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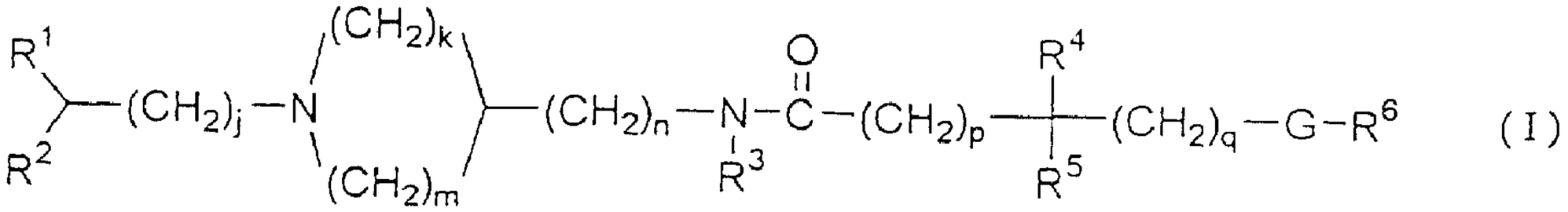
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(54) Titre : MOYENS DE TRAITEMENT ET DE PREVENTION CONTRE LES MALADIES ASSOCIEES A DES CHIMIOKINES

(54) Title: REMEDIES OR PREVENTIVES FOR DISEASES IN ASSOCIATION WITH CHEMOKINES



(I)

(57) Abrégé/Abstract:
Remedies or preventives for diseases in association with chemokines such as MIP-1α and/or MCP-1. Namely, remedies or preventives for diseases in association with chemokines (rheumatoid arthritis, nephritis, etc.) which contain as the active ingredient cyclic amine derivatives represented by general formula (I), pharmaceutically acceptable acid-adducts thereof, or pharmaceutically acceptable $C_{1-6}$ alkyl-adducts thereof.

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# ABSTRACT

This invention provides remedies or prophylactics for diseases in association with chemokines such as MIP-1 $\alpha$ and/or MCP-1. Namely, remedies or prophylactics for diseases in association with the chemokines such as rheumatoid arthritis or nephritis contain, as the active ingredient, cyclic amine derivatives represented by the following formula (I), pharmaceutically acceptable acid addition salts thereof or pharmaceutically acceptable $C_1$-$C_6$ alkyl addition salts thereof.

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# JUMBO APPLICATIONS / PATENTS

## THIS SECTION OF THE APPLICATION / PATENT CONTAINS MORE THAN ONE VOLUME.

## THIS IS VOLUME __1___ OF __2___

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# DESCRIPTION

# REMEDIES OR PROPHYLACTICS FOR DISEASES IN ASSOCIATION WITH CHEMOKINES

## Technical Field

The present invention relates to cyclic amine derivatives and more particularly it relates to chemokine receptor antagonists capable of expecting effects as remedies and/or prophylactics for diseases such as atherosclerosis, rheumatoid arthritis, psoriasis, asthma, ulcerative colitis, nephritis (nephropathy), multiple sclerosis, pulmonary fibrosis, cardiomyopathy, hepatitis, pancreatitis, sarcoidosis, Crohn's disease, endometriosis, congestive heart failure, viral meningitis, cerebral infarction, neuropathy, Kawasaki disease, sepsis, allergic rhinitis and allergic dermatitis wherein infiltration of blood leukocyte components such as monocytes or lymphocytes into tissues plays a principal role in progression and maintenance of diseases.

## Background Art

Chemokines are a generic name of a group of inflammatory/immunomodulatory polypeptides having a molecular weight of 6 to 15 KD and produced in inflammatory sites by various kinds of cells, for example, macrophages, monocytes, eosinophils, neutrophils, fibroblasts, vascular endothelial cells, smooth muscle cells and mast cells. The chemokines are classified into two major subgroups of CXC chemokines (or $\alpha$-chemokines) and CC chemokines (or $\beta$-chemokines) by the common location of four preserved cysteine residues and a difference in chromosomal locations of genes encoding the chemokines. The first two cysteines of the CXC chemokines are separated by one amino acid; however, the same cysteines of the CC chemokine are adjacent. For example, IL-8 (an abbreviation for interleukin-8) is the CXC chemokines. On the other hand, MIP-1 $\alpha$ / $\beta$ (an abbreviation for macrophage inflammatory protein-1 $\alpha$ / $\beta$ ), MCP-1 (an abbreviation for monocyte chemoattractant protein-1) and RANTES (an abbreviation for regulated upon activation, normal T-cell expressed and secreted) are cited as the CC chemokines.

Furthermore, there also exist chemokines which do not fall into either of

chemokine subgroups. Lymphotactin having only two cysteines and classified as C chemokines and fractalkine classified as CX3C chemokines because the first two cysteines are separated by three amino acids and having a chemokinelike domain in the mucin structure are cited as such a chemokine. The chemokines promote cell migration and have expression enhancing actions on cellular adhesion molecules such as integrins and further cellular adhesion enhancing actions. Therefore, the chemokines are thought to be protein factors closely involved in the adhesion and infiltration of leukocytes or the like into the pathogenic sites such as inflammatory tissues. See, for example, The Chemokine Facts Book, by Vaddi, K. et al., Academic Press, 1997; Chemoattractant Ligand and Their Receptors, edited by Horuk, R., CRC Press, 1996; Ward, G. W. et al., Biochem. J., 1998, 333, 457; Luster, A. D., New Engl. J. Med., 1998, 338, 436; Bagglioni, M., Nature, 1998, 392, 565; Rollins. B. J., Blood, 1997, 90, 909; Alam, R., J. Allergy Clin. Immunol., 1997, 99, 273; Hancock, W. W., Am. J. Pathol., 1996, 148, 681;Taub, D. D., Cytokine & Growth Factor Rev., 1996, 7, 335 ; Strieter, R. M. et al., J. Immunol., 1996, 156, 3583; Furie, M. B. et al., Am. J. Pathol., 1995, 146, 1287;Schall, T. J. et al., Current Opinion in Immunology, 1994, 6, 865, ; and Edginton, S. M., Biotechnology, 1993, 11, 676 as references.

For example, MIP-1 $\alpha$ causes a transient increase in intracellular calcium ion concentration levels and induces cell migration of T lymphocytes or B lymphocytes (see, for example, Tabu, D. D. et al., Science, 1993, 260, 355 and Shall, T. J. et al., J. Exp. Med., 1993, 177, 1821), cell migration of eosinophils (see, for example, Rot, A. et al., J. Exp. Med., 1992, 176, 1489), cell migration of NK cells (see, for example, Magazachi, A. A. et al., J. Immunol., 1994, 153, 4969), expression of integrins (see, for example, Vaddi, K. et al., J. Immunol., 1994 ,153, 4721) and differentiation of osteoclasts (see, for example, Kukita, T. et al., Lab. Invest., 1997, 76, 399). MIP-1 $\alpha$ also increases the IgE and IgG4 production in B cells (see, for example, Kimata, H. et al., J. Exp. Med., 1996, 183, 2397) and inhibits the proliferation of hematopoietic stem cells (see, for example, Mayani, H. et al., Exp. Hematol., 1995, 23, 422; Keller, J. R. et al., Blood, 1994, 84, 2175; Eaves, C. J. et al., Proc. Natl. Acad. Sci. USA, 1993, 90, 12015; Bodine, D. M. et al., Blood, 1991, 78, 914; and Broxmeyer , H. E. et al., Blood, 1990, 76, 1110).

As to the association of MIP-1 $\alpha$ with in vivo actions or pathogenesis of diseases, it has been reported that the MIP-1 $\alpha$ is a pyrogen in rabbits (see, for

example, Davatelis, G. et al., Science, 1989, 243, 1066) and the injection of the MIP-1α into the footpads of mice results in inflammatory reactions such as infiltration of neutrophils or mononuclear cells (see, for example, Alam, R. et al., J. Immunol., 1994, 152, 1298).

It has been also reported that a neutralizing antibody to MIP-1α has inhibitory effects or remedial effects in animal models of granuloma (see, for example, Lukacs, N. W. et al., J. Exp. Med., 1993, 177, 1551), asthma (see, for example, Lukacs, N. W. et al., Eur. J. Immunol., 1995, 25, 245 and Lukacs, N. W. et al., J. Immunol., 1997, 158, 4398), multiple sclerosis (see, for example, Karpus, W. J. et al., J. Immunol., 1995, 155, 5003 and Karpus, W. J. et al., J. Leukoc. Biol., 1997, 62, 681), idiopathic pulmonary fibrosis (see, for example, Smith, R. E. et al., J. Immunol., 1994, 153, 4704 and Smith, R. E., Biol. Signals, 1996, 5, 223), acute lung injury (see, for example, Shanley, T. P. et al., J. Immunol., 1995, 154, 4793 and Standiford, T. J. et al., J. Immunol., 1995, 155, 1515) and rheumatoid arthritis (see, for example, Kasama, T. et al., J. Clin. Invest., 1995, 95, 2868) and the like. Furthermore, it has been reported that coxsackie virus infection-induced myocarditis or herpes stromal keratitis is inhibited in MIP-1α gene deficient mice (see, for example, Cook, D. N. et al., Science, 1995, 269, 1583 and Tumpey, T. M. et al., J. Virology, 1998, 72, 3705).

In addition, significant expression of MIP-1α was recognized in patients such as chronic pulmonary inflammatory diseases (see, for example, Standiford, T. J. et al., J. Immunol., 1993, 151, 2852), hypersensitivity pneumonitis (see, for example, Denis, M., Am. J. Respir. Crit. Care Med., 1995, 151, 164), rheumatoid arthritis (see, for example, Koch, A. E. et al., J. Clin. Invest., 1994, 93, 921), infectious meningitis (see, for example, Lahrtz, F. et al., J. Neuroimmunol., 1998, 85, 33) and chronic inflammation of muscle (see, for example, Adams, E. M. et al., Proc. Assoc. Am. Physicians, 1997, 109, 275). The studies indicate that MIP-1α is deeply involved in the local accumulation of various subtypes of leukocytes in association with initiation, progression and maintenance of inflammatory diseases.

MCP-1 [also known as MCAF (an abbreviation for macrophage chemotactic and activating factor) or JE] is a CC chemokine produced by monocytes/macrophages, smooth muscle cells, fibroblasts and vascular endothelial cells and has a cell migration activity and cell adhesion enhancing actions on monocytes (see, for example, Valente, A. J. et al., Biochemistry, 1988,

27, 4162; Matsushima, K. et al., J. Exp. Med., 1989, 169, 1485; Yoshimura, T. et al., J. Immunol., 1989, 142, 1956; Rollins, B. J. et al., Proc. Natl. Acad. Sci. USA, 1988, 85, 3738; Rollins, B. J. et al., Blood, 1991, 78, 1112; Jiang, Y. et al., J. Immunol., 1992, 148, 2423; and Vaddi, K. et al., J. Immunol., 1994, 153, 4721), memory T lymphocytes (see, for example, Carr., M. W. et al., Proc. Natl. Acad. Sci. USA, 1994, 91, 3652), T lymphocytes (see, for example, Loetscher, P. et al., FASEB J., 1994, 8, 1055) and natural killer cells (NK cells) (see, for example, Loetscher, P. et al., J. Immunol., 1996, 156, 322 and Allavena, P. et al., Eur. J. Immunol., 1994, 24, 3233) or the like and MCP-1 further has actions as a histamine releasing factor from basophils (see, for example, Alam R. et al., J. Clin. Invest., 1992, 89, 723; Bischoff, S. C. et al., J. Exp. Med., 1992, 175, 1271; and Kuna, P. et al., J. Exp. Med., 1992, 175, 489).

Moreover, remarkable expression of MCP-1 has been reported in diseases in which the accumulation of monocytes/macrophages and/or T cells is thought to be deeply involved in initiation, progression and maintenance of lesions such as atherosclerosis (see, for example, Hayes, I. M. et al., Arterioscler. Thromb, Vasc. Biol., 1998, 18, 397; Takeya, M. et al., Hum. Pathol., 1993, 24, 534; Yla-Herttuala, S. et al., Proc. Natl. Acad. Sci. USA, 1991, 88, 5252; and Nelken, N. A., J. Clin. Invest., 1991, 88, 1121), rheumatoid arthritis (see, for example, Koch, A. E. et al., J. Clin. Invest., 1992, 90, 772; Akahoshi, T. et al., Arthritis Rheum., 1993. 36, 762; and Robinson, E. et al., Clin. Exp. Immunol., 101, 398), nephritis (see, for example, Noris, M. et al., Lab. Invest., 1995, 73, 804; Wada, T. et al., Kidney Int., 1996, 49, 761; and Gesualdo, L. et al., Kidney Int., 1997, 51, 155), nephropathy (see, for example, Saitoh, A. et al., J. Clin. Lab. Anal., 1998, 12, 1; Yokoyama, H. et al., J. Leukoc. Biol., 1998, 63, 493), pulmonary fibrosis and pulmonary sarcoidosis (see, for example, Sugiyama, Y. et al., Internal Medicine, 1997, 36, 856), asthma (see, for example, Karina, M. et al., J. Invest. Allergol. Clin. Immunol., 1997, 7, 254; Stephene, T. H., Am. J. Respir. Crit. Care Med., 1997, 156, 1377; and Sousa, A. R. et al., Am. J. Respir. Cell Mol. Biol., 1994, 10, 142), multiple sclerosis (see, for example, McManus, C. et al., J. Neuroimmunol., 1998, 86, 20), psoriasis (see, for example, Gillitzer, R. et al., J. Invest. Dermatol., 1993. 101, 127), inflammatory bowel disease (see, for example, Grimm, M. C. et al., J. Leukoc. Biol., 1996, 59, 804 and Reinecker, H. C. et al., Gastroenterology, 1995, 106, 40), cardiomyopathy (see, for example, Seino, Y. et al., Cytokine, 1995, 7, 301), endometriosis (see, for example, Jolicoeur, C. et al.,

Am. J. Pathol., 1998, 152, 125), intraperitoneal adhesion (see, for example, Zeyneloglu, H. B. et al., Human Reproduction, 1998, 13, 1194), congestive heart failure (see, for example, Aurust, P. et al., Circulation, 1998, 97, 1136), chronic liver disease (see, for example, Marra, F. et al., Am. J. Pathol., 1998, 152, 423), viral meningitis (see, for example, Lahrtz, F. et al., Eur. J. Immunol., 1997, 27, 2484), Kawasaki disease (see, for example, Wong, M. et al., J. Rheumatol., 1997, 24, 1179) and sepsis (see, for example, Salkowski, C. A. et al., Infect. Immun., 1998, 66, 3569).

The inhibitory effects or remedial effects of an anti-MCP-1 antibody have been reported in animal models such as rheumatoid arthritis (see, for example, Schimmer, R. C. et al., J. Immunol., 1998, 160, 1466; Schrier, D. J., J. Leukoc. Biol., 1998, 63, 359; and Ogata H. et al., J. Pathol., 1997, 182, 106), multiple sclerosis (see, for example, Karpus, W. J., J. Leukoc. Biol., 1997, 62., 681), nephritis (see, for example, Lloyd, C. M. et al., J. Exp. Med., 1997, 185, 1371 and Wada T. et al., FASEB J., 1996, 10, 1418), asthma (see, for example, Gonzalo, J.-A. et al., J. Exp. Med., 1998, 188, 157 and Lukacs, N. W., J. Immunol., 1997, 158, 4398), atherosclerosis (see, for example, Guzman, L. A. et al., Circulation, 1993, 88 (suppl.), I-371), delayed type hypersensitivity (see, for example, Rand, M. L. et al., Am. J. Pathol., 1996, 148, 855), pulmonary hypertension (see, for example, Kimura, H. et al., Lab. Invest., 1998, 78, 571) and intraperitoneal adhesion (see, for example, Zeyneloglu, H. B. et al., Am. J. Obstet. Gynecol., 1998, 179, 438) .

Further, it has been reported that MCP-1 (9-76) which is a peptide antagonist of MCP-1 inhibits arthritis in the mouse model (see, for example, Gong, J.-H. , J. Exp. Med., 1997, 186, 131) and that MCP-1 is essential to monocyte mobilization in vivo in studies on MCP-1 gene deficient mice (see, for example, Lu, B. et al., J. Exp. Med., 1998, 187, 601 and Gu, L. et al., Moll. Cell, 1998, 2, 275).

These data indicate that chemokines such as MIP-1$\alpha$ and MCP-1 accumulate monocytes, lymphocytes or the like in disease sites and activate the cells and thus strongly suggest that the chemokines are deeply associated with initiation, progression and maintenance of diseases wherein monocytes, lymphocytes and the like are assumed to be deeply associated with the progression of lesion, for example, atherosclerosis, rheumatoid arthritis, psoriasis, asthma, ulcerative colitis, nephritis (nephropathy), multiple sclerosis,

pulmonary fibrosis, myocarditis, hepatitis, pancreatitis, sarcoidosis, Crohn's disease, endometriosis, congestive heart failure, viral meningitis, cerebral infarction, neuropathy, Kawasaki disease and sepsis (see, for example, Rovin, B. H. et al., Am. J. Kidney. Dis., 1998, 31, 1065; Lloyd, C. et al., Curr. Opin. Nephrol. Hypertens., 1998, 7, 281; Conti, P. et al., Allergy and Asthma Proc., 1998, 19, 121; Ransohoff, R. M. et al., Trends Neuroscience., 1998, 21, 154; and MacDermott, R. P. et al., Inflammatory Bowel Diseases, 1998, 4, 54). A drug which inhibits actions of chemokines on target cells, therefore, can be expected to be useful as remedies and/or prophylactics for the diseases.

On the other hand, the cloning of genes encoding specific receptors for chemokines has been promoted, and it has become apparent that the receptors are G protein-coupled seven-transmembrane receptors present on various leukocytes. At least 5 CXC chemokine receptors (CXCR1 to CXCR5) and eight CC chemokine receptors (CCR1 to CCR8) have hitherto been specified. For example, IL-8 is a ligand of CXCR1 and CXCR2. MIP-1$\alpha$ is a ligand of CCR1 and CCR5, and MCP-1 is a ligand of CCR2A and CCR2B (see, for example, Holmes, W. E. et al., Science, 1991, 253, 1278-1280; Murphy, P. M. et al., Science, 253, 1280-1283; Neote, K. et al., Cell, 1993, 72, 415-425; Charo, I. F. et al., Proc. Natl. Acad. Sci., USA, 1994, 91, 2752-2756; Yamagami, S. et al., Biochem. Biophys. Res. Commun., 1994, 202, 1156-1162; Combadier, C. et al., The Journal of Biological Chemistry, 1995, 270, 16491-16494; Power, C. A. et al., J. Biol. Chem., 1995, 270, 19495-19500; Samson, M. et al., Biohemistry, 1996, 35, 3362-3367; and Murphy, P. M. et al., Annual Review of Immunology, 1994, 12, 592-633).

Further, it has been reported that the pulmonary inflammation and granuloma are suppressed in CCR1 gene deficient mice (see, for example, Gao, J.-L. et al., J. Exp. Med., 1997, 185, 1959 and Gerard, C. et al., J. Clin. Invest., 1997, 100, 2022) and that accumulation of macrophages and formation of atherosclerotic lesions are decreased in CCR2 gene deficient mice (see, for example, Boring, L. et al., Nature, 1998, 394, 894; Kuziel, W. A. et al., Proc. Natl. Acad. Sci. USA, 1997, 94, 12053; Kurihara, T. et al., J. Exp. Med., 1997, 186, 1757; and Boring, L. et al., J. Clin. Invest., 1997, 100, 2552). Therefore, compounds capable of inhibiting binding of chemokines such as MIP-1$\alpha$ and/or MCP-1 to the receptors, i.e. chemokine receptor antagonists can be expected to be useful as a drug which inhibits the actions of the chemokines such as MIP-1

α and/or MCP-1 on target cells; however, the drug having the actions is not known.

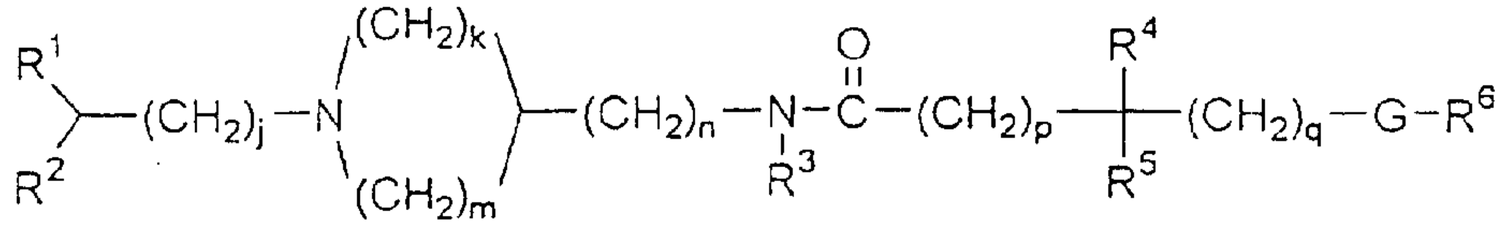
Cyclic amine derivatives such as various kinds of piperidines or piperazines have recently been reported to have chemokine receptor antagonistic activity (see, for example, WO9724325; Hesselgesser, J. et al., J. Biol. Chem., 1998, 273, 15687; Howard, O. M. Z. et al., J. Med. Chem., 1998, 41, 2184; WO9744329; WO9802151; WO9804554; WO9825605; WO9825617; WO9825604; WO9831364; WO9856771; WO9909984; WO9904794; WO9917773; WO9937617; WO9937619; WO9737651; WO9938514; WO200014086; WO200014089; EP903349; JP9-249566; JP9-25572; and JP11-711350). The compounds, however, are different from the compounds used in the present invention.

Disclosure of the Invention

It is an object of the present invention to provide therapies for diseases wherein the binding of chemokines such as MIP-1α and/or MCP-1 to receptors on target cells is one of the pathogenesis by using a small-molecular compound having an inhibitory activity against the binding of the chemokines such as MIP-1α and/or MCP-1 to the receptors on the target cells.

As a result of intensive studies, the present inventors have found that cyclic amine derivatives having an arylalkyl group, pharmaceutically acceptable $C_1$-$C_6$ alkyl-addition salts thereof or pharmaceutically acceptable acid-addition salts thereof have an inhibitory activity against the binding of chemokines such as MIP-1α and/or MCP-1 to the target cells and that the compounds can be useful as remedies or prophylactics for diseases considered to be associated with the chemokines such as MIP-1α and/or MCP-1. The present invention has been accomplished on the basis of the findings.

That is, the present invention is remedies or prophylactics for diseases in association with chemokines or chemokine receptors comprising compounds represented by the following formula (I), pharmaceutically acceptable acid addition salts thereof or pharmaceutically acceptable $C_1$-$C_6$ alkyl addition salts thereof as an active ingredient,



(I)

wherein $R^1$ is a phenyl group, a $C_3$-$C_8$ cycloalkyl group or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms; the phenyl group or the aromatic heterocyclic group in the $R^1$ may be condensed with a benzene ring or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms to form a condensed ring; the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$ may be substituted with an optional number of halogen atoms, hydroxy groups, cyano groups, nitro groups, carboxy groups, carbamoyl groups, $C_1$-$C_6$ alkyl groups, $C_3$-$C_8$ cycloalkyl groups, $C_2$-$C_6$ alkenyl groups, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$ alkylthio groups, $C_3$-$C_5$ alkylene groups, $C_2$-$C_4$ alkylenoxy groups, $C_1$-$C_3$ alkylenedioxy groups, phenyl groups, phenoxy groups, phenylthio groups, benzyl groups, benzyloxy groups, benzoylamino groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_4$-$C_9$ N-cycloalkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, $C_3$-$C_8$ (alkoxycarbonyl)methyl groups, N-phenylcarbamoyl groups, piperidinocarbonyl groups, morpholinocarbonyl groups, 1-pyrrolidinylcarbonyl groups, bivalent groups represented by the formula; -NH(C=O)O-, bivalent groups represented by the formula: -NH(C=S)O-, amino groups, mono($C_1$-$C_6$ alkyl)amino groups or di($C_1$-$C_6$ alkyl)amino groups; the substitutent groups of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring may further be substituted with an optional number of halogen atoms, hydroxy groups, amino groups, trifluoromethyl groups, $C_1$-$C_6$ alkyl groups or $C_1$-$C_6$ alkoxy groups;

$R^2$ is a hydrogen atom, a $C_1$-$C_6$ alkyl group, a $C_2$-$C_7$ alkoxycarbonyl group, hydroxy group or a phenyl group; the $C_1$-$C_6$ alkyl group or the phenyl group in the $R^2$ may be substituted with an optional number of halogen atoms, hydoxy groups, $C_1$-$C_6$ alkyl groups or $C_1$-$C_6$ alkoxy groups, with the proviso that $R^2$ is not hydroxy group when j is 0;

j is an integer of 0 to 2;

k is an integer of 0 to 2;

m is an integer of 2 to 4;

n is 0 or 1;

$R^3$ is a hydrogen atom or a $C_1$-$C_6$ alkyl group which may be substituted with (one or two phenyl groups which may respectively be substituted with an optional number of the same or different halogen atoms, hydroxy groups, $C_1$-$C_6$ alkyl groups or $C_1$-$C_6$ alkoxy groups);

$R^4$ and $R^5$ are the same or different and are each a hydrogen atom, a hydroxy group, a phenyl group or a $C_1$-$C_6$ alkyl group; the $C_1$-$C_6$ alkyl group in the $R^4$ and $R^5$ may be substituted with an optional number of halogen atoms, hydroxy groups, cyano groups, nitro groups, carboxy groups, carbamoyl groups, mercapto groups, guanidino groups, $C_3$-$C_8$ cycloalkyl groups, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$ alkylthio groups, (phenyl groups which may be substituted with an optional number of halogen atoms, hydroxy groups, $C_1$-$C_6$ alkyl groups, $C_1$-$C_6$ alkoxy groups or benzyloxy groups), phenoxy groups, benzyloxy groups, benzyloxycarbonyl groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, amino groups, mono($C_1$-$C_6$ alkyl)amino groups, di($C_1$-$C_6$ alkyl)amino groups or (aromatic heterocyclic groups having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms or condensed rings formed by condensation of the aromatic heterocyclic groups having the 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as the heteroatoms with benzene rings) or both $R^4$ and $R^5$ together may form a 3- to a 6-membered cyclic hydrocarbon;

p is 0 or 1;

q is 0 or 1;

G is a group represented by –CO-, -$SO_2$-, -CO-O-, -$NR^7$-CO-, -CO-$NR^7$-, -NH-CO-NH-, -NH-CS-NH-, -$NR^7$-$SO_2$-, -$SO_2$-$NR^7$-, -NH-CO-O- or –O-CO–NH-,

wherein $R^7$ is a hydrogen atom or a $C_1$-$C_6$ alkyl group or $R^7$, together with $R^5$, may form a $C_2$-$C_5$ alkylene group;

$R^6$ is a phenyl group, a $C_3$-$C_8$ cycloalkyl group, a $C_3$-$C_6$ cycloalkenyl group, a benzyl group or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms; the phenyl group, the benzyl group or the aromatic heterocyclic group in the $R^6$ may be condensed

with a benzene ring or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms to form a condensed ring; the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the $C_3$-$C_6$ cycloalkenyl group, the benzyl group, the aromatic heterocyclic group or the condensed ring in the above $R^6$ may further be substituted with an optional number of halogen atoms, hydoxy groups, mercapto groups, cyano groups, nitro groups, thiocyanato groups, carboxy groups, carbamoyl groups, trifluoromethyl groups, $C_1$-$C_6$ alkyl groups, $C_3$-$C_8$ cycloalkyl groups, $C_2$-$C_6$ alkenyl groups, $C_1$-$C_6$ alkoxyl groups, $C_3$-$C_8$ cycloalkyloxy groups, $C_1$-$C_6$ alkylthio groups, $C_1$-$C_3$ alkylenedioxy groups, phenyl groups, phenoxy groups, phenylamino groups, benzyl groups, benzoyl groups, phenylsulfinyl groups, phenylsulfonyl groups, 3-phenylureido groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, phenylcarbamoyl groups, N,N-di($C_1$-$C_6$ alkyl)sulfamoyl groups, amino groups, mono($C_1$-$C_6$ alkyl)amino groups, di($C_1$-$C_6$ alkyl)amino groups, benzylamino groups, $C_2$-$C_7$ (alkoxycarbonyl)amino groups, $C_1$-$C_6$ (alkylsulfonyl)amino groups or bis($C_1$-$C_6$ alkylsulfonyl)amino groups; the substitutent groups of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the $C_3$-$C_8$ cycloalkenyl group, the benzyl group, the aromatic heterocyclic group or the condensed ring may further be substituted with an optional number of halogen atoms, cyano groups, hydroxy groups, amino groups, trifluoromethyl groups, $C_1$-$C_6$ alkyl groups, $C_1$-$C_6$ alkoxyl groups, $C_1$-$C_6$ alkylthio groups, mono($C_1$-$C_6$ alkyl)amino groups or di($C_1$-$C_6$ alkyl)amino groups.

The compounds represented by the above formula (I) have an inhibitory activity against the binding of chemokines such as MIP-1$\alpha$ and/or MCP-1 to target cells and an inhibitory activity against physiological actions of the chemokines such as MIP-1$\alpha$ and/or MCP-1 on the target cells.

Brief Description of Drawings

Fig. 1 is a drawing illustrating effects of Compd. No. 1583 on arthritis when the compound is orally administered for 12 weeks.

Fig. 2 is a drawing illustrating effects of the Compd. No. 1583 on synovial hyperplasia.

Fig. 3 is a drawing illustrating effects of the Compd. No. 1583 on the

chondrolysis of articular cartilages.

Fig. 4 is a drawing illustrating effects of the Compd. No. 1583 on the osteolysis of subchondral bone.

Fig. 5 is a drawing illustrating effects of Compd. No. 1245 on hindlimb footpads swelling when the compound is orally administered for 3 weeks.

Fig. 6 is a drawing illustrating suppressive effects of the Compd. No. 1583 on proteinuria.

Fig. 7 is a drawing illustrating suppressive effects of the Compd. No. 1245 on proteinuria.

Fig. 8 is a drawing illustrating effects of the Compd. No. 1583 in animal models of chronic relapsing experimental allergic encephalomyelitis.

Fig. 9 is a drawing illustrating effects of the Compd. No. 1245 in animal models of chronic relapsing experimental allergic encephalomyelitis.

## Best Mode for Carrying Out the Invention

In the above formula (I), $R^1$ is a phenyl group, a $C_3$-$C_8$ cycloalkyl group or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms; the phenyl group or the aromatic heterocyclic group in the above $R^1$ may be condensed with a benzene ring or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms to form a condensed ring; the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$ may further be substituted with an optional number of halogen atoms, hydroxy groups, cyano groups, nitro groups, carboxy groups, carbamoyl groups, $C_1$-$C_6$ alkyl groups, $C_3$-$C_8$ cycloalkyl groups, $C_2$-$C_6$ alkenyl groups, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$ alkylthio groups, $C_3$-$C_5$ alkylene groups, $C_2$-$C_4$ alkylenoxy groups, $C_1$-$C_3$ alkylenedioxy groups, phenyl groups, phenoxy groups, phenylthio groups, benzyl groups, benzyloxy groups, benzoylamino groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_4$-$C_9$ N-cycloalkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, $C_3$-$C_8$ (alkoxycarbonyl)methyl groups, N-phenylcarbamoyl groups, piperidinocarbonyl groups, morpholinocarbonyl groups, 1-pyrrolidinyl carbonyl groups, bivalent groups represented by the formula -NH(C=O)O-, bivalent groups represented

by the formula -NH(C=S)O-, amino groups, mono($C_1$-$C_6$ alkyl)amino groups or di($C_1$-$C_6$ alkyl)amino groups.

The "$C_3$-$C_8$ cycloalkyl group" in $R^1$ means a cyclic alkyl group, and includes for example cyclopropyl group, cyclobutyl group, cyclopentyl group, cyclohexyl group, cycloheptyl group, cyclooctyl group and the like. The "$C_3$-$C_8$ cycloalkyl group" is preferably cyclopropyl group, cyclopentyl group, cyclohexyl group or the like.

The "aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms" in $R^1$ means an aromatic heterocyclic group, and includes for example thienyl group, furyl group, pyrrolyl group, imidazolyl group, pyrazolyl group, oxazolyl group, isoxazolyl group, thiazolyl group, isothiazolyl group, pyridyl group, pyrimidinyl group, triazinyl group, triazolyl group, oxadiazolyl (furazanyl) group, thiadiazolyl group and the like. The "aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms" is preferably thienyl group, furyl group, pyrrolyl group, isoxazolyl group, pyridyl group or the like.

The "condensed ring" in $R^1$ means a bicyclic aromatic heterocyclic group formed by condensing the phenyl group or the aromatic heterocyclic group with a benzene ring or the aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms in an optional position, and includes for example naphthyl group, indolyl group, benzofuranyl group, benzothienyl group, quinolyl group, benzimidazolyl group, benzoxazolyl group, benzotriazolyl group, benzoxadiazolyl (benzofurazanyl) group, benzothiadiazolyl group and the like.

Among them, it is especially preferable for $R^1$ to be a phenyl group, an isoxazolyl group or an indolyl group.

The "halogen atoms" as the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring mean a fluorine atom, a chlorine atom, a bromine atom, an iodine atom and the like, and fluorine atom, chlorine atom or bromine atom is specifically preferable.

The "$C_1$-$C_6$ alkyl groups" as the substituents of $R^1$ mean $C_1$-$C_6$ straight or branched alkyl groups, and include for example, methyl group, ethyl group, n-propyl group, n-butyl group, n-pentyl group, n-hexyl group, n-heptyl group, n-octyl group, isopropyl group, isobuty group, sec-butyl group, tert-butyl group,

isopentyl group, neopentyl group, tert-pentyl group, isohexyl group, 2-methylpentyl group, 1-ethylbutyl group and the like. The "$C_1$-$C_6$ alkyl groups" are specifically preferably methyl group, ethyl group, propyl group, isopropyl group or the like.

The "$C_3$-$C_8$ cycloalkyl groups" as the substituents of $R^1$ are the same as defined in the "$C_3$-$C_8$ cycloalkyl group" in the above $R^1$, and specifically preferably include for example the same groups.

The "$C_2$-$C_6$ alkenyl groups" as the substituents of $R^1$ mean $C_2$-$C_6$ straight or branched alkenyl groups, and include for example vinyl group, allyl group, 1-propenyl group, 2-butenyl group, 3-butenyl group, 2-methyl-1-propenyl group, 4-pentenyl group, 5-hexenyl group, 4-methyl-3-pentenyl group and the like. The "$C_2$-$C_6$ alkenyl groups" are specifically preferably vinyl group and 2-methyl-1-propenyl group or the like.

The "$C_1$-$C_6$ alkoxy groups" as the substituents of $R^1$ mean groups composed of the above $C_1$-$C_6$ alkyl groups and oxy group, and methoxy group, ethoxy group or the like is specifically preferable.

The "$C_1$-$C_6$ alkylthio groups" as the substituents of $R^1$ mean groups composed of the above $C_1$-$C_6$ alkyl groups and thio group, and methylthio group, ethylthio group or the like is specifically preferable.

The "$C_3$-$C_5$ alkylene groups" as the substituents of $R^1$ mean $C_3$-$C_5$ bivalent alkylene groups, and include for example, trimethylene group, tetramethylene group, pentamethylene group, 1-methyltrimethylene group and the like. The "$C_3$-$C_5$ alkylene groups" are specifically preferably trimethylene group, tetramethylene group or the like.

The "$C_2$-$C_4$ alkylenoxy groups" as the substituents of $R^1$ mean groups composed of $C_2$-$C_4$ bivalent alkylene groups and oxy group and include, for example, ethylenoxy group (-$CH_2CH_2O$-), trimethylenoxy group (-$CH_2CH_2CH_2O$-), tetramethylenoxy group (-$CH_2CH_2CH_2CH_2O$-), 1,1-dimethylethylenoxy group (-$CH_2C(CH_3)_2O$-) and the like. The "$C_2$-$C_4$ alkylenoxy groups" are specifically preferably ethyleneoxy group, trimethylenoxy group or the like.

The "$C_1$-$C_3$ alkylenedioxy groups" as the substituents of $R^1$ mean groups composed of $C_1$-$C_3$ bivalent alkylene groups and two oxy groups and include, for example, methylenedioxy group (-$OCH_2O$-), ethylenedioxy group (-

$OCH_2CH_2O$-), trimethylenedioxy (-$OCH_2CH_2CH_2O$-) group and propylenedioxy (-$OCH_2CH(CH_3)O$-) group and the like. The "$C_1$-$C_3$ alkylenedioxy groups" are specifically preferably methylenedioxy group, ethylenedioxy group or the like.

The "$C_2$-$C_7$ alkanoyl groups" as the substituents of $R^1$ mean $C_2$-$C_7$ straight or branched alkanoyl groups, and include for example, acetyl group, propanoyl group, butanoyl group, pentanoyl group, hexanoyl group, heptanoyl group, isobutyryl group, 3-methylbutanoyl group, 2-methylbutanoyl group, pivaloyl group, 4-methylpentanoyl group, 3,3-dimethylbutanoyl group, 5-methylhexanoyl group and the like, and acetyl group or the like is specifically preferable.

The "$C_2$-$C_7$ alkoxycarbonyl groups" as the substituents of $R^1$ mean groups composed of the above $C_1$-$C_6$ alkoxy groups and carbonyl group, and methoxycarbonyl group, ethoxycarbonyl group or the like is specifically preferable.

The "$C_2$-$C_7$ alkanoyloxy groups" as the substituents of $R^1$ mean groups composed of the above $C_2$-$C_7$ alkanoyl groups and oxy group, and acetyloxy group or the like is specifically preferable.

The "$C_2$-$C_7$ alkanoylamino groups" as the substituents of $R^1$ mean groups composed of the above $C_2$-$C_7$ alkanoyl groups and amino group, and acetylamino group or the like is specifically preferable.

The "$C_2$-$C_7$ alkylcarbamoyl groups" as the substituents of $R^1$ mean groups composed of the above $C_1$-$C_6$ alkyl groups and carbamoyl group, and N-methylcarbamoyl group, N-ethylcarbamoyl group or the like is specifically preferable.

The "$C_4$-$C_9$ N-cycloalkylcarbamoyl groups" as the substituents of $R^1$ mean the above $C_3$-$C_8$ cycloalkyl groups and carbamoyl group, and N-cyclopentylcarbamoyl group, N-cyclohexylcarbamoyl group or the like is preferable.

The "$C_1$-$C_6$ alkylsulfonyl groups" as the substituents of $R^1$ mean groups composed of the above $C_1$-$C_6$ alkyl groups and sulfonyl group, and methylsulfonyl group or the like is specifically preferable.

The "$C_3$-$C_8$ (alkoxycarbonyl)methyl groups" as the substituents of $R^1$ mean groups composed of the above $C_2$-$C_7$ alkoxycarbonyl groups and methyl group, and (methoxycarbonyl)methyl group, (ethoxycarbonyl)methyl group or

the like is specifically preferable.

The "mono($C_1$-$C_6$ alkyl)amino groups" as the substituents of $R^1$ mean amino groups substituted with the above $C_1$-$C_6$ alkyl groups, and methylamino group, ethylamino group or the like is specifically preferable.

The "di($C_1$-$C_6$ alkyl)amino groups" as the substituents of $R^1$ mean amino groups substituted with the same or different two $C_1$-$C_6$ alkyl groups described above, and dimethylamino group, diethylamino group, N-ethyl-N-methylamino group or the like is specifically preferable.

Among those described above, examples of the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in $R^1$ are specifically preferably halogen atoms, hydroxy groups, $C_1$-$C_6$ alkyl groups, $C_2$-$C_6$ alkenyl groups, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$ alkylthio groups, $C_2$-$C_4$ alkylenoxy groups, methylenedioxy groups, N-phenylcarbamoyl groups, amino groups, mono($C_1$-$C_6$ alkyl)amino groups and di($C_1$-$C_6$ alkyl)amino groups.

Moreover, the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in $R^1$ may further be substituted with an optional number of halogen atoms, hydroxy groups, amino groups, trifluoromethyl groups, $C_1$-$C_6$ alkyl groups or $C_1$-$C_6$ alkoxy groups. The halogen atoms, $C_1$-$C_6$ alkyl groups and $C_1$-$C_6$ alkoxy groups are the same as defined for the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in $R^1$, and the same groups are specifically preferable.

In the above formula (I), $R^2$ is a hydrogen atom, a $C_1$-$C_6$ alkyl group, a $C_2$-$C_7$ alkoxycarbonyl group, a hydroxy group or a phenyl group; and the $C_1$-$C_6$ alkyl group or phenyl group in $R^2$ may be substituted with an optional number of halogen atoms, hydroxy groups, $C_1$-$C_6$ alkyl groups or $C_1$-$C_6$ alkoxy groups, with the proviso that $R^2$ is not a hydroxy group when j is 0.

The $C_1$-$C_6$ alkyl group and $C_2$-$C_7$ alkoxycarbonyl group in $R^2$ are each the same as defined for the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in $R^1$, and the same examples are specifically preferable.

The halogen atoms, $C_1$-$C_6$ alkyl groups and $C_1$-$C_6$ alkoxy groups as the substituents of the $C_1$-$C_6$ alkyl group or the phenyl group in $R^2$ are the same

as defined for the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$, and the same examples are specifically preferable.

Among them, it is especially preferable for $R^2$ to be a hydrogen atom.

In the above formula (I), j is an integer of 0 to 2, and it is especially preferable for j to be 0.

In the above formula (I), k is an integer of 0 to 2; m is an integer of 2 to 4. Among them, it is especially preferable for the compounds to be 2-substituted pyrrolidines wherein k is 0 and m is 3; 3-substituted pyrrolidines when k is 1 and m is 2; 3-substituted piperidines wherein k is 1 and m is 3; 4-substituted piperidines wherein k is 2 and m is 2; or 3-substituted hexahydroazepines wherein k is 1 and m is 4.

In the above formula (I), n is 0 or 1.

In particular, 3-amidopyrrolidines wherein k is 1; m is 2 and n is 0 and 4-(amidomethyl)piperidines wherein k is 2; m is 2 and n is 1 are especially preferable.

In the above formula (I), $R^3$ is a hydrogen atom or a $C_1$-$C_6$ alkyl group which may be substituted with (one or two phenyl groups which may respectively be substituted with an optional number of the same or different halogen atoms, hydroxy groups, $C_1$-$C_6$ alkyl groups or $C_1$-$C_6$ alkoxy groups).

The $C_1$-$C_6$ alkyl group in $R^3$ is the same as defined for the substituent group of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$, and methyl group, ethyl group or propyl group is specifically preferable.

The halogen atoms, $C_1$-$C_6$ alkyl groups and $C_1$-$C_6$ alkoxy groups as the substituents of the phenyl groups as the substituents of the $C_1$-$C_6$ alkyl group in $R^3$ are each the same as defined for substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$, and the same examples are specifically preferable.

Among them, it is especially preferable for $R^3$ to be a hydrogen atom.

In the above formula (I), $R^4$ and $R^5$ are each the same or different and are each a hydrogen atom, a hydroxy group, a phenyl group or a $C_1$-$C_6$ alkyl group; and the $C_1$-$C_6$ alkyl group in $R^4$ and $R^5$ may be substituted with an optional number of halogen atoms, hydroxy groups, cyano groups, nitro groups,

carboxy groups, carbamoyl groups, mercapto groups, guanidino groups, $C_3$-$C_8$ cycloalkyl groups, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$ alkylthio groups, (phenyl groups which may be substituted with an optional number of halogen atoms, hydroxy groups, $C_1$-$C_6$ alkyl groups, $C_1$-$C_6$ alkoxy groups or benzyloxy groups), phenoxy groups, benzyloxy groups, benzyloxycarbonyl groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, amino groups, mono($C_1$-$C_6$ alkyl)amino groups, di($C_1$-$C_6$ alkyl)amino groups or (aromatic heterocyclic groups having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms or condensed rings formed by condensation thereof with benzene rings) or both $R^4$ and $R^5$ together may form a 3- to a 6-membered cyclic hydrocarbon.

The $C_1$-$C_6$ alkyl group in $R^4$ and $R^5$ is the same as defined for the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$, and the same examples are specifically preferable.

The halogen atoms, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$ alkylthio groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, mono($C_1$-$C_6$ alkyl)amino groups and di($C_1$-$C_6$ alkyl)amino groups as the substituents of the $C_1$-$C_6$ alkyl group in $R^4$ and $R^5$ are the same as defined for the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$, and the same examples are specifically preferable.

The $C_3$-$C_8$ cycloalkyl groups and the aromatic heterocyclic groups having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms as the substituents of the $C_1$-$C_6$ alkyl group in $R^4$ and $R^5$ are the same as defined for the above $R^1$, and the same examples are preferable.

The halogen atoms, $C_1$-$C_6$ alkyl groups and $C_1$-$C_6$ alkoxy groups as the substituents of the phenyl groups as the substituents of the $C_1$-$C_6$ alkyl group in $R^4$ and $R^5$ are the same as defined for the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$, and the same examples are specifically preferable.

The "3- to 6-membered cyclic hydrocarbon" composed of $R^4$, $R^5$ and the

adjacent carbon atoms are specifically preferably cyclopropane, cyclobutane, cyclopentane, cyclohexane or the like.

Among them, the hydrogen atom and $C_1$-$C_6$ alkyl group are especially preferable for $R^4$ and $R^5$.

In the above formula (I), p is 0 or 1; and q is 0 or 1. Both p and q are especially preferably 0.

In the above formula (I), G is a group represented by –CO-, -$SO_2$-, -CO-O-, -$NR^7$-CO-, -CO-$NR^7$-, -NH-CO-NH-, -NH-CS-NH-, -$NR^7$-$SO_2$-, -$SO_2$-$NR^7$-, -NH-CO-O- or –O-CO–NH-,

wherein $R^7$ is a hydrogen atom or a $C_1$-$C_6$ alky group or $R^7$, together with $R^5$, may form a $C_2$-$C_5$ alkylene group,

wherein, –CO- is a carbonyl group, -$SO_2$- is a sulfonyl group and -CS- is a thiocarbonyl group. G is especially preferably the group represented by -$NR^7$-CO- or -NH-CO-NH-.

The $C_1$-$C_6$ alkyl group in $R^7$ is the same as defined for the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$, and the same examples are specifically preferable.

The "$C_2$-$C_5$ alkylene group" composed of $R^5$ and $R^7$ means a $C_2$-$C_5$ straight or branched alkylene group, for example, methylene group, ethylene group, propylene group, trimethylene group, tetramethylene group, 1-methyltrimethylene group, pentamethylene group and the like, and ethylene group, trimethylene group, tetramethylene group or the like is specifically preferable.

Among them, it is especially preferable for $R^7$ to be a hydrogen atom.

In the above formula (I), $R^6$ is a phenyl group, a $C_3$-$C_8$ cycloalkyl group, a $C_3$-$C_6$ cycloalkenyl group, a benzyl group or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms; and the phenyl group, the benzyl group or the aromatic heterocyclic group in the above $R^6$ may be condensed with a benzene ring or the aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms to form a condensed ring; and the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the $C_3$-$C_6$ cycloalkenyl group, the benzyl group, the aromatic heterocyclic group or the condensed ring in the above $R^6$ may be substituted

with an optional number of halogen atoms, hydroxy groups, mercapto groups, cyano groups, nitro groups, thiocyanato groups, carboxy groups, carbamoyl groups, trifluoromethyl groups, $C_1$-$C_6$ alkyl groups, $C_3$-$C_8$ cycloalkyl groups, $C_2$-$C_6$ alkenyl groups, $C_1$-$C_6$ alkoxyl groups, $C_3$-$C_8$ cycloalkyloxy groups, $C_1$-$C_6$ alkylthio groups, $C_1$-$C_3$ alkylenedioxy groups, phenyl groups, phenoxy groups, phenylamino groups, benzyl groups, benzoyl groups, phenylsulfinyl groups, phenylsulfonyl groups, 3-phenylureido groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, phenylcarbamoyl groups, N,N-di($C_1$-$C_6$ alkyl)sulfamoyl groups, amino groups, mono($C_1$-$C_6$ alkyl)amino groups, di($C_1$-$C_6$ alkyl)amino groups, benzylamino groups, $C_2$-$C_7$ (alkoxycarbonyl)amino groups, $C_1$-$C_6$ (alkylsulfonyl)amino groups or bis($C_1$-$C_6$ alkylsulfonyl)amino groups.

The $C_3$-$C_8$ cycloalkyl groups, aromatic heterocyclic groups having oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms, or condensed rings in $R^6$ are the same as defined for the above $R^1$, and the same examples are specifically preferable.

The "$C_3$-$C_8$ cycloalkenyl groups" in $R^6$ mean cycloalkenyl groups, for example, cyclobutenyl group, cyclopentenyl group, cyclohexenyl group, cycloheptenyl group and cyclooctenyl group, and 1-cyclopentenyl group, 1-cyclohexenyl group or the like is specifically preferable.

Among them, it is especially preferable for $R^6$ to be a phenyl group, a furyl group and a theinyl group.

The halogen atoms, $C_1$-$C_6$ alkyl groups, $C_1$-$C_6$ alkenyl groups, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$ alkylthio groups, $C_1$-$C_3$ alkylenedioxy groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, mono($C_1$-$C_6$ alkyl)amino groups and di($C_1$-$C_6$ alkyl)amino groups as the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the $C_3$-$C_8$ cycloalkenyl group, the benzyl group, the aromatic heterocyclic group or the condensed ring in $R^6$ are the same as defined for the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$, and the same examples are specifically preferable.

The $C_3$-$C_8$ cycloalkyl groups as the substituents of $R^6$ are the same as defined for the $C_3$-$C_8$ cycloalkyl groups in the above $R^1$, and the same examples are specifically preferable.

The "$C_3$-$C_8$ cycloalkyloxy groups" as the substituents of $R^6$ mean groups composed of the above $C_3$-$C_8$ cycloalkyl groups and oxy groups, and cyclopropyloxy group, cyclopentyloxy group, cyclohexyloxy group or the like is specifically preferable.

The "N,N-di($C_1$-$C_6$ alkyl)sulfamoyl groups" as the substituents of $R^6$ mean sulfamoyl groups substituted with the same or different two $C_1$-$C_6$ alkyl groups described above, and N,N-dimethylsulfamoyl group, N,N-diethylsulfamoyl group, N-ethyl-N-methylsulfamoyl group or the like is specifically preferable.

The "$C_2$-$C_7$ (alkoxycarbonyl)amino groups" as the substituents of $R^6$ mean groups composed of the above $C_2$-$C_7$ alkoxycarbonyl groups and amino groups, and (methoxycarbonyl)amino group, (ethoxycarbonyl)amino group or the like is specifically preferable.

The "$C_1$-$C_6$ (alkylsulfonyl)amino groups" as the substituents of $R^6$ mean groups composed of the above $C_1$-$C_6$ alkylsulfonyl groups and amino groups, and (methylsulfonyl)amino group or the like is specifically preferable.

The "bis($C_1$-$C_6$ alkylsulfonyl)amino groups" as the substituents of $R^6$ mean amino groups substituted with the same or different two $C_1$-$C_6$ alkylsulfonyl groups described above, and bis(methylsulfonyl)amino group or the like is specifically preferable.

Among them, halogen atoms, mercapto groups, nitro groups, thiocyanate groups, trifluoromethyl groups, $C_1$-$C_6$ alkyl groups, $C_1$-$C_6$ alkoxy groups, phenyl groups, phenylsulfonyl groups, $C_2$-$C_7$ alkanoylamino groups, amino groups and the like are especially preferable for the substituents of the phenyl groups, the $C_3$-$C_8$ cycloalkyl group, the $C_3$-$C_8$ cycloalkenyl group, the benzyl group, the aromatic heterocyclic group or the condensed group in $R^6$.

The substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the $C_3$-$C_8$ cycloalkenyl group, the benzyl group, the aromatic heterocyclic group or the condensed ring in such $R^6$ may further be substitiuted with an optional number of halogen atoms, cyano groups, hydroxy groups, amino groups, trifluormethyl groups, $C_1$-$C_6$ alkyl groups, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$

alkylthio groups, mono($C_1$-$C_6$ alkyl)amino groups or di($C_1$-$C_6$ alkyl)amino groups.

The halogen atoms, $C_1$-$C_6$ alkyl groups, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$ alkylthio groups, mono($C_1$-$C_6$ alkyl)amino groups and di($C_1$-$C_6$ alkyl)amino groups as the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the $C_3$-$C_8$ cycloalkenyl group, the benzyl group, the aromatic heterocyclic group or the condensed ring are the same as defined for the substituents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic aromatic group or the condensed ring in the above $R^1$, and the same examples are specifically preferable.

The remedially effective amount of the compounds represented by the above formula (I), pharmaceutically acceptable acid addition salts thereof or pharmaceutically acceptable $C_1$-$C_6$ alkyl-addition salts thereof together with a pharmaceutically acceptable carrier and/or a diluent can be prepared as a pharmaceutical composition and thus can be converted into medicines of the present invention capable of inhibiting the binding of chemokines to receptors on target cells, medicines having inhibitory actions on the binding of chemokines onto target cells or further remedies or prophylactics for diseases considered to be associated with chemokines or chemokine receptors. Namely, the cyclic amine derivatives represented by the above formula (I), pharmaceutically acceptable acid addition salts thereof or pharmaceutically acceptable $C_1$-$C_6$ alkyl addition salts thereof can be administered orally or parenterally such as intravenously, subcutaneously, intramuscularly, percutaneously or intrarectally.

For example, a tablet, a pill, a granule, a powder, a solution, a suspension or a capsule can be cited as the dosage form of the oral administration.

The tablet can be formed by using an vehicle, for example, lactose, starch or crystalline cellulose; a binder, for example, carboxymethylcellulose, methylcellulose or polyvinylpyrrolidone; or a disintegrator, for example, sodium alginate, sodium bicarbonate or sodium lauryl sulfate or the like according to a conventional method.

The pill, powder and granule can similarly be formed with using the above vehicle or the like according to a conventional method. The solution and

suspension are produced with using glycerin esters, for example, tricaprylin or triacetin or alcohols, for example, ethanol according to a conventional method. The capsule is produced with filling a granule, powder or solution in a capsule such as gelatin.

A parenteral injection such as the form of an aqueous or a nonaqueous solution formulation is cited as the dosage form of subcutaneous, intramuscular or intravenous administration. For example, a isotonic sodium chloride solution is used as the aqueous solution. For example, propylene glycol, polyethylene glycol, olive oil or ethyl oleate is used for the nonaqueous solution. An antiseptic, a stabilizer or the like, if necessary, is added thereto. The parenteral injection is sterilized by suitably carrying out treatment such as filtration through a bacterial filter or combination of a disinfectant.

For example, an ointment or a cream is cited as the dosage form of percutaneous administration. The ointment is prepared by using oils and fats such as castor oil or olive oil or vaseline, and the cream is formed by using a fatty oil or an emulsifying agent such as diethylene glycol or sorbitan mono-fatty acid ester according to a conventional method.

A usual suppository such as a gelatin soft capsule is used for intrarectal administration.

The dose of the cyclic amine derivatives, pharmaceutically acceptable acid addition salts thereof or pharmaceutically acceptable $C_1$-$C_6$ alkyl addition salts thereof used in the present invention varies with the types of diseases, routs of administration, age and sex of patients and severity of diseases and the like, but is usually 1 to 500 mg/day for an adult.

Examples of the cyclic amine derivatives represented by the above formula (I) preferably include compounds having respective substituents shown in the following Tables 1.1 to 1.206

In Tables 1.1 to 1.206, "Table" means "Table", and "Compd. No." means "compound number". "Chirality" means the "absolute configuration", i.e. the absolute configuration of asymmetric carbon on the ring of the cyclic amine. "R" means that the asymmetric carbon atom on the ring of the cyclic amine has the absolute configuration of *R*, and "S" means that the asymmetric carbon atom has the absolute configuration of *S*. "-" means that the compound is a racemate or the compound has no asymmetric carbon atom on the cyclic amines.

Table 1.1

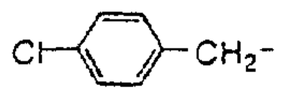
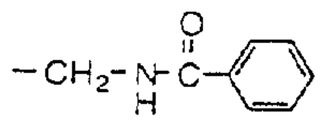
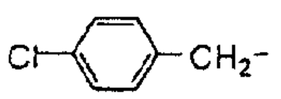
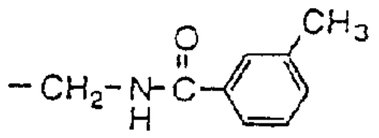
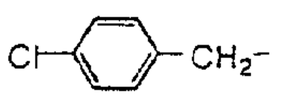
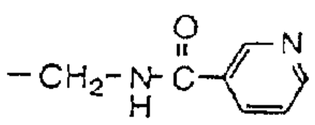
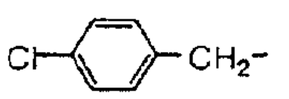
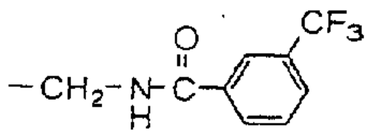
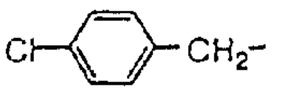
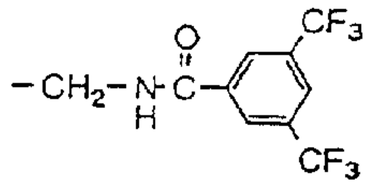
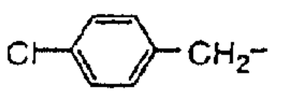
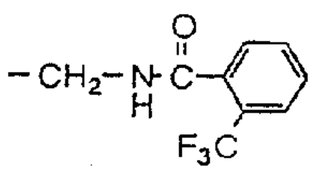
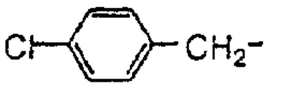
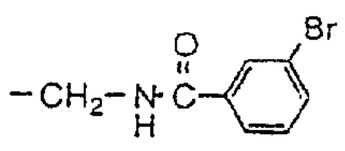
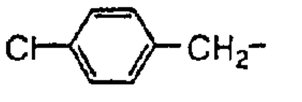
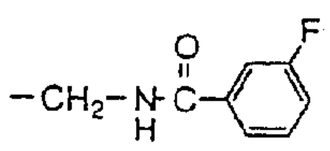
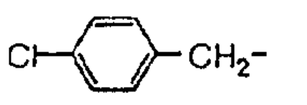
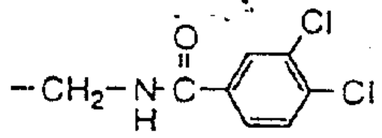
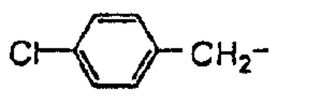
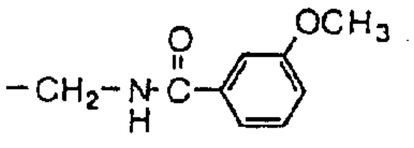
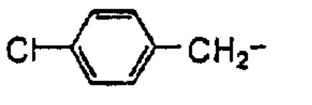
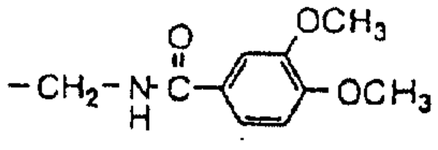
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|---|---|---|---|---|---|---|---|
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| 2 |  | 1 | 2 | 0 | - | H |  |
| 3 |  | 1 | 2 | 0 | - | H |  |
| 4 |  | 1 | 2 | 0 | - | H |  |
| 5 |  | 1 | 2 | 0 | S | H |  |
| 6 |  | 1 | 2 | 0 | S | H |  |
| 7 |  | 1 | 2 | 0 | S | H |  |
| 8 |  | 1 | 2 | 0 | S | H |  |
| 9 |  | 1 | 2 | 0 | S | H |  |
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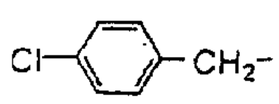
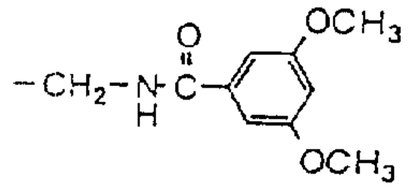
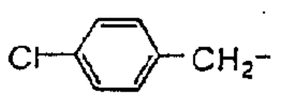
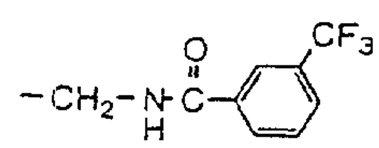
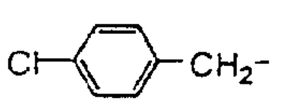
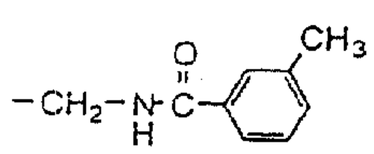
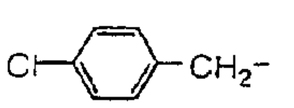
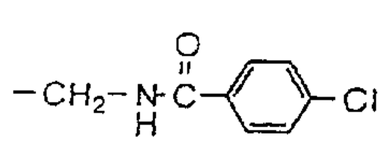
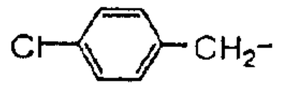
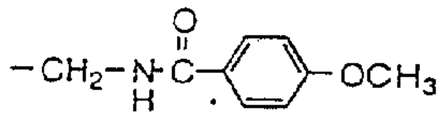
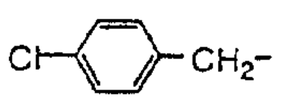
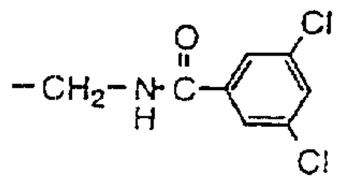
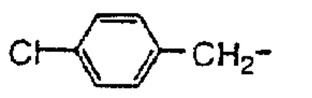
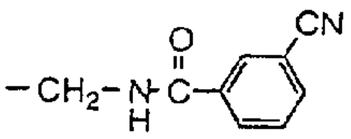
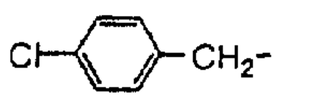
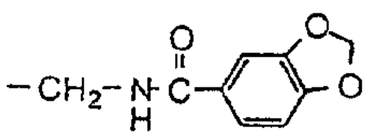
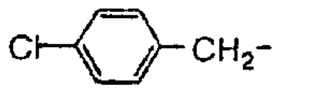
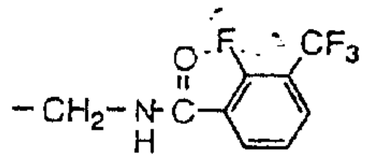
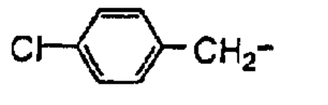
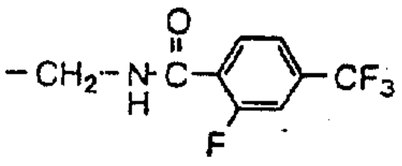
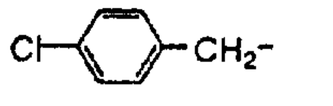
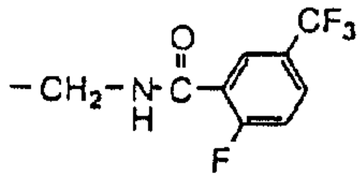
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
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| 13 |  | 1 | 2 | 0 | S | H |  |
| 14 |  | 1 | 2 | 0 | S | H |  |
| 15 |  | 1 | 2 | 0 | S | H |  |
| 16 |  | 1 | 2 | 0 | S | H |  |
| 17 |  | 1 | 2 | 0 | S | H |  |
| 18 |  | 1 | 2 | 0 | S | H |  |
| 19 |  | 1 | 2 | 0 | S | H |  |
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Table 1.3

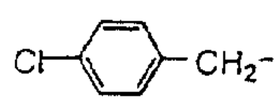
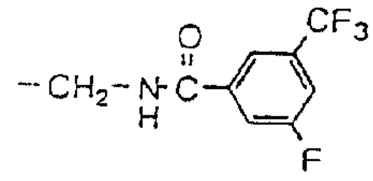
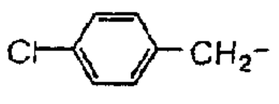
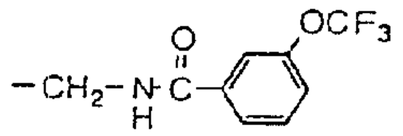
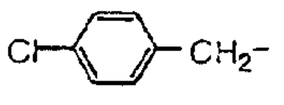
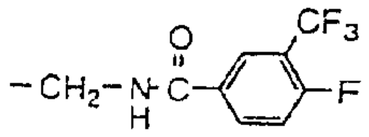
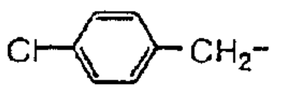
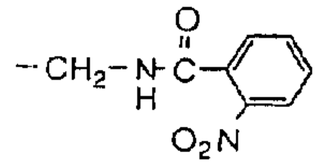
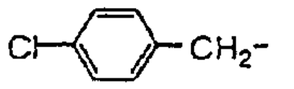
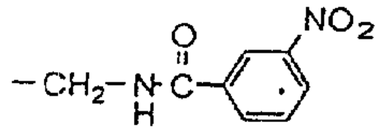
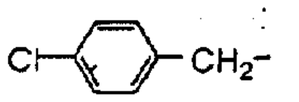
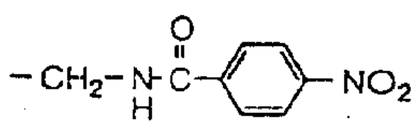
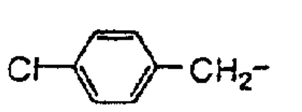
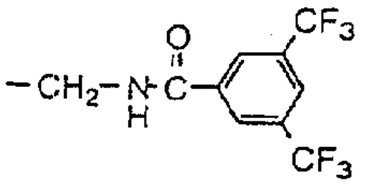
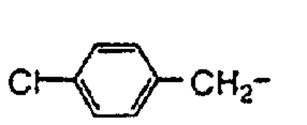
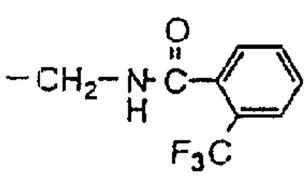
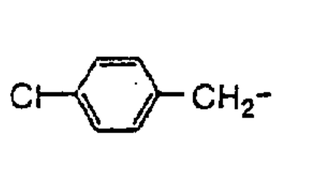
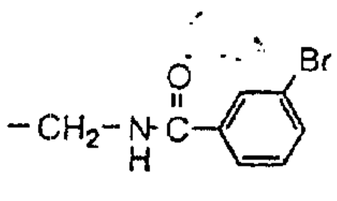
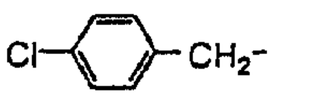
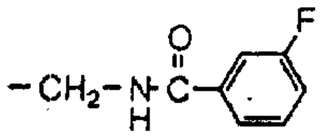
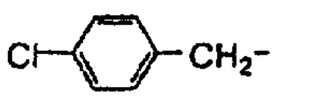
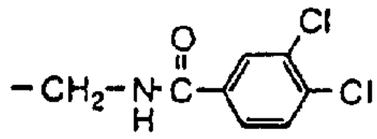
| Compd. No. | $R^1$, $R^2$, $-(CH_2)_j-$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 23 |  | 1 | 2 | 0 | S | H |  |
| 24 |  | 1 | 2 | 0 | S | H |  |
| 25 |  | 1 | 2 | 0 | S | H |  |
| 26 |  | 1 | 2 | 0 | S | H |  |
| 27 |  | 1 | 2 | 0 | S | H |  |
| 28 |  | 1 | 2 | 0 | S | H |  |
| 29 |  | 1 | 2 | 0 | R | H |  |
| 30 |  | 1 | 2 | 0 | R | H |  |
| 31 |  | 1 | 2 | 0 | R | H |  |
| 32 |  | 1 | 2 | 0 | R | H |  |
| 33 |  | 1 | 2 | 0 | R | H |  |

Table 1.4

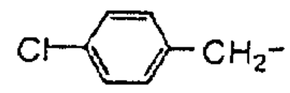
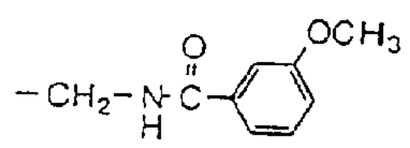
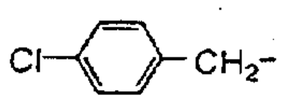
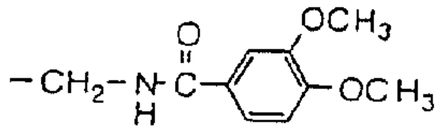
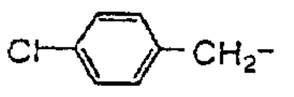
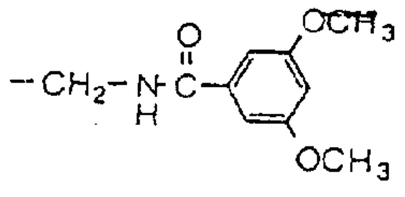
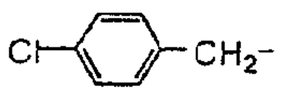
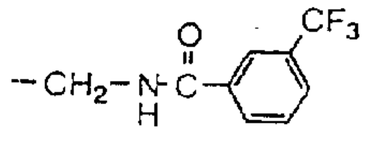
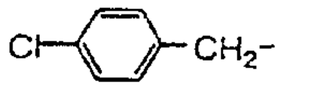
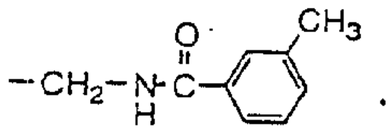
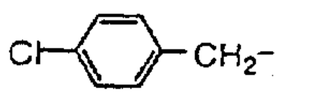
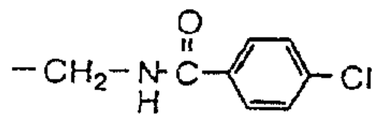
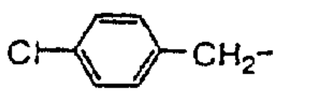
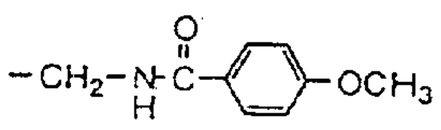
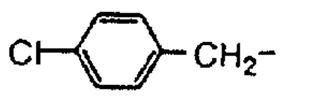
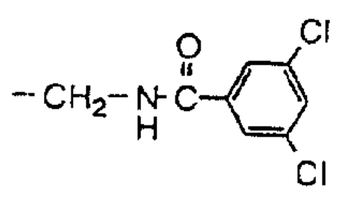
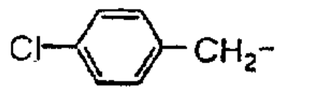
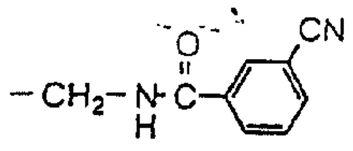
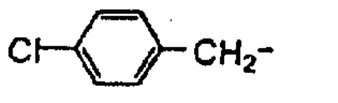
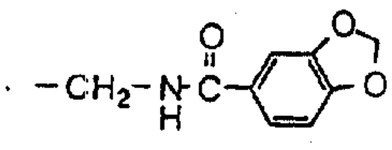
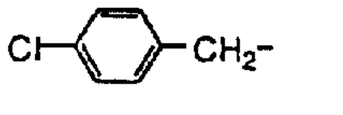
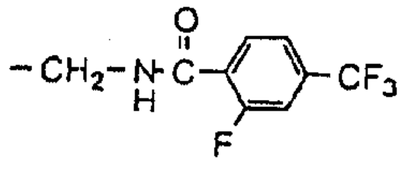
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 34 |  | 1 | 2 | 0 | R | H |  |
| 35 |  | 1 | 2 | 0 | R | H |  |
| 36 |  | 1 | 2 | 0 | R | H |  |
| 37 |  | 1 | 2 | 0 | R | H |  |
| 38 |  | 1 | 2 | 0 | R | H |  |
| 39 |  | 1 | 2 | 0 | R | H |  |
| 40 |  | 1 | 2 | 0 | R | H |  |
| 41 |  | 1 | 2 | 0 | R | H |  |
| 42 |  | 1 | 2 | 0 | R | H |  |
| 43 |  | 1 | 2 | 0 | R | H |  |
| 44 |  | 1 | 2 | 0 | R | H |  |

Table 1.5

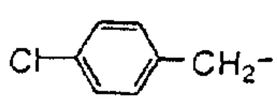
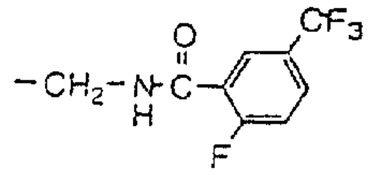
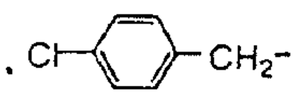
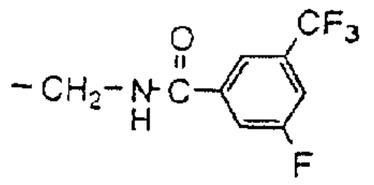
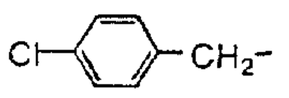
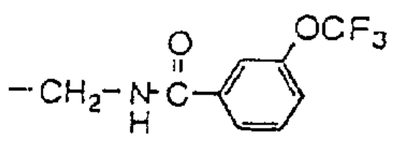
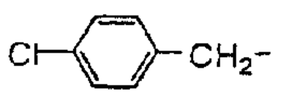
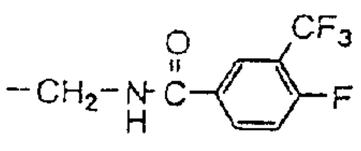
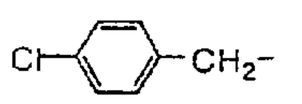
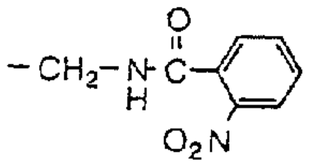
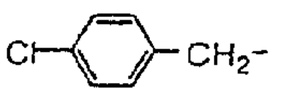
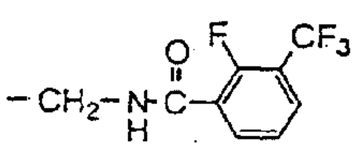
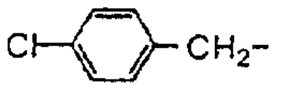
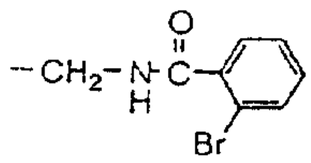
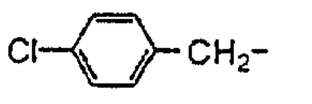
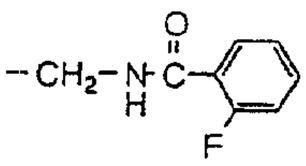
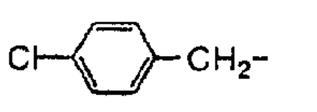
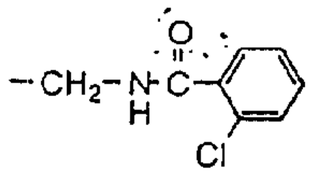
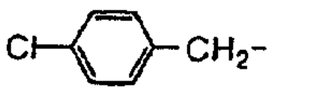
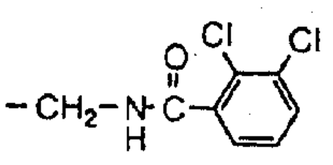
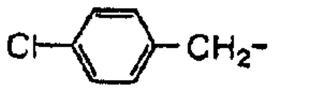
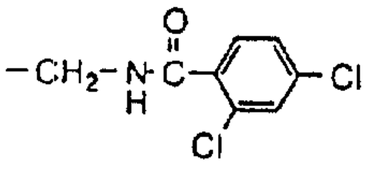
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 45 |  | 1 | 2 | 0 | R | H |  |
| 46 |  | 1 | 2 | 0 | R | H |  |
| 47 |  | 1 | 2 | 0 | R | H |  |
| 48 |  | 1 | 2 | 0 | R | H |  |
| 49 |  | 1 | 2 | 0 | R | H |  |
| 50 |  | 1 | 2 | 0 | R | H |  |
| 51 |  | 1 | 2 | 0 | R | H |  |
| 52 |  | 1 | 2 | 0 | R | H |  |
| 53 |  | 1 | 2 | 0 | R | H |  |
| 54 |  | 1 | 2 | 0 | R | H |  |
| 55 |  | 1 | 2 | 0 | R | H |  |

Table 1.6

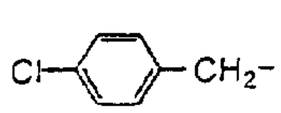
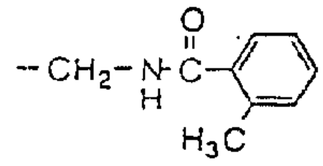
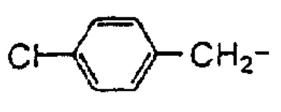
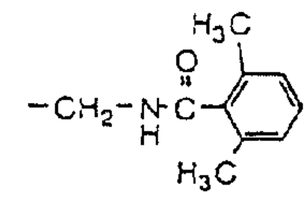
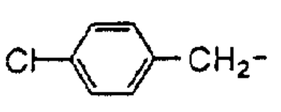
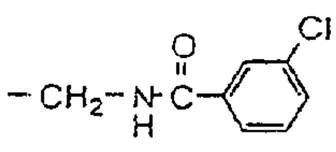
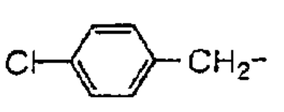
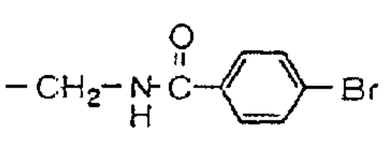
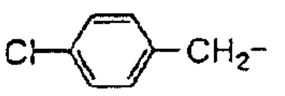
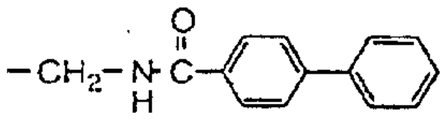
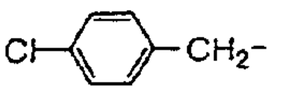
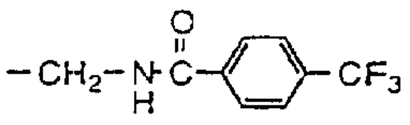
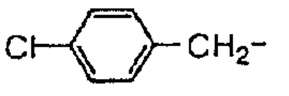
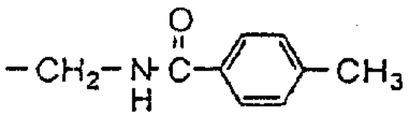
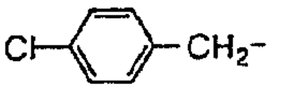
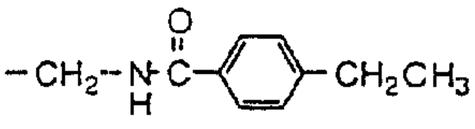
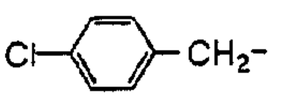
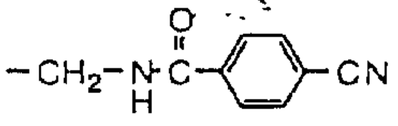
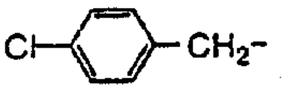
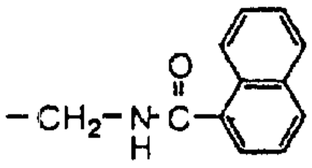
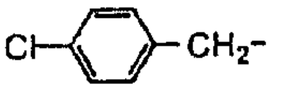
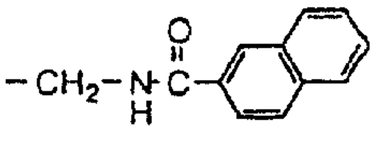
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 56 |  | 1 | 2 | 0 | R | H |  |
| 57 |  | 1 | 2 | 0 | R | H |  |
| 58 |  | 1 | 2 | 0 | R | H |  |
| 59 |  | 1 | 2 | 0 | R | H |  |
| 60 |  | 1 | 2 | 0 | R | H |  |
| 61 |  | 1 | 2 | 0 | R | H |  |
| 62 |  | 1 | 2 | 0 | R | H |  |
| 63 |  | 1 | 2 | 0 | R | H |  |
| 64 |  | 1 | 2 | 0 | R | H |  |
| 65 |  | 1 | 2 | 0 | R | H |  |
| 66 |  | 1 | 2 | 0 | R | H |  |

Table 1.7

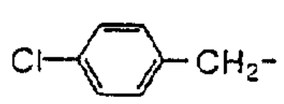
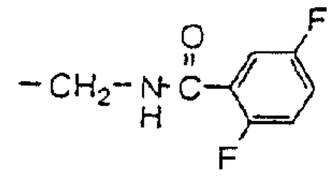
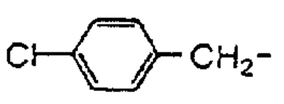
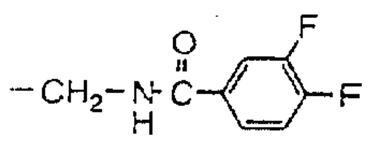
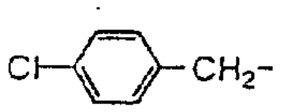
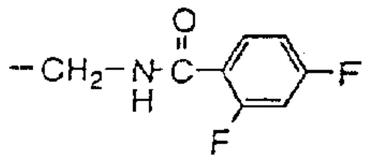
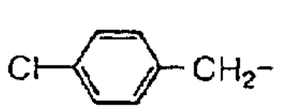
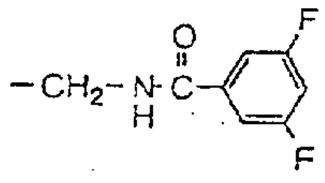
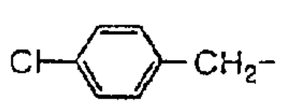
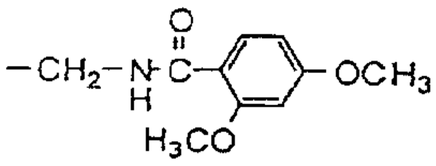
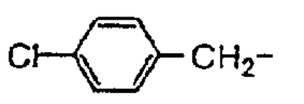
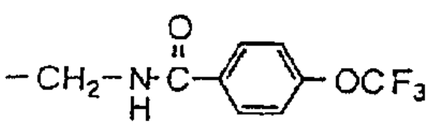
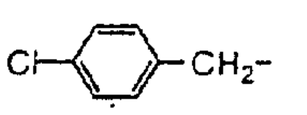
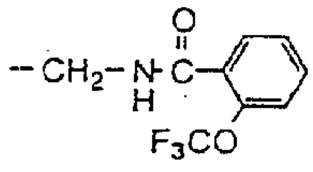
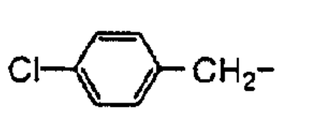
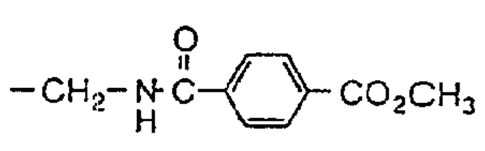
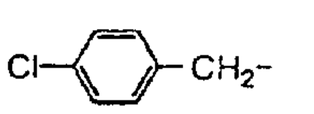
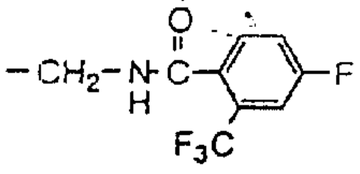
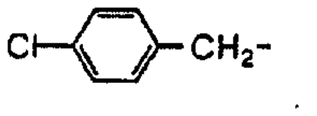
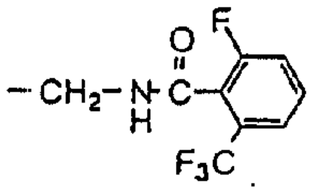
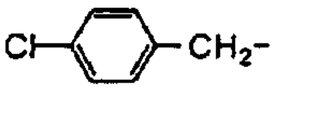
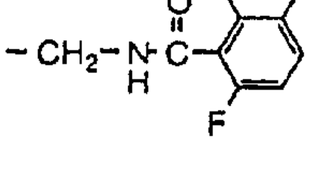
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 67 |  | 1 | 2 | 0 | R | H |  |
| 68 |  | 1 | 2 | 0 | R | H |  |
| 69 |  | 1 | 2 | 0 | R | H |  |
| 70 |  | 1 | 2 | 0 | R | H |  |
| 71 |  | 1 | 2 | 0 | R | H |  |
| 72 |  | 1 | 2 | 0 | R | H |  |
| 73 |  | 1 | 2 | 0 | R | H |  |
| 74 |  | 1 | 2 | 0 | R | H |  |
| 75 |  | 1 | 2 | 0 | R | H |  |
| 76 |  | 1 | 2 | 0 | R | H |  |
| 77 |  | 1 | 2 | 0 | R | H |  |

Table 1.8

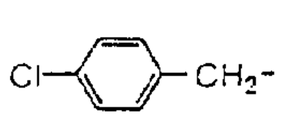
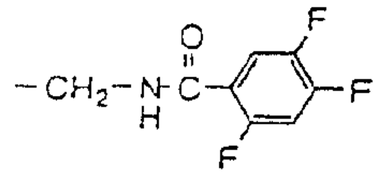
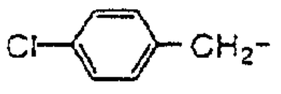
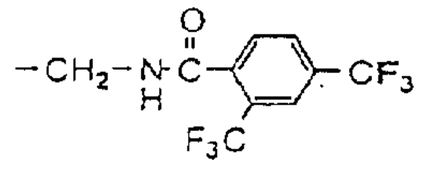
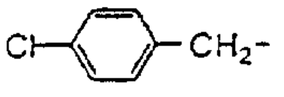
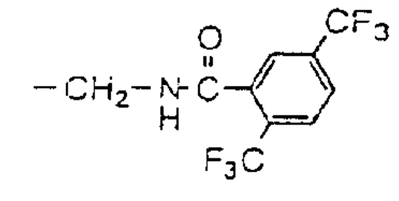
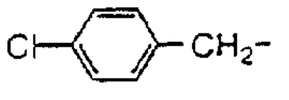
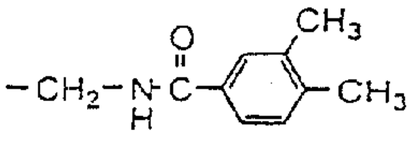
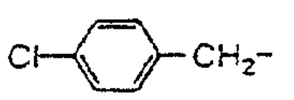
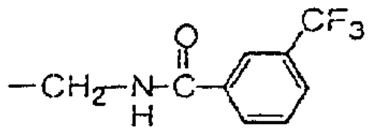
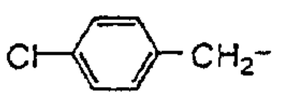
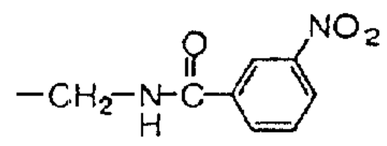
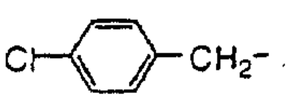
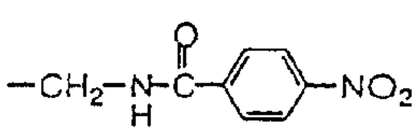
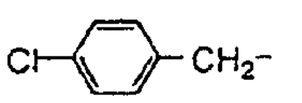
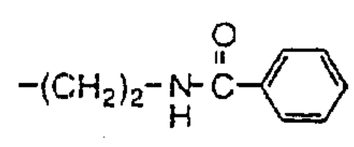
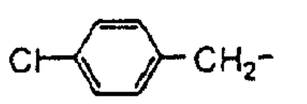
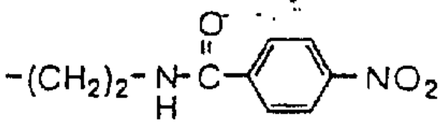
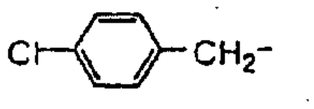
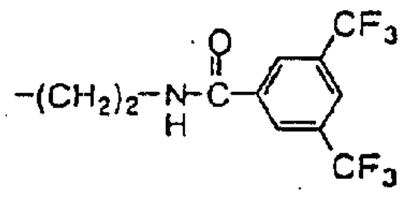
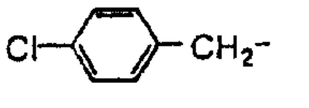
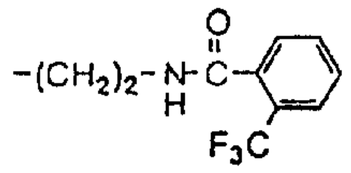
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 78 |  | 1 | 2 | 0 | R | H |  |
| 79 |  | 1 | 2 | 0 | R | H |  |
| 80 |  | 1 | 2 | 0 | R | H |  |
| 81 |  | 1 | 2 | 0 | R | H |  |
| 82 |  | 1 | 2 | 0 | - | $-CH_3$ |  |
| 83 |  | 1 | 2 | 0 | R | H |  |
| 84 |  | 1 | 2 | 0 | R | H |  |
| 85 |  | 1 | 2 | 0 | - | H |  |
| 86 |  | 1 | 2 | 0 | - | H |  |
| 87 |  | 1 | 2 | 0 | S | H |  |
| 88 |  | 1 | 2 | 0 | S | H |  |

Table 1.9

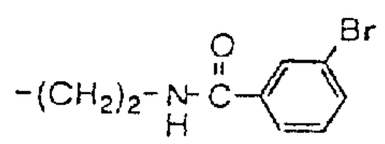
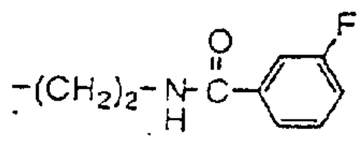
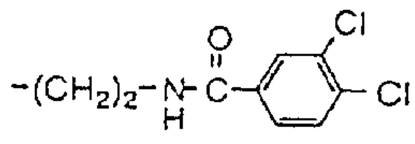
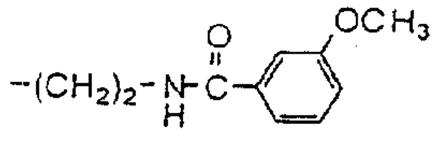
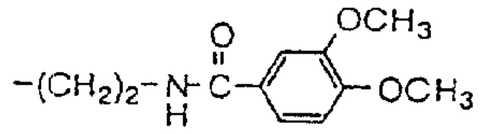
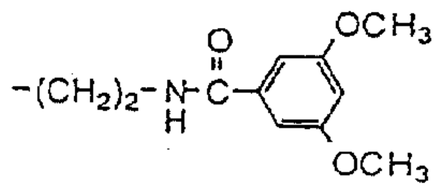
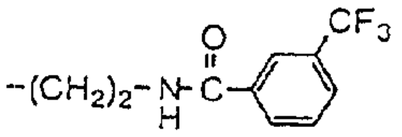
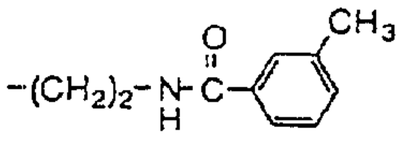
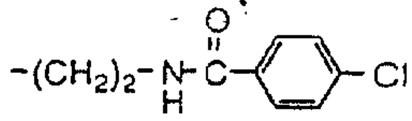
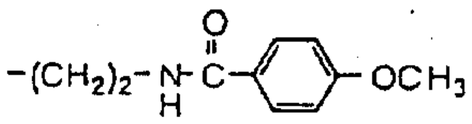
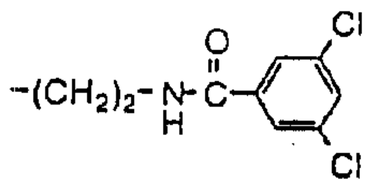
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 89 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 90 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 91 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 92 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 93 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 94 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 95 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 96 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 97 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 98 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 99 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |

Table 1.10

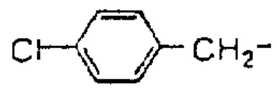
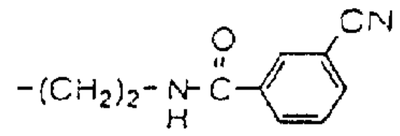
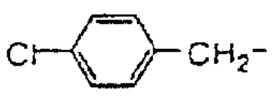
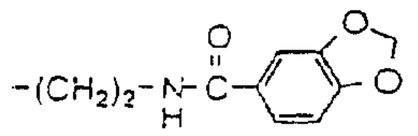
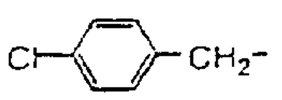
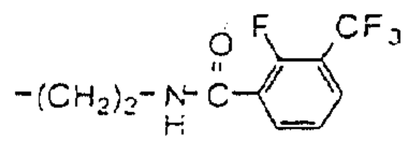
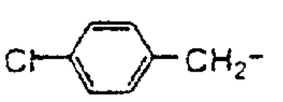
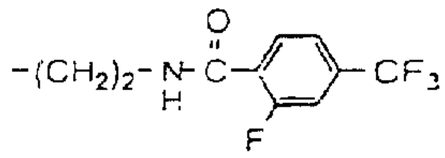
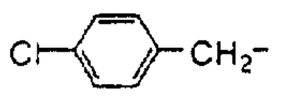
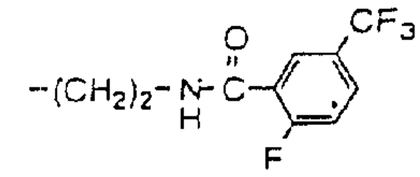
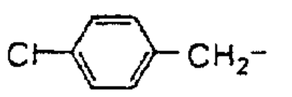
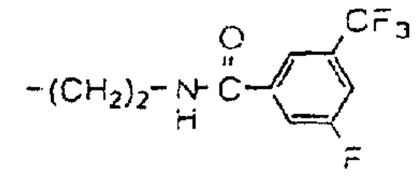
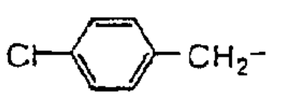
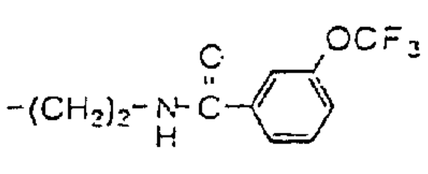
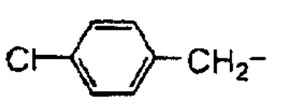
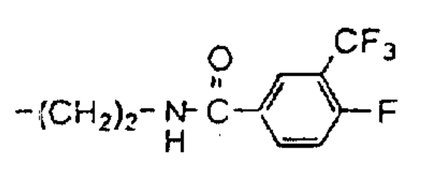
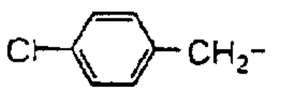
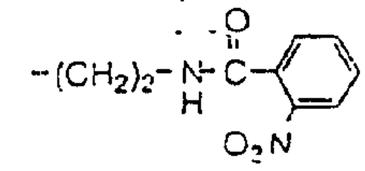
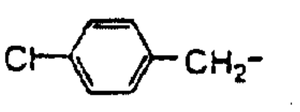
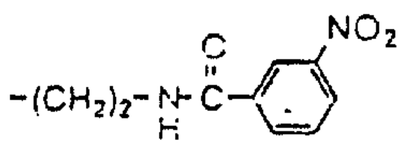
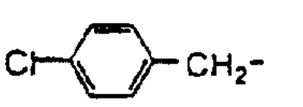
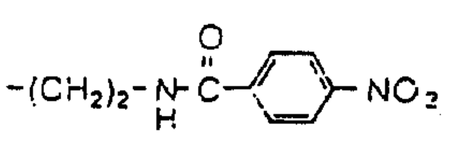
| Compd. No. | $R^1$, $R^2$, $-(CH_2)_l-$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 100 |  | 1 | 2 | 0 | S | H |  |
| 101 |  | 1 | 2 | 0 | S | H |  |
| 102 |  | 1 | 2 | 0 | S | H |  |
| 103 |  | 1 | 2 | 0 | S | H |  |
| 104 |  | 1 | 2 | 0 | S | H |  |
| 105 |  | 1 | 2 | 0 | S | H |  |
| 106 |  | 1 | 2 | 0 | S | H |  |
| 107 |  | 1 | 2 | 0 | S | H |  |
| 108 |  | 1 | 2 | 0 | S | H |  |
| 109 |  | 1 | 2 | 0 | S | H |  |
| 110 |  | 1 | 2 | 0 | S | H |  |

Table 1.11

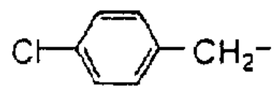
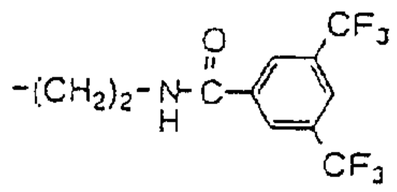
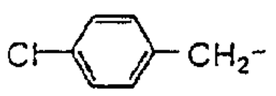
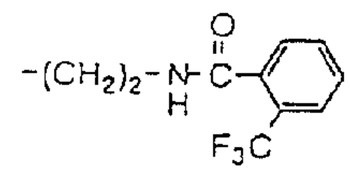
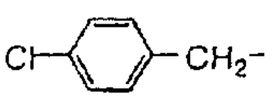
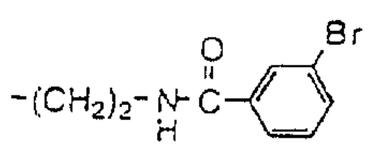
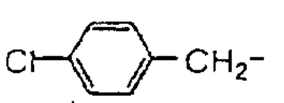
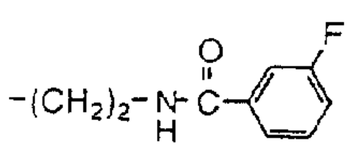
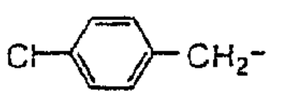
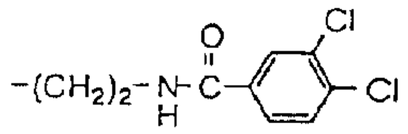
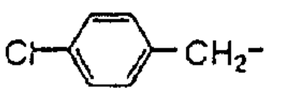
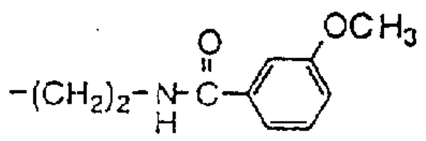
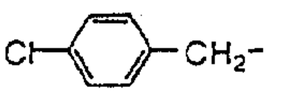
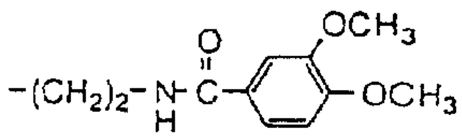
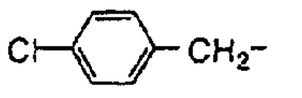
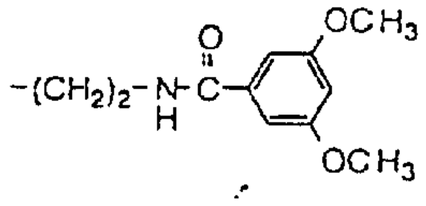
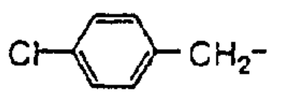
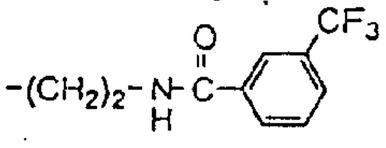
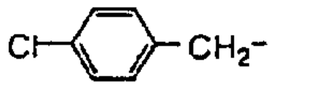
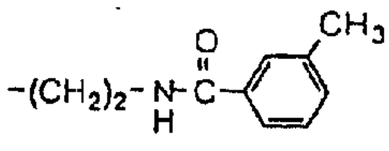
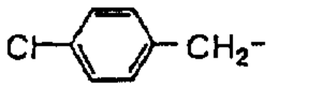
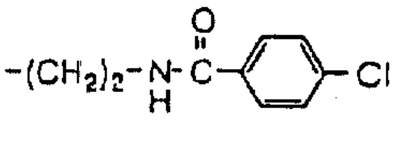
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 111 |  | 1 | 2 | 0 | R | H |  |
| 112 |  | 1 | 2 | 0 | R | H |  |
| 113 |  | 1 | 2 | 0 | R | H |  |
| 114 |  | 1 | 2 | 0 | R | H |  |
| 115 |  | 1 | 2 | 0 | R | H |  |
| 116 |  | 1 | 2 | 0 | R | H |  |
| 117 |  | 1 | 2 | 0 | R | H |  |
| 118 |  | 1 | 2 | 0 | R | H |  |
| 119 |  | 1 | 2 | 0 | R | H |  |
| 120 |  | 1 | 2 | 0 | R | H |  |
| 121 |  | 1 | 2 | 0 | R | H |  |

Table 1.12

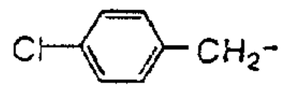
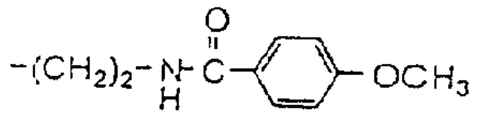
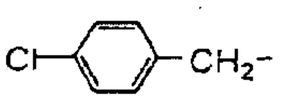
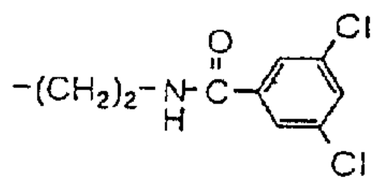
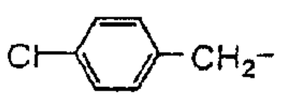
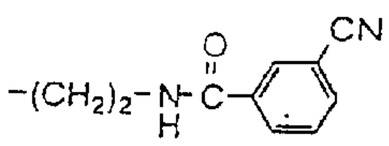
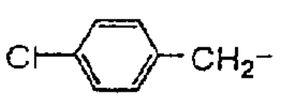
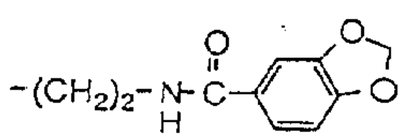
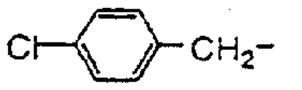
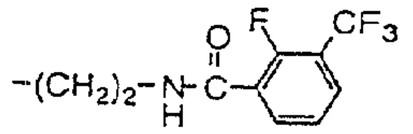
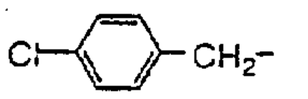
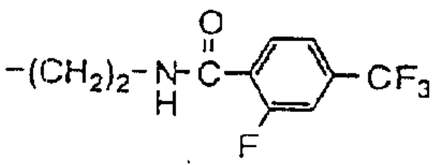
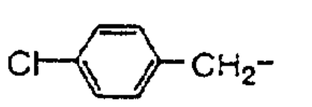
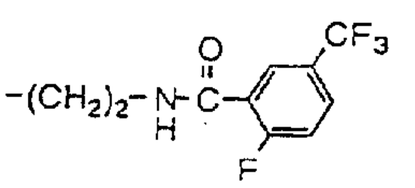
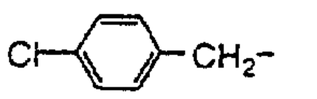
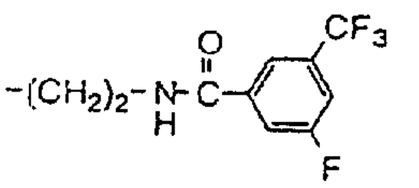
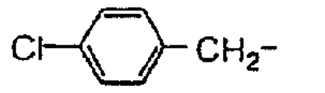
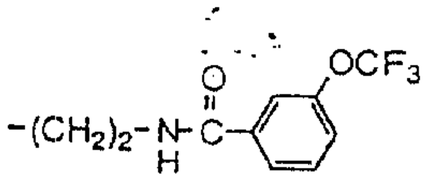
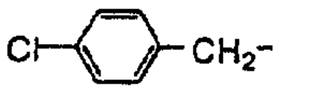
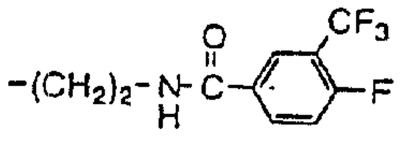
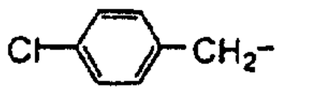
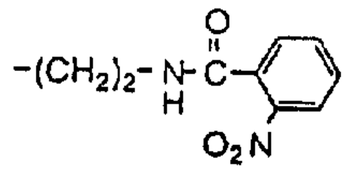
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 122 |  | 1 | 2 | 0 | R | H |  |
| 123 |  | 1 | 2 | 0 | R | H |  |
| 124 |  | 1 | 2 | 0 | R | H |  |
| 125 |  | 1 | 2 | 0 | R | H |  |
| 126 |  | 1 | 2 | 0 | R | H |  |
| 127 |  | 1 | 2 | 0 | R | H |  |
| 128 |  | 1 | 2 | 0 | R | H |  |
| 129 |  | 1 | 2 | 0 | R | H |  |
| 130 |  | 1 | 2 | 0 | R | H |  |
| 131 |  | 1 | 2 | 0 | R | H |  |
| 132 |  | 1 | 2 | 0 | R | H |  |

Table 1.13

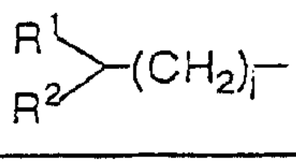
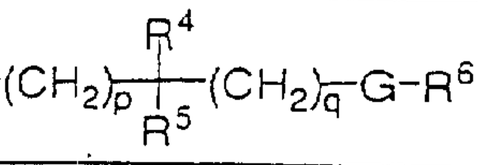
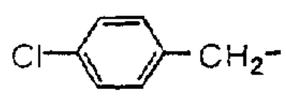
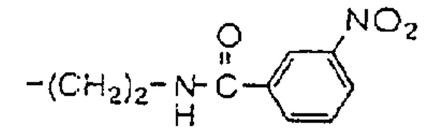
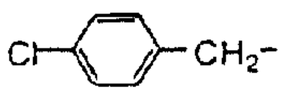
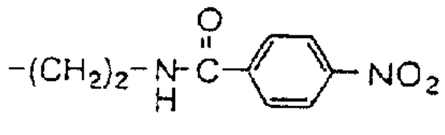
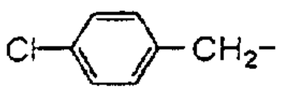
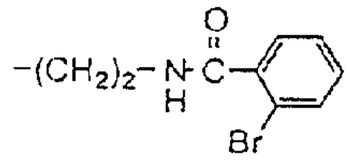
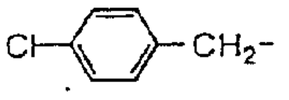
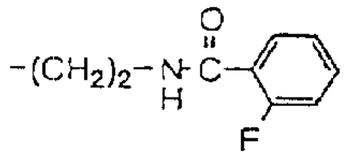
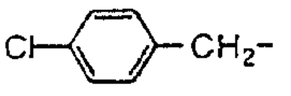
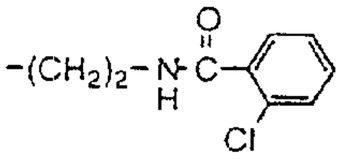
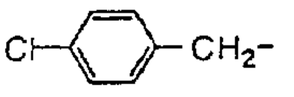
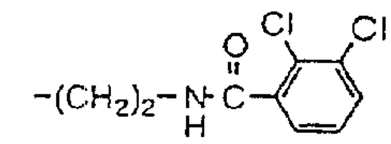
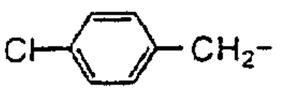
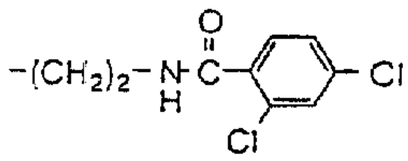
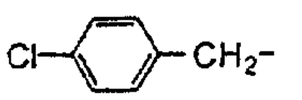
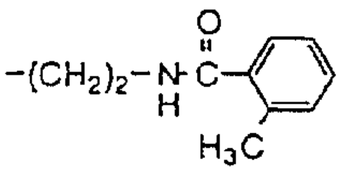
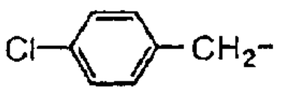
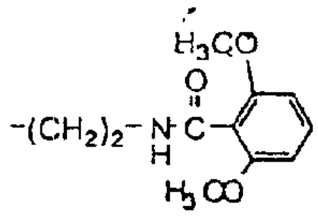
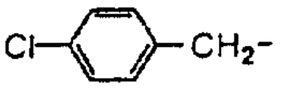
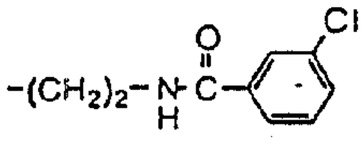
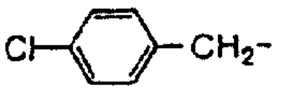
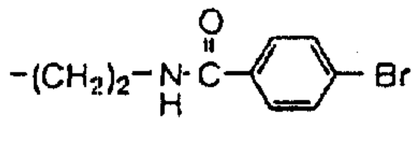
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 133 |  | 1 | 2 | 0 | R | H |  |
| 134 |  | 1 | 2 | 0 | R | H |  |
| 135 |  | 1 | 2 | 0 | R | H |  |
| 136 |  | 1 | 2 | 0 | R | H |  |
| 137 |  | 1 | 2 | 0 | R | H |  |
| 138 |  | 1 | 2 | 0 | R | H |  |
| 139 |  | 1 | 2 | 0 | R | H |  |
| 140 |  | 1 | 2 | 0 | R | H |  |
| 141 |  | 1 | 2 | 0 | R | H |  |
| 142 |  | 1 | 2 | 0 | R | H |  |
| 143 |  | 1 | 2 | 0 | R | H |  |

Table 1.14

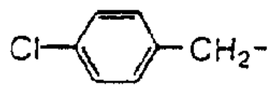
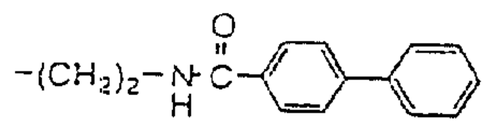
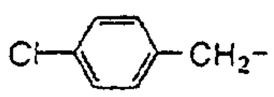
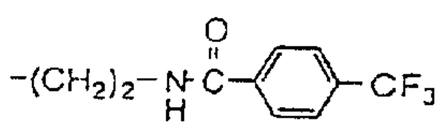
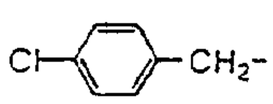
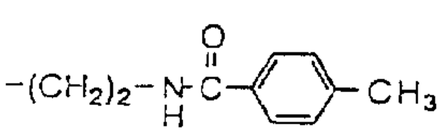
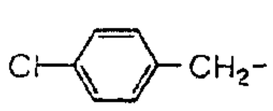
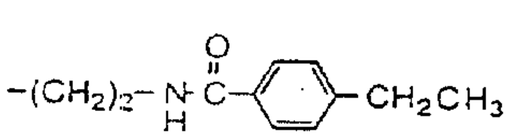
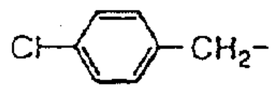
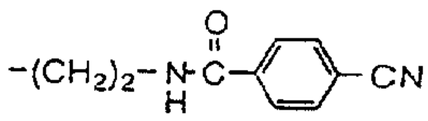
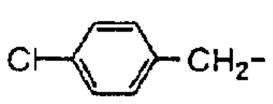
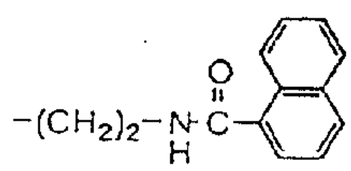
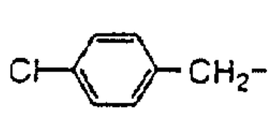
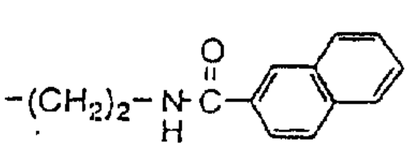
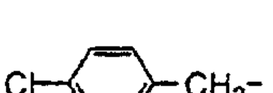
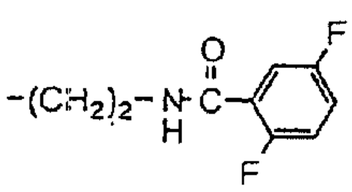
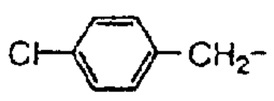
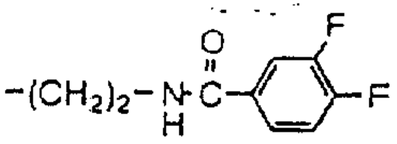
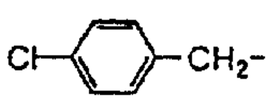
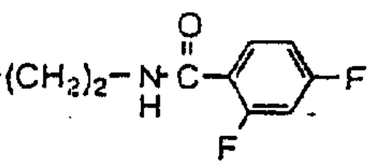
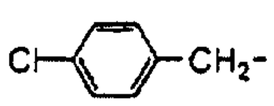
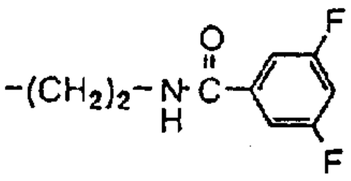
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 144 |  | 1 | 2 | 0 | R | H |  |
| 145 |  | 1 | 2 | 0 | R | H |  |
| 146 |  | 1 | 2 | 0 | R | H |  |
| 147 |  | 1 | 2 | 0 | R | H |  |
| 148 |  | 1 | 2 | 0 | R | H |  |
| 149 |  | 1 | 2 | 0 | R | H |  |
| 150 |  | 1 | 2 | 0 | R | H |  |
| 151 |  | 1 | 2 | 0 | R | H |  |
| 152 |  | 1 | 2 | 0 | R | H |  |
| 153 |  | 1 | 2 | 0 | R | H |  |
| 154 |  | 1 | 2 | 0 | R | H |  |

Table 1.15

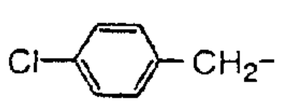
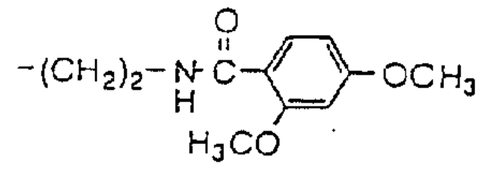
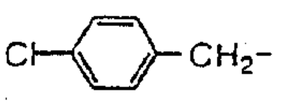
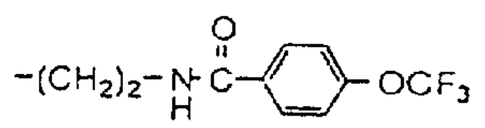
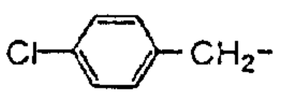
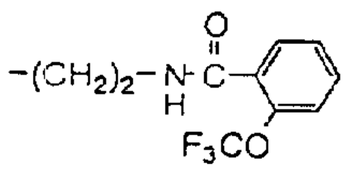
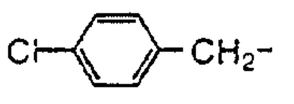
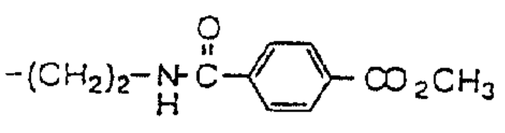
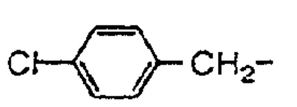
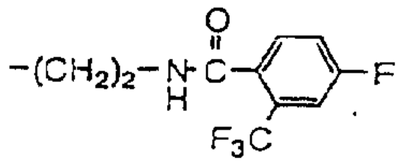
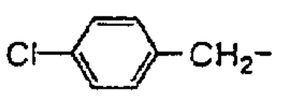
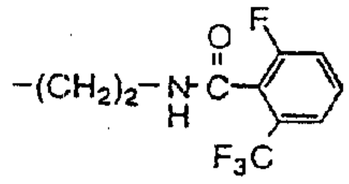
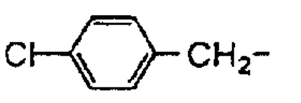
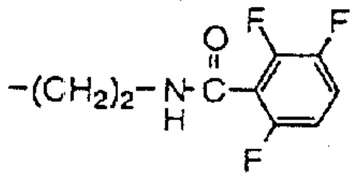
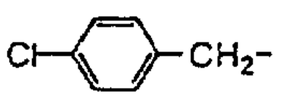
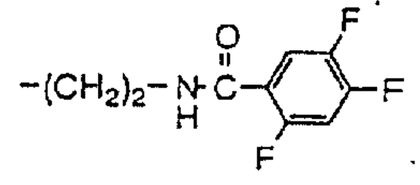
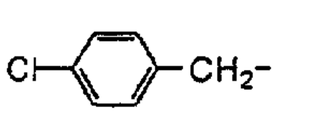
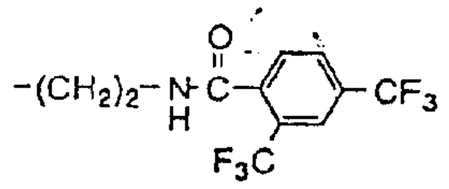
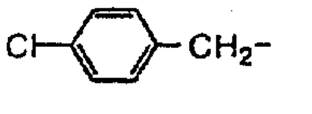
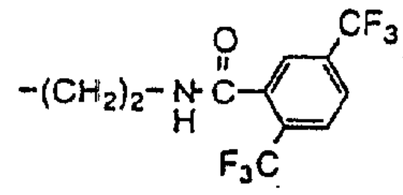
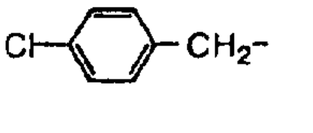
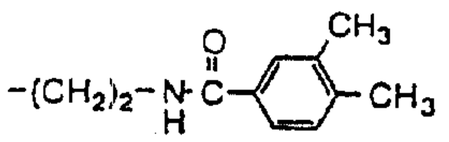
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 155 |  | 1 | 2 | 0 | R | H |  |
| 156 |  | 1 | 2 | 0 | R | H |  |
| 157 |  | 1 | 2 | 0 | R | H |  |
| 158 |  | 1 | 2 | 0 | R | H |  |
| 159 |  | 1 | 2 | 0 | R | H |  |
| 160 |  | 1 | 2 | 0 | R | H |  |
| 161 |  | 1 | 2 | 0 | R | H |  |
| 162 |  | 1 | 2 | 0 | R | H |  |
| 163 |  | 1 | 2 | 0 | R | H |  |
| 164 |  | 1 | 2 | 0 | R | H |  |
| 165 |  | 1 | 2 | 0 | R | H |  |

Table 1.16

| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 166 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (S)-CH(CH3)-NH-C(=O)-C6H4-$CF_3$ |
| 167 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (S)-CH(CH3)-NH-C(=O)-C6H4-Br |
| 168 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (S)-CH(CH3)-NH-C(=O)-C6H4-Cl |
| 169 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (S)-CH(CH3)-NH-C(=O)-C6H3-Cl2 |
| 170 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (S)-CH(CH3)-NH-C(=O)-C6H3-F-$CF_3$ |
| 171 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (S)-CH(CH3)-NH-C(=O)-C6H4-Cl |
| 172 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (S)-CH(CH3)-NH-C(=O)-C6H5 |
| 173 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (S)-CH(CH3)-NH-C(=O)-C6H4-$NO_2$ |
| 174 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (R)-CH(CH3)-NH-C(=O)-C6H4-$CF_3$ |
| 175 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (R)-CH(CH3)-NH-C(=O)-C6H4-Br |
| 176 | Cl-C6H4-$CH_2$- | 1 | 2 | 0 | R | H | (R)-CH(CH3)-NH-C(=O)-C6H4-Cl |

Table 1.17

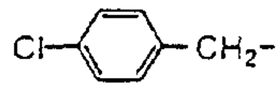
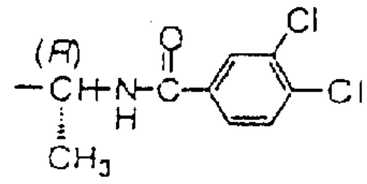
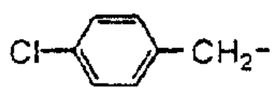
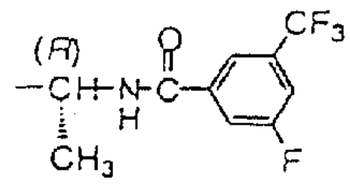
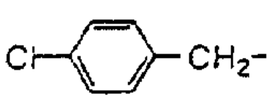
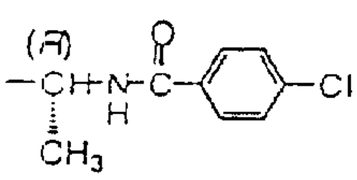
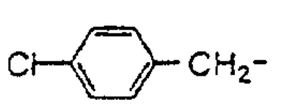
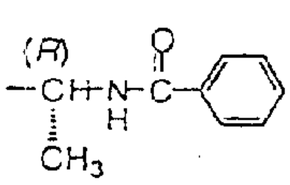
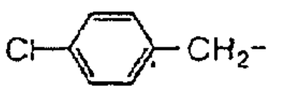
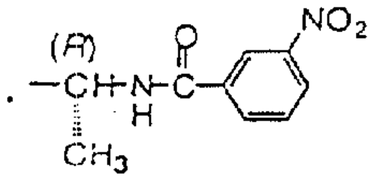
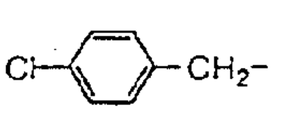
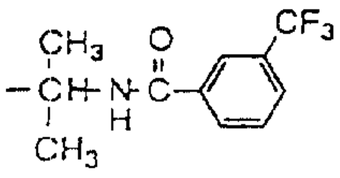
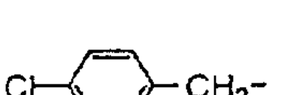
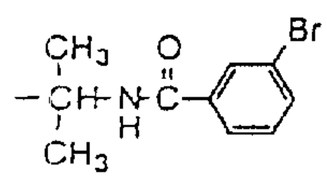
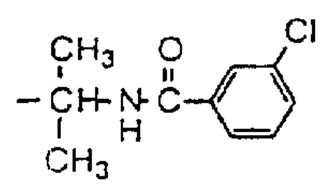
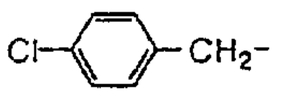
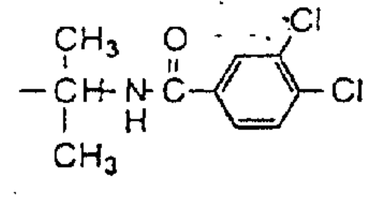
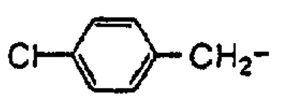
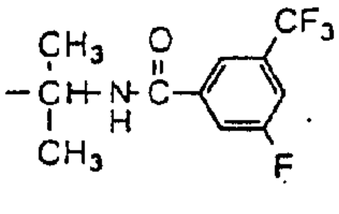
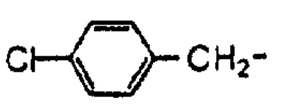
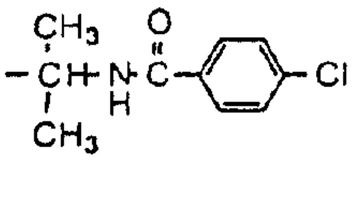
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CH(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 177 |  | 1 | 2 | 0 | R | H |  |
| 178 |  | 1 | 2 | 0 | R | H |  |
| 179 |  | 1 | 2 | 0 | R | H |  |
| 180 |  | 1 | 2 | 0 | R | H |  |
| 181 |  | 1 | 2 | 0 | R | H |  |
| 182 |  | 1 | 2 | 0 | R | H |  |
| 183 |  | 1 | 2 | 0 | R | H |  |
| 184 |  | 1 | 2 | 0 | R | H |  |
| 185 |  | 1 | 2 | 0 | R | H |  |
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| 187 |  | 1 | 2 | 0 | R | H |  |

Table 1.18

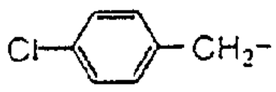
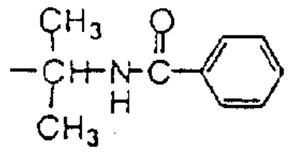
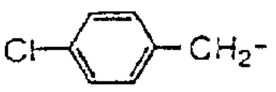
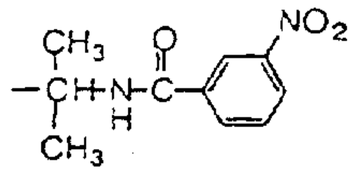
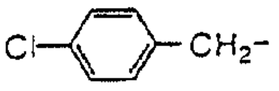
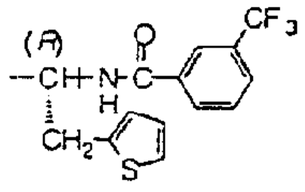
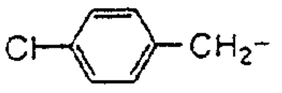
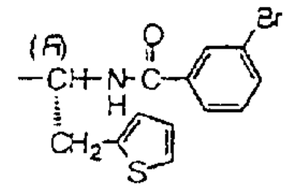
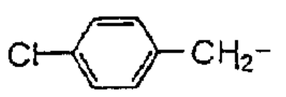
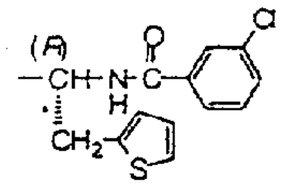
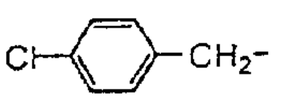
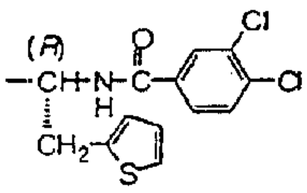
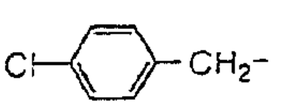
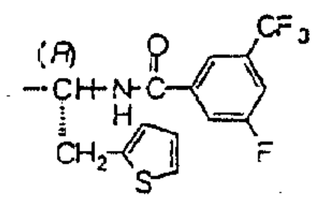
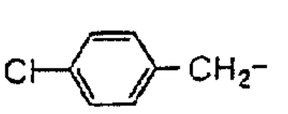
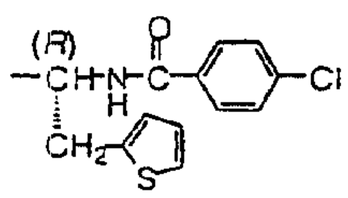
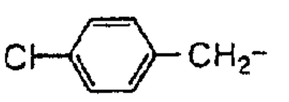
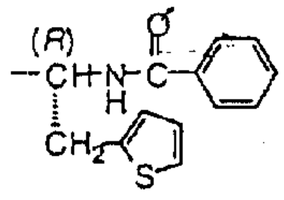
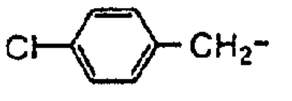
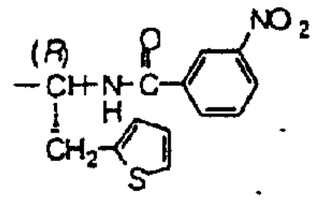
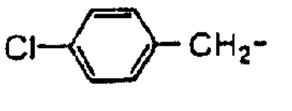
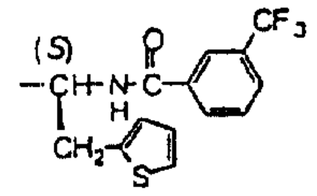
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CH(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 188 |  | 1 | 2 | 0 | R | H |  |
| 189 |  | 1 | 2 | 0 | R | H |  |
| 190 |  | 1 | 2 | 0 | R | H |  |
| 191 |  | 1 | 2 | 0 | R | H |  |
| 192 |  | 1 | 2 | 0 | R | H |  |
| 193 |  | 1 | 2 | 0 | R | H |  |
| 194 |  | 1 | 2 | 0 | R | H |  |
| 195 |  | 1 | 2 | 0 | R | H |  |
| 196 |  | 1 | 2 | 0 | R | H |  |
| 197 |  | 1 | 2 | 0 | R | H |  |
| 198 |  | 1 | 2 | 0 | R | H |  |

Table 1.19

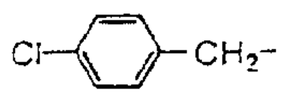
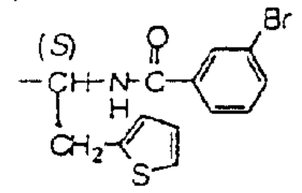
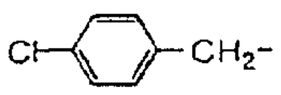
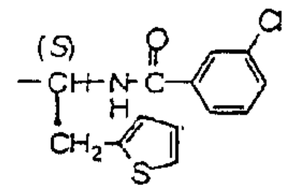
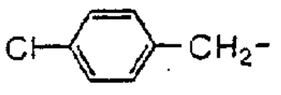
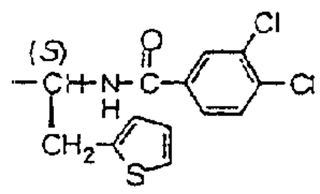
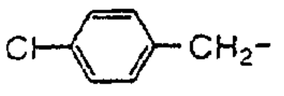
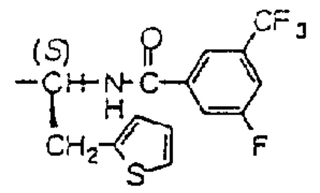
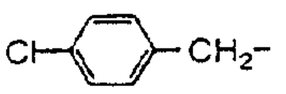
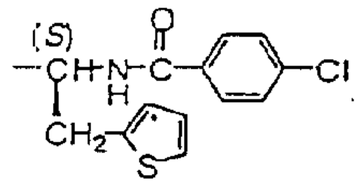
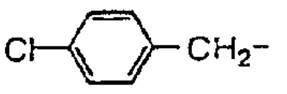
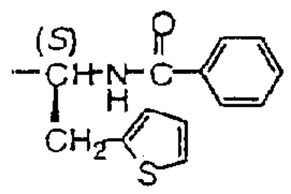
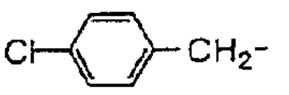
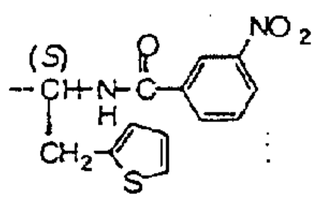
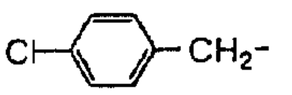
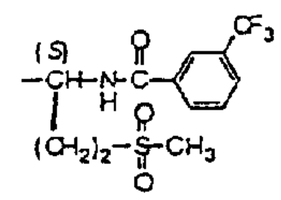
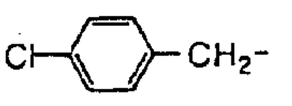
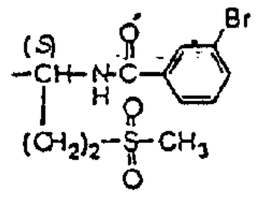
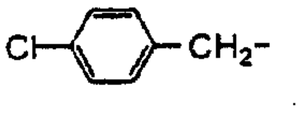
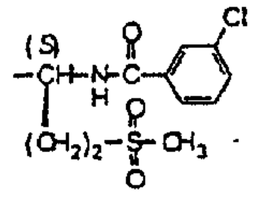
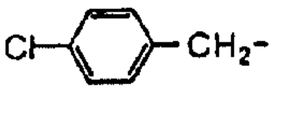
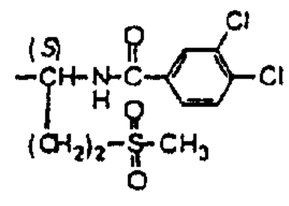
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 199 |  | 1 | 2 | 0 | R | H |  |
| 200 |  | 1 | 2 | 0 | R | H |  |
| 201 |  | 1 | 2 | 0 | R | H |  |
| 202 |  | 1 | 2 | 0 | R | H |  |
| 203 |  | 1 | 2 | 0 | R | H |  |
| 204 |  | 1 | 2 | 0 | R | H |  |
| 205 |  | 1 | 2 | 0 | R | H |  |
| 206 |  | 1 | 2 | 0 | R | H |  |
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| 208 |  | 1 | 2 | 0 | R | H |  |
| 209 |  | 1 | 2 | 0 | R | H |  |

Table 1.20

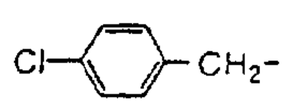
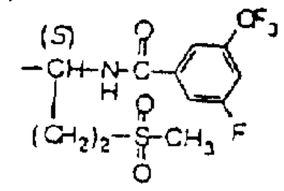
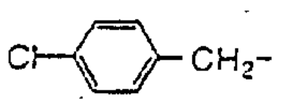
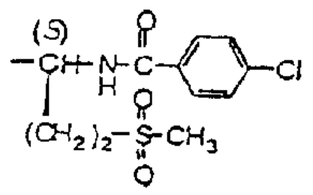
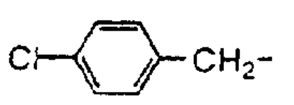
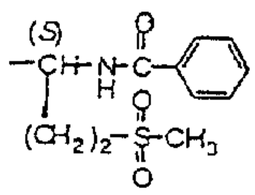
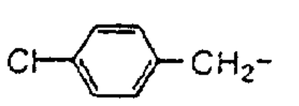
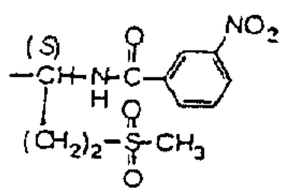
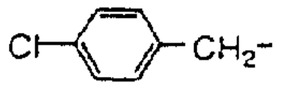
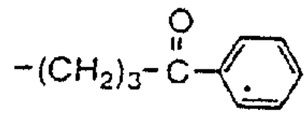
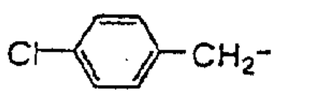
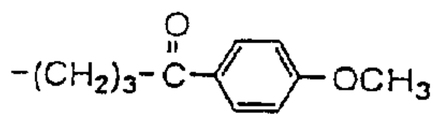
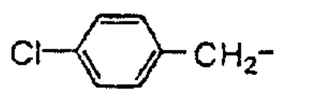
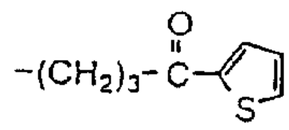
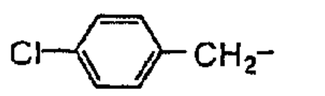
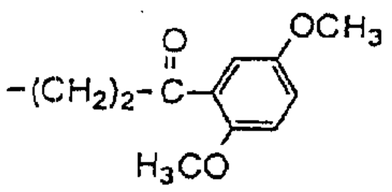
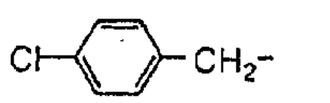
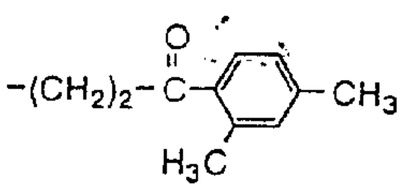
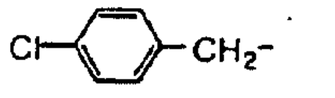
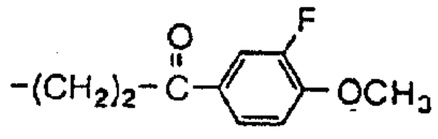
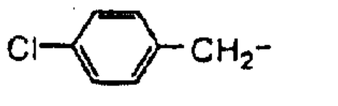
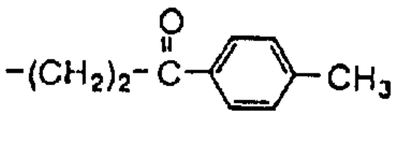
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 210 |  | 1 | 2 | 0 | R | H |  |
| 211 |  | 1 | 2 | 0 | R | H |  |
| 212 |  | 1 | 2 | 0 | R | H |  |
| 213 |  | 1 | 2 | 0 | R | H |  |
| 214 |  | 1 | 2 | 0 | - | H |  |
| 215 |  | 1 | 2 | 0 | - | H |  |
| 216 |  | 1 | 2 | 0 | - | H |  |
| 217 |  | 1 | 2 | 0 | - | H |  |
| 218 |  | 1 | 2 | 0 | - | H |  |
| 219 |  | 1 | 2 | 0 | - | H |  |
| 220 |  | 1 | 2 | 0 | - | H |  |

Table 1.21

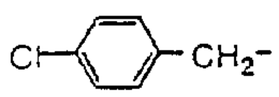
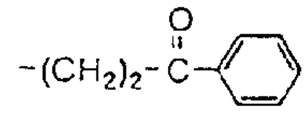
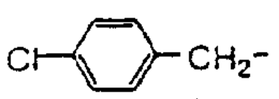
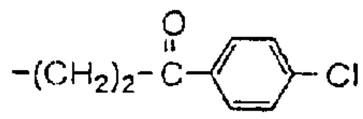
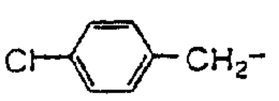
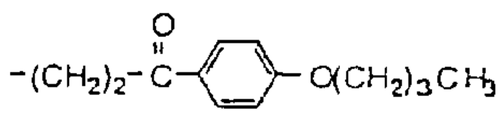
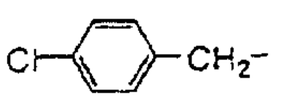
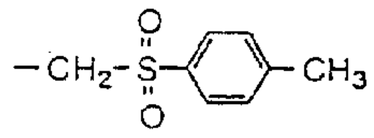
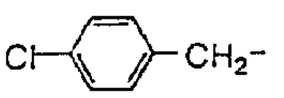
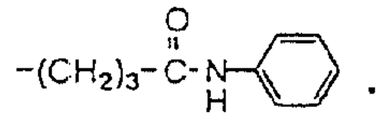
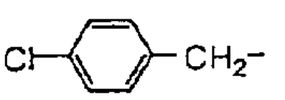
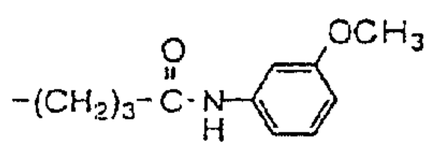
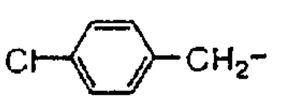
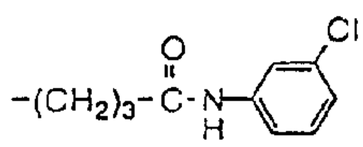
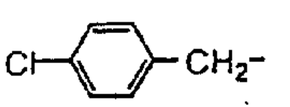
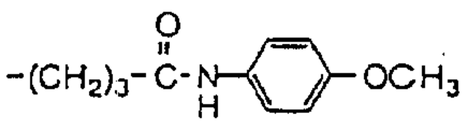
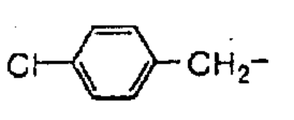
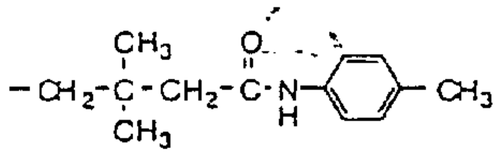
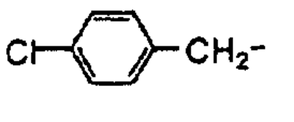
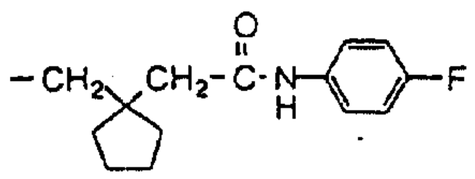
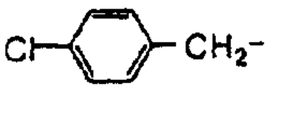
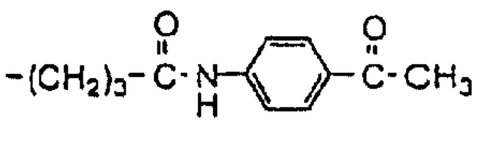
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 221 |  | 1 | 2 | 0 | - | H |  |
| 222 |  | 1 | 2 | 0 | - | H |  |
| 223 |  | 1 | 2 | 0 | - | H |  |
| 224 |  | 1 | 2 | 0 | - | H |  |
| 225 |  | 1 | 2 | 0 | - | H |  |
| 226 |  | 1 | 2 | 0 | - | H |  |
| 227 |  | 1 | 2 | 0 | - | H |  |
| 228 |  | 1 | 2 | 0 | - | H |  |
| 229 |  | 1 | 2 | 0 | - | H |  |
| 230 |  | 1 | 2 | 0 | - | H |  |
| 231 |  | 1 | 2 | 0 | - | H |  |

Table 1.22

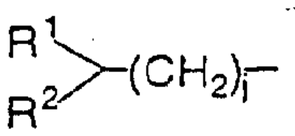
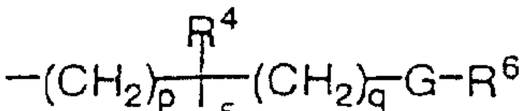
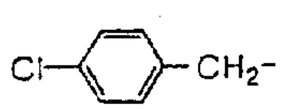
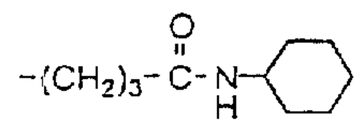
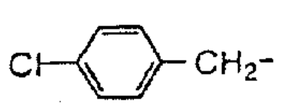
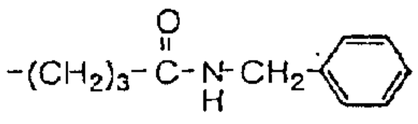
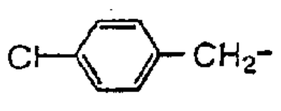
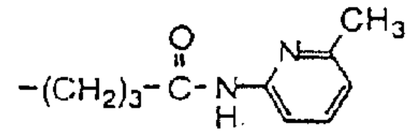
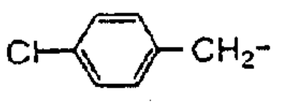
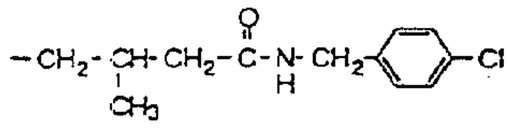
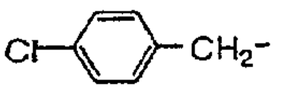
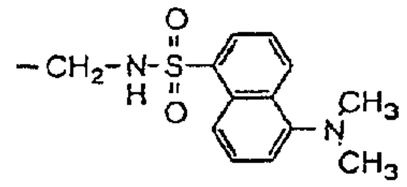
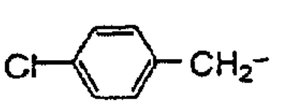
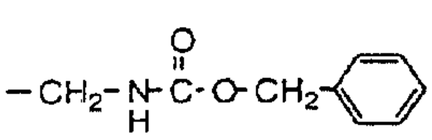
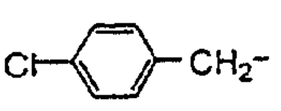
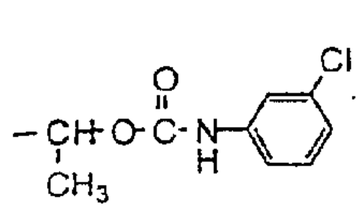
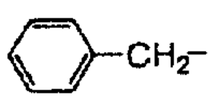
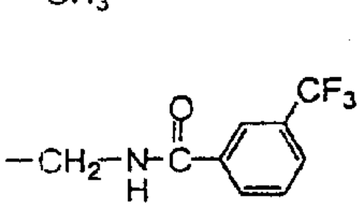
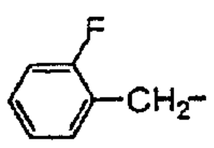
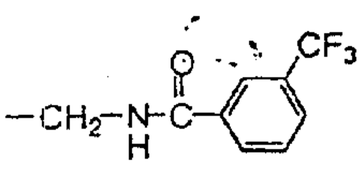
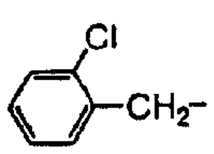
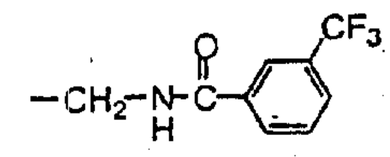
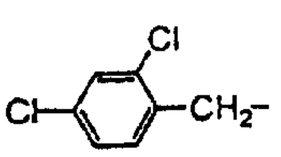
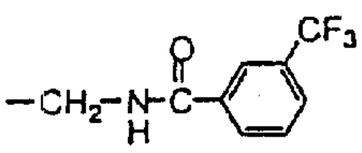
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 232 |  | 1 | 2 | 0 | - | H |  |
| 233 |  | 1 | 2 | 0 | - | H |  |
| 234 |  | 1 | 2 | 0 | - | H |  |
| 235 |  | 1 | 2 | 0 | - | H |  |
| 236 |  | 1 | 2 | 0 | - | H |  |
| 237 |  | 1 | 2 | 0 | - | H |  |
| 238 |  | 1 | 2 | 0 | - | H |  |
| 239 |  | 1 | 2 | 0 | S | H |  |
| 240 |  | 1 | 2 | 0 | S | H |  |
| 241 |  | 1 | 2 | 0 | S | H |  |
| 242 |  | 1 | 2 | 0 | S | H |  |

Table 1.23

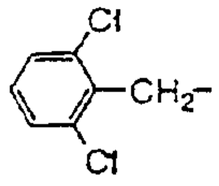
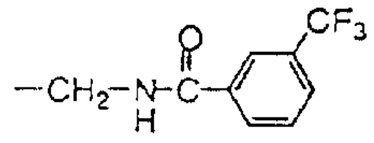
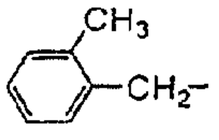
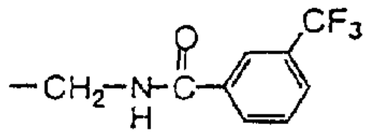
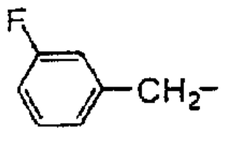
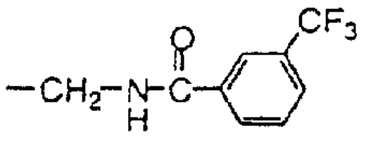
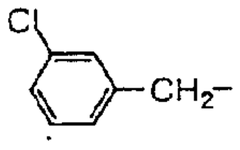
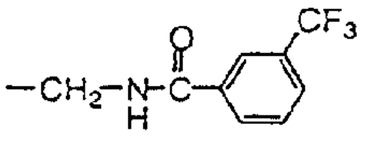
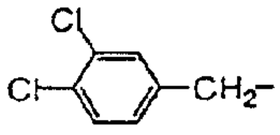
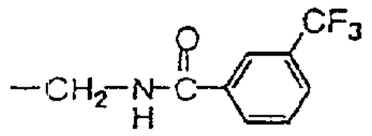
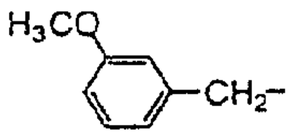
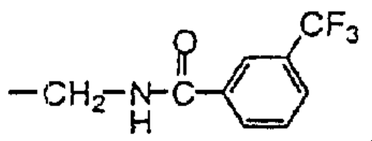
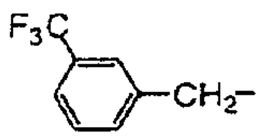
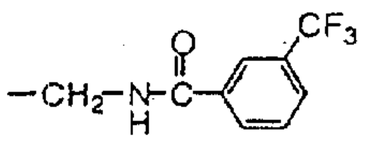
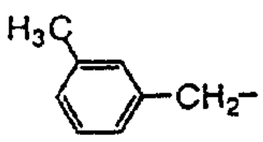
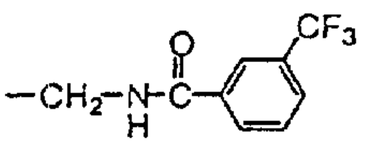
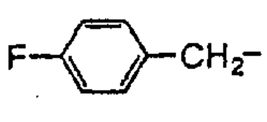
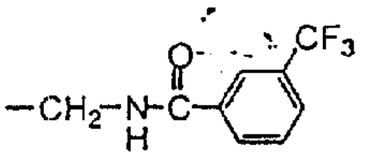
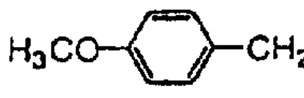
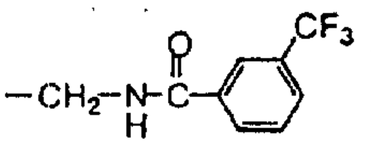
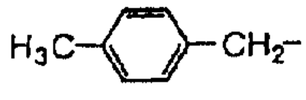
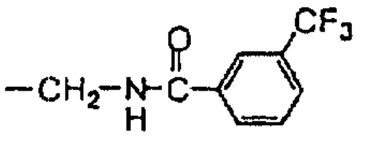
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 243 |  | 1 | 2 | 0 | S | H |  |
| 244 |  | 1 | 2 | 0 | S | H |  |
| 245 |  | 1 | 2 | 0 | S | H |  |
| 246 |  | 1 | 2 | 0 | S | H |  |
| 247 |  | 1 | 2 | 0 | S | H |  |
| 248 |  | 1 | 2 | 0 | S | H |  |
| 249 |  | 1 | 2 | 0 | S | H |  |
| 250 |  | 1 | 2 | 0 | S | H |  |
| 251 |  | 1 | 2 | 0 | S | H |  |
| 252 |  | 1 | 2 | 0 | S | H |  |
| 253 |  | 1 | 2 | 0 | S | H |  |

Table 1.24

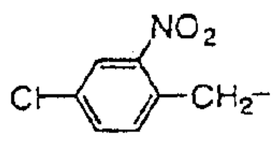
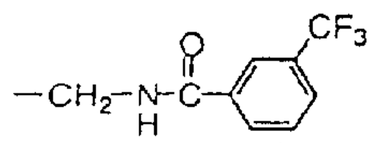
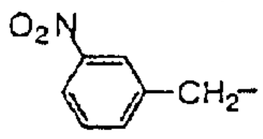
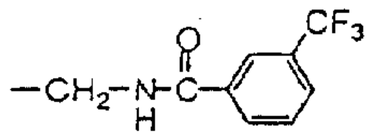
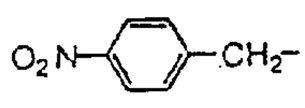
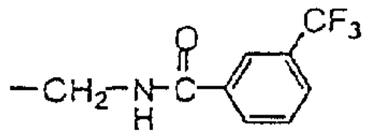
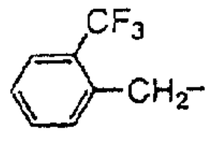
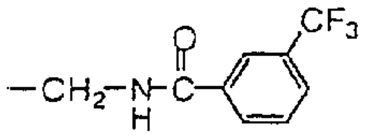
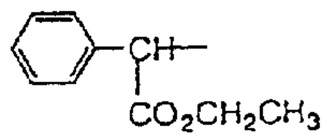
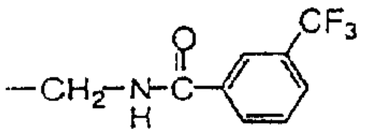
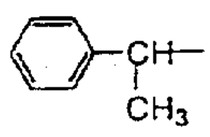
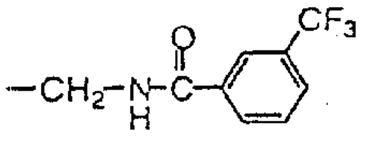
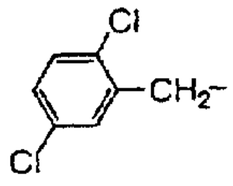
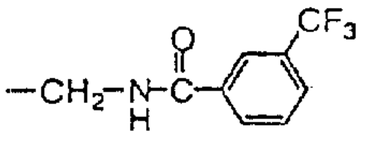
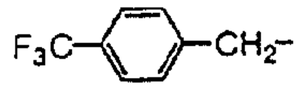
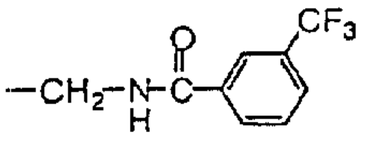
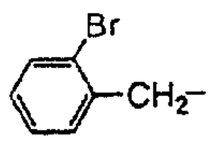
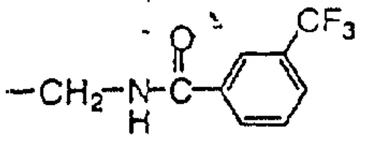
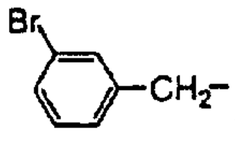
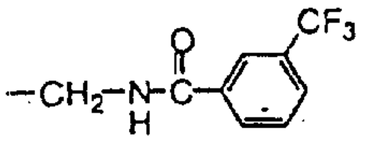
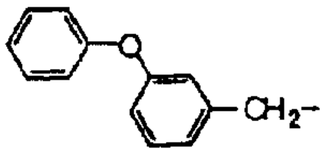
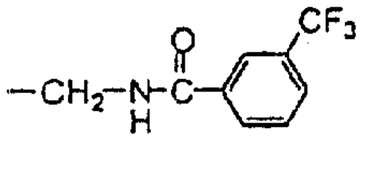
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 254 |  | 1 | 2 | 0 | S | H |  |
| 255 |  | 1 | 2 | 0 | S | H |  |
| 256 |  | 1 | 2 | 0 | S | H |  |
| 257 |  | 1 | 2 | 0 | S | H |  |
| 258 |  | 1 | 2 | 0 | S | H |  |
| 259 |  | 1 | 2 | 0 | S | H |  |
| 260 |  | 1 | 2 | 0 | S | H |  |
| 261 |  | 1 | 2 | 0 | S | H |  |
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| 264 |  | 1 | 2 | 0 | S | H |  |

Table 1.25

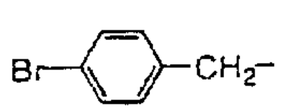
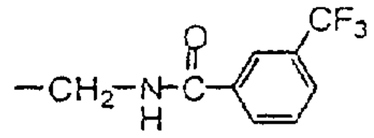
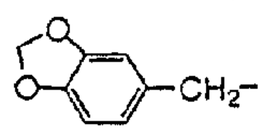
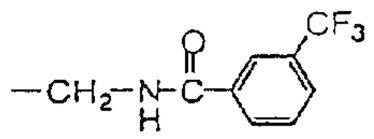
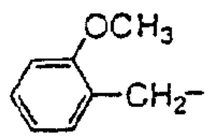
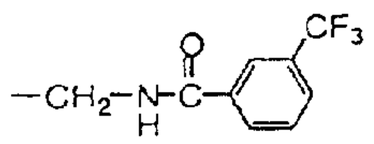
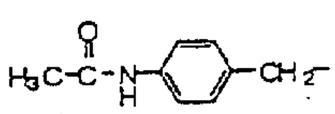
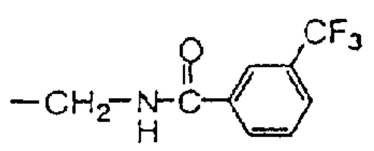
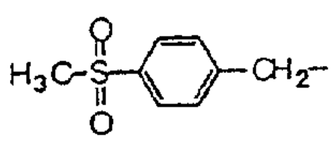
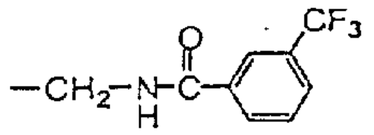
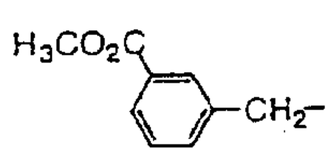
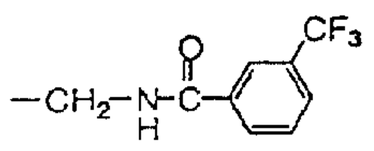
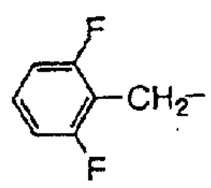
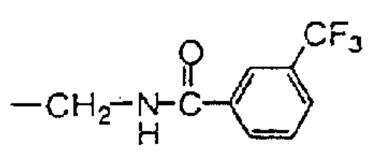
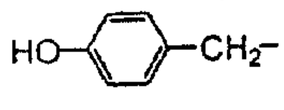
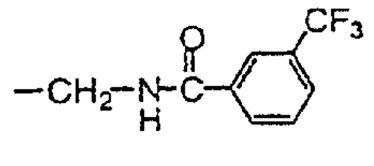
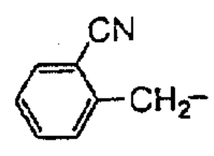
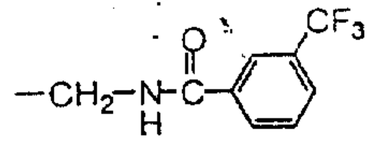
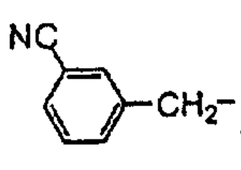
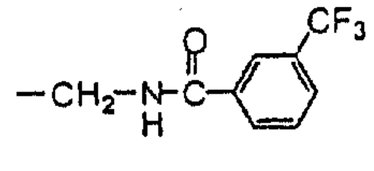
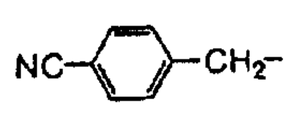
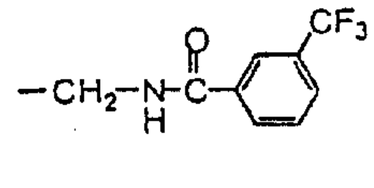
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 265 |  | 1 | 2 | 0 | S | H |  |
| 266 |  | 1 | 2 | 0 | S | H |  |
| 267 |  | 1 | 2 | 0 | S | H |  |
| 268 |  | 1 | 2 | 0 | S | H |  |
| 269 |  | 1 | 2 | 0 | S | H |  |
| 270 |  | 1 | 2 | 0 | S | H |  |
| 271 |  | 1 | 2 | 0 | S | H |  |
| 272 |  | 1 | 2 | 0 | S | H |  |
| 273 |  | 1 | 2 | 0 | S | H |  |
| 274 |  | 1 | 2 | 0 | S | H |  |
| 275 |  | 1 | 2 | 0 | S | H |  |

Table 1.26

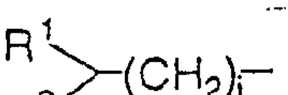
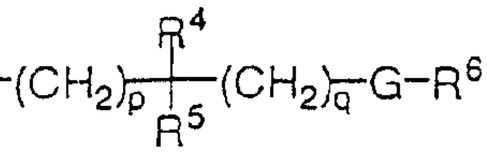
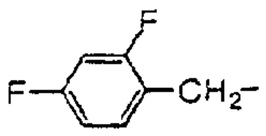
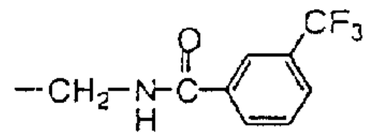
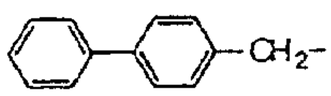
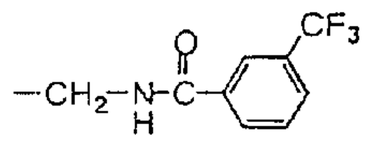
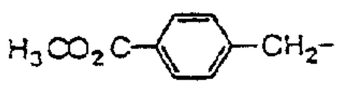
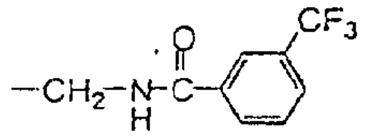
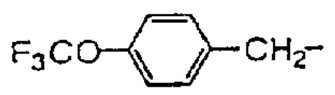
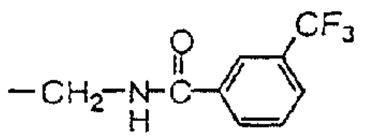
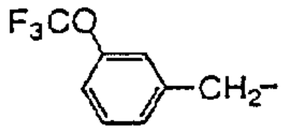
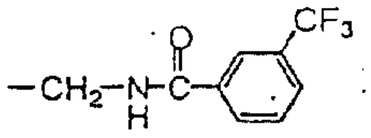
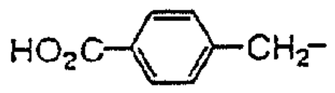
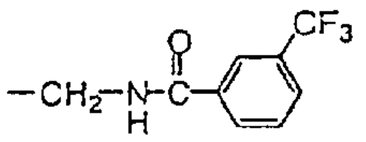
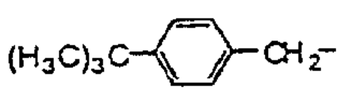
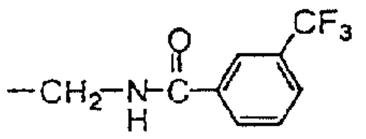
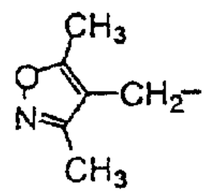
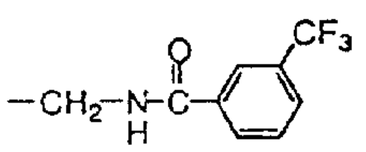
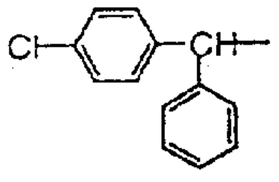
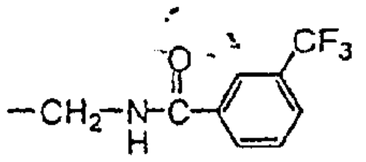
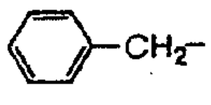
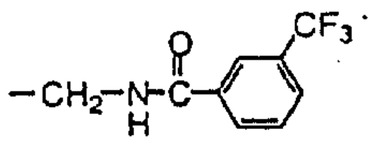
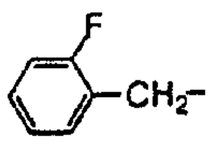
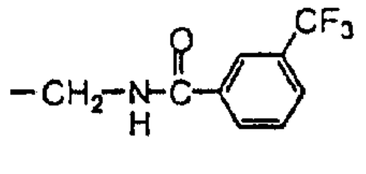
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
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| 277 |  | 1 | 2 | 0 | S | H |  |
| 278 |  | 1 | 2 | 0 | S | H |  |
| 279 |  | 1 | 2 | 0 | S | H |  |
| 280 |  | 1 | 2 | 0 | S | H |  |
| 281 |  | 1 | 2 | 0 | S | H |  |
| 282 |  | 1 | 2 | 0 | S | H |  |
| 283 |  | 1 | 2 | 0 | S | H |  |
| 284 |  | 1 | 2 | 0 | S | H |  |
| 285 |  | 1 | 2 | 0 | R | H |  |
| 286 |  | 1 | 2 | 0 | R | H |  |

Table 1.27

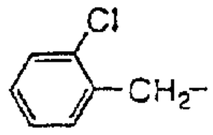
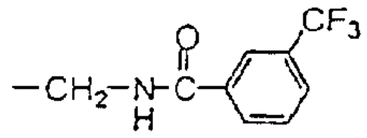
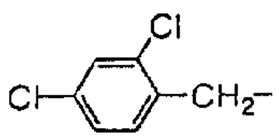
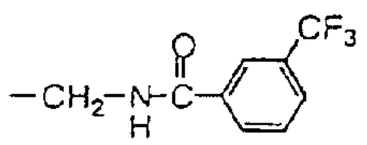
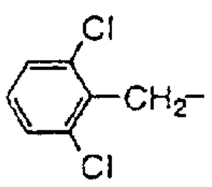
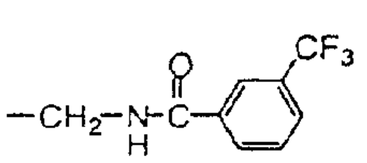
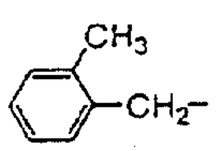
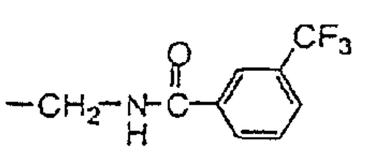
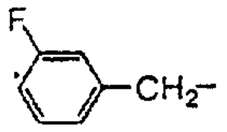
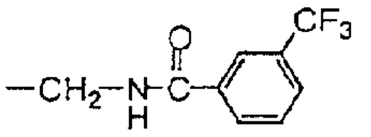
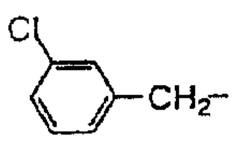
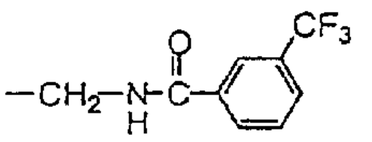
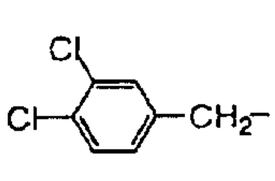
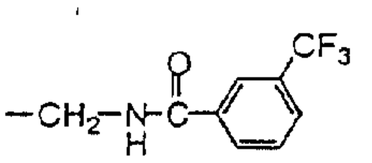
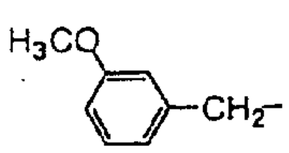
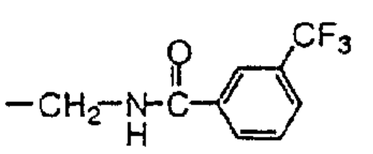
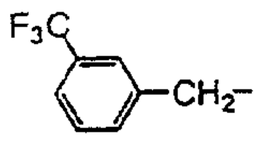
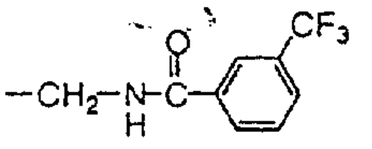
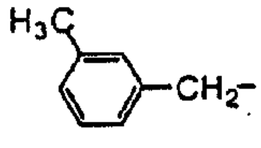
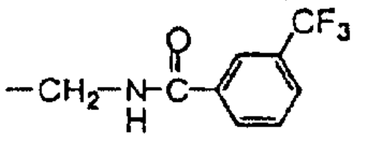
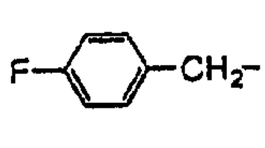
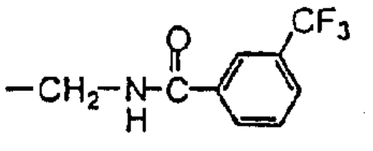
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 287 |  | 1 | 2 | 0 | R | H |  |
| 288 |  | 1 | 2 | 0 | R | H |  |
| 289 |  | 1 | 2 | 0 | R | H |  |
| 290 |  | 1 | 2 | 0 | R | H |  |
| 291 |  | 1 | 2 | 0 | R | H |  |
| 292 |  | 1 | 2 | 0 | R | H |  |
| 293 |  | 1 | 2 | 0 | R | H |  |
| 294 |  | 1 | 2 | 0 | R | H |  |
| 295 |  | 1 | 2 | 0 | R | H |  |
| 296 |  | 1 | 2 | 0 | R | H |  |
| 297 |  | 1 | 2 | 0 | R | H |  |

Table 1.28

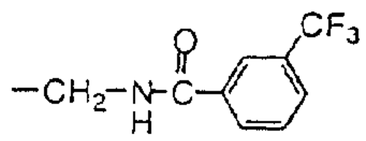
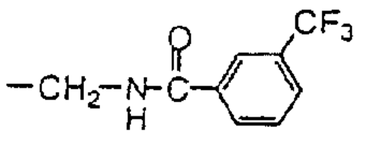
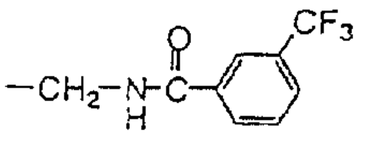
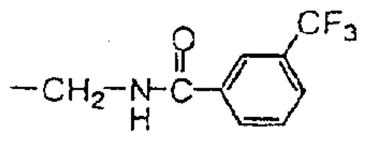
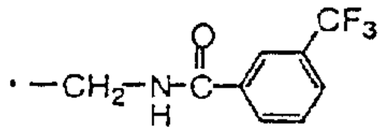
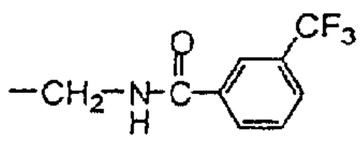
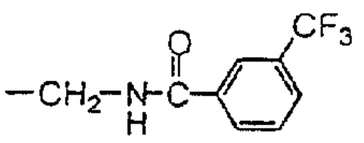
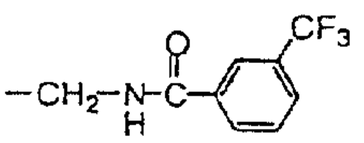
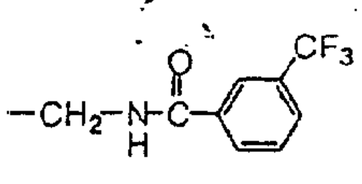
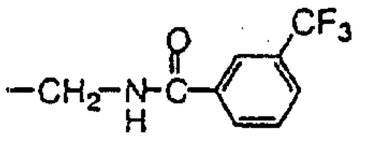
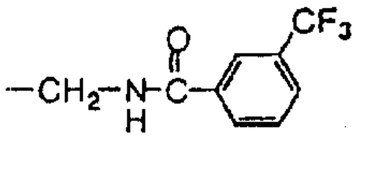
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 298 | $H_3CO$-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 299 | $H_3C$-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 300 | Cl, $NO_2$-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 301 | $O_2N$-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 302 | $O_2N$-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 303 | $CF_3$-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 304 | Ph-CH($CO_2CH_2CH_3$)- | 1 | 2 | 0 | R | H |  |
| 305 | Ph-CH($CH_3$)- | 1 | 2 | 0 | R | H |  |
| 306 | Cl, Cl-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 307 | $F_3C$-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 308 | Br-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |

Table 1.29

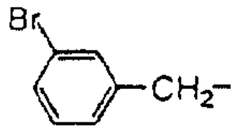
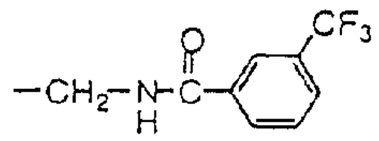
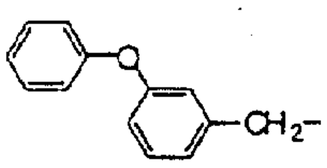
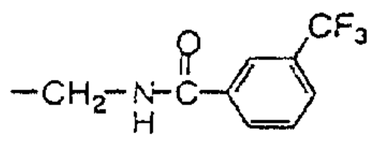
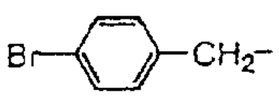
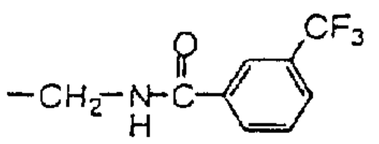
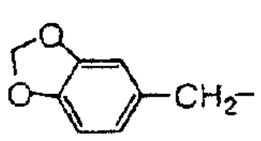
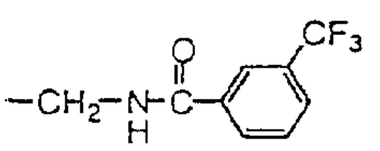
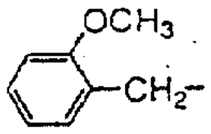
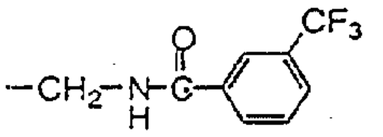
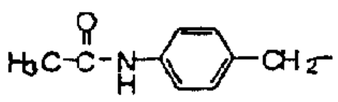
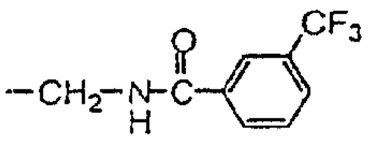
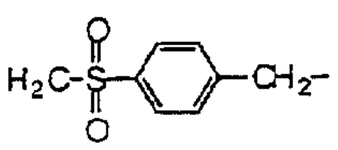
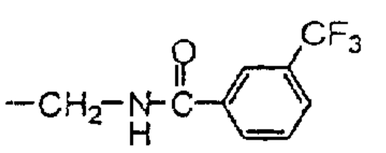
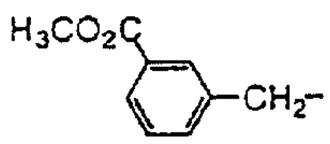
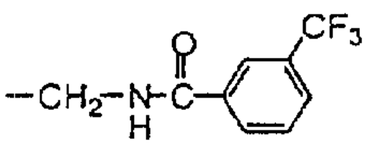
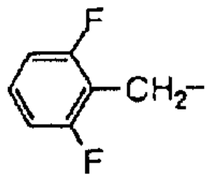
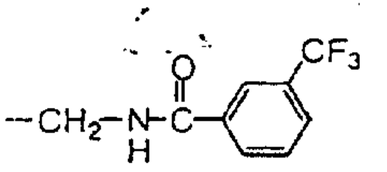
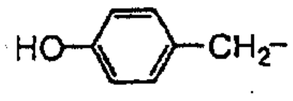
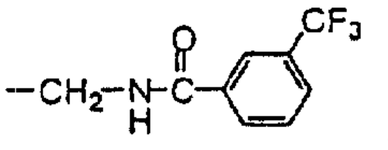
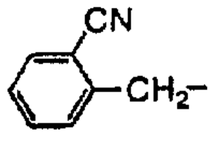
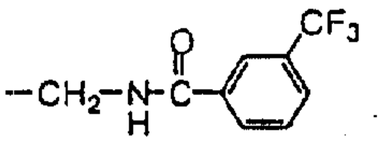
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 309 |  | 1 | 2 | 0 | R | H |  |
| 310 |  | 1 | 2 | 0 | R | H |  |
| 311 |  | 1 | 2 | 0 | R | H |  |
| 312 |  | 1 | 2 | 0 | R | H |  |
| 313 |  | 1 | 2 | 0 | R | H |  |
| 314 |  | 1 | 2 | 0 | R | H |  |
| 315 |  | 1 | 2 | 0 | R | H |  |
| 316 |  | 1 | 2 | 0 | R | H |  |
| 317 |  | 1 | 2 | 0 | R | H |  |
| 318 |  | 1 | 2 | 0 | R | H |  |
| 319 |  | 1 | 2 | 0 | R | H |  |

Table 1.30

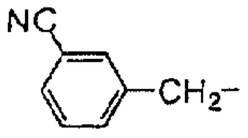
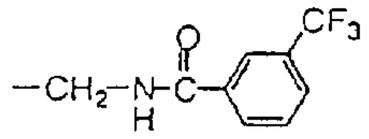
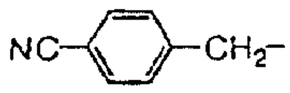
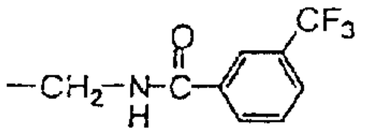
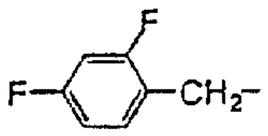
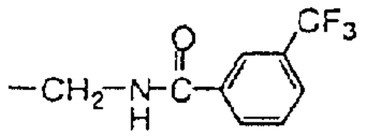
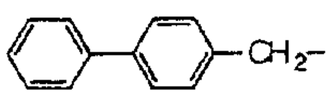
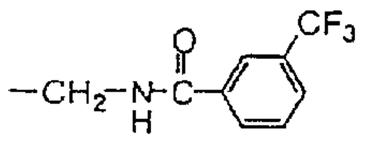
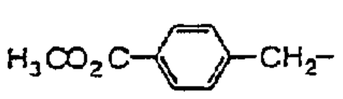
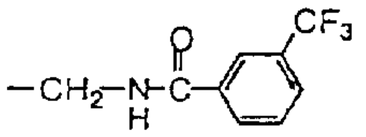
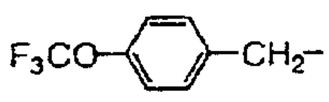
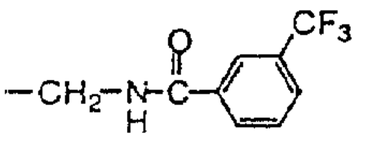
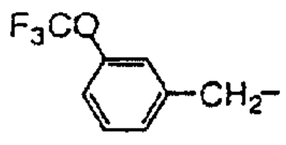
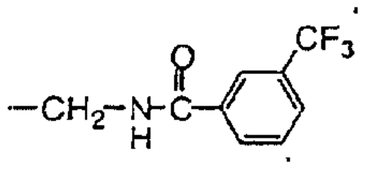
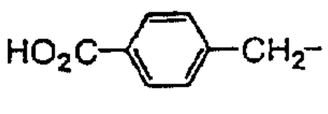
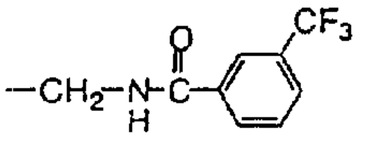
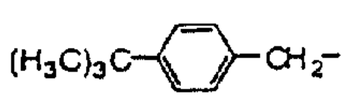
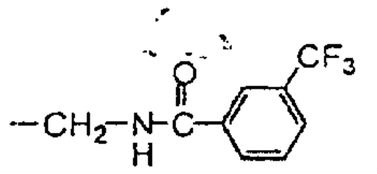
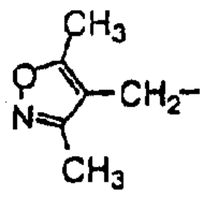
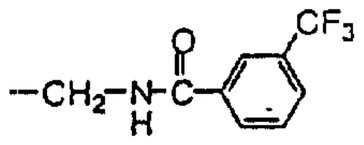
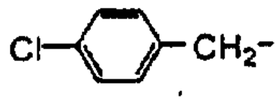
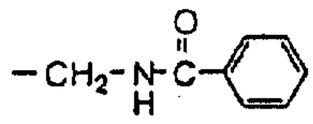
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 320 |  | 1 | 2 | 0 | R | H |  |
| 321 |  | 1 | 2 | 0 | R | H |  |
| 322 |  | 1 | 2 | 0 | R | H |  |
| 323 |  | 1 | 2 | 0 | R | H |  |
| 324 |  | 1 | 2 | 0 | R | H |  |
| 325 |  | 1 | 2 | 0 | R | H |  |
| 326 |  | 1 | 2 | 0 | R | H |  |
| 327 |  | 1 | 2 | 0 | R | H |  |
| 328 |  | 1 | 2 | 0 | R | H |  |
| 329 |  | 1 | 2 | 0 | R | H |  |
| 330 |  | 0 | 3 | 1 | - | H |  |

Table 1.31

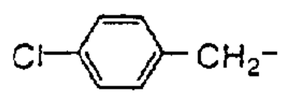
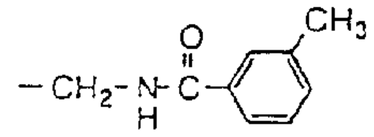
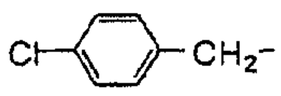
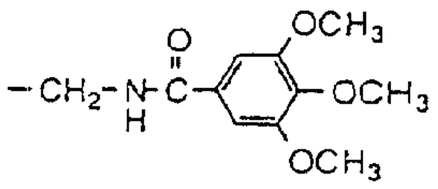
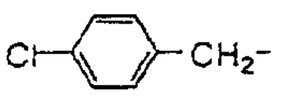
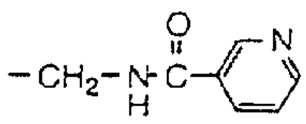
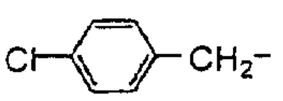
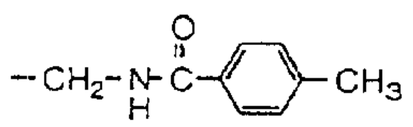
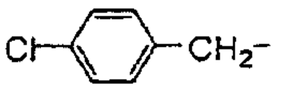
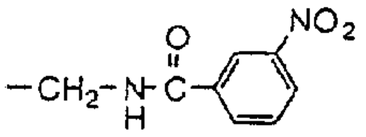
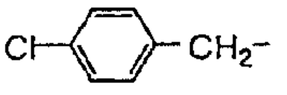
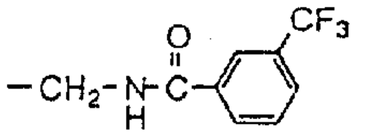
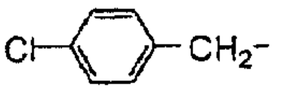
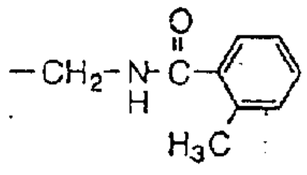
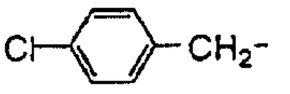
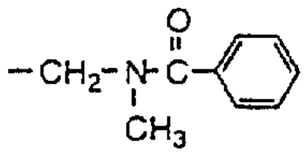
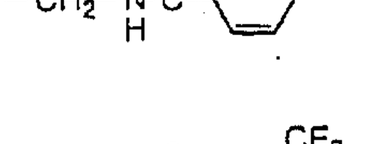
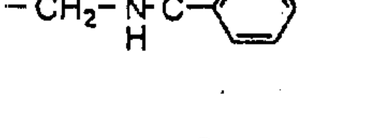
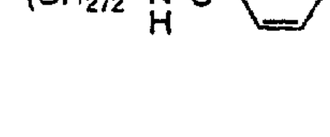
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 331 |  | 0 | 3 | 1 | - | H |  |
| 332 |  | 0 | 3 | 1 | - | H |  |
| 333 |  | 0 | 3 | 1 | - | H |  |
| 334 |  | 0 | 3 | 1 | - | H |  |
| 335 |  | 0 | 3 | 1 | - | H |  |
| 336 |  | 0 | 3 | 1 | - | H |  |
| 337 |  | 0 | 3 | 1 | - | H |  |
| 338 |  | 0 | 3 | 1 | - | H |  |
| 339 |  | 0 | 3 | 1 | R | H |  |
| 340 |  | 0 | 3 | 1 | S | H |  |
| 341 |  | 0 | 3 | 1 | - | H |  |

Table 1.32

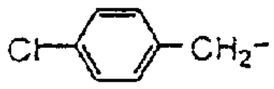
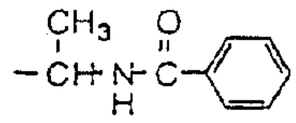
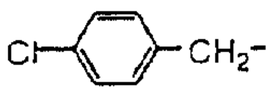
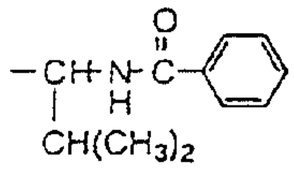
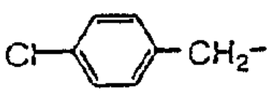
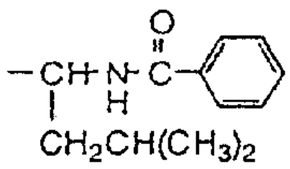
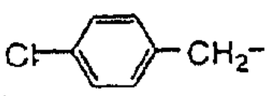
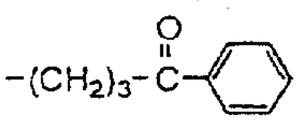
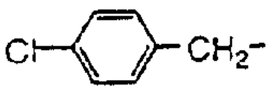
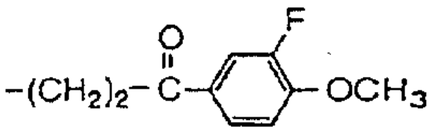
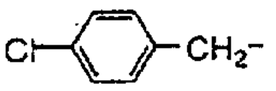
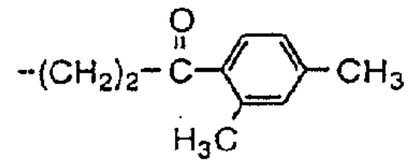
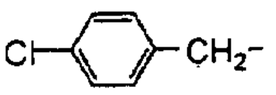
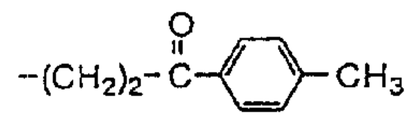
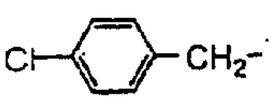
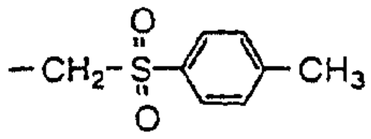
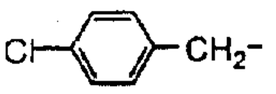
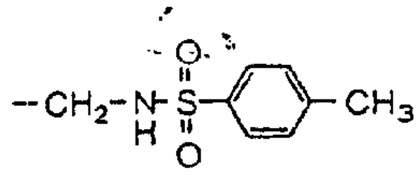
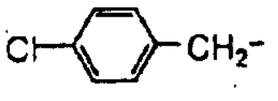
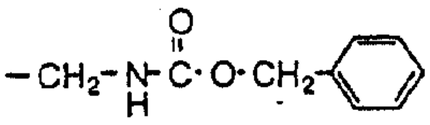
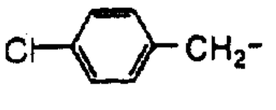
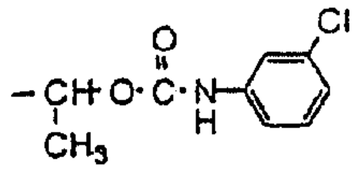
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 342 |  | 0 | 3 | 1 | - | H |  |
| 343 |  | 0 | 3 | 1 | - | H |  |
| 344 |  | 0 | 3 | 1 | - | H |  |
| 345 |  | 0 | 3 | 1 | - | H |  |
| 346 |  | 0 | 3 | 1 | - | H |  |
| 347 |  | 0 | 3 | 1 | - | H |  |
| 348 |  | 0 | 3 | 1 | - | H |  |
| 349 |  | 0 | 3 | 1 | - | H |  |
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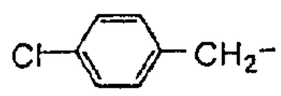
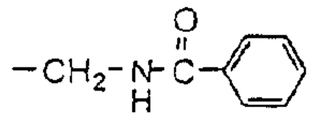
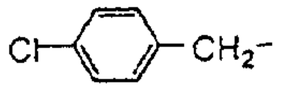
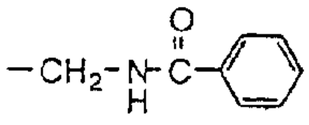
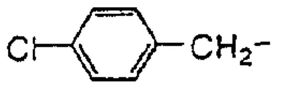
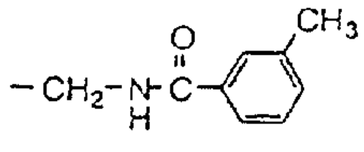
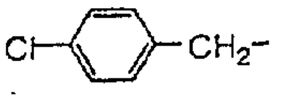
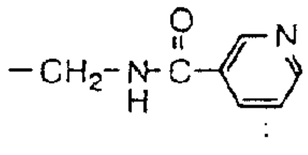
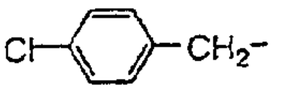
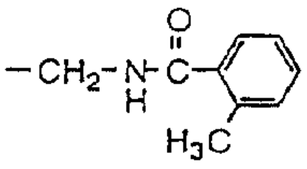
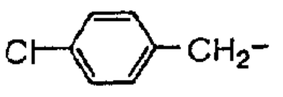
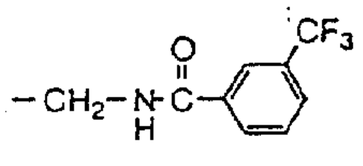
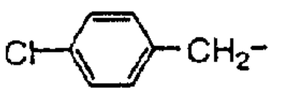
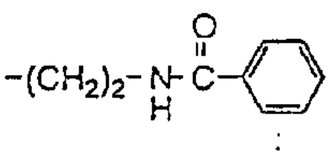
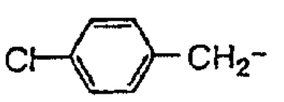
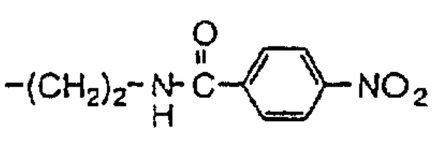
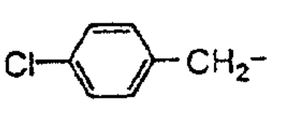
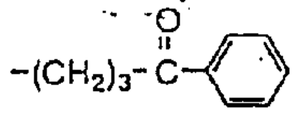
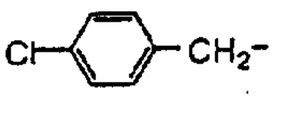
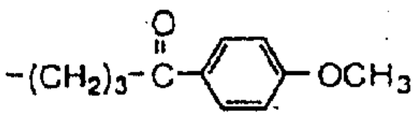
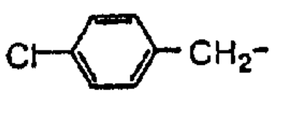
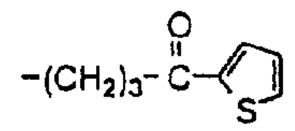
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 353 |  | 1 | 2 | 1 | - | H |  |
| 354 |  | 1 | 3 | 0 | - | H |  |
| 355 |  | 1 | 3 | 0 | - | H |  |
| 356 |  | 1 | 3 | 0 | - | H |  |
| 357 |  | 1 | 3 | 0 | - | H |  |
| 358 |  | 1 | 3 | 0 | - | H |  |
| 359 |  | 1 | 3 | 0 | - | H |  |
| 360 |  | 1 | 3 | 0 | - | H |  |
| 361 |  | 1 | 3 | 0 | - | H |  |
| 362 |  | 1 | 3 | 0 | - | H |  |
| 363 |  | 1 | 3 | 0 | - | H |  |

Table 1.34

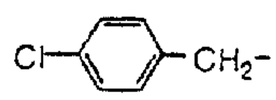
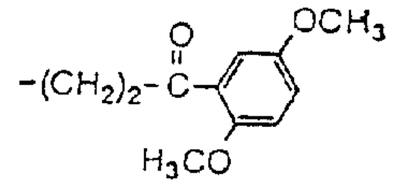
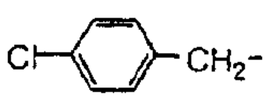
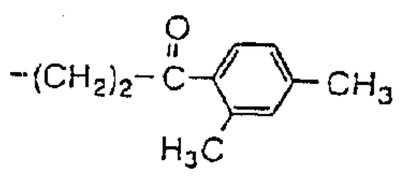
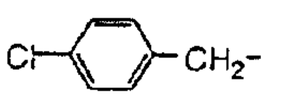
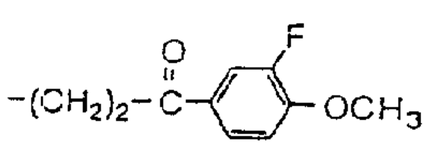
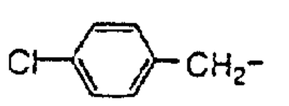
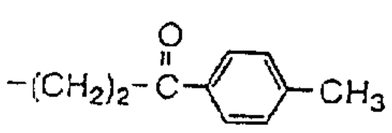
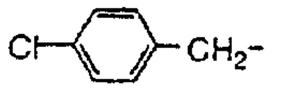
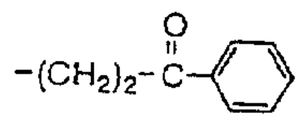
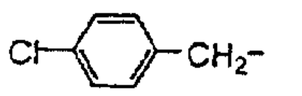
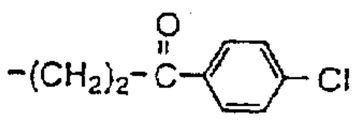
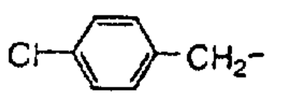
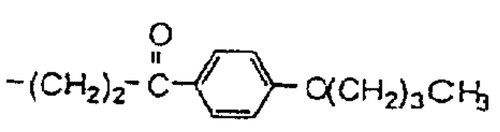
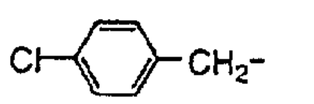
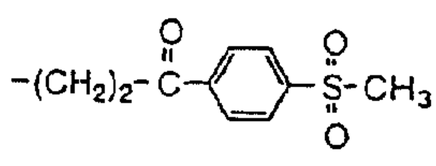
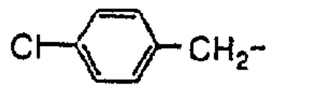
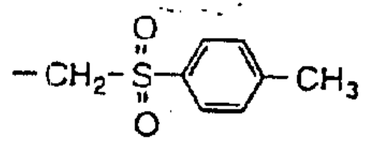
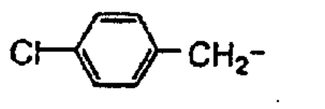
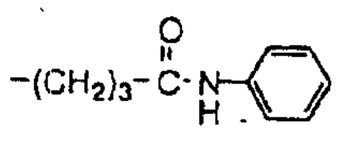
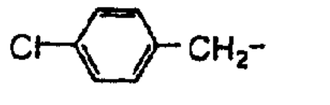
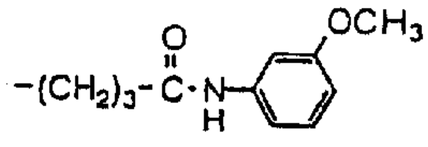
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 364 |  | 1 | 3 | 0 | - | H |  |
| 365 |  | 1 | 3 | 0 | - | H |  |
| 366 |  | 1 | 3 | 0 | - | H |  |
| 367 |  | 1 | 3 | 0 | - | H |  |
| 368 |  | 1 | 3 | 0 | - | H |  |
| 369 |  | 1 | 3 | 0 | - | H |  |
| 370 |  | 1 | 3 | 0 | - | H |  |
| 371 |  | 1 | 3 | 0 | - | H |  |
| 372 |  | 1 | 3 | 0 | - | H |  |
| 373 |  | 1 | 3 | 0 | - | H |  |
| 374 |  | 1 | 3 | 0 | - | H |  |

Table 1.35

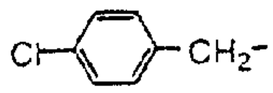
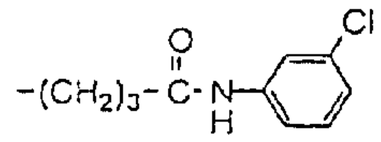
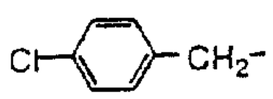
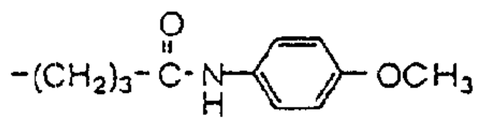
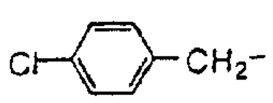
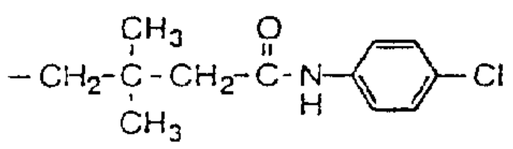
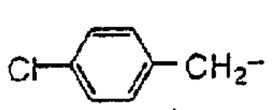
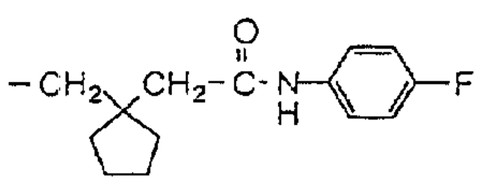
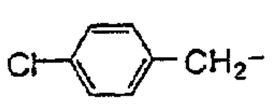
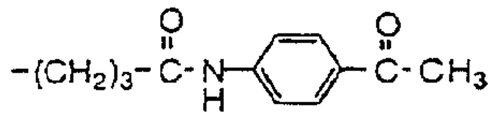
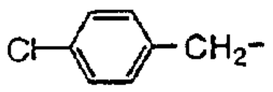
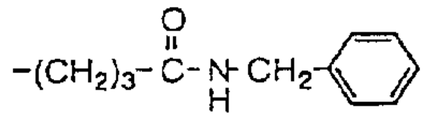
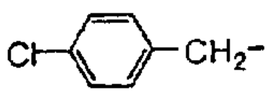
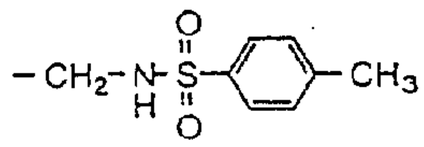
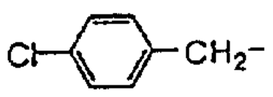
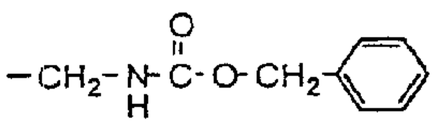
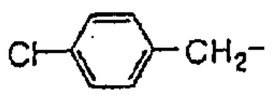
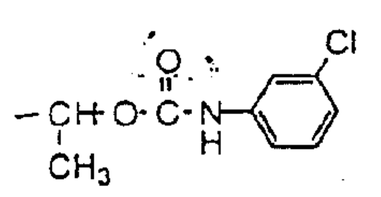
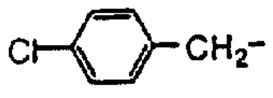
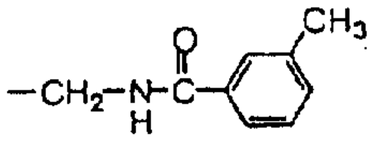
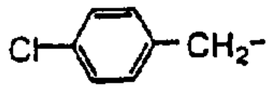
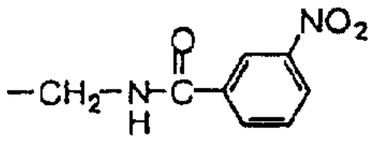
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 375 |  | 1 | 3 | 0 | - | H |  |
| 376 |  | 1 | 3 | 0 | - | H |  |
| 377 |  | 1 | 3 | 0 | - | H |  |
| 378 |  | 1 | 3 | 0 | - | H |  |
| 379. |  | 1 | 3 | 0 | - | H |  |
| 380 |  | 1 | 3 | 0 | - | H |  |
| 381 |  | 1 | 3 | 0 | - | H |  |
| 382 |  | 1 | 3 | 0 | - | H |  |
| 383 |  | 1 | 3 | 0 | - | H |  |
| 384 |  | 2 | 2 | 0 | - | H |  |
| 385 |  | 2 | 2 | 0 | - | H |  |

Table 1.36

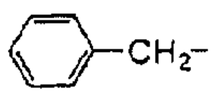
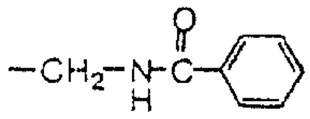
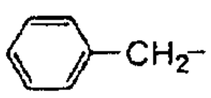
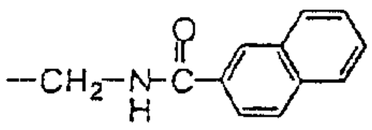
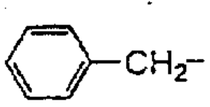
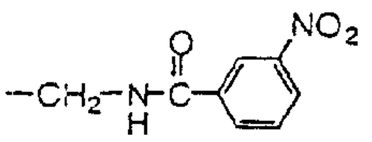
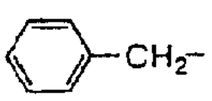
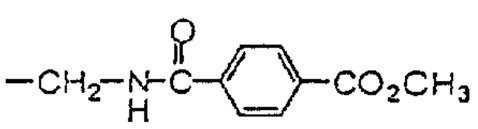
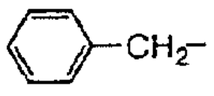
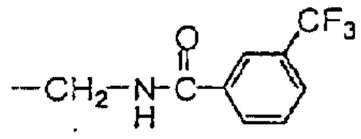
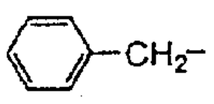
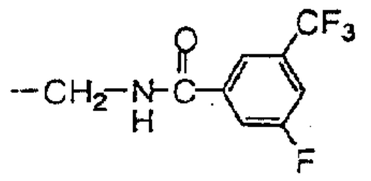
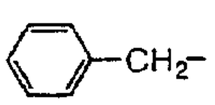
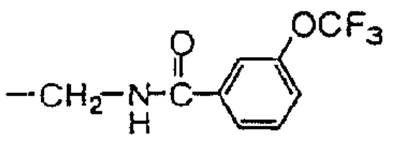
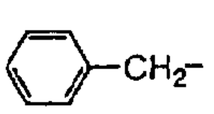
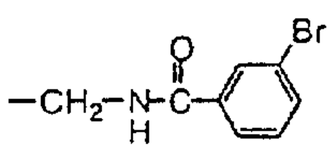
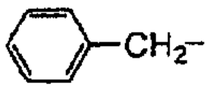
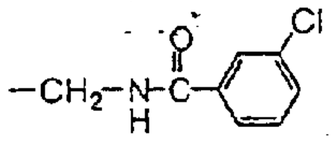
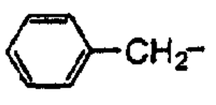
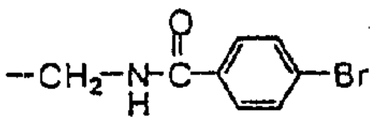
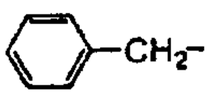
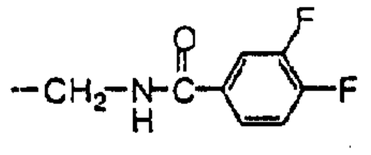
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-$ $R^4$, $R^5$ $-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 386 |  | 2 | 2 | 0 | - | H |  |
| 387 |  | 2 | 2 | 0 | - | H |  |
| 388 |  | 2 | 2 | 0 | - | H |  |
| 389 |  | 2 | 2 | 0 | - | H |  |
| 390 |  | 2 | 2 | 0 | - | H |  |
| 391 |  | 2 | 2 | 0 | - | H |  |
| 392 |  | 2 | 2 | 0 | - | H |  |
| 393 |  | 2 | 2 | 0 | - | H |  |
| 394 |  | 2 | 2 | 0 | - | H |  |
| 395 |  | 2 | 2 | 0 | - | H |  |
| 396 |  | 2 | 2 | 0 | - | H |  |

Table 1.37

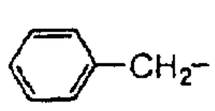
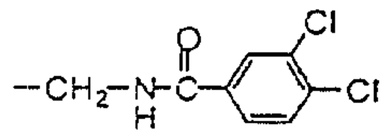
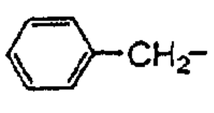
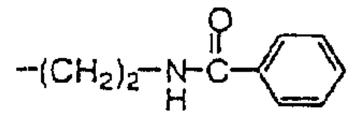
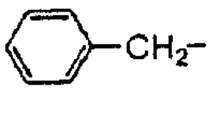
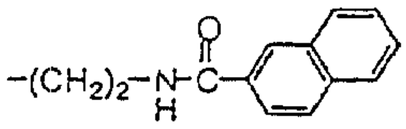
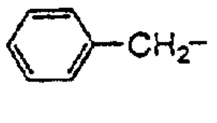
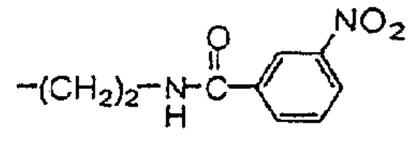
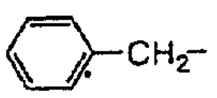
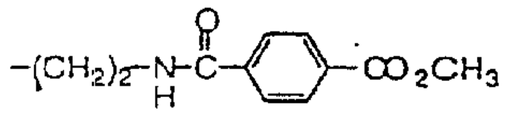
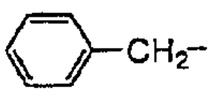
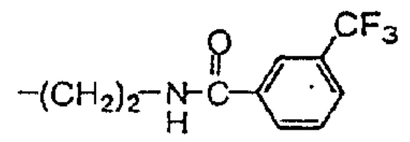
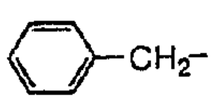
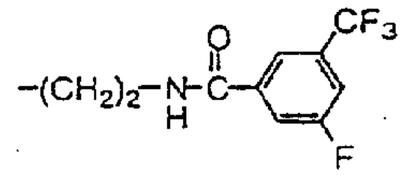
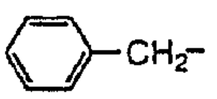
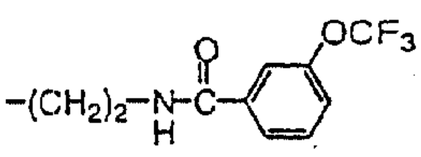
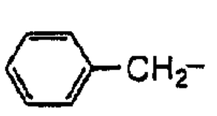
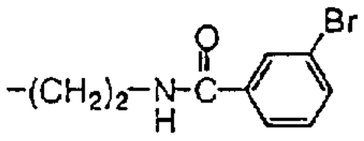
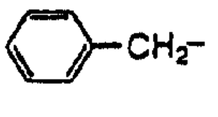
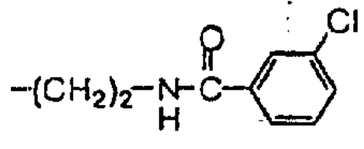
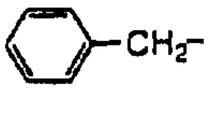
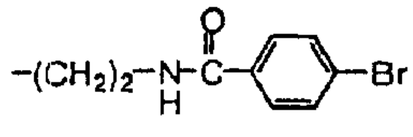
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 397 |  | 2 | 2 | 0 | - | H |  |
| 398 |  | 2 | 2 | 0 | - | H |  |
| 399 |  | 2 | 2 | 0 | - | H |  |
| 400 |  | 2 | 2 | 0 | - | H |  |
| 401 |  | 2 | 2 | 0 | - | H |  |
| 402 |  | 2 | 2 | 0 | - | H |  |
| 403 |  | 2 | 2 | 0 | - | H |  |
| 404 |  | 2 | 2 | 0 | - | H |  |
| 405 |  | 2 | 2 | 0 | - | H |  |
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| 407 |  | 2 | 2 | 0 | - | H |  |

Table 1.38

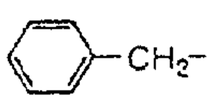
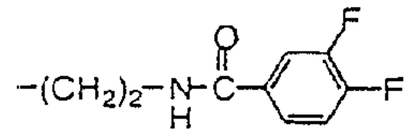
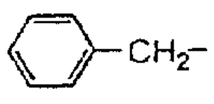
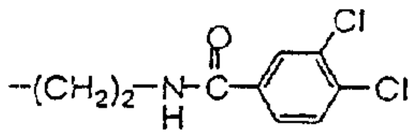
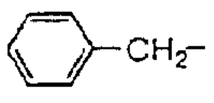
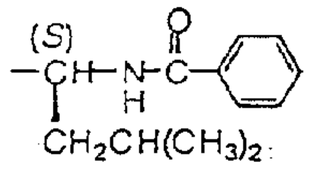
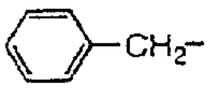
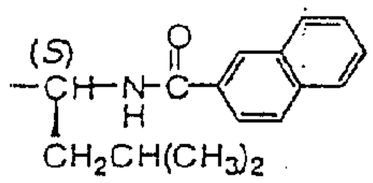
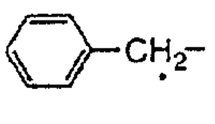
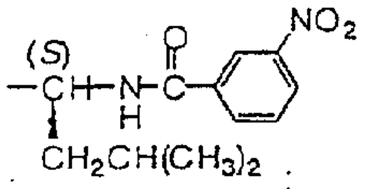
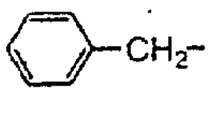
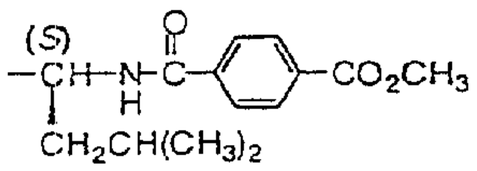
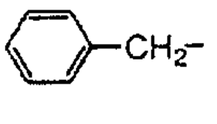
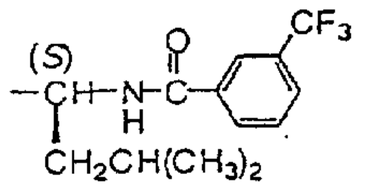
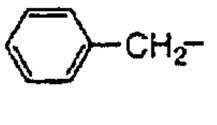
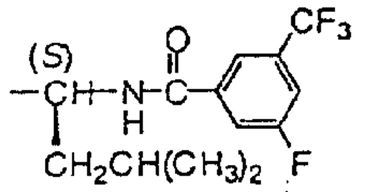
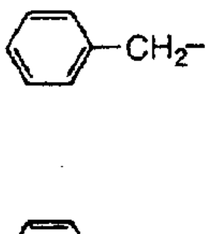
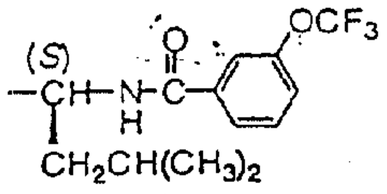
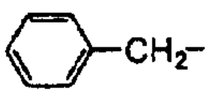
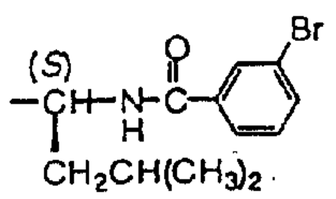
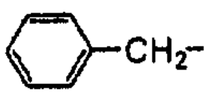
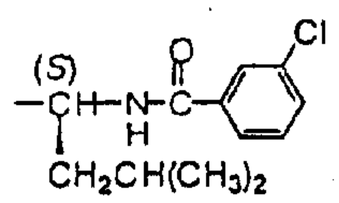
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 408 |  | 2 | 2 | 0 | - | H |  |
| 409 |  | 2 | 2 | 0 | - | H |  |
| 410 |  | 2 | 2 | 0 | - | H |  |
| 411 |  | 2 | 2 | 0 | - | H |  |
| 412 |  | 2 | 2 | 0 | - | H |  |
| 413 |  | 2 | 2 | 0 | - | H |  |
| 414 |  | 2 | 2 | 0 | - | H |  |
| 415 |  | 2 | 2 | 0 | - | H |  |
| 416 |  | 2 | 2 | 0 | - | H |  |
| 417 |  | 2 | 2 | 0 | - | H |  |
| 418 |  | 2 | 2 | 0 | - | H |  |

Table 1.39

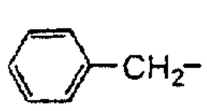
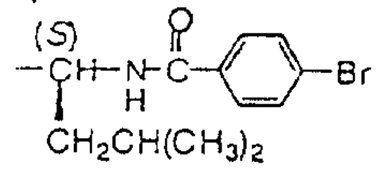
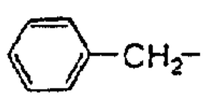
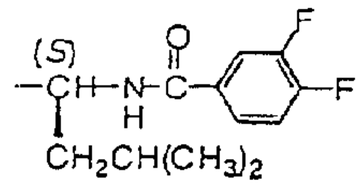
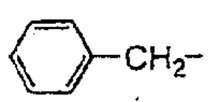
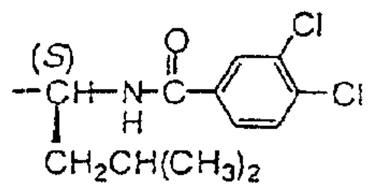
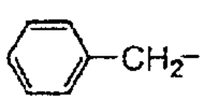
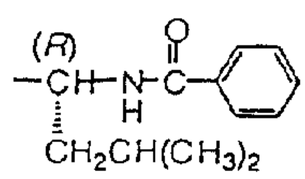
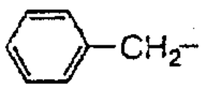
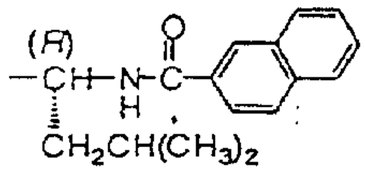
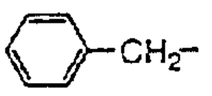
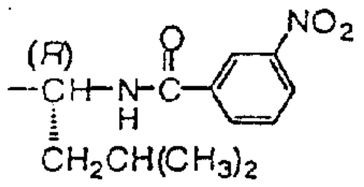
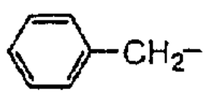
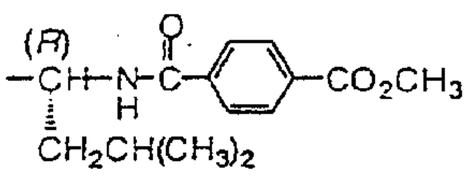
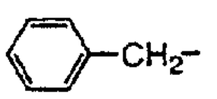
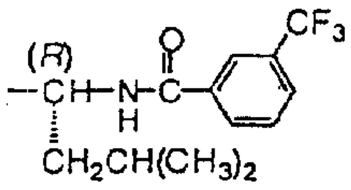
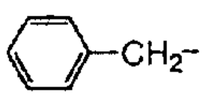
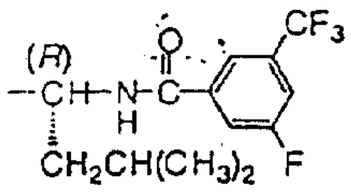
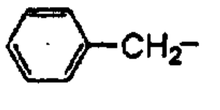
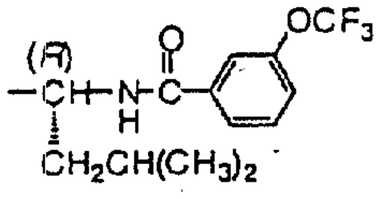
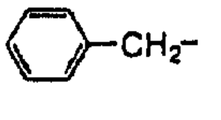
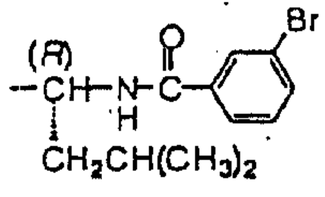
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 419 |  | 2 | 2 | 0 | - | H |  |
| 420 |  | 2 | 2 | 0 | - | H |  |
| 421 |  | 2 | 2 | 0 | - | H |  |
| 422 |  | 2 | 2 | 0 | - | H |  |
| 423 |  | 2 | 2 | 0 | - | H |  |
| 424 |  | 2 | 2 | 0 | - | H |  |
| 425 |  | 2 | 2 | 0 | - | H |  |
| 426 |  | 2 | 2 | 0 | - | H |  |
| 427 |  | 2 | 2 | 0 | - | H |  |
| 428 |  | 2 | 2 | 0 | - | H |  |
| 429 |  | 2 | 2 | 0 | - | H |  |

Table 1.40

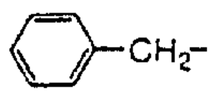
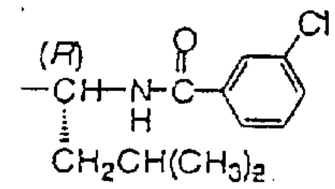
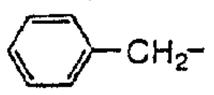
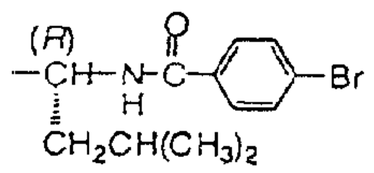
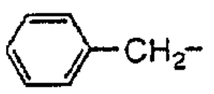
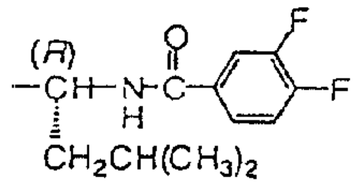
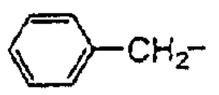
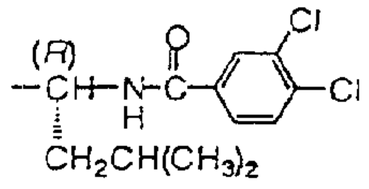
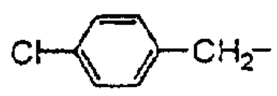
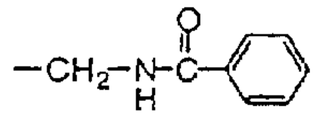
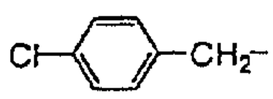
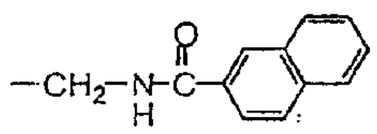
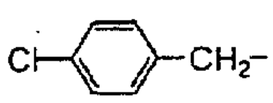
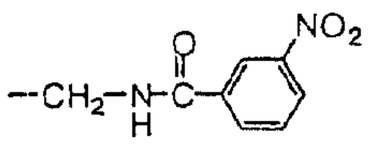
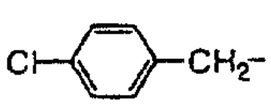
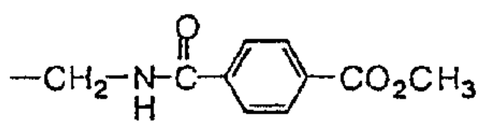
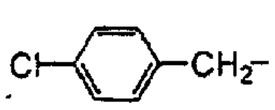
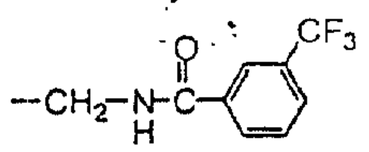
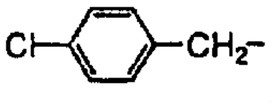
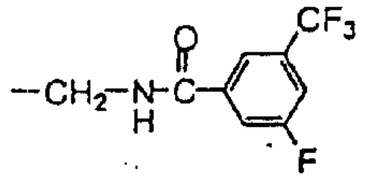
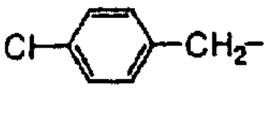
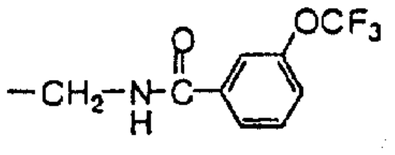
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 430 |  | 2 | 2 | 0 | - | H |  |
| 431 |  | 2 | 2 | 0 | - | H |  |
| 432 |  | 2 | 2 | 0 | - | H |  |
| 433 |  | 2 | 2 | 0 | - | H |  |
| 434 |  | 1 | 3 | 1 | - | H |  |
| 435 |  | 1 | 3 | 1 | - | H |  |
| 436 |  | 1 | 3 | 1 | - | H |  |
| 437 |  | 1 | 3 | 1 | - | H |  |
| 438 |  | 1 | 3 | 1 | - | H |  |
| 439 |  | 1 | 3 | 1 | - | H |  |
| 440 |  | 1 | 3 | 1 | - | H |  |

Table 1.41

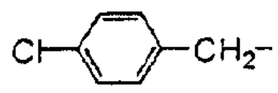
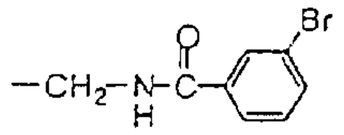
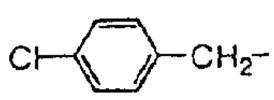
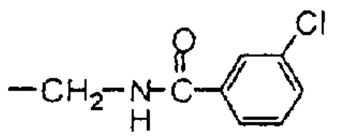
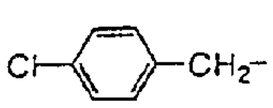
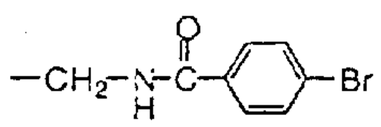
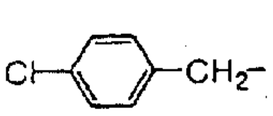
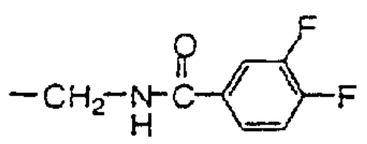
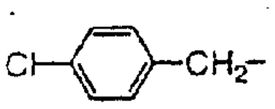
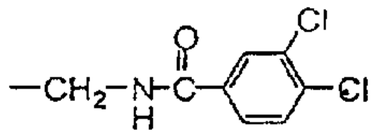
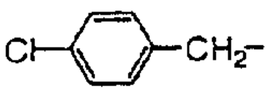
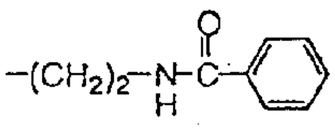
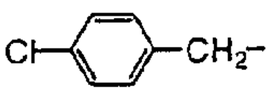
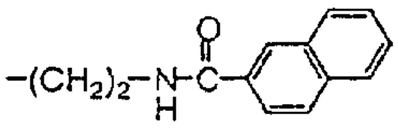
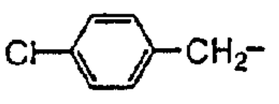
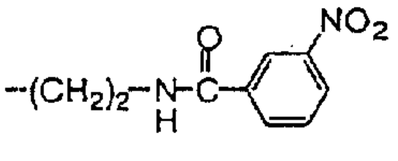
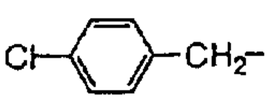
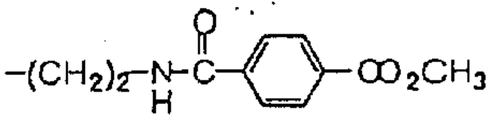
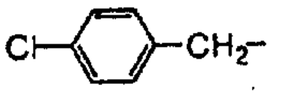
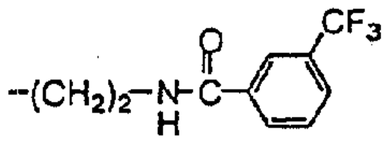
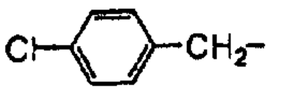
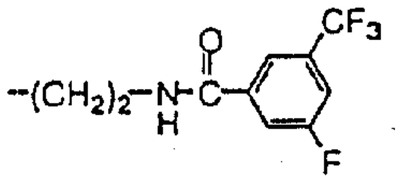
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 441 |  | 1 | 3 | 1 | - | H |  |
| 442 |  | 1 | 3 | 1 | - | H |  |
| 443 |  | 1 | 3 | 1 | - | H |  |
| 444 |  | 1 | 3 | 1 | - | H |  |
| 445 |  | 1 | 3 | 1 | - | H |  |
| 446 |  | 1 | 3 | 1 | - | H |  |
| 447 |  | 1 | 3 | 1 | - | H |  |
| 448 |  | 1 | 3 | 1 | - | H |  |
| 449 |  | 1 | 3 | 1 | - | H |  |
| 450 |  | 1 | 3 | 1 | - | H |  |
| 451 |  | 1 | 3 | 1 | - | H |  |

Table 1.42

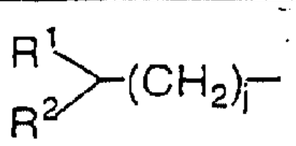
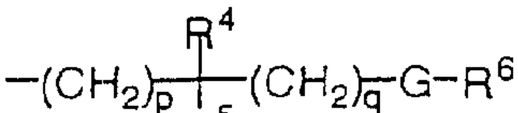
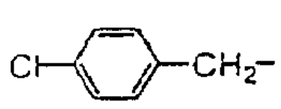
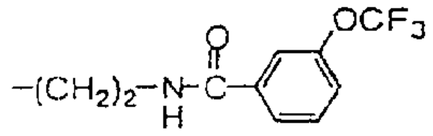
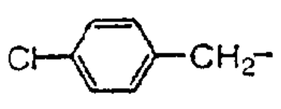
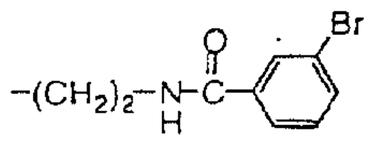
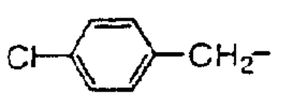
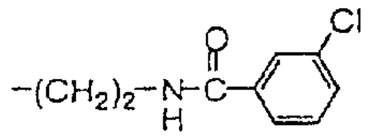
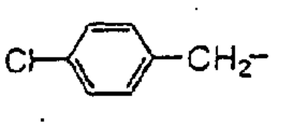
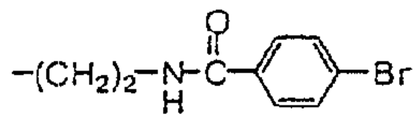
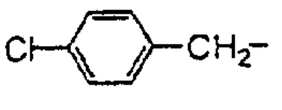
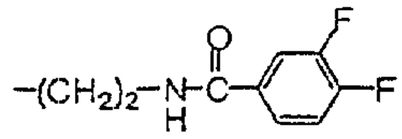
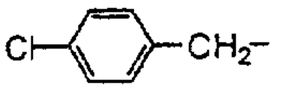
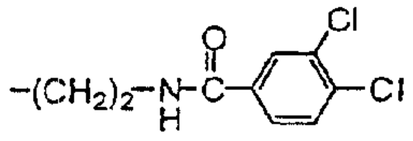
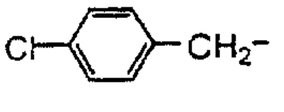
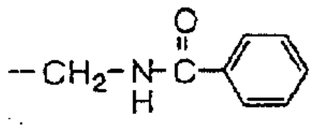
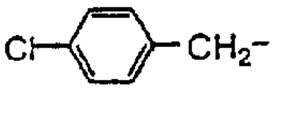
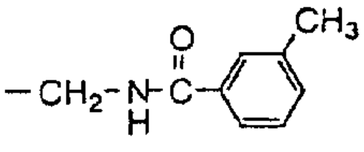
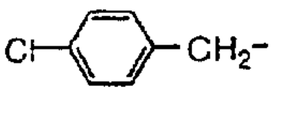
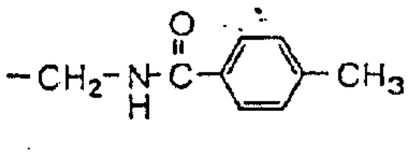
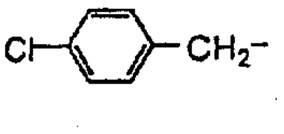
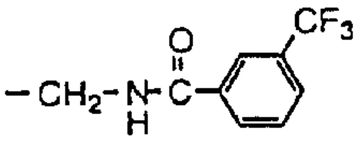
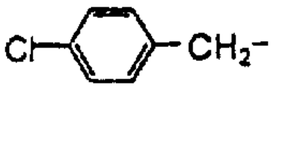
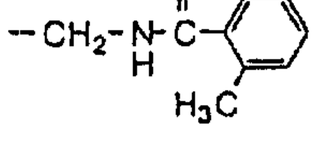
| Compd. No. |  | k | m | n | chirality |  |  |
|---|---|---|---|---|---|---|---|
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| 454 |  | 1 | 3 | 1 | - | H |  |
| 455 |  | 1 | 3 | 1 | - | H |  |
| 456 |  | 1 | 3 | 1 | - | H |  |
| 457 |  | 1 | 3 | 1 | - | H |  |
| 458 |  | 2 | 2 | 1 | - | H |  |
| 459 |  | 2 | 2 | 1 | - | H |  |
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Table 1.43

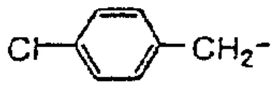
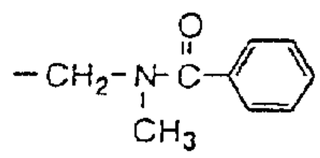
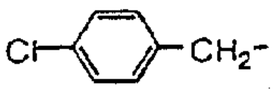
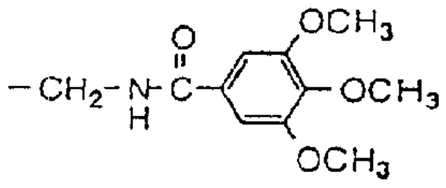
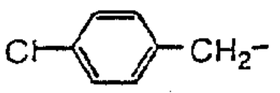
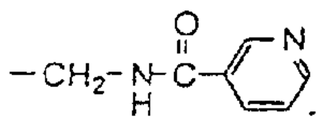
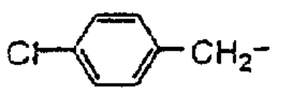
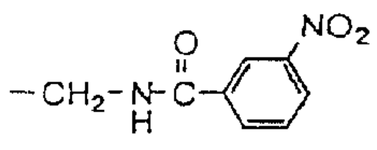
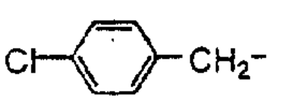
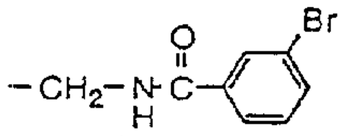
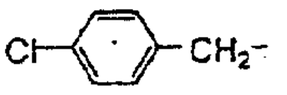
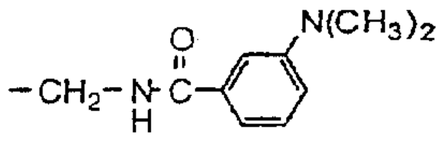
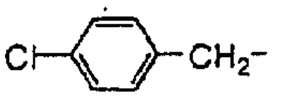
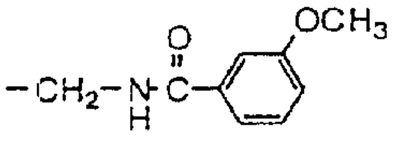
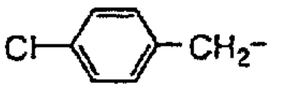
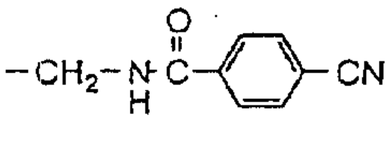
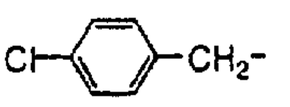
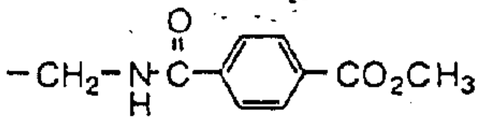
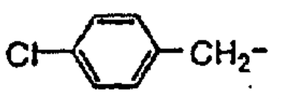
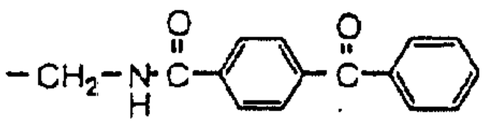
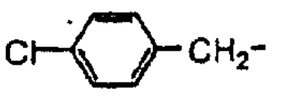
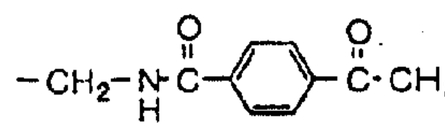
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 463 |  | 2 | 2 | 1 | - | H |  |
| 464 |  | 2 | 2 | 1 | - | H |  |
| 465 |  | 2 | 2 | 1 | - | H |  |
| 466 |  | 2 | 2 | 1 | - | H |  |
| 467 |  | 2 | 2 | 1 | - | H |  |
| 468 |  | 2 | 2 | 1 | - | H |  |
| 469 |  | 2 | 2 | 1 | - | H |  |
| 470 |  | 2 | 2 | 1 | - | H |  |
| 471 |  | 2 | 2 | 1 | - | H |  |
| 472 |  | 2 | 2 | 1 | - | H |  |
| 473 |  | 2 | 2 | 1 | - | H |  |

Table 1.44

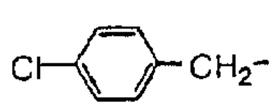
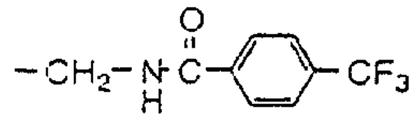
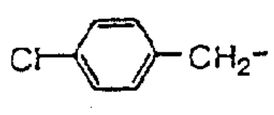
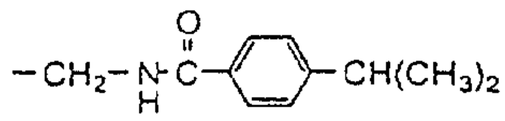
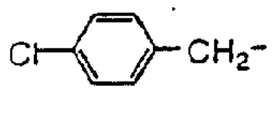
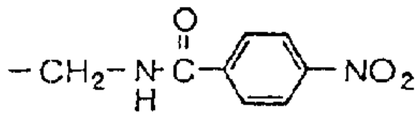
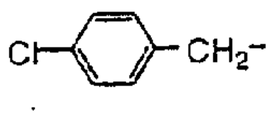
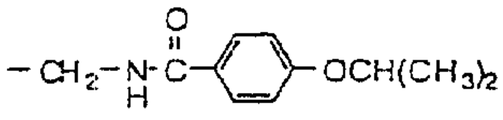
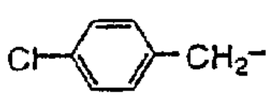
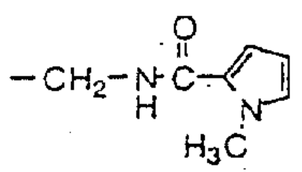
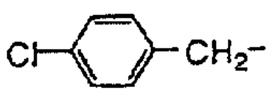
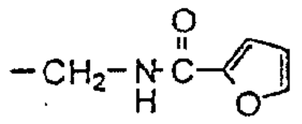
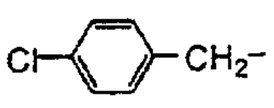
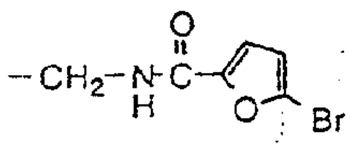
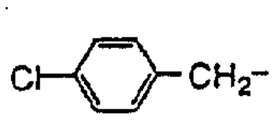
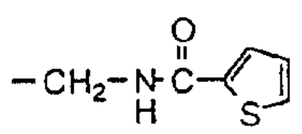
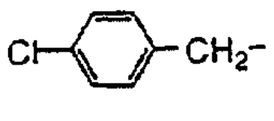
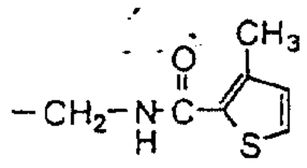
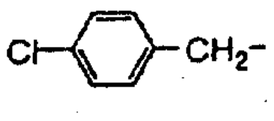
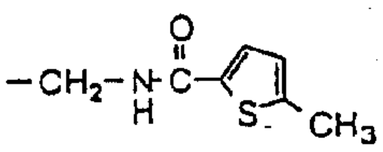
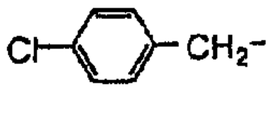
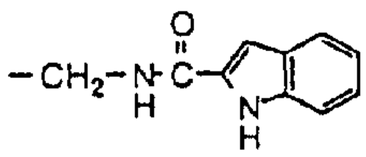
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 474 |  | 2 | 2 | 1 | - | H |  |
| 475 |  | 2 | 2 | 1 | - | H |  |
| 476 |  | 2 | 2 | 1 | - | H |  |
| 477 |  | 2 | 2 | 1 | - | H |  |
| 478 |  | 2 | 2 | 1 | - | H |  |
| 479 |  | 2 | 2 | 1 | - | H |  |
| 480 |  | 2 | 2 | 1 | - | H |  |
| 481 |  | 2 | 2 | 1 | - | H |  |
| 482 |  | 2 | 2 | 1 | - | H |  |
| 483 |  | 2 | 2 | 1 | - | H |  |
| 484 |  | 2 | 2 | 1 | - | H |  |

Table 1.45

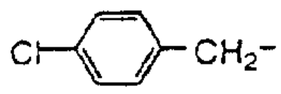
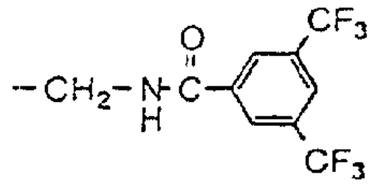
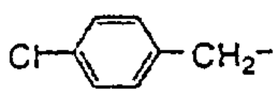
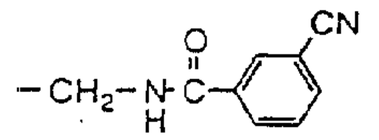
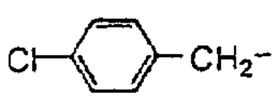
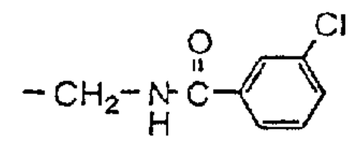
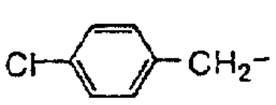
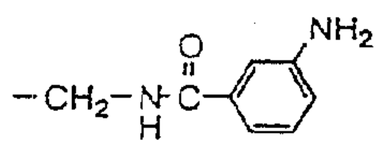
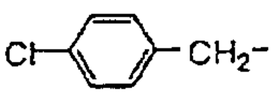
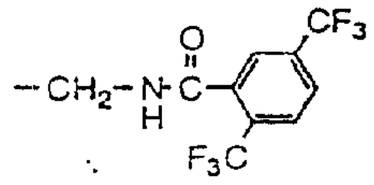
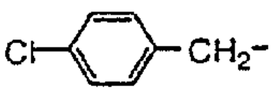
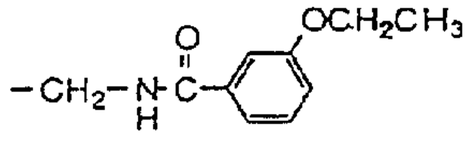
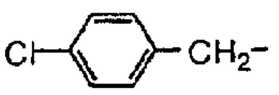
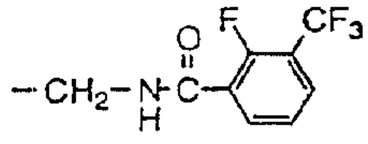
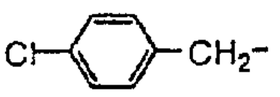
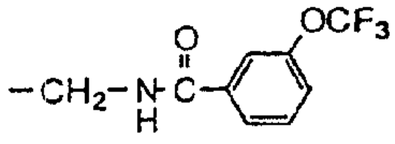
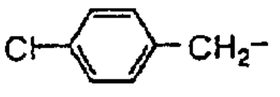
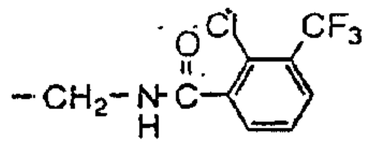
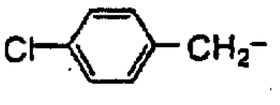
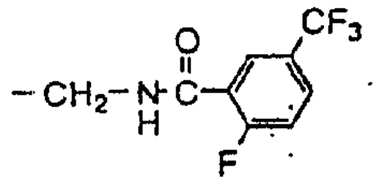
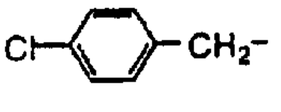
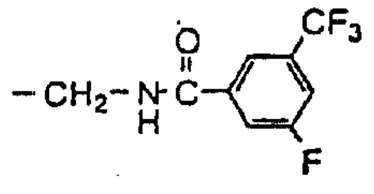
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 485 |  | 2 | 2 | 1 | - | H |  |
| 486 |  | 2 | 2 | 1 | - | H |  |
| 487 |  | 2 | 2 | 1 | - | H |  |
| 488 |  | 2 | 2 | 1 | - | H |  |
| 489 |  | 2 | 2 | 1 | - | H |  |
| 490 |  | 2 | 2 | 1 | - | H |  |
| 491 |  | 2 | 2 | 1 | - | H |  |
| 492 |  | 2 | 2 | 1 | - | H |  |
| 493 |  | 2 | 2 | 1 | - | H |  |
| 494 |  | 2 | 2 | 1 | - | H |  |
| 495 |  | 2 | 2 | 1 | - | H |  |

Table 1.46

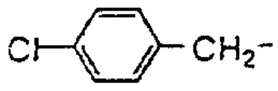
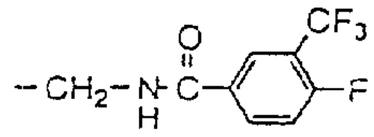
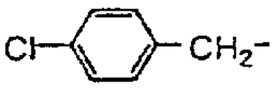
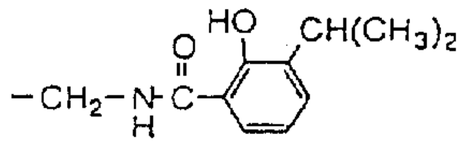
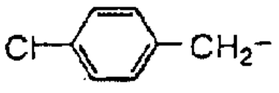
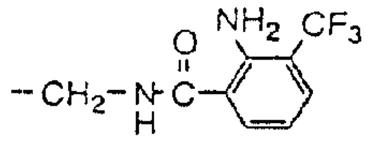
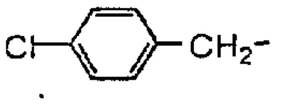
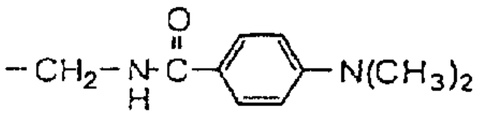
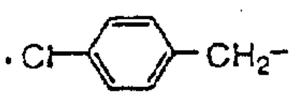
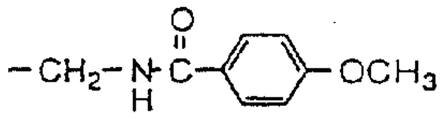
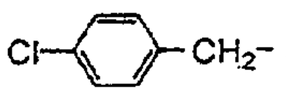
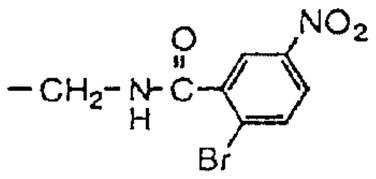
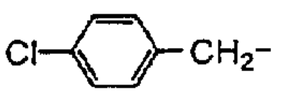
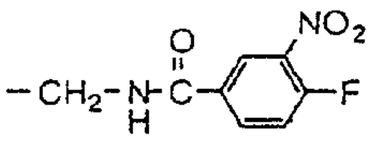
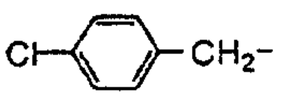
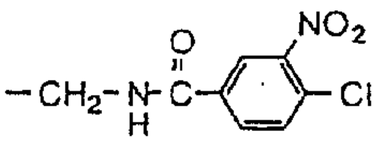
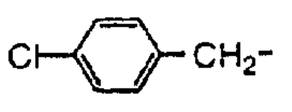
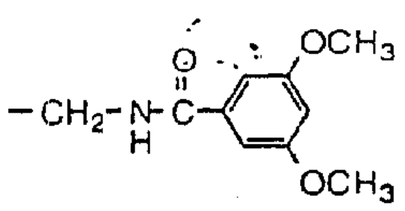
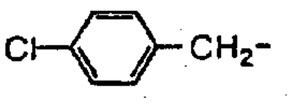
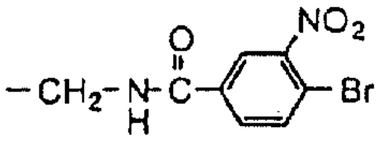
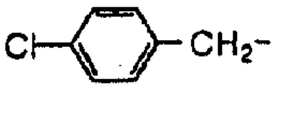
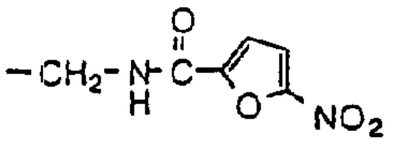
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 496 |  | 2 | 2 | 1 | - | H |  |
| 497 |  | 2 | 2 | 1 | - | H |  |
| 498 |  | 2 | 2 | 1 | - | H |  |
| 499 |  | 2 | 2 | 1 | - | H |  |
| 500 |  | 2 | 2 | 1 | - | H |  |
| 501 |  | 2 | 2 | 1 | - | H |  |
| 502 |  | 2 | 2 | 1 | - | H |  |
| 503 |  | 2 | 2 | 1 | - | H |  |
| 504 |  | 2 | 2 | 1 | - | H |  |
| 505 |  | 2 | 2 | 1 | - | H |  |
| 506 |  | 2 | 2 | 1 | - | H |  |

Table 1.47

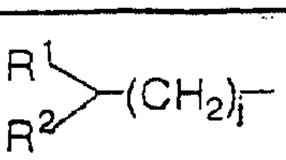
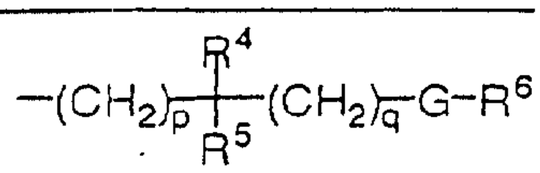
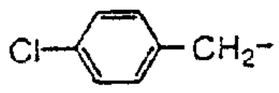
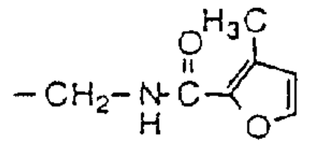
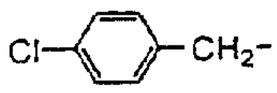
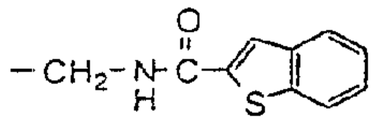
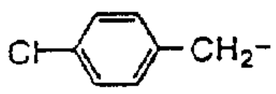
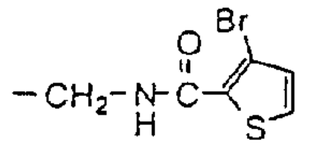
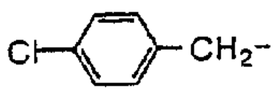
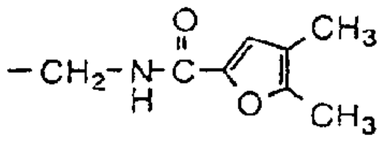
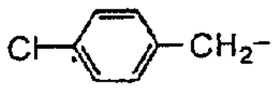
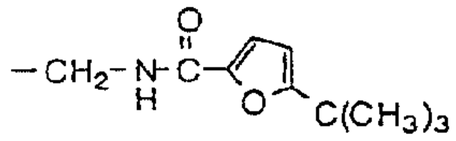
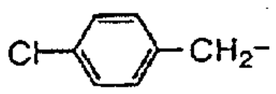
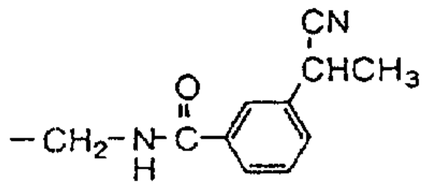
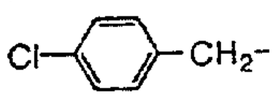
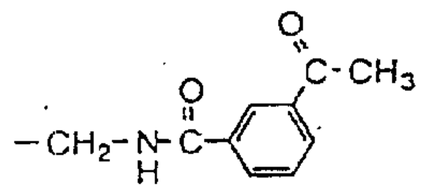
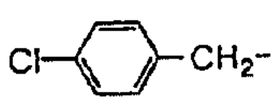
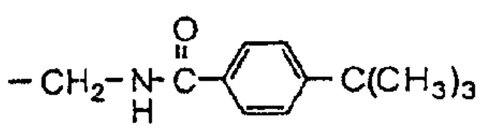
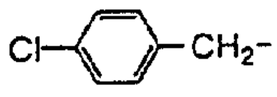
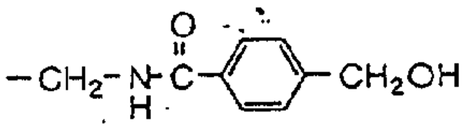
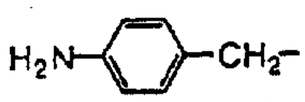
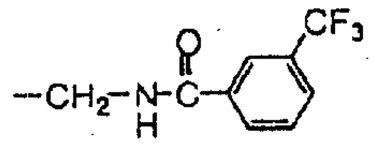
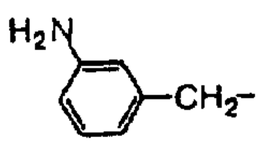
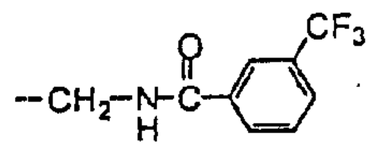
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 507 |  | 2 | 2 | 1 | - | H |  |
| 508 |  | 2 | 2 | 1 | - | H |  |
| 509 |  | 2 | 2 | 1 | - | H |  |
| 510 |  | 2 | 2 | 1 | - | H |  |
| 511 |  | 2 | 2 | 1 | - | H |  |
| 512 |  | 2 | 2 | 1 | - | H |  |
| 513 |  | 2 | 2 | 1 | - | H |  |
| 514 |  | 2 | 2 | 1 | - | H |  |
| 515 |  | 2 | 2 | 1 | - | H |  |
| 516 |  | 2 | 2 | 1 | - | H |  |
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**Table 1.48**

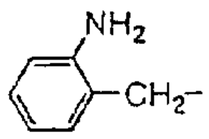
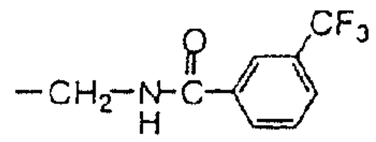
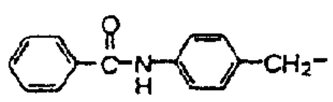
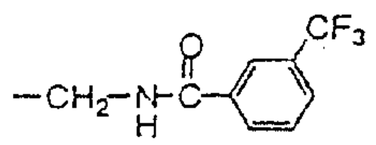
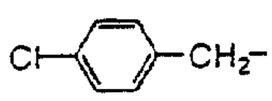
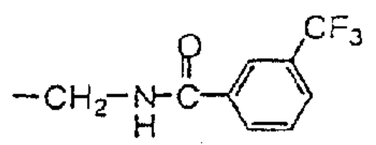
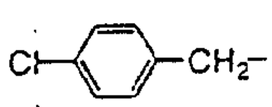
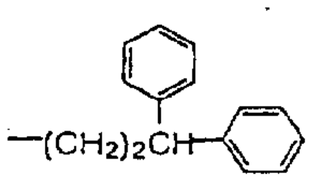
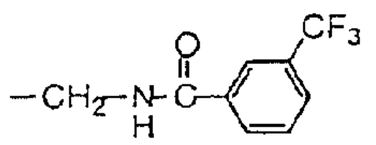
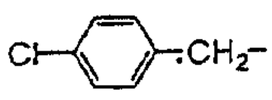
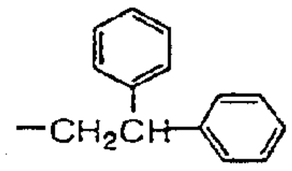
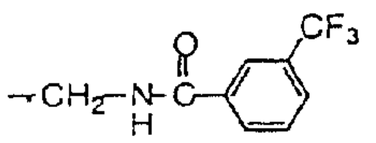
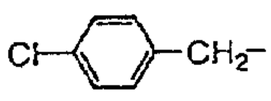
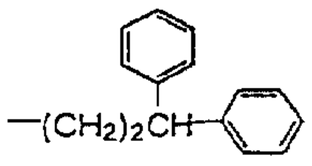
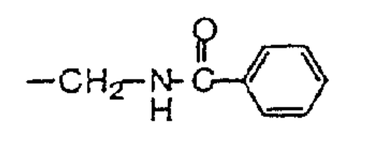
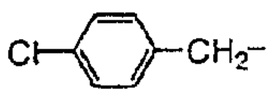
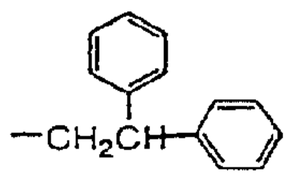
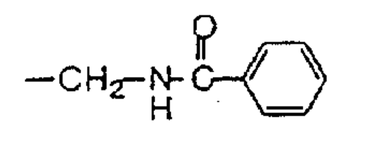
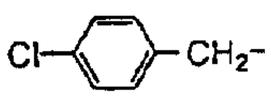
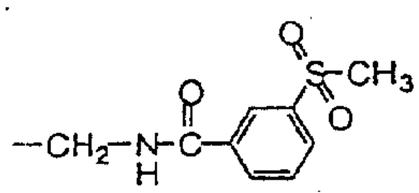
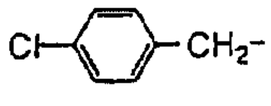
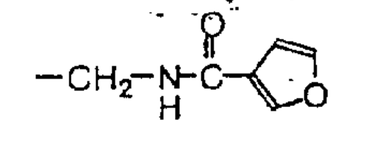
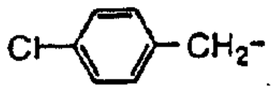
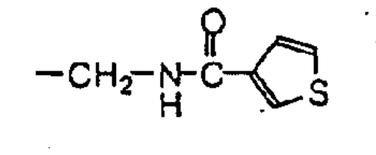
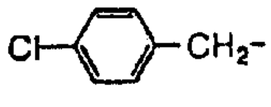
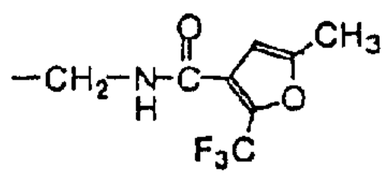
| Compd. No. | $R^1$, $R^2$, $-(CH_2)_j-$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 518 |  | 2 | 2 | 1 | - | H |  |
| 519 |  | 2 | 2 | 1 | - | H |  |
| 520 |  | 2 | 2 | 1 | - | $-CH_3$ |  |
| 521 |  | 2 | 2 | 1 | - |  |  |
| 522 |  | 2 | 2 | 1 | - |  |  |
| 523 |  | 2 | 2 | 1 | - |  |  |
| 524 |  | 2 | 2 | 1 | - |  |  |
| 525 |  | 2 | 2 | 1 | - | H |  |
| 526 |  | 2 | 2 | 1 | - | H |  |
| 527 |  | 2 | 2 | 1 | - | H |  |
| 528 |  | 2 | 2 | 1 | - | H |  |

Table 1.49

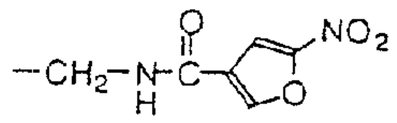
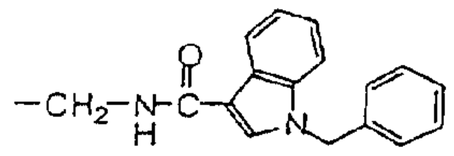
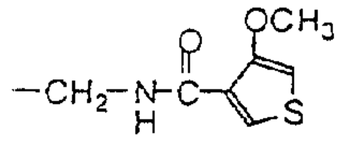
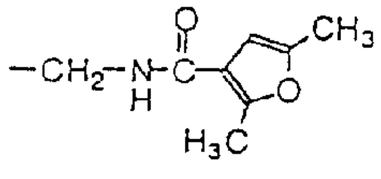
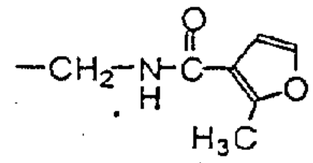
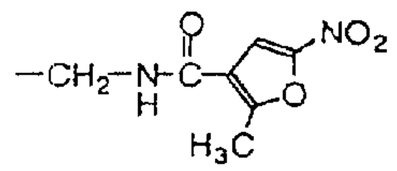
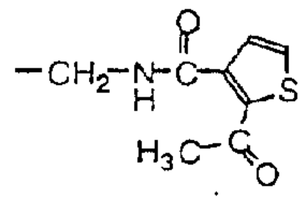
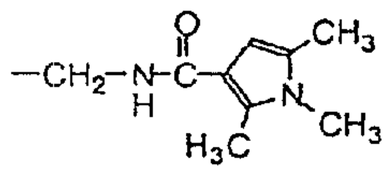
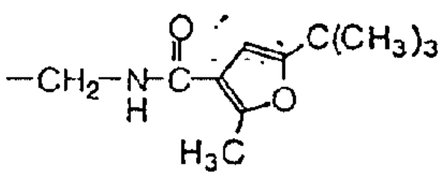
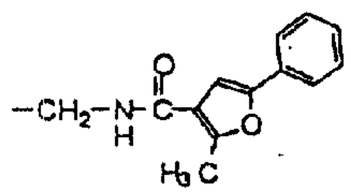
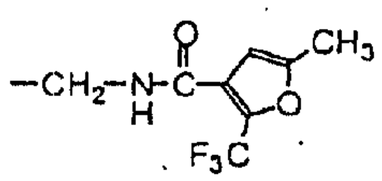
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 529 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 530 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 531 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 532 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 533 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 534 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 535 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 536 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 537 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
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| 539 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |

Table 1.50

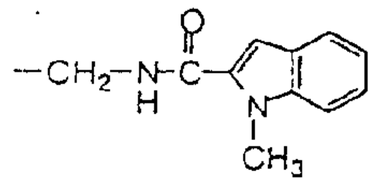
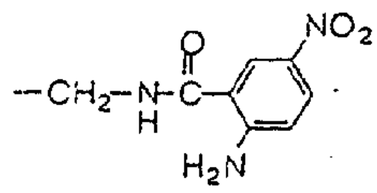
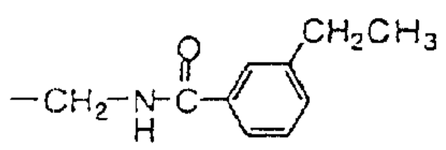
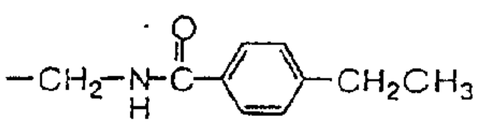
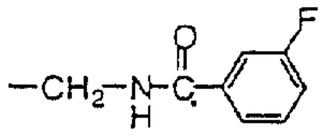
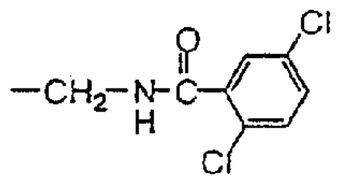
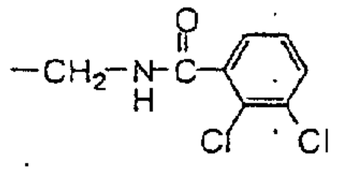
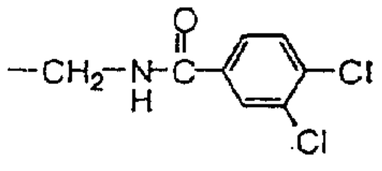
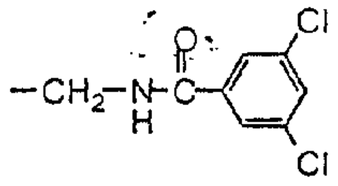
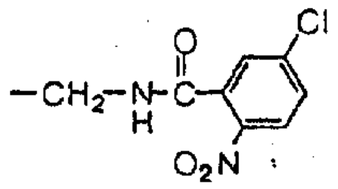
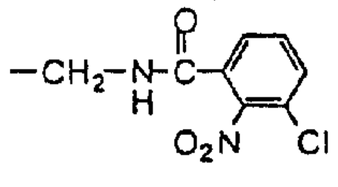
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 540 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 541 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 542 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 543 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 544 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 545 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 546 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 547 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 548 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 549 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 550 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |

Table 1.5 1

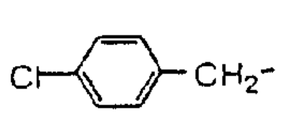
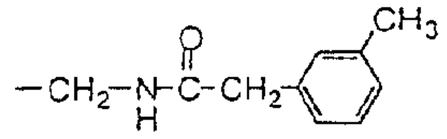
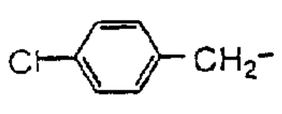
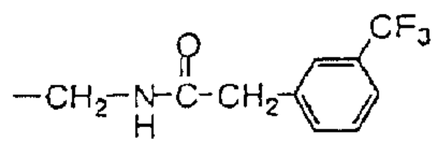
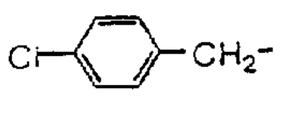
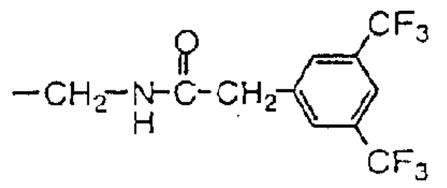
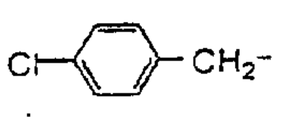
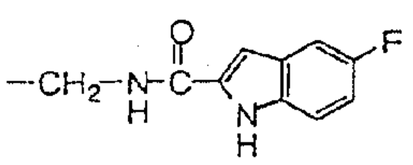
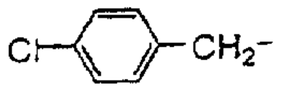
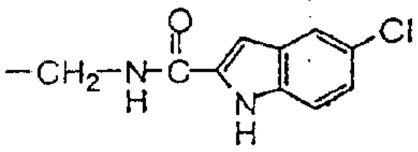
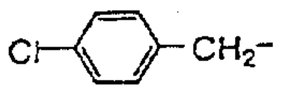
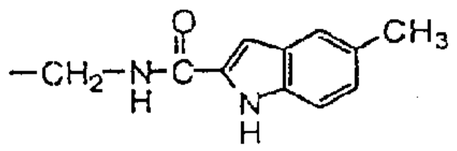
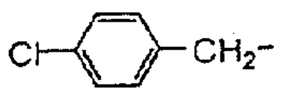
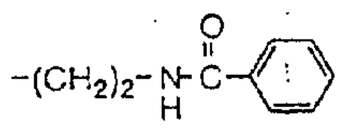
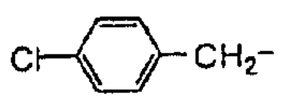
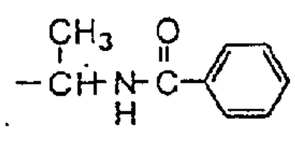
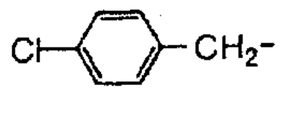
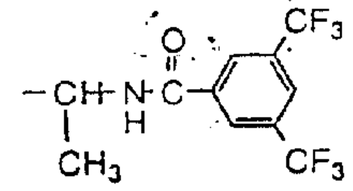
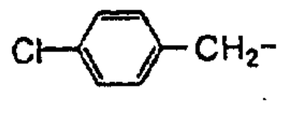
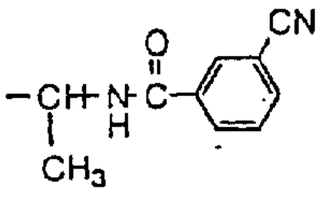
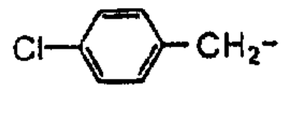
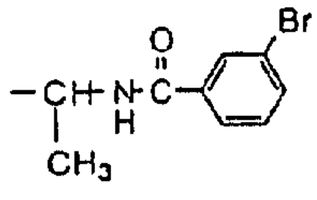
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 551 |  | 2 | 2 | 1 | - | H |  |
| 552 |  | 2 | 2 | 1 | - | H |  |
| 553 |  | 2 | 2 | 1 | - | H |  |
| 554 |  | 2 | 2 | 1 | - | H |  |
| 555 |  | 2 | 2 | 1 | - | H |  |
| 556 |  | 2 | 2 | 1 | - | H |  |
| 557 |  | 2 | 2 | 1 | - | H |  |
| 558 |  | 2 | 2 | 1 | - | H |  |
| 559 |  | 2 | 2 | 1 | - | H |  |
| 560 |  | 2 | 2 | 1 | - | H |  |
| 561 |  | 2 | 2 | 1 | - | H |  |

Table 1.52

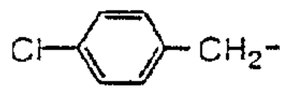
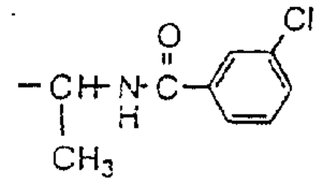
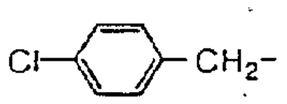
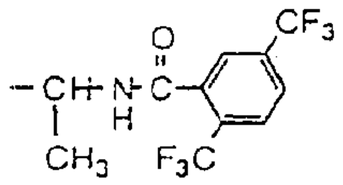
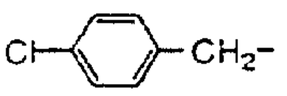
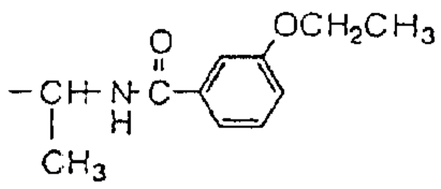
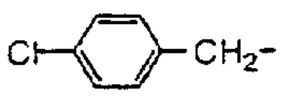
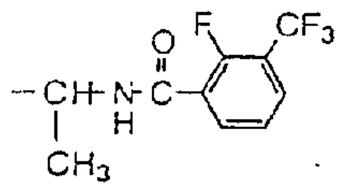
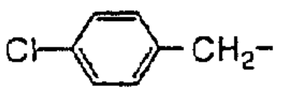
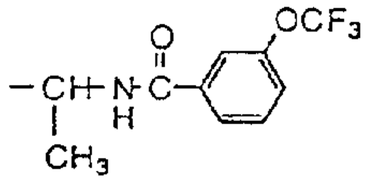
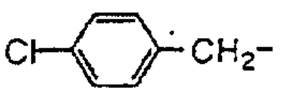
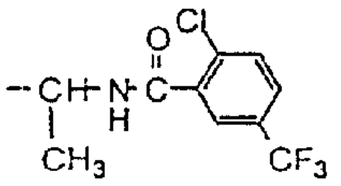
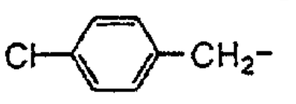
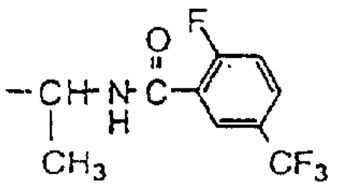
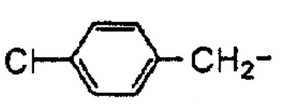
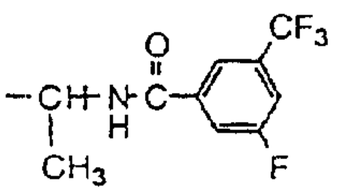
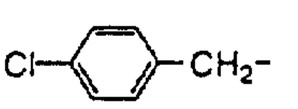
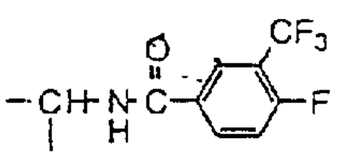
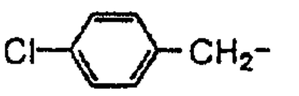
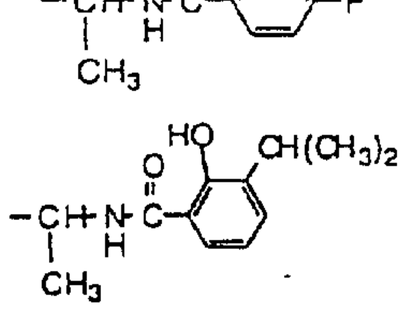
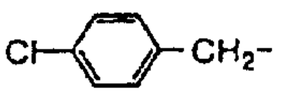
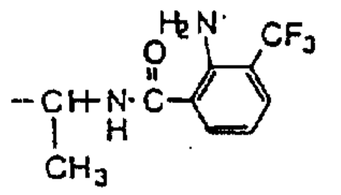
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 562 |  | 2 | 2 | 1 | - | H |  |
| 563 |  | 2 | 2 | 1 | - | H |  |
| 564 |  | 2 | 2 | 1 | - | H |  |
| 565 |  | 2 | 2 | 1 | - | H |  |
| 566 |  | 2 | 2 | 1 | - | H |  |
| 567 |  | 2 | 2 | 1 | - | H |  |
| 568 |  | 2 | 2 | 1 | - | H |  |
| 569 |  | 2 | 2 | 1 | - | H |  |
| 570 |  | 2 | 2 | 1 | - | H |  |
| 571 |  | 2 | 2 | 1 | - | H |  |
| 572 |  | 2 | 2 | 1 | - | H |  |

Table 1.53

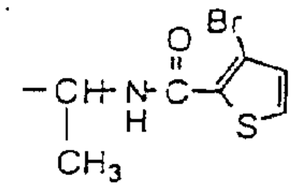
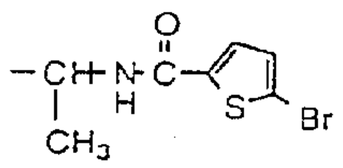
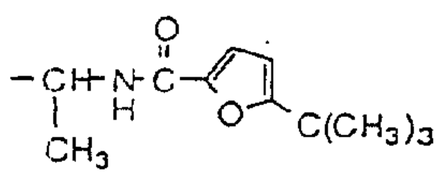
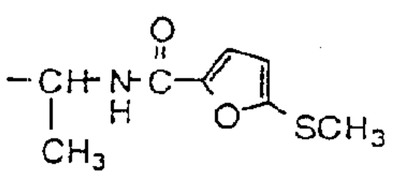
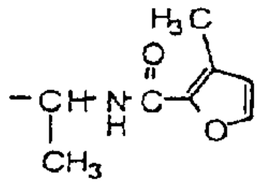
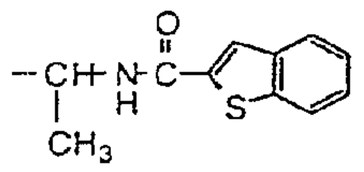
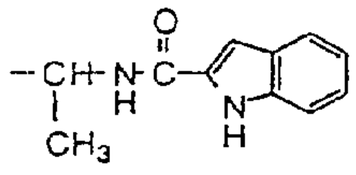
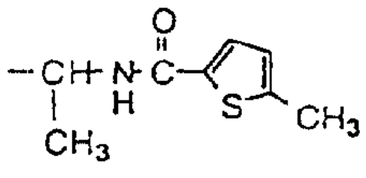
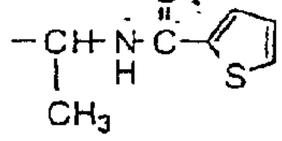
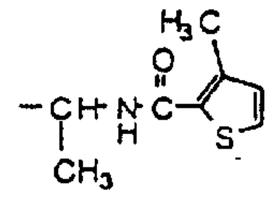
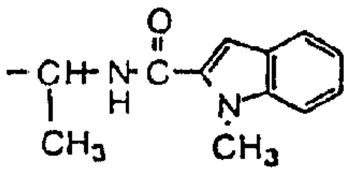
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CH(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 573 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 574 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 575 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 576 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 577 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 578 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 579 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 580 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 581 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 582 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 583 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |

Table 1.54

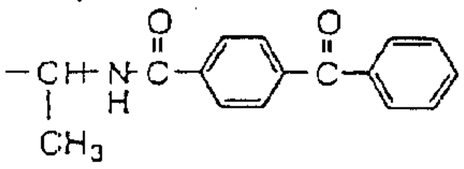
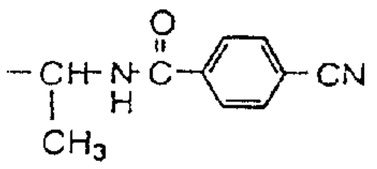
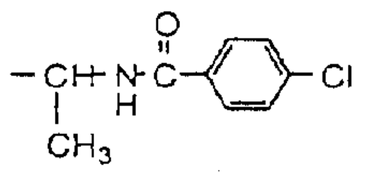
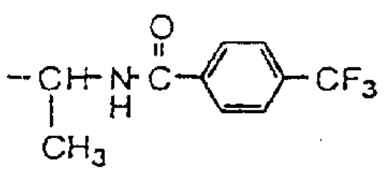
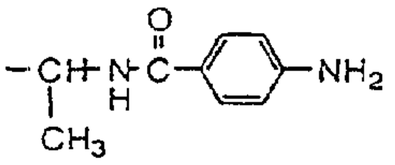
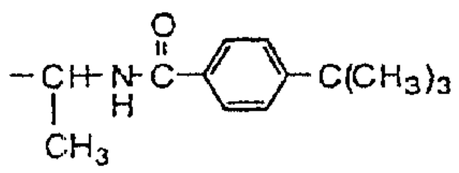
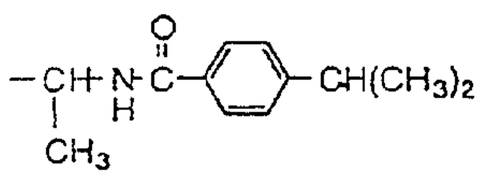
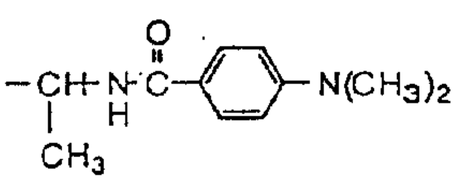
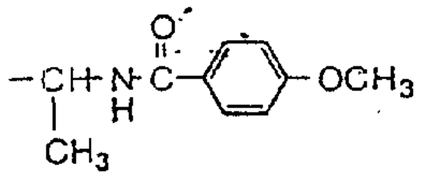
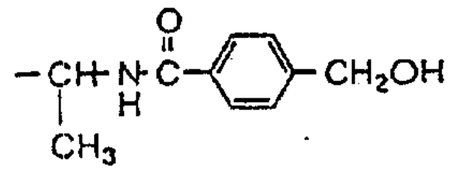
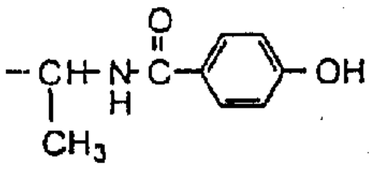
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 584 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 585 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 586 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 587 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 588 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 589 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 590 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 591 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 592 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 593 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 594 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |

Table 1.55

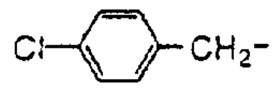
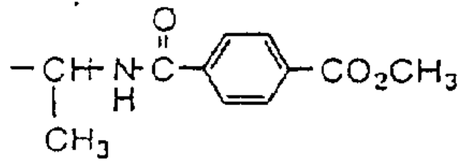
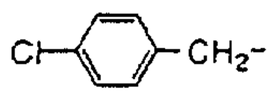
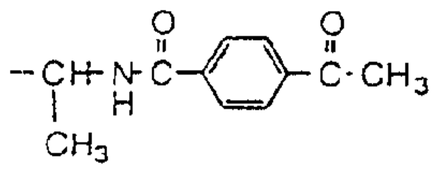
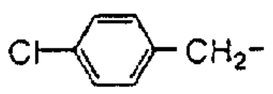
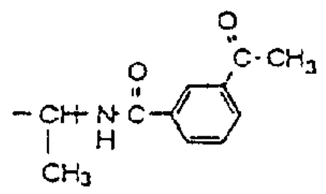
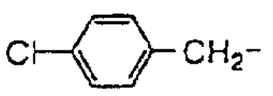
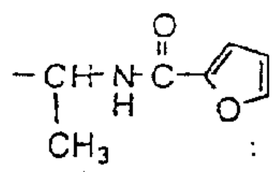
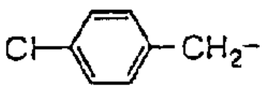
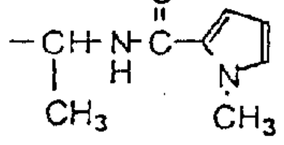
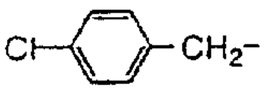
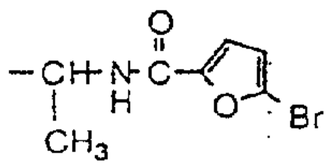
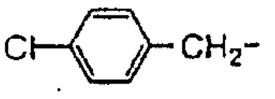
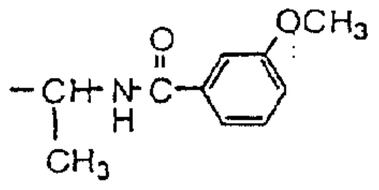
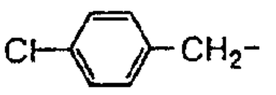
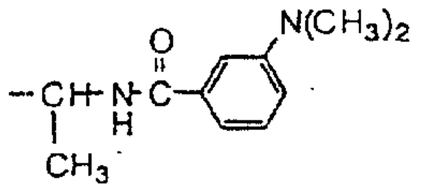
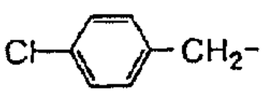
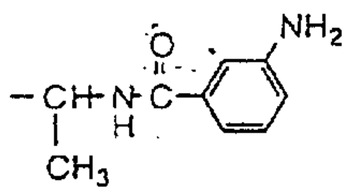
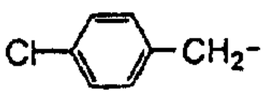
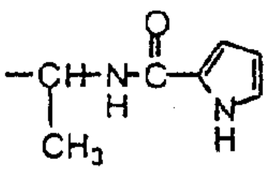
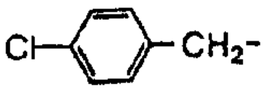
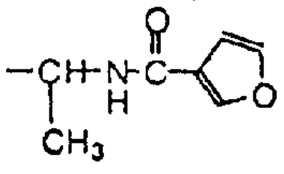
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 595 |  | 2 | 2 | 1 | - | H |  |
| 596 |  | 2 | 2 | 1 | - | H |  |
| 597 |  | 2 | 2 | 1 | - | H |  |
| 598 |  | 2 | 2 | 1 | - | H |  |
| 599 |  | 2 | 2 | 1 | - | H |  |
| 600 |  | 2 | 2 | 1 | - | H |  |
| 601 |  | 2 | 2 | 1 | - | H |  |
| 602 |  | 2 | 2 | 1 | - | H |  |
| 603 |  | 2 | 2 | 1 | - | H |  |
| 604 |  | 2 | 2 | 1 | - | H |  |
| 605 |  | 2 | 2 | 1 | - | H |  |

Table 1.56

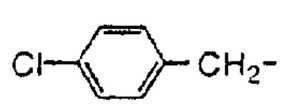
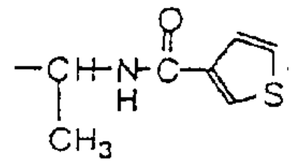
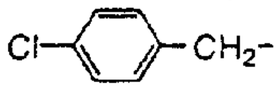
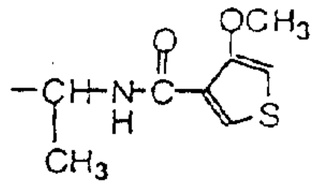
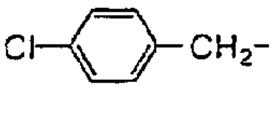
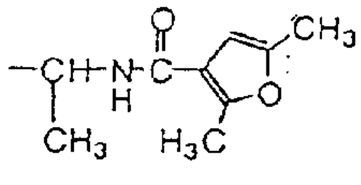
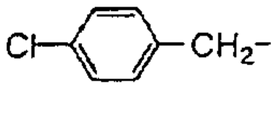
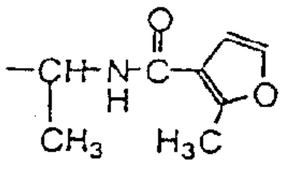
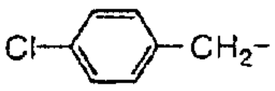
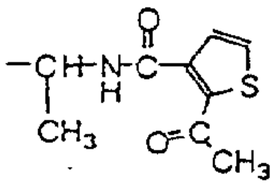
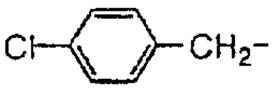
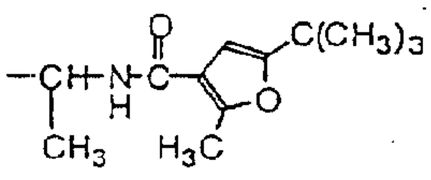
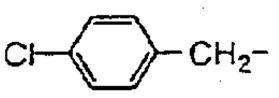
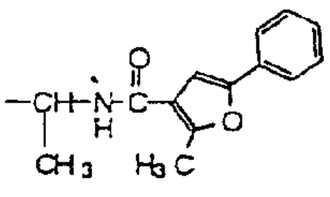
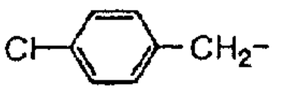
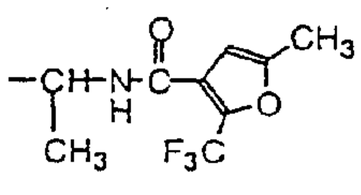
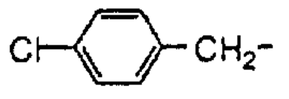
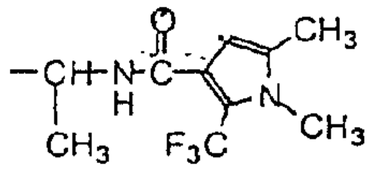
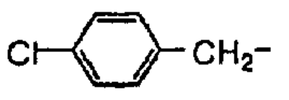
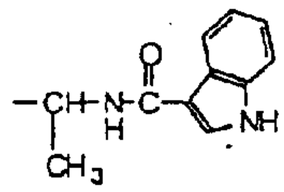
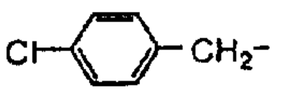
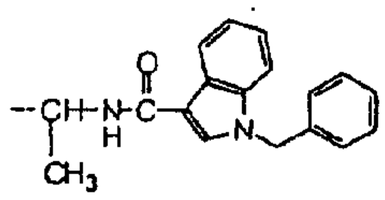
| Compd. No. | $R^1$, $R^2$, $-(CH_2)_l-$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 606 |  | 2 | 2 | 1 | - | H |  |
| 607 |  | 2 | 2 | 1 | - | H |  |
| 608 |  | 2 | 2 | 1 | - | H |  |
| 609 |  | 2 | 2 | 1 | - | H |  |
| 610 |  | 2 | 2 | 1 | - | H |  |
| 611 |  | 2 | 2 | 1 | - | H |  |
| 612 |  | 2 | 2 | 1 | - | H |  |
| 613 |  | 2 | 2 | 1 | - | H |  |
| 614 |  | 2 | 2 | 1 | - | H |  |
| 615 |  | 2 | 2 | 1 | - | H |  |
| 616 |  | 2 | 2 | 1 | - | H |  |

Table 1.57

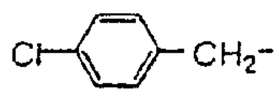
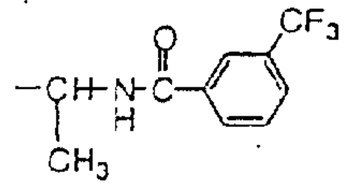
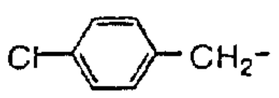
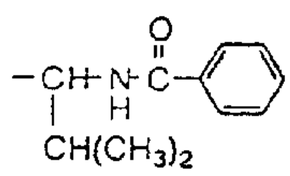
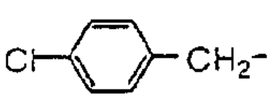
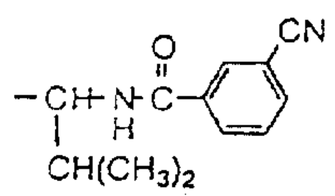
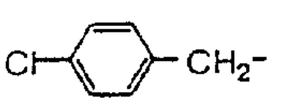
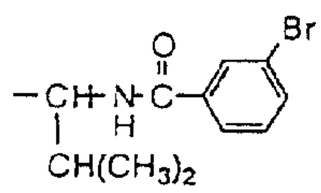
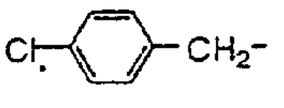
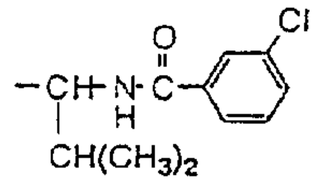
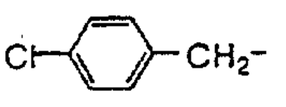
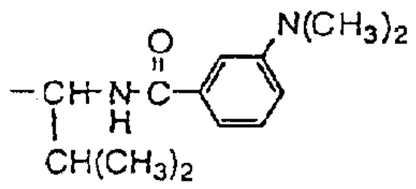
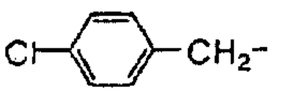
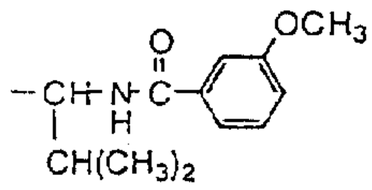
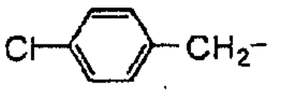
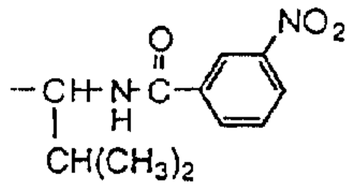
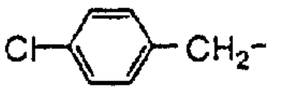
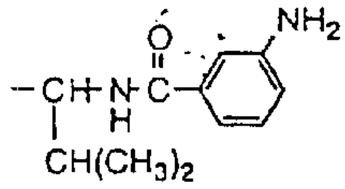
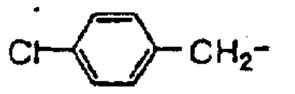
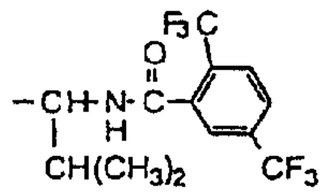
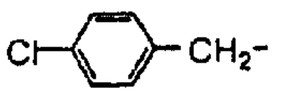
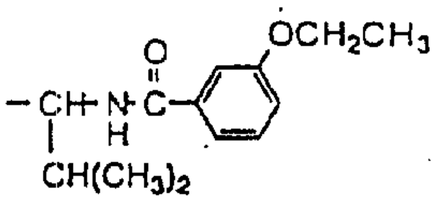
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 617 |  | 2 | 2 | 1 | - | H |  |
| 618 |  | 2 | 2 | 1 | - | H |  |
| 619 |  | 2 | 2 | 1 | - | H |  |
| 620 |  | 2 | 2 | 1 | - | H |  |
| 621 |  | 2 | 2 | 1 | - | H |  |
| 622 |  | 2 | 2 | 1 | - | H |  |
| 623 |  | 2 | 2 | 1 | - | H |  |
| 624 |  | 2 | 2 | 1 | - | H |  |
| 625 |  | 2 | 2 | 1 | - | H |  |
| 626 |  | 2 | 2 | 1 | - | H |  |
| 627 |  | 2 | 2 | 1 | - | H |  |

Table 1.58

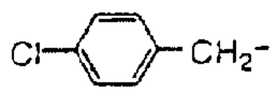
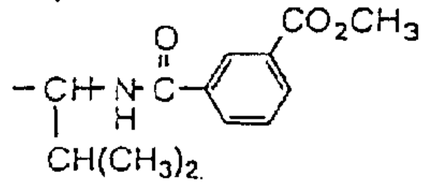
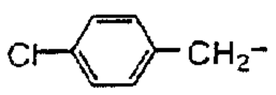
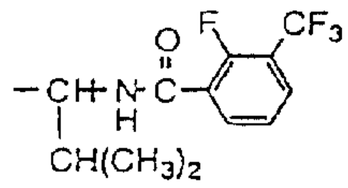
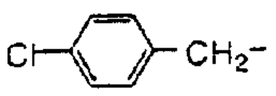
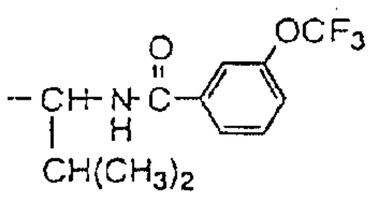
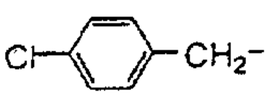
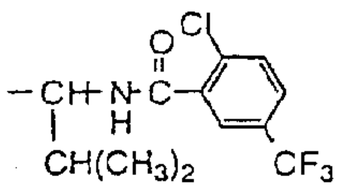
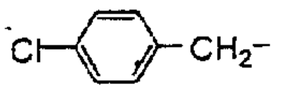
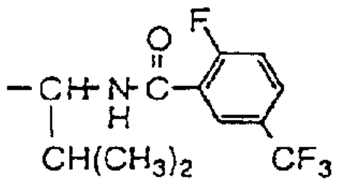
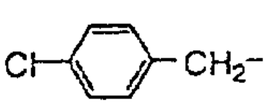
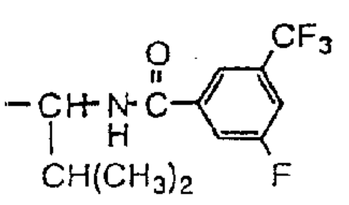
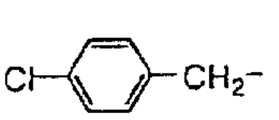
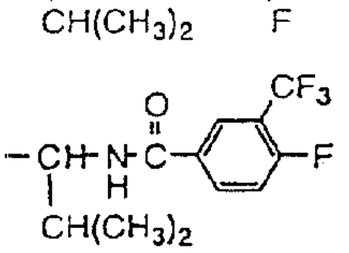
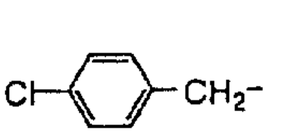
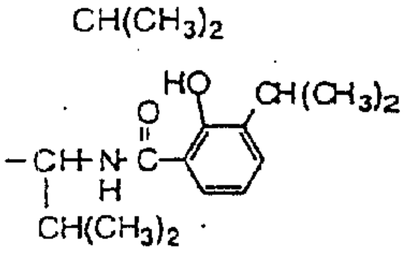
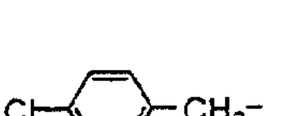
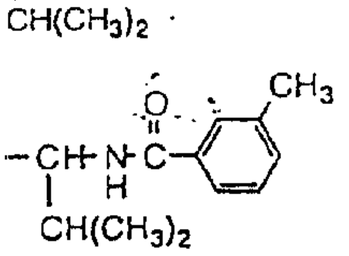
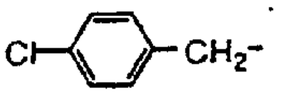
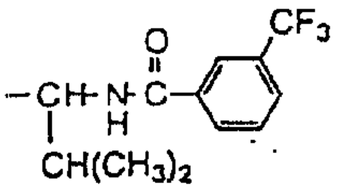
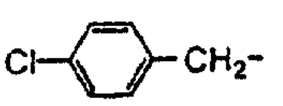
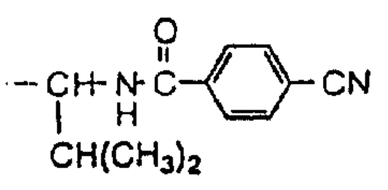
| Compd. No. | $R^1$, $R^2$, $-(CH_2)_j-$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 628 |  | 2 | 2 | 1 | - | H |  |
| 629 |  | 2 | 2 | 1 | - | H |  |
| 630 |  | 2 | 2 | 1 | - | H |  |
| 631 |  | 2 | 2 | 1 | - | H |  |
| 632 |  | 2 | 2 | 1 | - | H |  |
| 633 |  | 2 | 2 | 1 | - | H |  |
| 634 |  | 2 | 2 | 1 | - | H |  |
| 635 |  | 2 | 2 | 1 | - | H |  |
| 636 |  | 2 | 2 | 1 | - | H |  |
| 637 |  | 2 | 2 | 1 | - | H |  |
| 638 |  | 2 | 2 | 1 | - | H |  |

Table 1.59

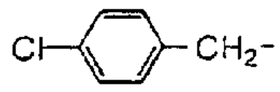
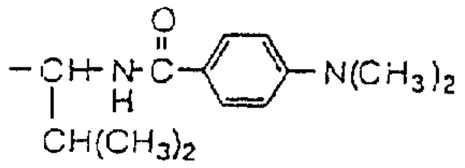
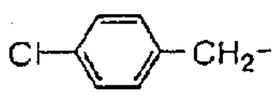
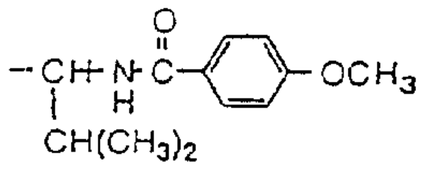
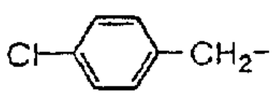
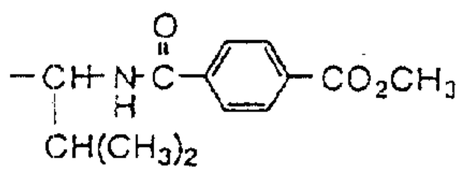
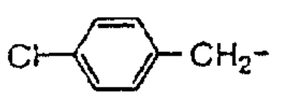
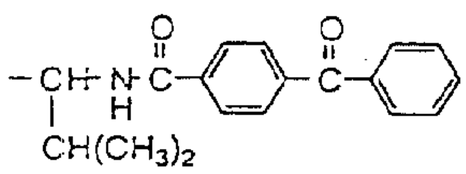
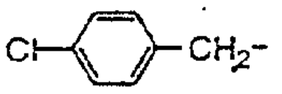
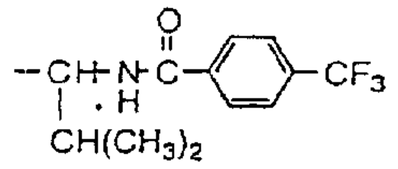
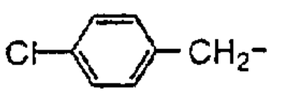
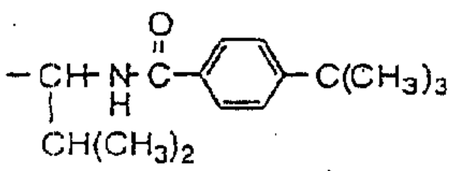
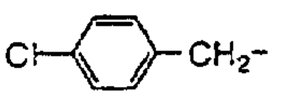
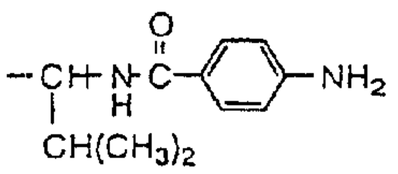
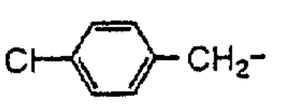
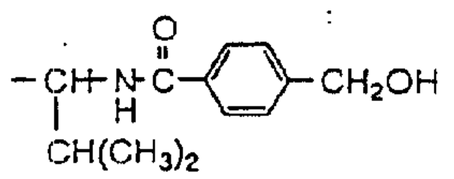
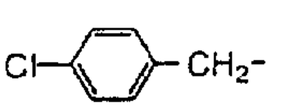
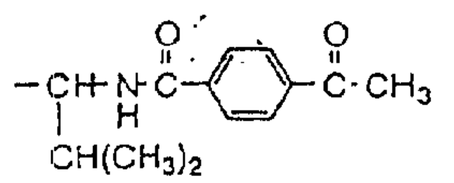
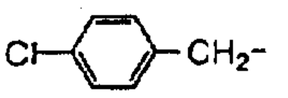
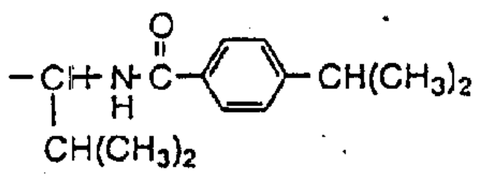
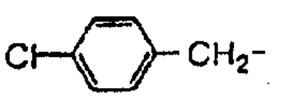
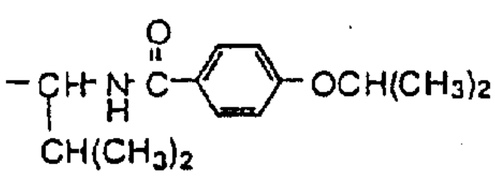
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CH(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 639 |  | 2 | 2 | 1 | - | H |  |
| 640 |  | 2 | 2 | 1 | - | H |  |
| 641 |  | 2 | 2 | 1 | - | H |  |
| 642 |  | 2 | 2 | 1 | - | H |  |
| 643 |  | 2 | 2 | 1 | - | H |  |
| 644 |  | 2 | 2 | 1 | - | H |  |
| 645 |  | 2 | 2 | 1 | - | H |  |
| 646 |  | 2 | 2 | 1 | - | H |  |
| 647 |  | 2 | 2 | 1 | - | H |  |
| 648 |  | 2 | 2 | 1 | - | H |  |
| 649 |  | 2 | 2 | 1 | - | H |  |

Table 1.60

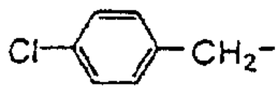
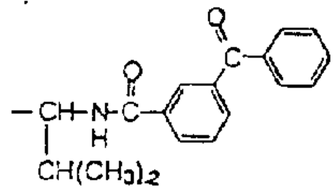
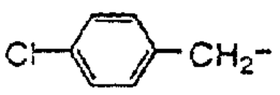
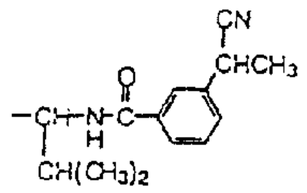
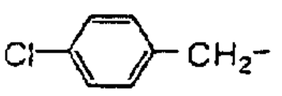
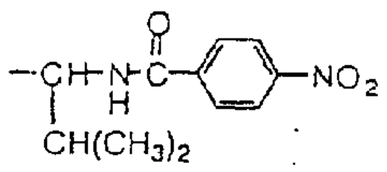
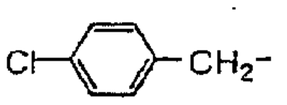
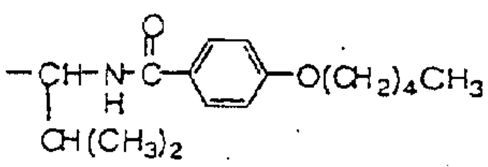
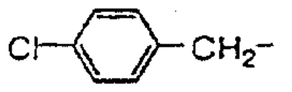
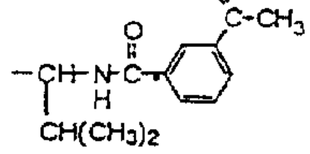
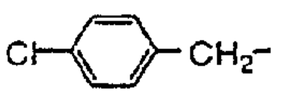
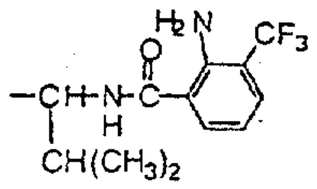
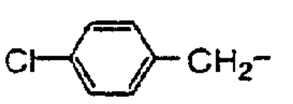
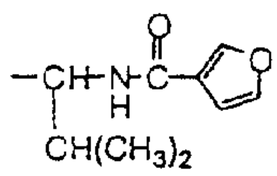
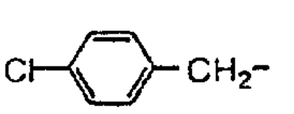
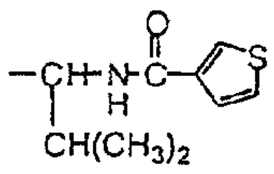
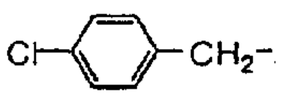
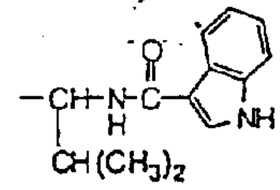
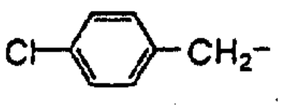
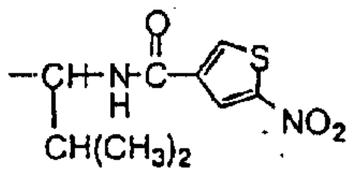
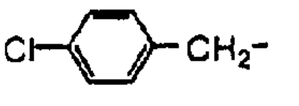
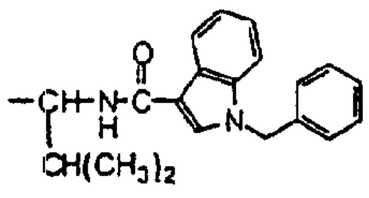
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 650 |  | 2 | 2 | 1 | - | H |  |
| 651 |  | 2 | 2 | 1 | - | H |  |
| 652 |  | 2 | 2 | 1 | - | H |  |
| 653 |  | 2 | 2 | 1 | - | H |  |
| 654 |  | 2 | 2 | 1 | - | H |  |
| 655 |  | 2 | 2 | 1 | - | H |  |
| 656 |  | 2 | 2 | 1 | - | H |  |
| 657 |  | 2 | 2 | 1 | - | H |  |
| 658 |  | 2 | 2 | 1 | - | H |  |
| 659 |  | 2 | 2 | 1 | - | H |  |
| 660 |  | 2 | 2 | 1 | - | H |  |

Table 1.61

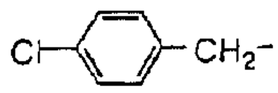
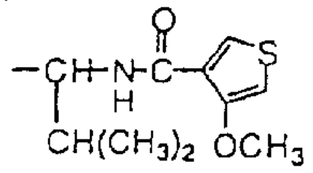
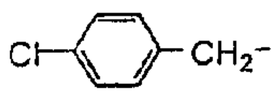
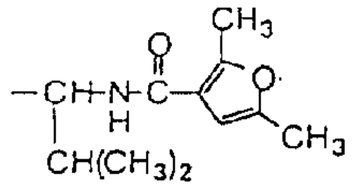
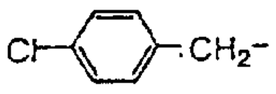
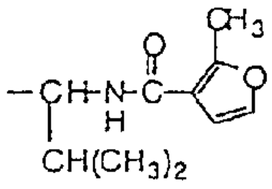
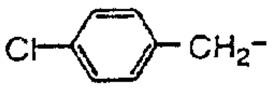
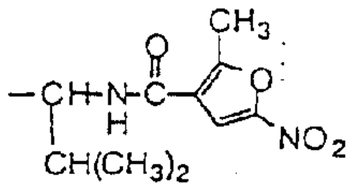
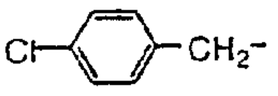
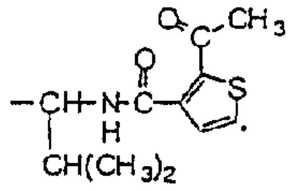
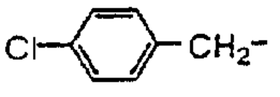
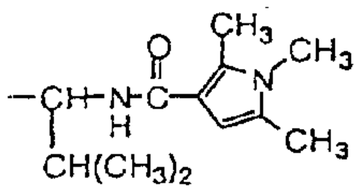
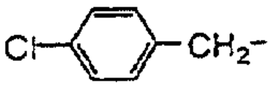
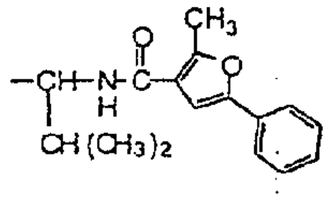
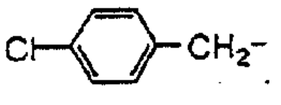
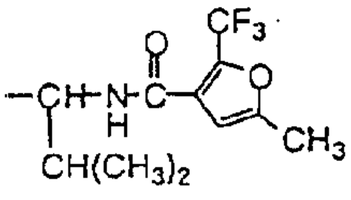
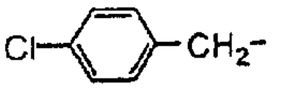
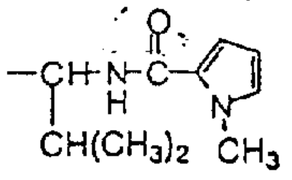
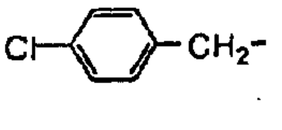
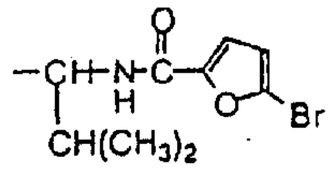
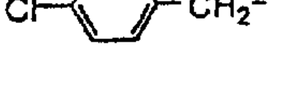
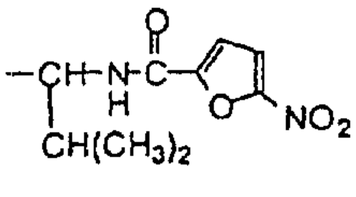
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CH(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 661 |  | 2 | 2 | 1 | - | H |  |
| 662 |  | 2 | 2 | 1 | - | H |  |
| 663 |  | 2 | 2 | 1 | - | H |  |
| 664 |  | 2 | 2 | 1 | - | H |  |
| 665 |  | 2 | 2 | 1 | - | H |  |
| 666 |  | 2 | 2 | 1 | - | H |  |
| 667 |  | 2 | 2 | 1 | - | H |  |
| 668 |  | 2 | 2 | 1 | - | H |  |
| 669 |  | 2 | 2 | 1 | - | H |  |
| 670 |  | 2 | 2 | 1 | - | H |  |
| 671 |  | 2 | 2 | 1 | - | H |  |

Table 1.62

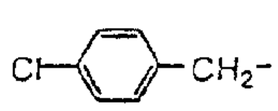
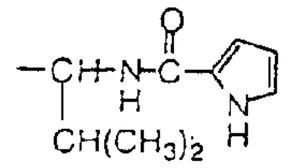
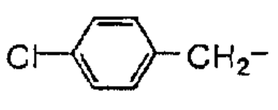
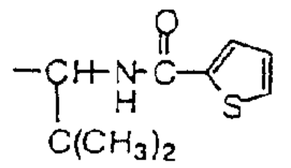
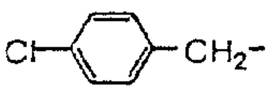
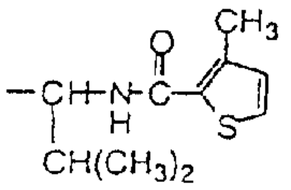
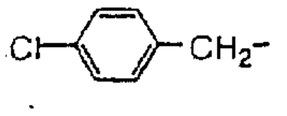
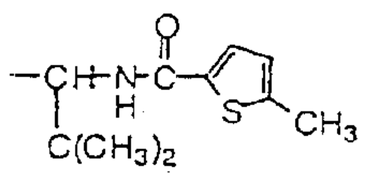
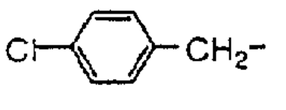
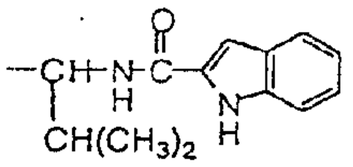
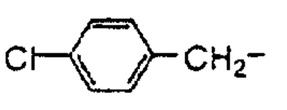
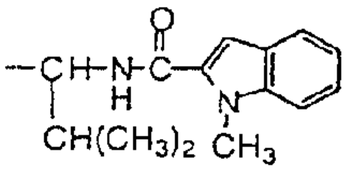
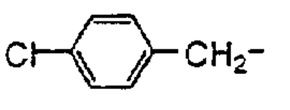
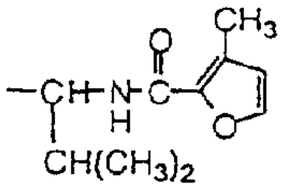
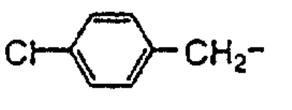
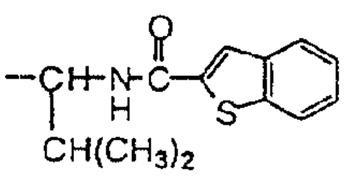
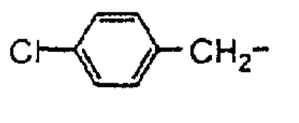
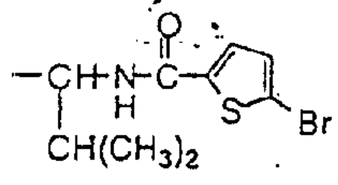
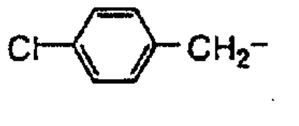
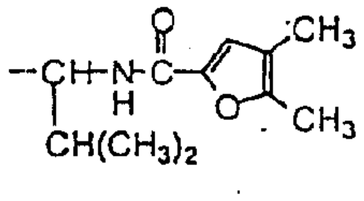
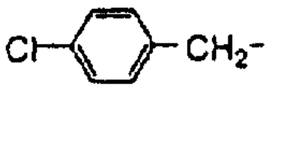
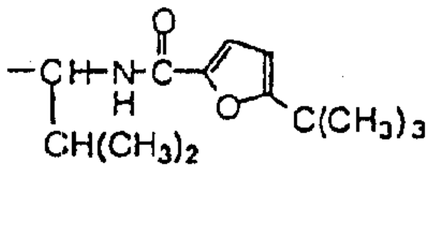
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 672 |  | 2 | 2 | 1 | - | H |  |
| 673 |  | 2 | 2 | 1 | - | H |  |
| 674 |  | 2 | 2 | 1 | - | H |  |
| 675 |  | 2 | 2 | 1 | - | H |  |
| 676 |  | 2 | 2 | 1 | - | H |  |
| 677 |  | 2 | 2 | 1 | - | H |  |
| 678 |  | 2 | 2 | 1 | - | H |  |
| 679 |  | 2 | 2 | 1 | - | H |  |
| 680 |  | 2 | 2 | 1 | - | H |  |
| 681 |  | 2 | 2 | 1 | - | H |  |
| 682 |  | 2 | 2 | 1 | - | H |  |

Table 1.63

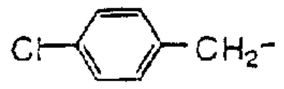
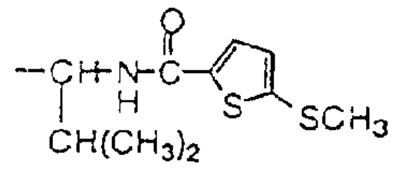
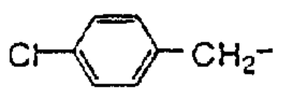
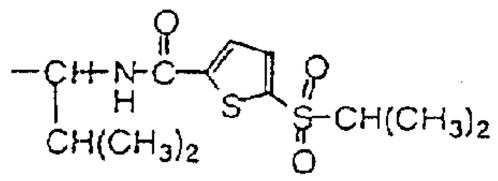
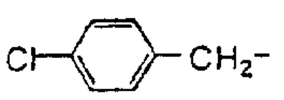
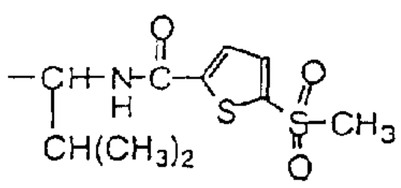
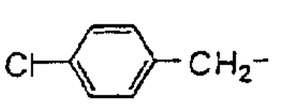
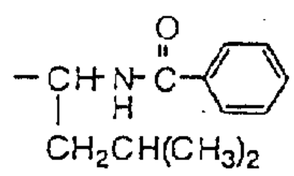
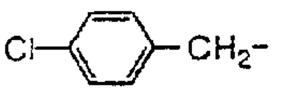
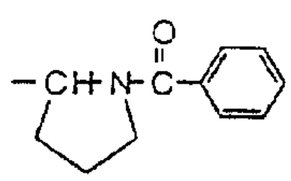
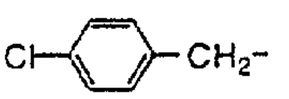
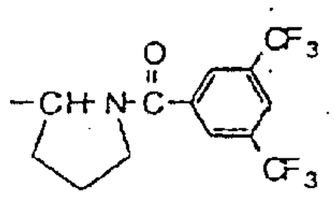
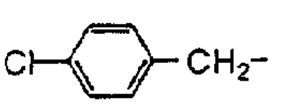
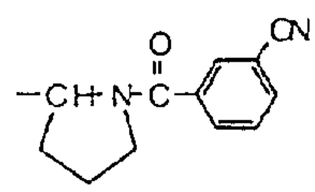
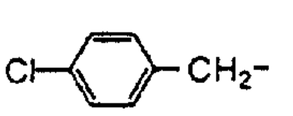
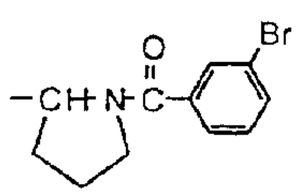
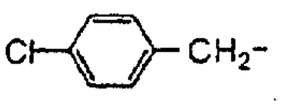
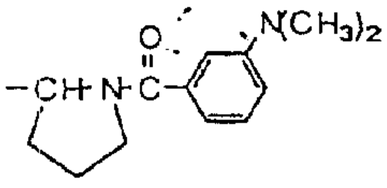
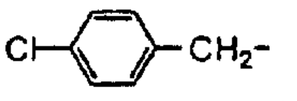
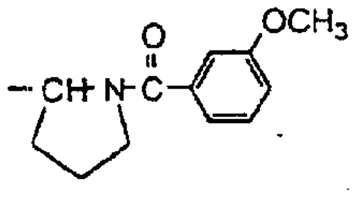
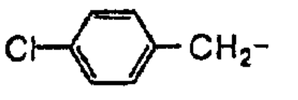
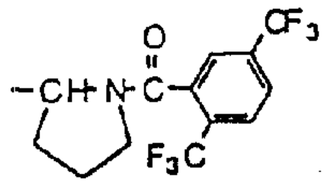
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 683 |  | 2 | 2 | 1 | - | H |  |
| 684 |  | 2 | 2 | 1 | - | H |  |
| 685 |  | 2 | 2 | 1 | - | H |  |
| 686 |  | 2 | 2 | 1 | - | H |  |
| 687 |  | 2 | 2 | 1 | - | H |  |
| 688 |  | 2 | 2 | 1 | - | H |  |
| 689 |  | 2 | 2 | 1 | - | H |  |
| 690 |  | 2 | 2 | 1 | - | H |  |
| 691 |  | 2 | 2 | 1 | - | H |  |
| 692 |  | 2 | 2 | 1 | - | H |  |
| 693 |  | 2 | 2 | 1 | - | H |  |

Table 1.64

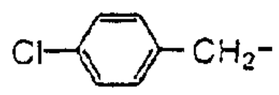
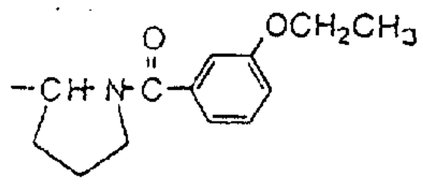
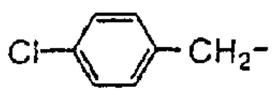
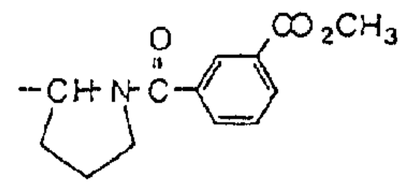
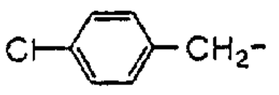
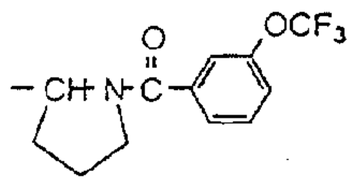
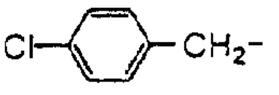
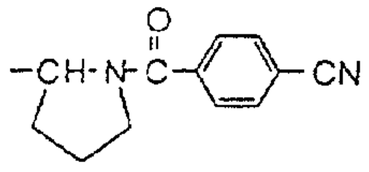
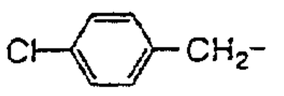
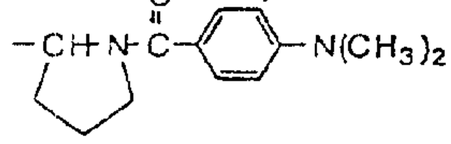
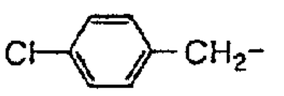
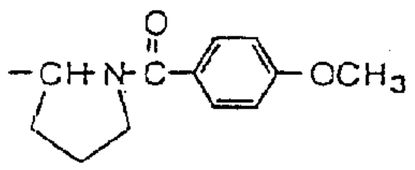
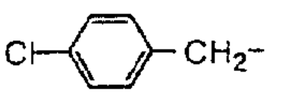
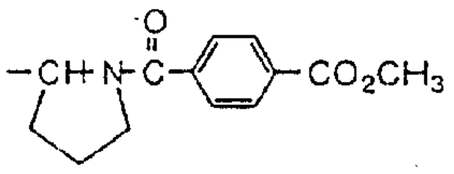
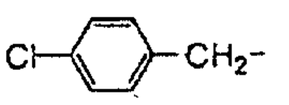
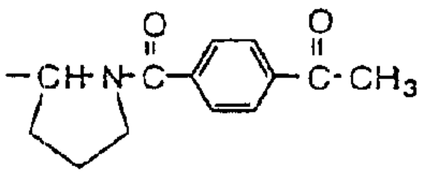
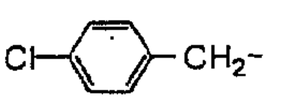
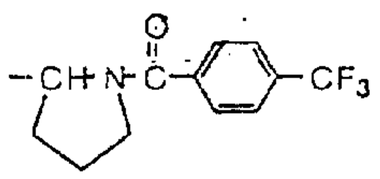
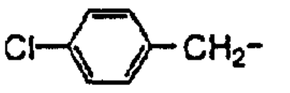
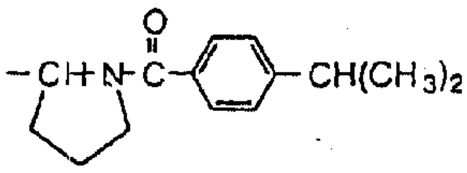
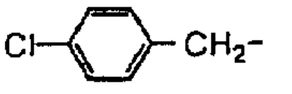
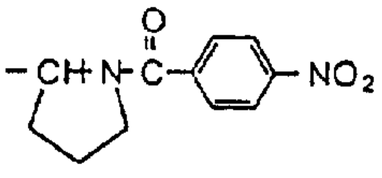
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CH(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 694 |  | 2 | 2 | 1 | - | H |  |
| 695 |  | 2 | 2 | 1 | - | H |  |
| 696 |  | 2 | 2 | 1 | - | H |  |
| 697 |  | 2 | 2 | 1 | - | H |  |
| 698 |  | 2 | 2 | 1 | - | H |  |
| 699 |  | 2 | 2 | 1 | - | H |  |
| 700 |  | 2 | 2 | 1 | - | H |  |
| 701 |  | 2 | 2 | 1 | - | H |  |
| 702 |  | 2 | 2 | 1 | - | H |  |
| 703 |  | 2 | 2 | 1 | - | H |  |
| 704 |  | 2 | 2 | 1 | - | H |  |

Table 1.65

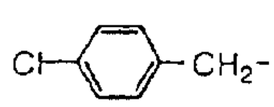
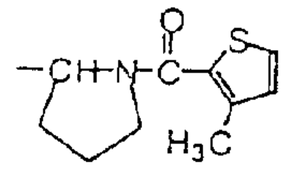
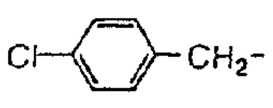
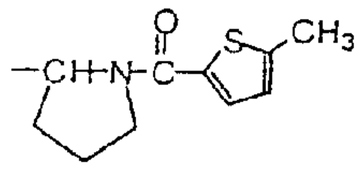
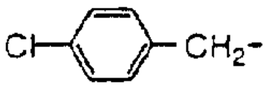
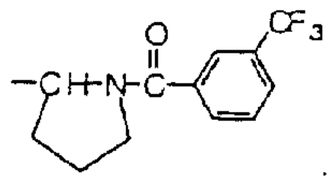
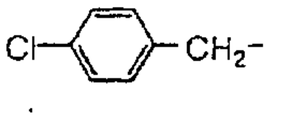
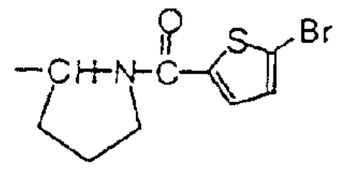
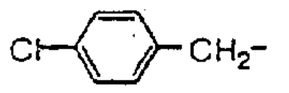
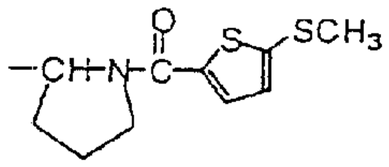
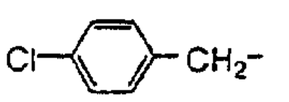
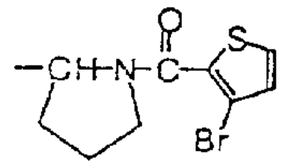
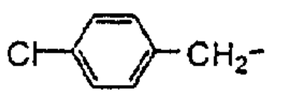
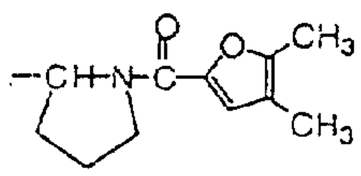
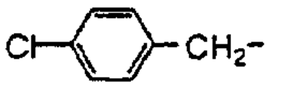
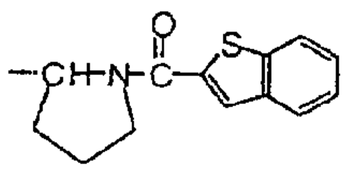
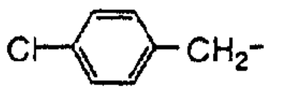
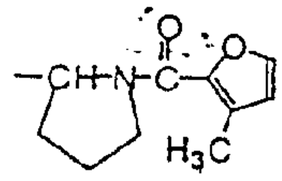
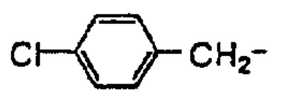
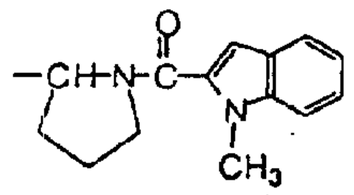
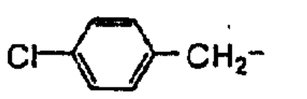
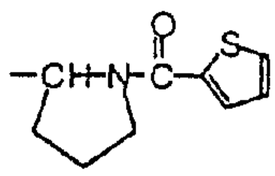
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 705 |  | 2 | 2 | 1 | - | H |  |
| 706 |  | 2 | 2 | 1 | - | H |  |
| 707 |  | 2 | 2 | 1 | - | H |  |
| 708 |  | 2 | 2 | 1 | - | H |  |
| 709 |  | 2 | 2 | 1 | - | H |  |
| 710 |  | 2 | 2 | 1 | - | H |  |
| 711 |  | 2 | 2 | 1 | - | H |  |
| 712 |  | 2 | 2 | 1 | - | H |  |
| 713 |  | 2 | 2 | 1 | - | H |  |
| 714 |  | 2 | 2 | 1 | - | H |  |
| 715 |  | 2 | 2 | 1 | - | H |  |

Table 1.66

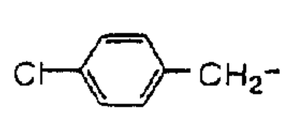
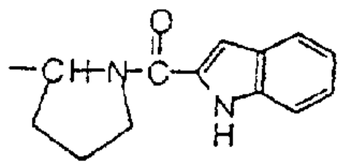
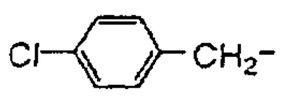
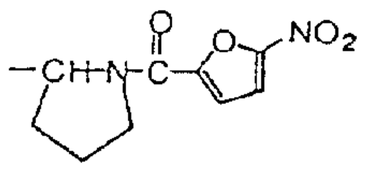
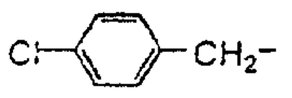
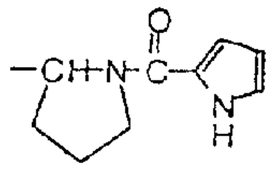
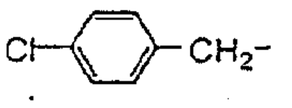
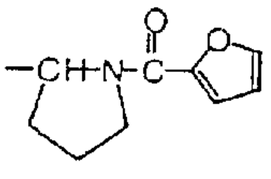
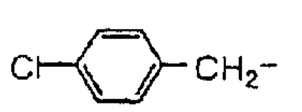
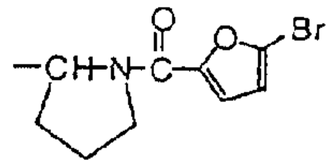
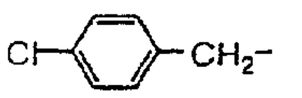
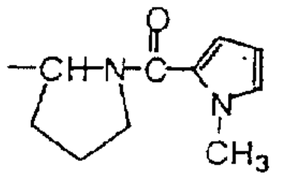
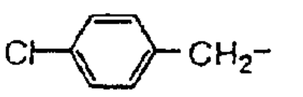
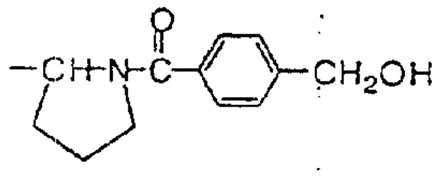
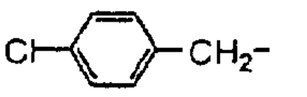
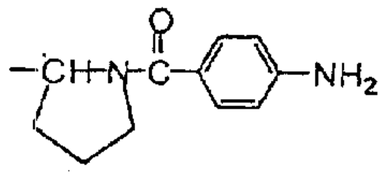
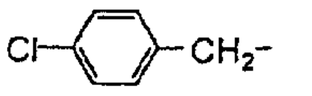
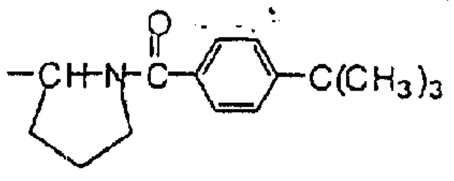
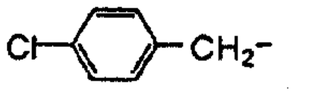
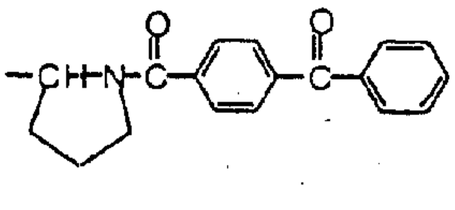
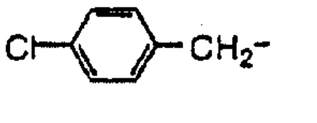
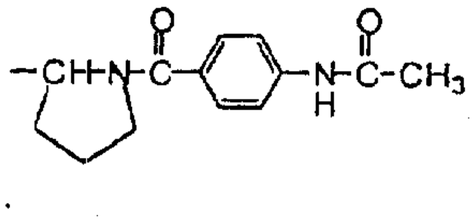
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CH(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 716 |  | 2 | 2 | 1 | - | H |  |
| 717 |  | 2 | 2 | 1 | - | H |  |
| 718 |  | 2 | 2 | 1 | - | H |  |
| 719 |  | 2 | 2 | 1 | - | H |  |
| 720. |  | 2 | 2 | 1 | - | H |  |
| 721 |  | 2 | 2 | 1 | - | H |  |
| 722 |  | 2 | 2 | 1 | - | H |  |
| 723 |  | 2 | 2 | 1 | - | H |  |
| 724 |  | 2 | 2 | 1 | - | H |  |
| 725 |  | 2 | 2 | 1 | - | H |  |
| 726 |  | 2 | 2 | 1 | - | H |  |

Table 1.67

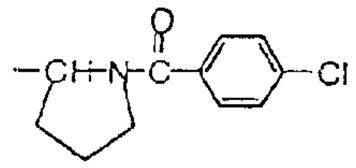
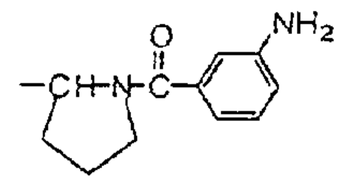
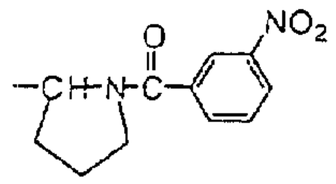
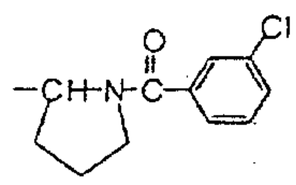
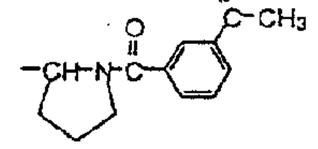
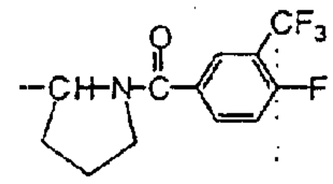
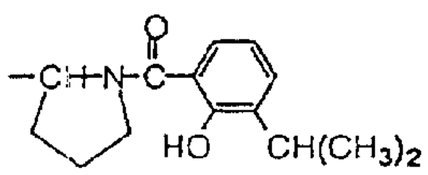
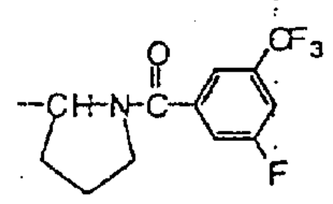
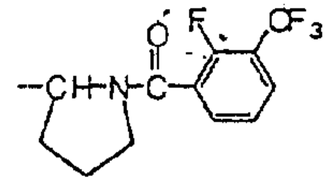
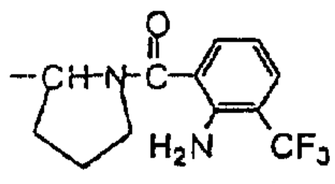
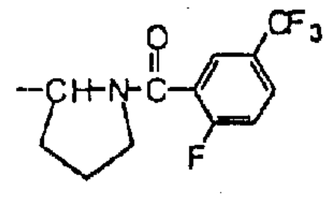
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CH(R^4)-(CH_2)_q-G-R^6$ ($R^5$) |
|---|---|---|---|---|---|---|---|
| 727 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 728 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 729 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 730 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 731 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 732 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 733 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 734 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 735 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 736 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 737 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |

Table 1.68

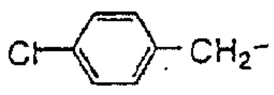
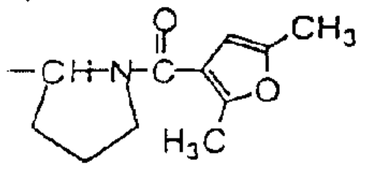
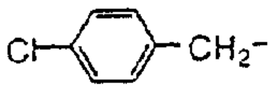
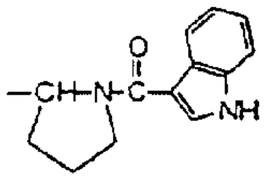
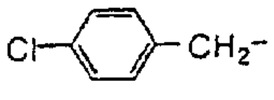
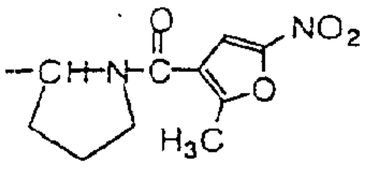
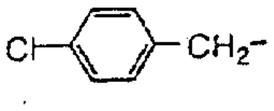
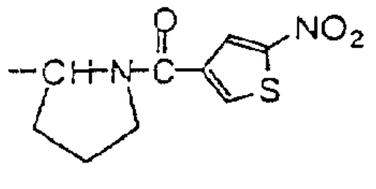
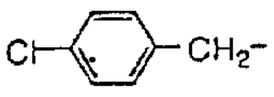
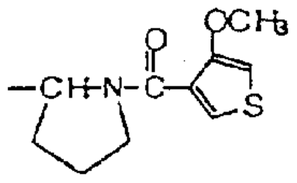
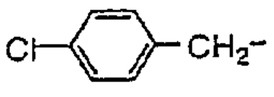
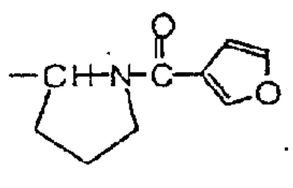
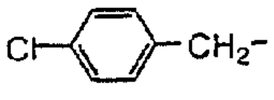
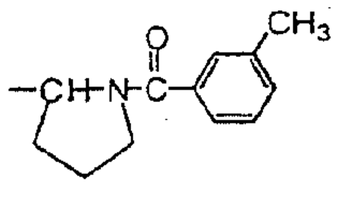
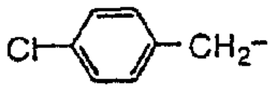
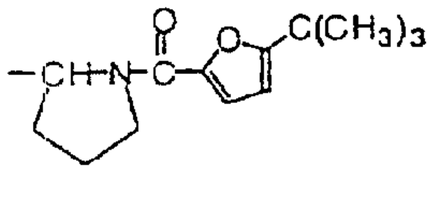
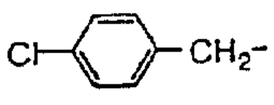
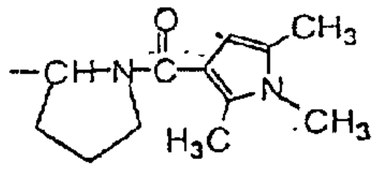
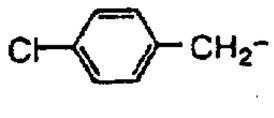
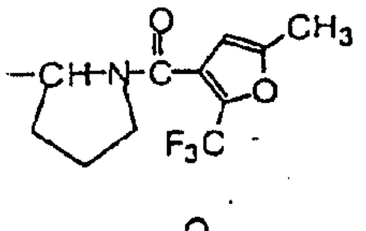
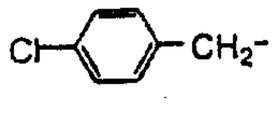
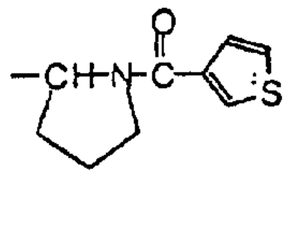
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 738 |  | 2 | 2 | 1 | - | H |  |
| 739 |  | 2 | 2 | 1 | - | H |  |
| 740 |  | 2 | 2 | 1 | - | H |  |
| 741 |  | 2 | 2 | 1 | - | H |  |
| 742 |  | 2 | 2 | 1 | - | H |  |
| 743 |  | 2 | 2 | 1 | - | H |  |
| 744 |  | 2 | 2 | 1 | - | H |  |
| 745 |  | 2 | 2 | 1 | - | H |  |
| 746 |  | 2 | 2 | 1 | - | H |  |
| 747 |  | 2 | 2 | 1 | - | H |  |
| 748 |  | 2 | 2 | 1 | - | H |  |

Table 1.69

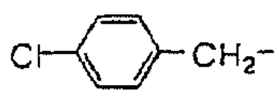
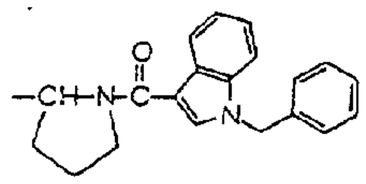
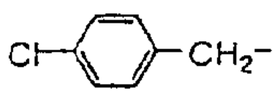
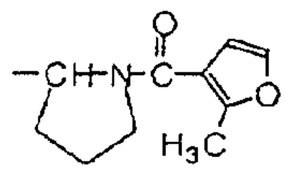
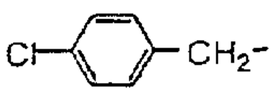
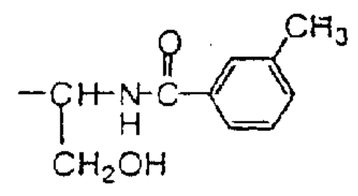
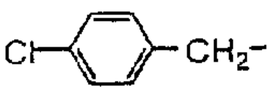
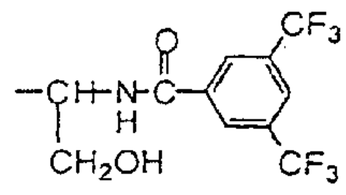
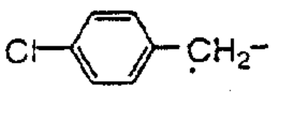
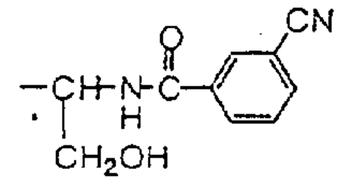
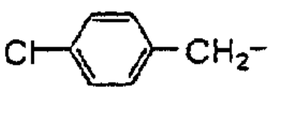
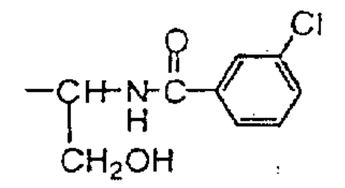
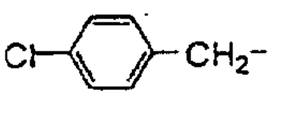
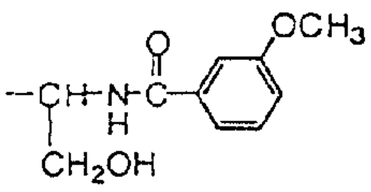
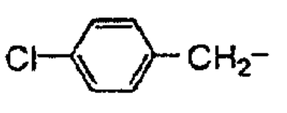
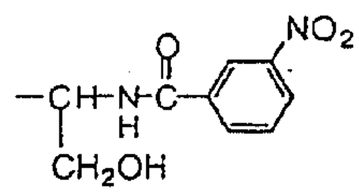
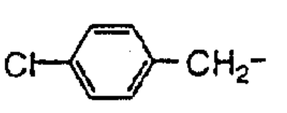
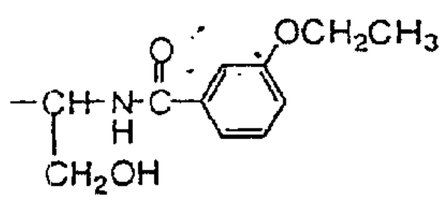
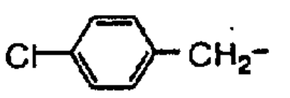
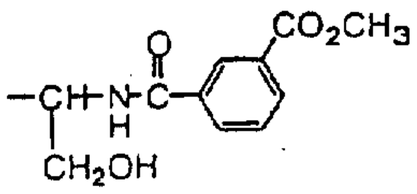
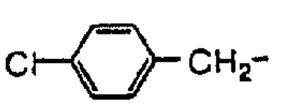
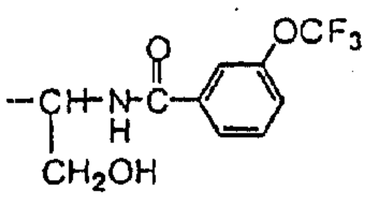
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 749 |  | 2 | 2 | 1 | - | H |  |
| 750 |  | 2 | 2 | 1 | - | H |  |
| 751 |  | 2 | 2 | 1 | - | H |  |
| 752 |  | 2 | 2 | 1 | - | H |  |
| 753 |  | 2 | 2 | 1 | - | H |  |
| 754 |  | 2 | 2 | 1 | - | H |  |
| 755 |  | 2 | 2 | 1 | - | H |  |
| 756 |  | 2 | 2 | 1 | - | H |  |
| 757 |  | 2 | 2 | 1 | - | H |  |
| 758 |  | 2 | 2 | 1 | - | H |  |
| 759 |  | 2 | 2 | 1 | - | H |  |

Table 1.70

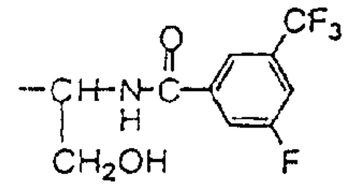
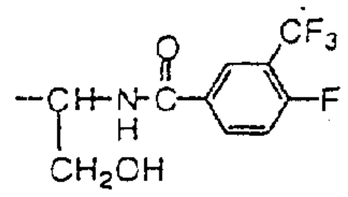
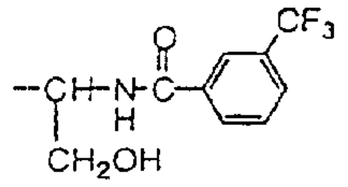
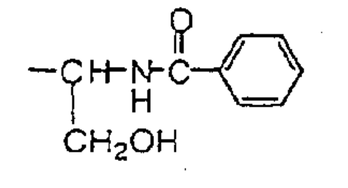
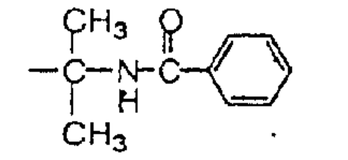
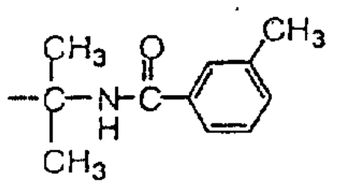
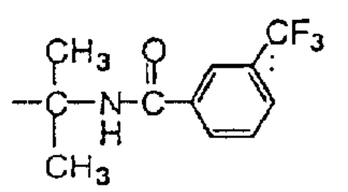
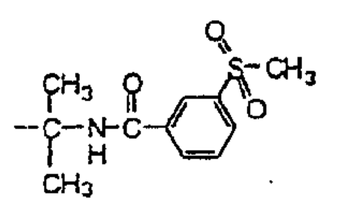
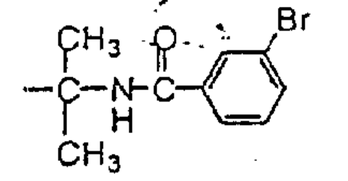
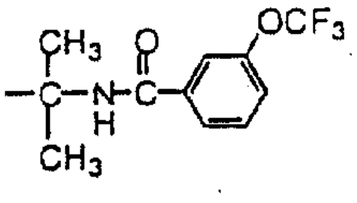
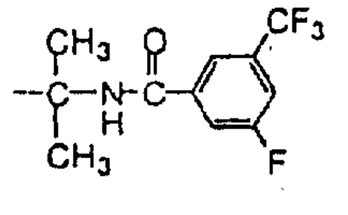
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 760 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 761 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 762 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 763 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 764 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 765 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 766 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 767 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 768 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 769 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 770 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |

Table 1.71

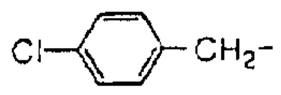
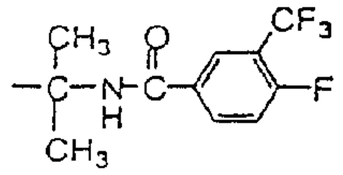
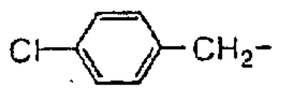
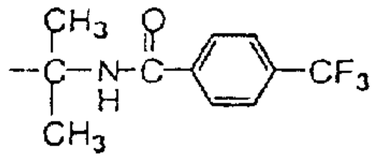
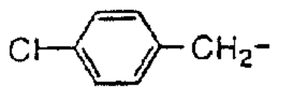
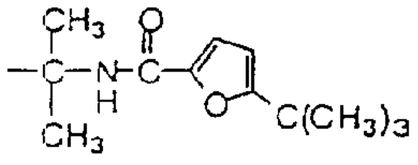
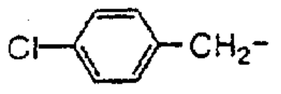
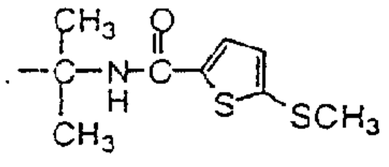
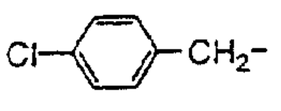
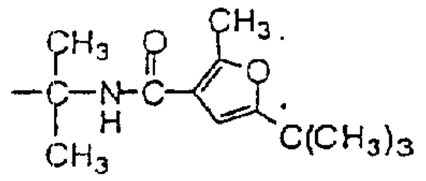
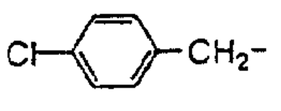
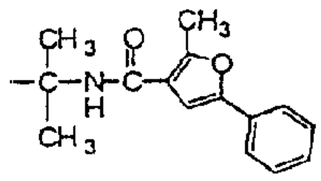
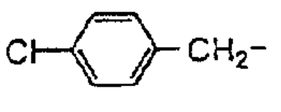
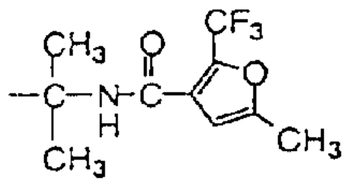
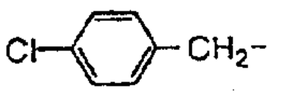
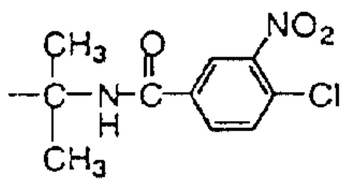
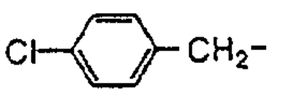
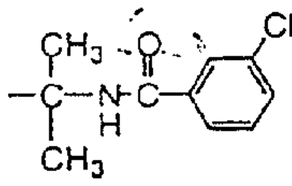
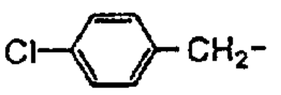
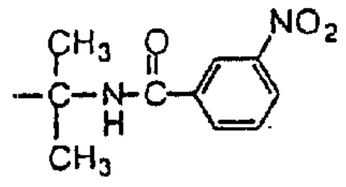
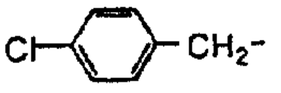
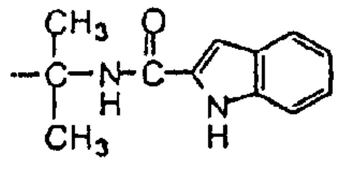
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 771 |  | 2 | 2 | 1 | - | H |  |
| 772 |  | 2 | 2 | 1 | - | H |  |
| 773 |  | 2 | 2 | 1 | - | H |  |
| 774 |  | 2 | 2 | 1 | - | H |  |
| 775 |  | 2 | 2 | 1 | - | H |  |
| 776 |  | 2 | 2 | 1 | - | H |  |
| 777 |  | 2 | 2 | 1 | - | H |  |
| 778 |  | 2 | 2 | 1 | - | H |  |
| 779 |  | 2 | 2 | 1 | - | H |  |
| 780 |  | 2 | 2 | 1 | - | H |  |
| 781 |  | 2 | 2 | 1 | - | H |  |

Table 1.72

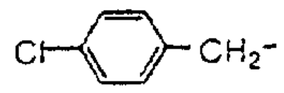
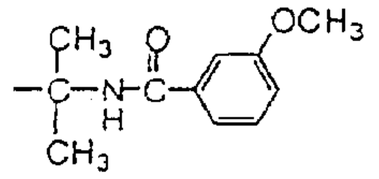
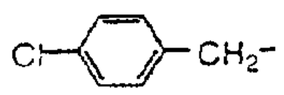
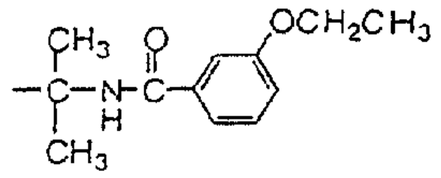
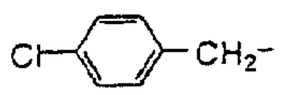
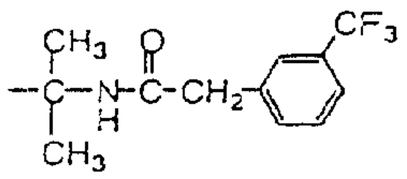
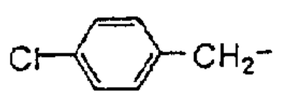
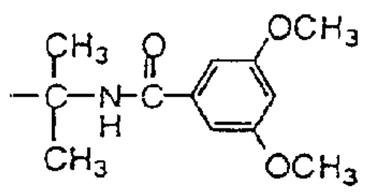
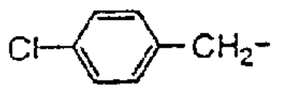
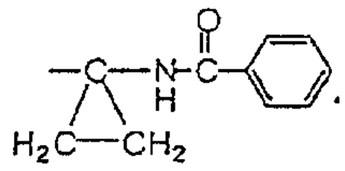
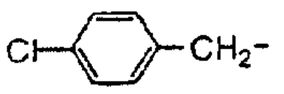
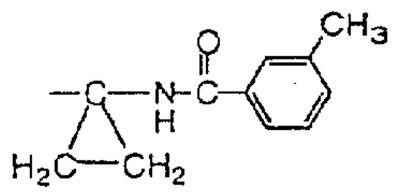
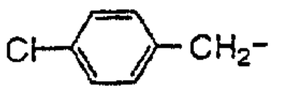
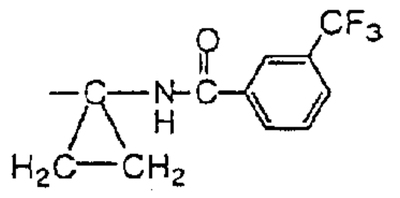
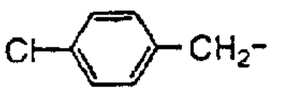
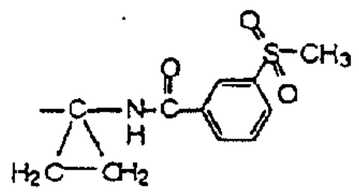
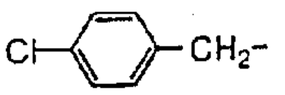
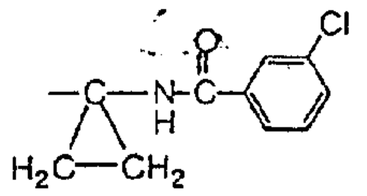
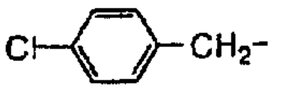
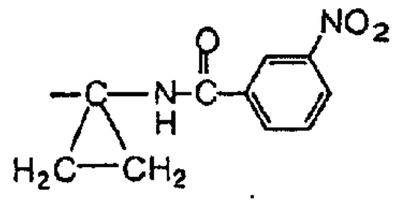
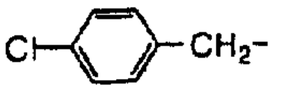
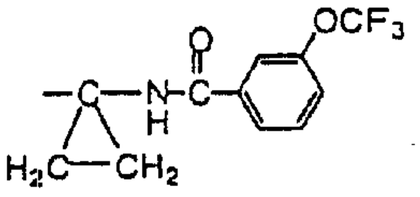
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 782 |  | 2 | 2 | 1 | - | H |  |
| 783 |  | 2 | 2 | 1 | - | H |  |
| 784 |  | 2 | 2 | 1 | - | H |  |
| 785 |  | 2 | 2 | 1 | - | H |  |
| 786 |  | 2 | 2. | 1 | - | H |  |
| 787 |  | 2 | 2 | 1 | - | H |  |
| 788 |  | 2 | 2 | 1 | - | H |  |
| 789 |  | 2 | 2 | 1 | - | H |  |
| 790 |  | 2 | 2 | 1 | - | H |  |
| 791 |  | 2 | 2 | 1 | - | H |  |
| 792 |  | 2 | 2 | 1 | - | H |  |

Table 1.73

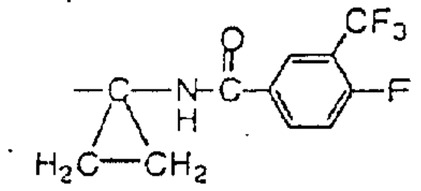
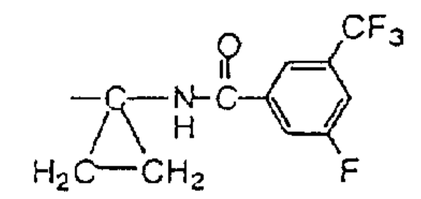
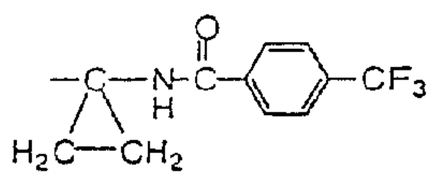
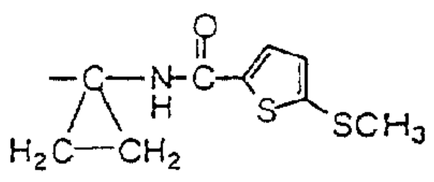
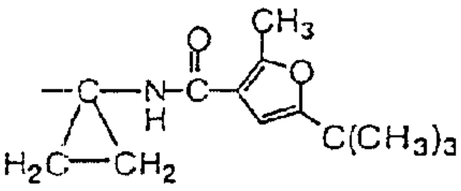
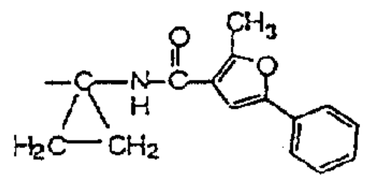
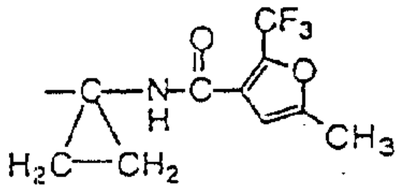
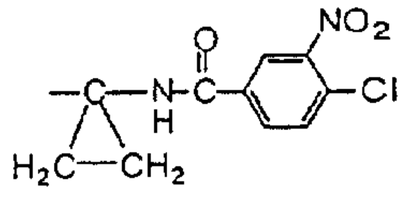
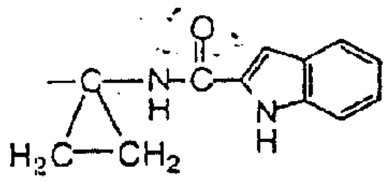
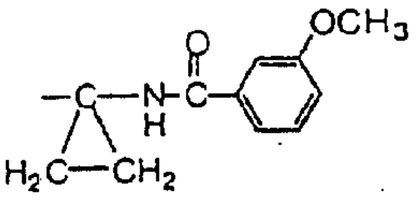
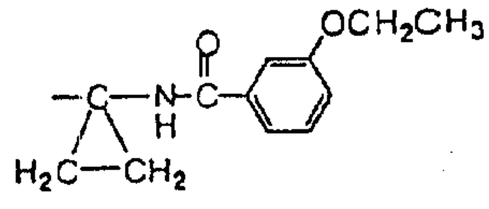
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 793 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |
| 794 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |
| 795 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |
| 796 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |
| 797 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |
| 798 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |
| 799 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |
| 800 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |
| 801 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |
| 802 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |
| 803 | Cl, $CH_2$- | 2 | 2 | 1 | - | H |  |

Table 1.74

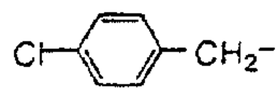
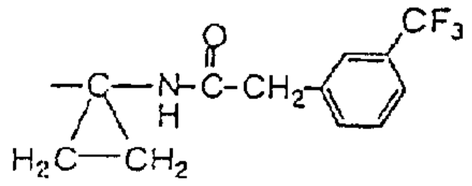
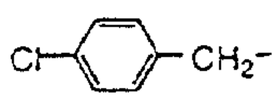
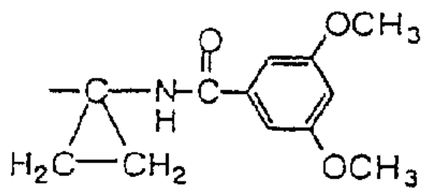
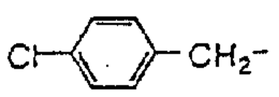
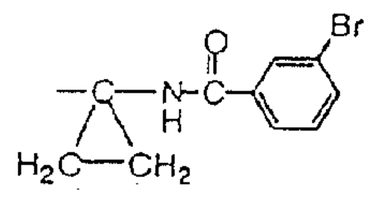
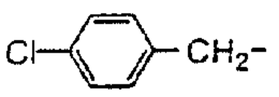
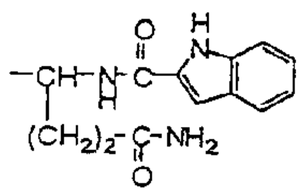
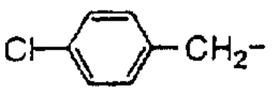
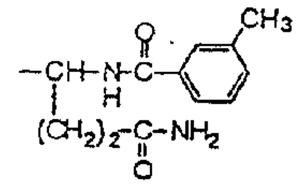
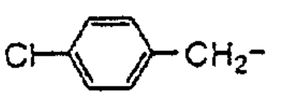
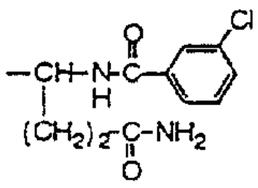
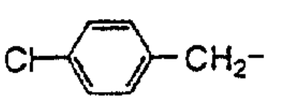
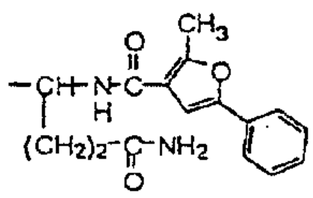
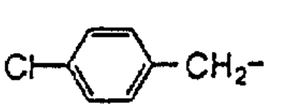
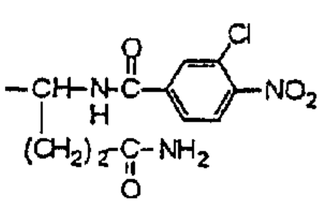
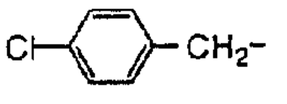
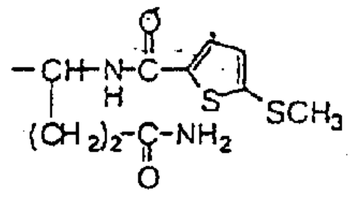
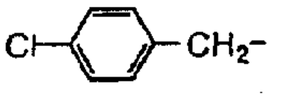
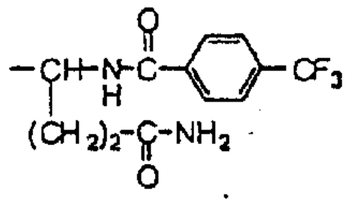
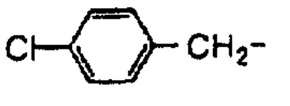
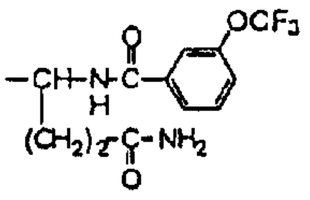
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 804 |  | 2 | 2 | 1 | - | H |  |
| 805 |  | 2 | 2 | 1 | - | H |  |
| 806 |  | 2 | 2 | 1 | - | H |  |
| 807 |  | 2 | 2 | 1 | - | H |  |
| 808 |  | 2 | 2 | 1 | - | H |  |
| 809 |  | 2 | 2 | 1 | - | H |  |
| 810 |  | 2 | 2 | 1 | - | H |  |
| 811 |  | 2 | 2 | 1 | - | H |  |
| 812 |  | 2 | 2 | 1 | - | H |  |
| 813 |  | 2 | 2 | 1 | - | H |  |
| 814 |  | 2 | 2 | 1 | - | H |  |

Table 1.75

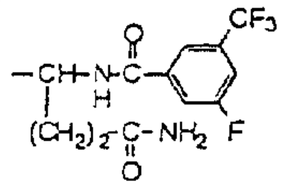
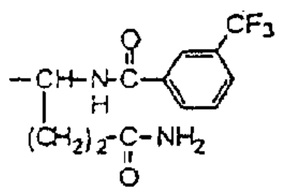
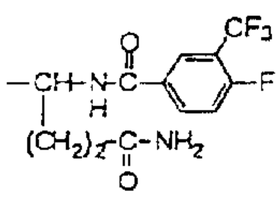
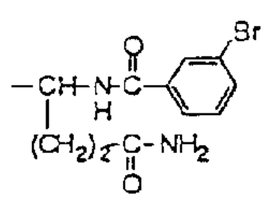
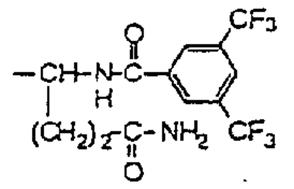
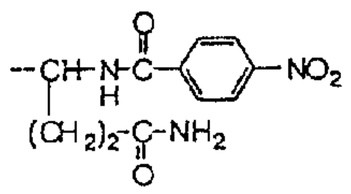
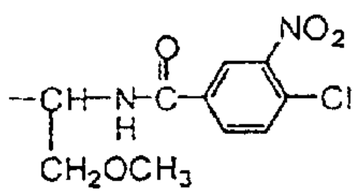
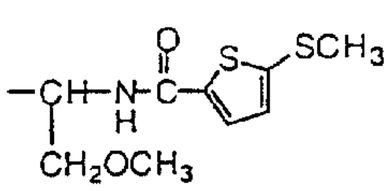
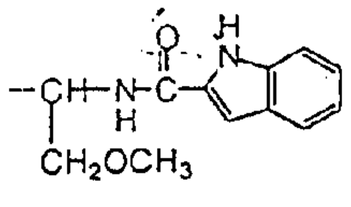
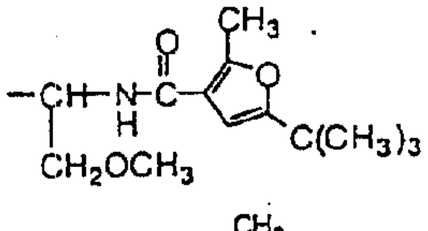
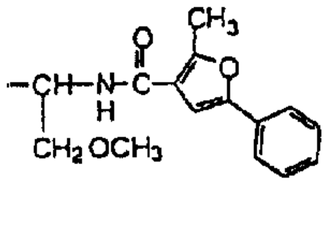
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 815 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 816 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 817 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 818 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 819 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 820 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 821 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 822 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 823 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 824 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 825 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |

Table 1.76

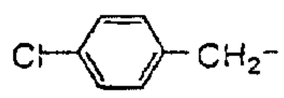
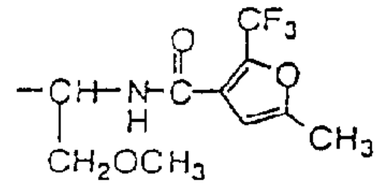
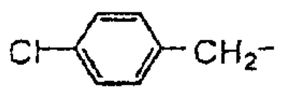
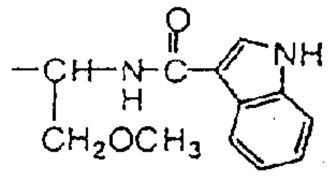
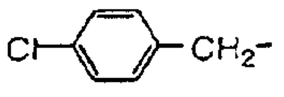
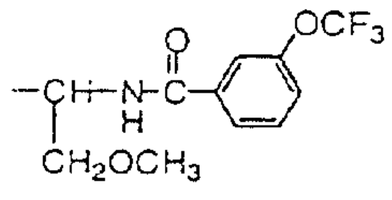
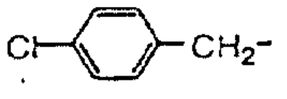
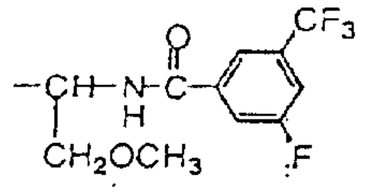
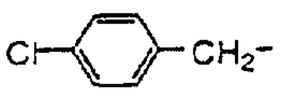
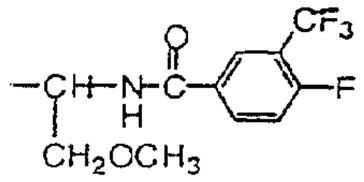
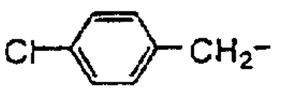
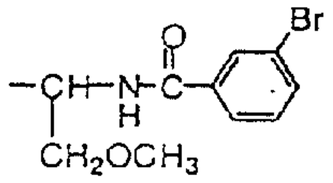
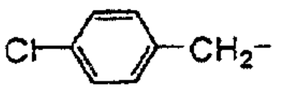
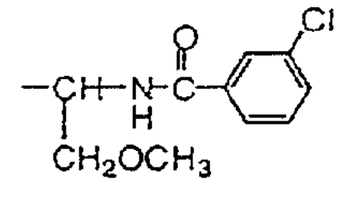
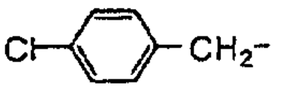
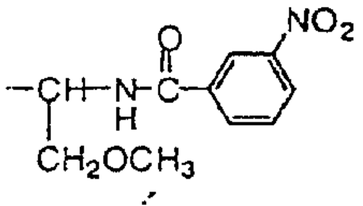
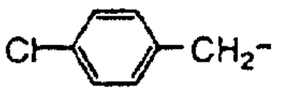
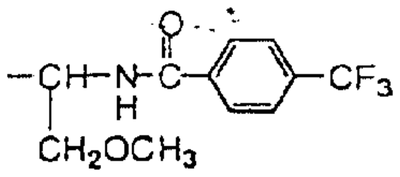
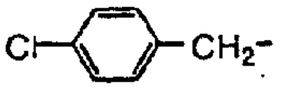
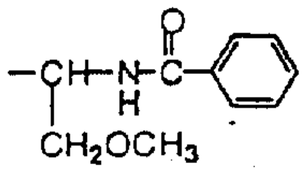
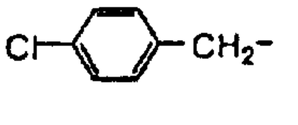
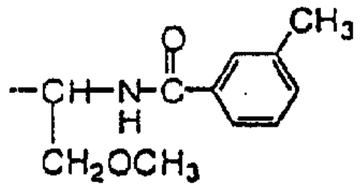
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 826 |  | 2 | 2 | 1 | - | H |  |
| 827 |  | 2 | 2 | 1 | - | H |  |
| 828 |  | 2 | 2 | 1 | - | H |  |
| 829 |  | 2 | 2 | 1 | - | H |  |
| 830 |  | 2 | 2 | 1 | - | H |  |
| 831 |  | 2 | 2 | 1 | - | H |  |
| 832 |  | 2 | 2 | 1 | - | H |  |
| 833 |  | 2 | 2 | 1 | - | H |  |
| 834 |  | 2 | 2 | 1 | - | H |  |
| 835 |  | 2 | 2 | 1 | - | H |  |
| 836 |  | 2 | 2 | 1 | - | H |  |

Table 1.77

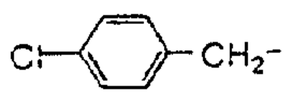
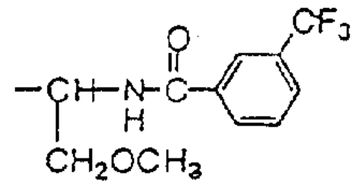
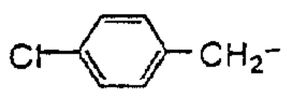
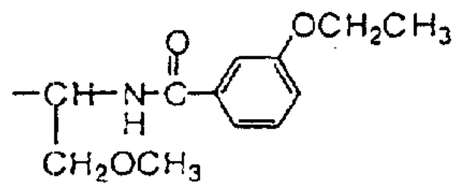
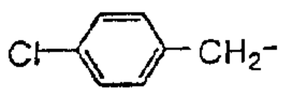
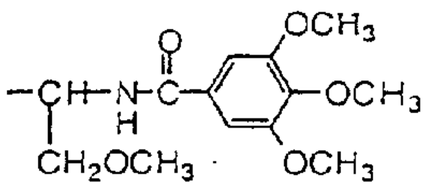
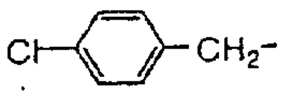
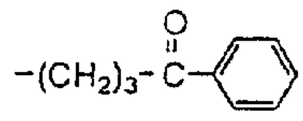
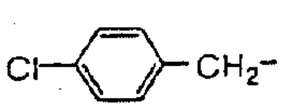
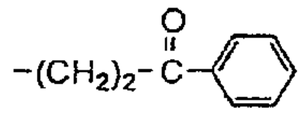
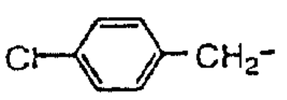
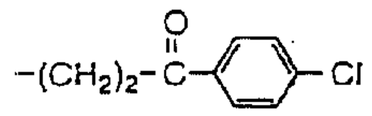
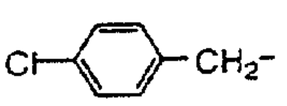
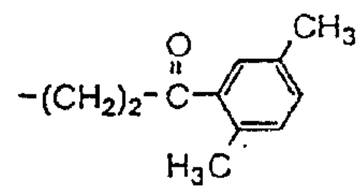
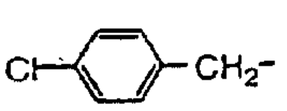
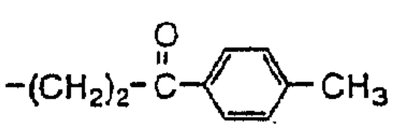
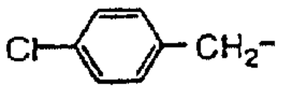
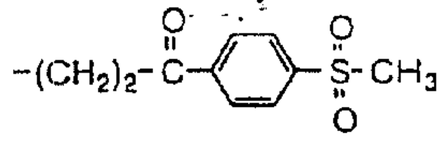
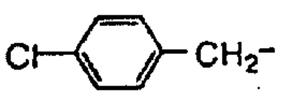
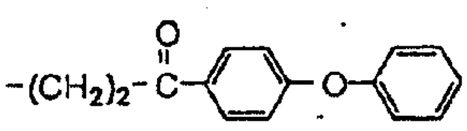
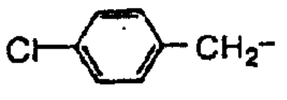
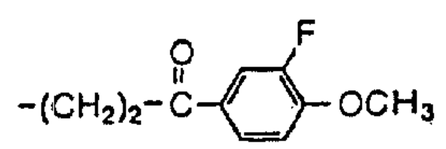
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 837 |  | 2 | 2 | 1 | - | H |  |
| 838 |  | 2 | 2 | 1 | - | H |  |
| 839 |  | 2 | 2 | 1 | - | H |  |
| 840 |  | 2 | 2 | 1 | - | H |  |
| 841 |  | 2 | 2 | 1 | - | H |  |
| 842 |  | 2 | 2 | 1 | - | H |  |
| 843 |  | 2 | 2 | 1 | - | H |  |
| 844 |  | 2 | 2 | 1 | - | H |  |
| 845 |  | 2 | 2 | 1 | - | H |  |
| 846 |  | 2 | 2 | 1 | - | H |  |
| 847 |  | 2 | 2 | 1 | - | H |  |

Table 1.78

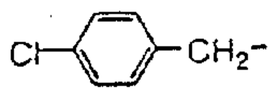
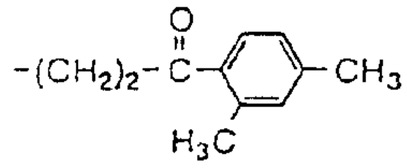
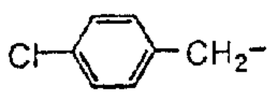
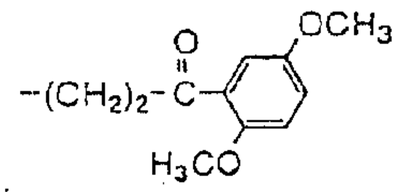
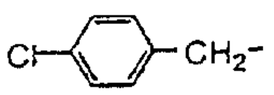
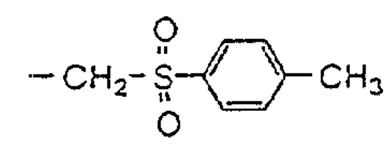
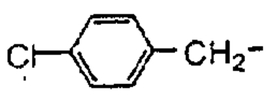
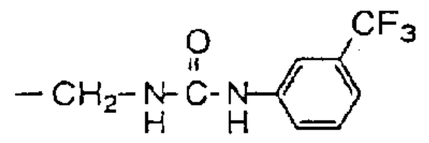
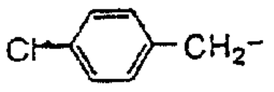
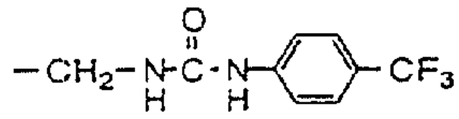
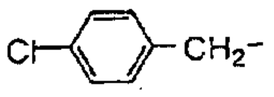
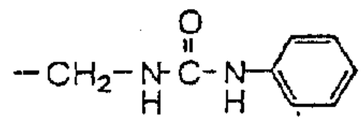
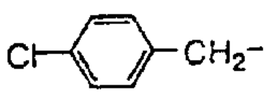
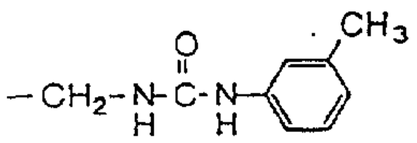
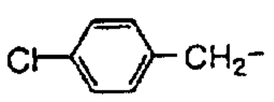
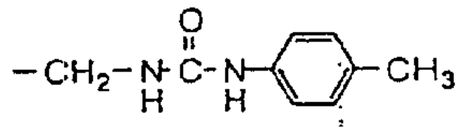
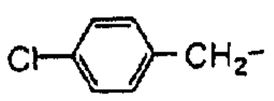
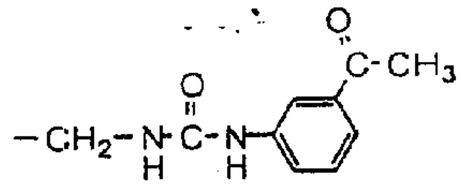
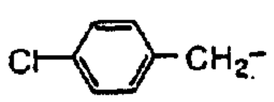
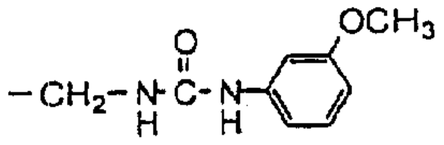
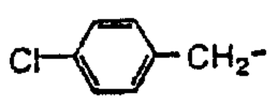
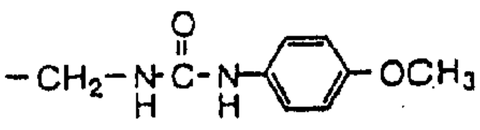
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 848 |  | 2 | 2 | 1 | - | H |  |
| 849 |  | 2 | 2 | 1 | - | H |  |
| 850 |  | 2 | 2 | 1 | - | H |  |
| 851 |  | 2 | 2 | 1 | - | H |  |
| 852 |  | 2 | 2 | 1 | - | H |  |
| 853 |  | 2 | 2 | 1 | - | H |  |
| 854 |  | 2 | 2 | 1 | - | H |  |
| 855 |  | 2 | 2 | 1 | - | H |  |
| 856 |  | 2 | 2 | 1 | - | H |  |
| 857 |  | 2 | 2 | 1 | - | H |  |
| 858 |  | 2 | 2 | 1 | - | H |  |

Table 1.79

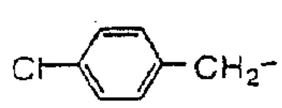
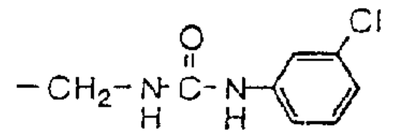
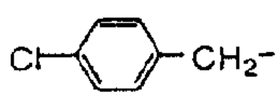
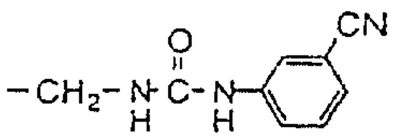
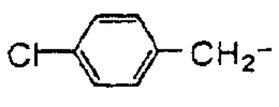
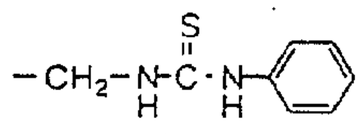
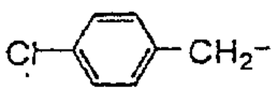
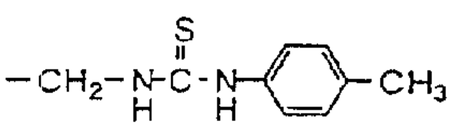
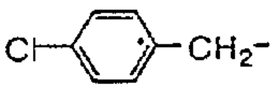
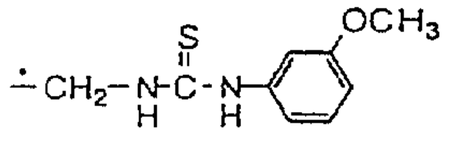
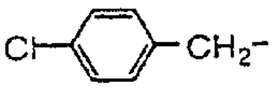
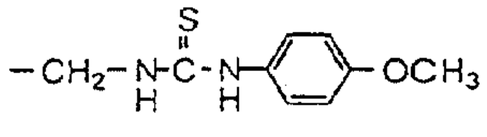
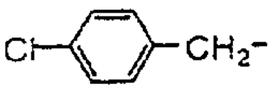
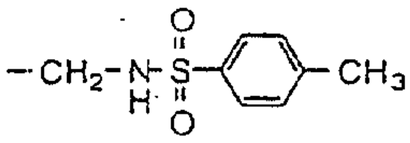
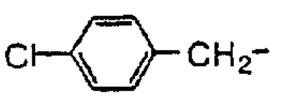
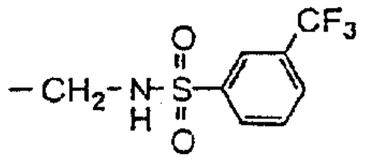
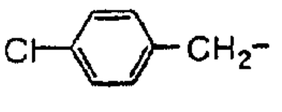
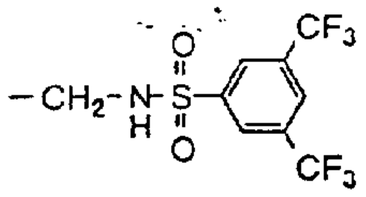
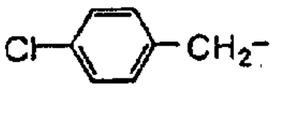
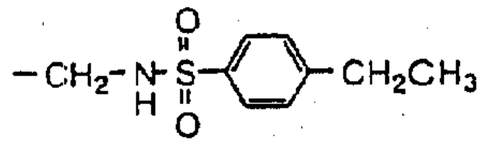
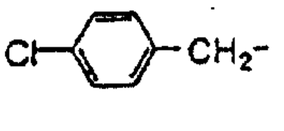
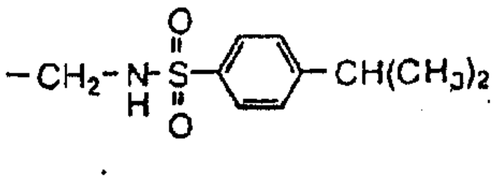
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 859 |  | 2 | 2 | 1 | - | H |  |
| 860 |  | 2 | 2 | 1 | - | H |  |
| 861 |  | 2 | 2 | 1 | - | H |  |
| 862 |  | 2 | 2 | 1 | - | H |  |
| 863 |  | 2 | 2 | 1 | - | H |  |
| 864 |  | 2 | 2 | 1 | - | H |  |
| 865 |  | 2 | 2 | 1 | - | H |  |
| 866 |  | 2 | 2 | 1 | - | H |  |
| 867 |  | 2 | 2 | 1 | - | H |  |
| 868 |  | 2 | 2 | 1 | - | H |  |
| 869 |  | 2 | 2 | 1 | - | H |  |

Table 1.80

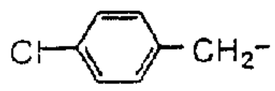
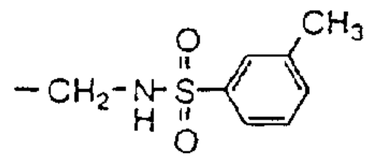
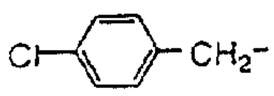
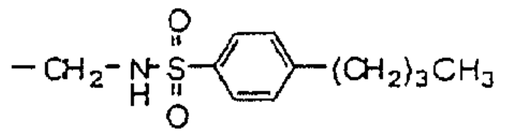
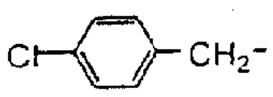
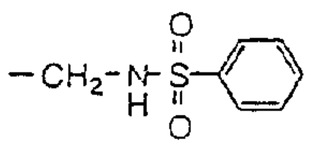
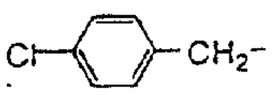
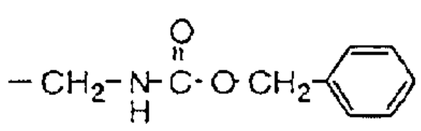
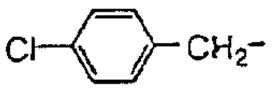
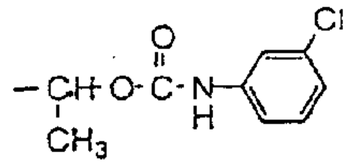
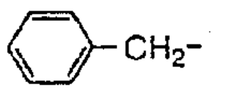
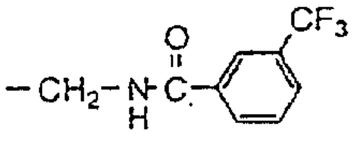
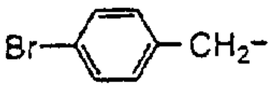
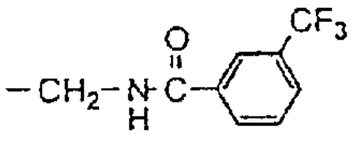
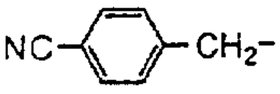
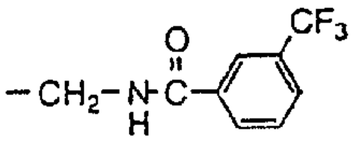
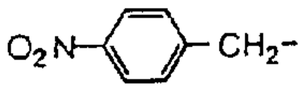
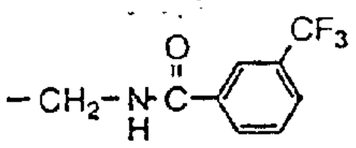
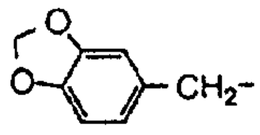
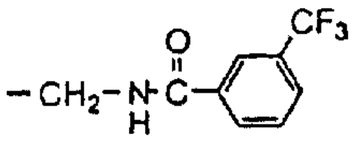
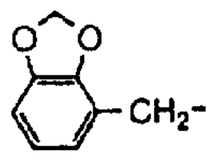
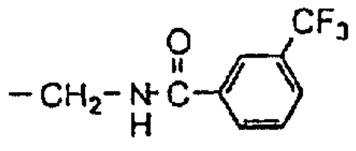
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 870 |  | 2 | 2 | 1 | - | H |  |
| 871 |  | 2 | 2 | 1 | - | H |  |
| 872 |  | 2 | 2 | 1 | - | H |  |
| 873 |  | 2 | 2 | 1 | - | H |  |
| 874 |  | 2 | 2 | 1 | - | H |  |
| 875 |  | 2 | 2 | 1 | - | H |  |
| 876 |  | 2 | 2 | 1 | - | H |  |
| 877 |  | 2 | 2 | 1 | - | H |  |
| 878 |  | 2 | 2 | 1 | - | H |  |
| 879 |  | 2 | 2 | 1 | - | H |  |
| 880 |  | 2 | 2 | 1 | - | H |  |

Table 1.81

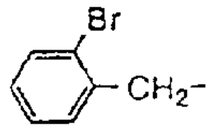
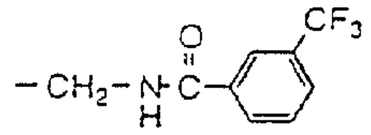
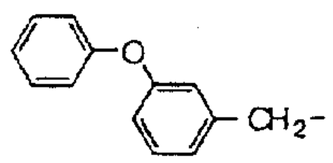
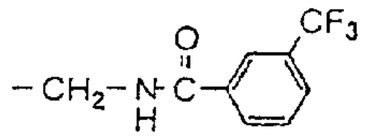
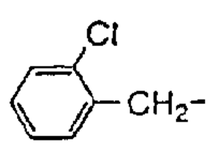
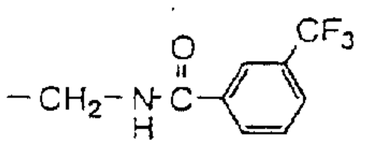
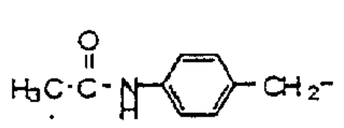
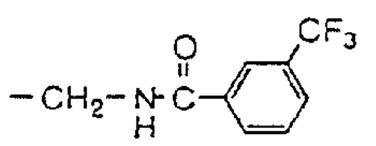
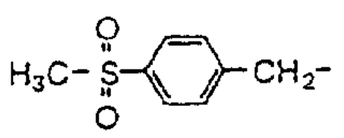
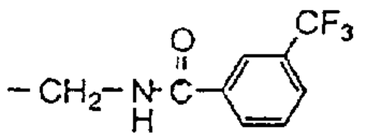
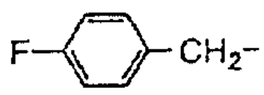
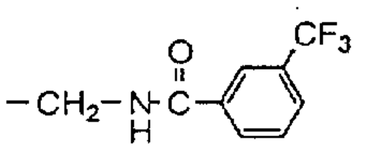
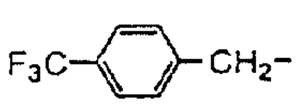
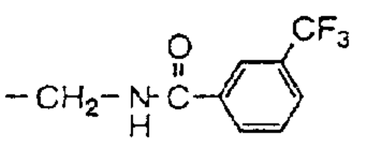
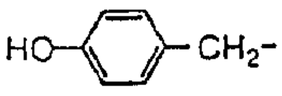
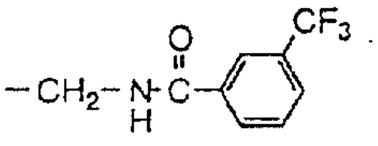
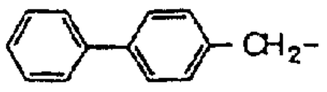
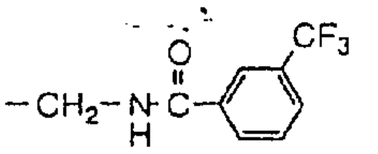
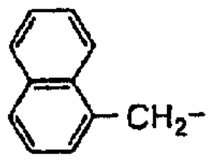
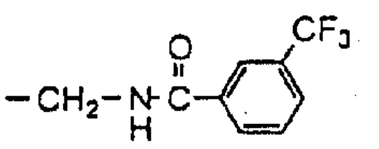
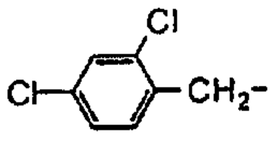
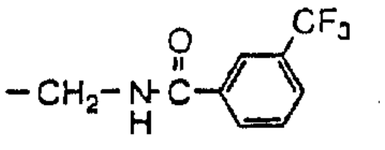
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 881 |  | 2 | 2 | 1 | - | H |  |
| 882 |  | 2 | 2 | 1 | - | H |  |
| 883 |  | 2 | 2 | 1 | - | H |  |
| 884 |  | 2 | 2 | 1 | - | H |  |
| 885 |  | 2 | 2 | 1 | - | H |  |
| 886 |  | 2 | 2 | 1 | - | H |  |
| 887 |  | 2 | 2 | 1 | - | H |  |
| 888 |  | 2 | 2 | 1 | - | H |  |
| 889 |  | 2 | 2 | 1 | - | H |  |
| 890 |  | 2 | 2 | 1 | - | H |  |
| 891 |  | 2 | 2 | 1 | - | H |  |

Table 1.82

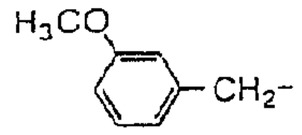
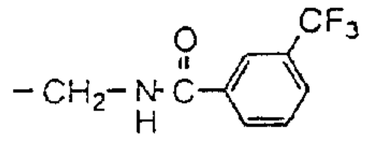
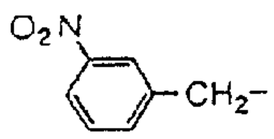
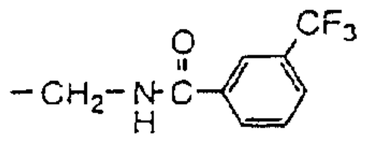
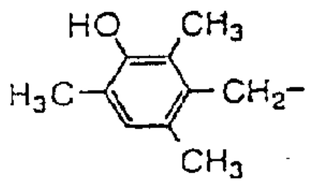
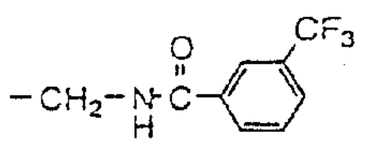
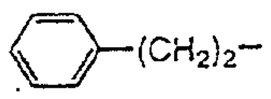
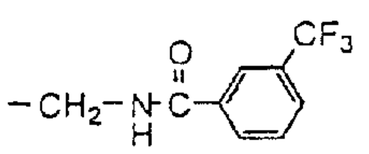
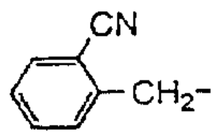
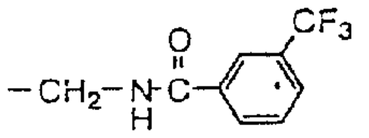
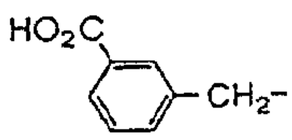
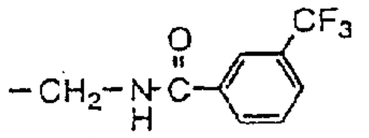
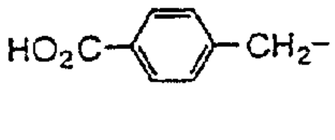
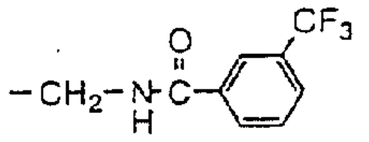
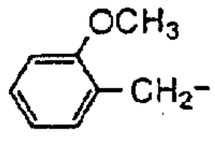
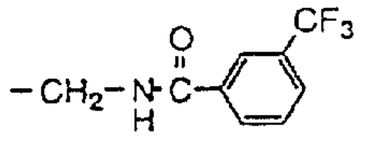
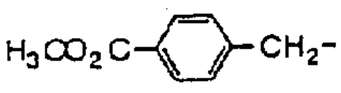
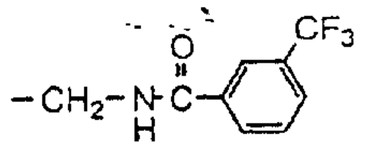
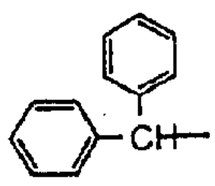
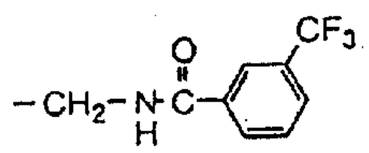
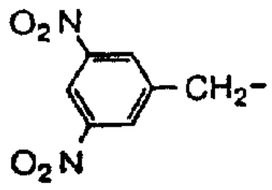
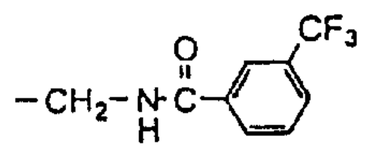
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 892 |  | 2 | 2 | 1 | - | H |  |
| 893 |  | 2 | 2 | 1 | - | H |  |
| 894 |  | 2 | 2 | 1 | - | H |  |
| 895 |  | 2 | 2 | 1 | - | H |  |
| 896 |  | 2 | 2 | 1 | - | H |  |
| 897 |  | 2 | 2 | 1 | - | H |  |
| 898 |  | 2 | 2 | 1 | - | H |  |
| 899 |  | 2 | 2 | 1 | - | H |  |
| 900 |  | 2 | 2 | 1 | - | H |  |
| 901 |  | 2 | 2 | 1 | - | H |  |
| 902 |  | 2 | 2 | 1 | - | H |  |

Table 1.83

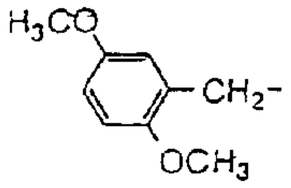
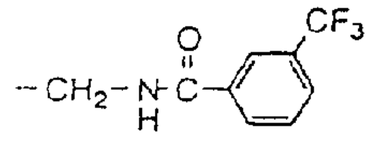
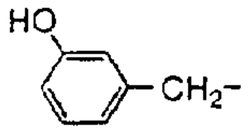
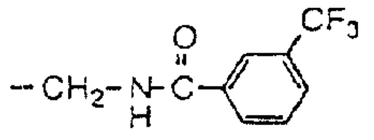
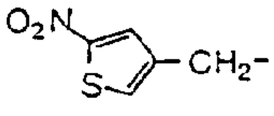
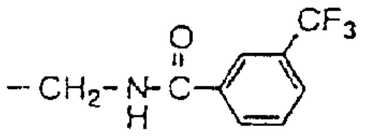
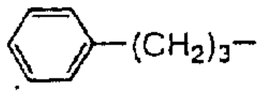
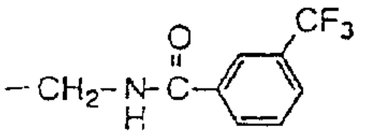
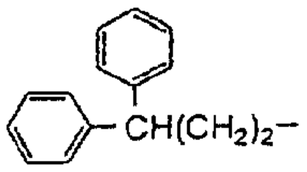
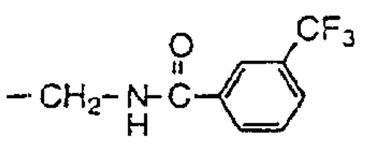
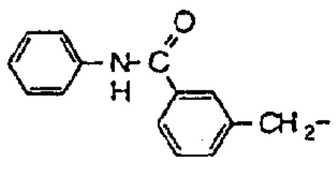
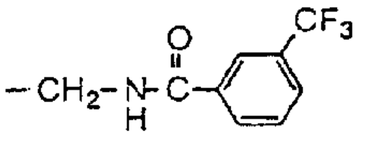
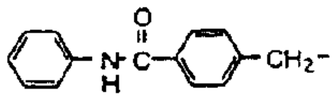
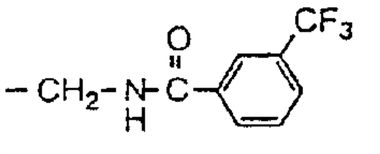
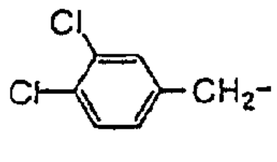
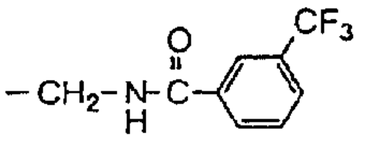
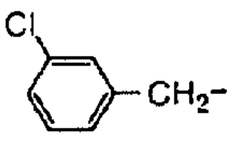
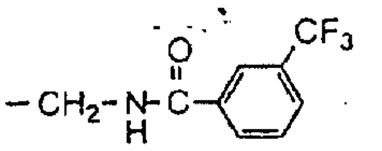
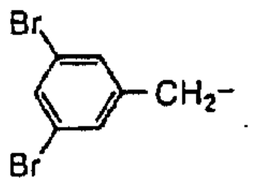
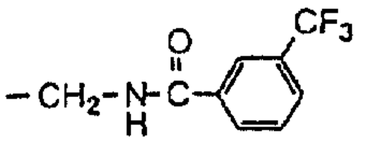
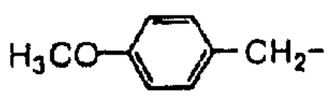
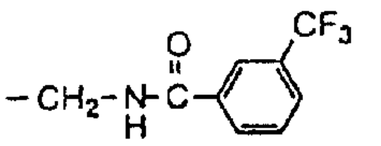
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 903 |  | 2 | 2 | 1 | - | H |  |
| 904 |  | 2 | 2 | 1 | - | H |  |
| 905 |  | 2 | 2 | 1 | - | H |  |
| 906 |  | 2 | 2 | 1 | - | H |  |
| 907 |  | 2 | 2 | 1 | - | H |  |
| 908 |  | 2 | 2 | 1 | - | H |  |
| 909 |  | 2 | 2 | 1 | - | H |  |
| 910 |  | 2 | 2 | 1 | - | H |  |
| 911 |  | 2 | 2 | 1 | - | H |  |
| 912 |  | 2 | 2 | 1 | - | H |  |
| 913 |  | 2 | 2 | 1 | - | H |  |

Table 1.84

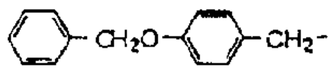
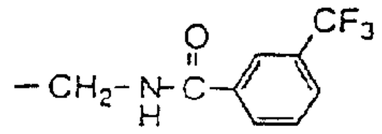
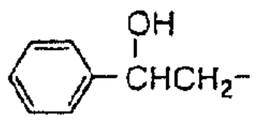
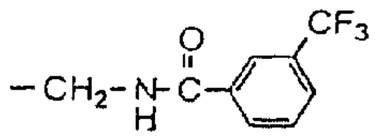
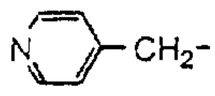
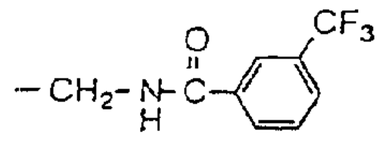
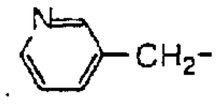
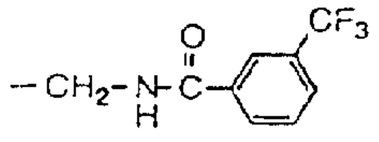
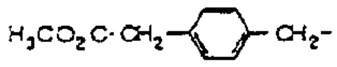
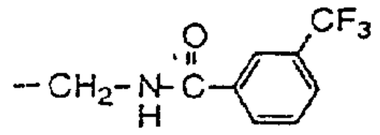
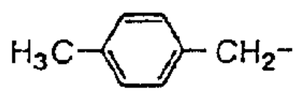
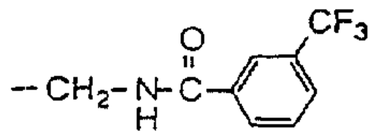
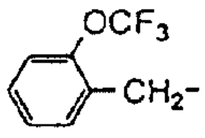
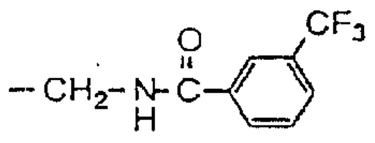
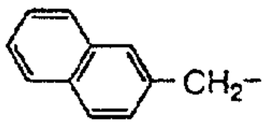
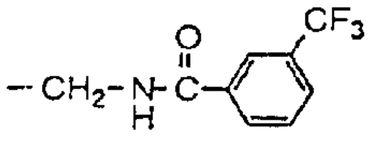
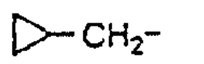
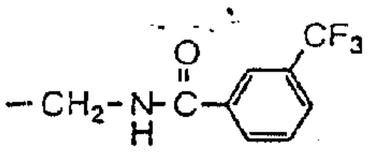
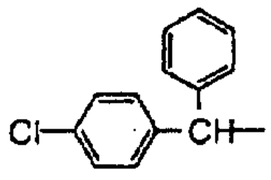
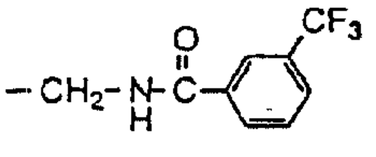
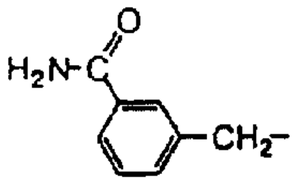
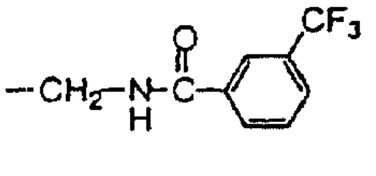
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 914 |  | 2 | 2 | 1 | - | H |  |
| 915 |  | 2 | 2 | 1 | - | H |  |
| 916 |  | 2 | 2 | 1 | - | H |  |
| 917 |  | 2 | 2 | 1 | - | H |  |
| 918 |  | 2 | 2 | 1 | - | H |  |
| 919 |  | 2 | 2 | 1 | - | H |  |
| 920 |  | 2 | 2 | 1 | - | H |  |
| 921 |  | 2 | 2 | 1 | - | H |  |
| 922 |  | 2 | 2 | 1 | - | H |  |
| 923 |  | 2 | 2 | 1 | - | H |  |
| 924 |  | 2 | 2 | 1 | - | H |  |

Table 1.85

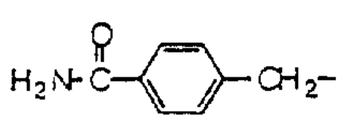
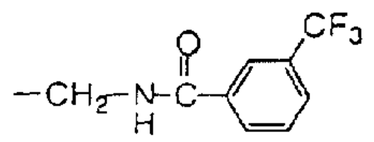
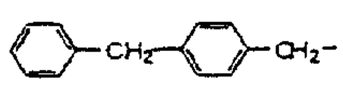
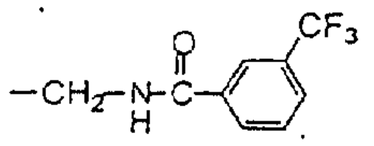
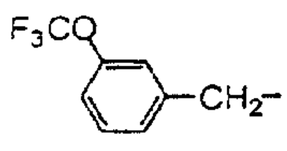
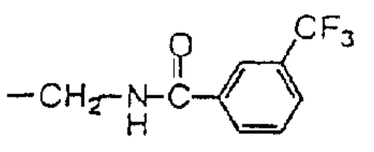
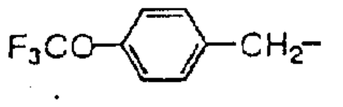
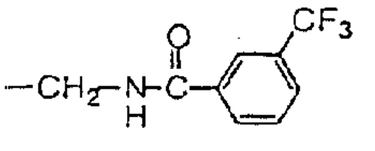
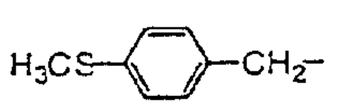
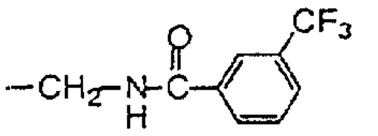
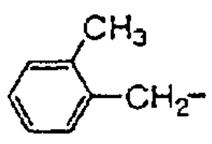
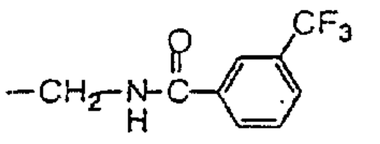
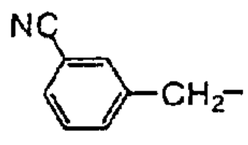
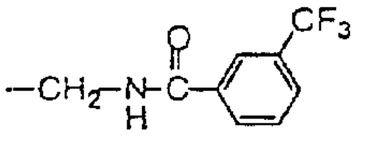
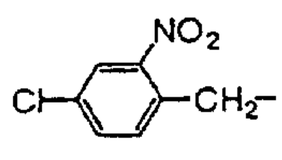
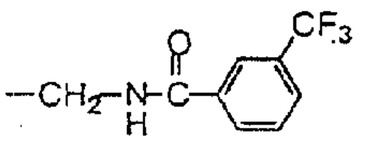
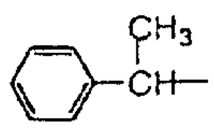
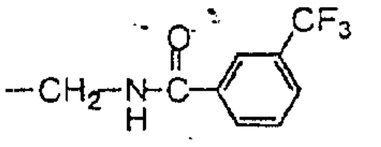
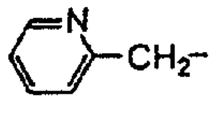
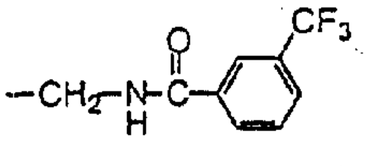
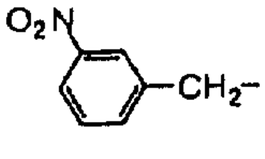
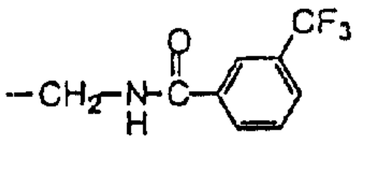
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 925 |  | 2 | 2 | 1 | - | H |  |
| 926 |  | 2 | 2 | 1 | - | H |  |
| 927 |  | 2 | 2 | 1 | - | H |  |
| 928 |  | 2 | 2 | 1 | - | H |  |
| 929 |  | 2 | 2 | 1 | - | H |  |
| 930 |  | 2 | 2 | 1 | - | H |  |
| 931 |  | 2 | 2 | 1 | - | H |  |
| 932 |  | 2 | 2 | 1 | - | H |  |
| 933 |  | 2 | 2 | 1 | - | H |  |
| 934 |  | 2 | 2 | 1 | - | H |  |
| 935 |  | 2 | 2 | 1 | - | H |  |

Table 1.86

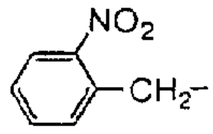
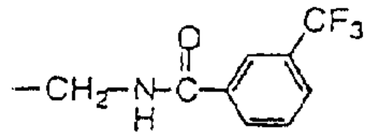
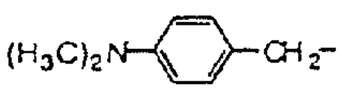
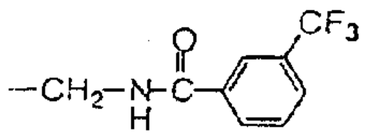
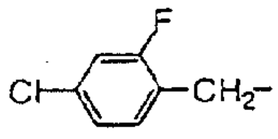
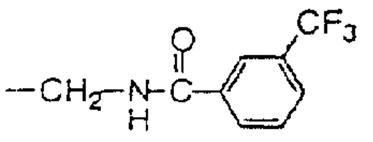
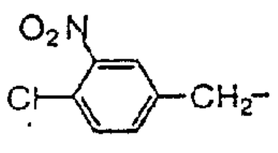
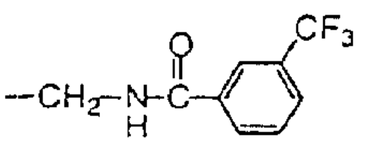
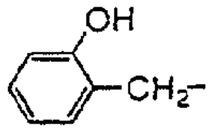
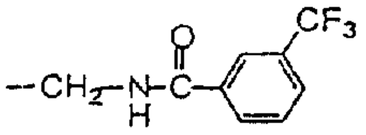
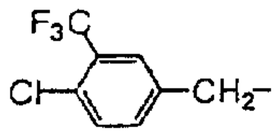
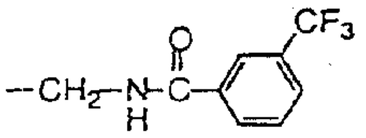
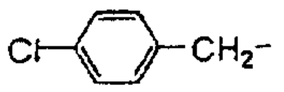
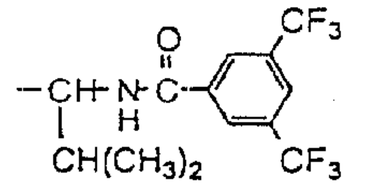
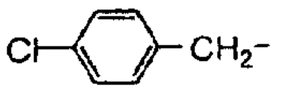
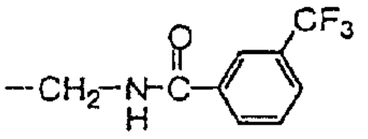
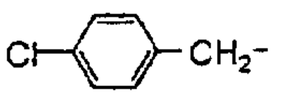
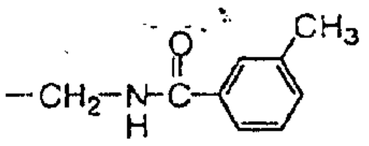
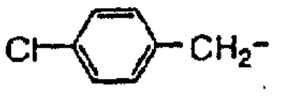
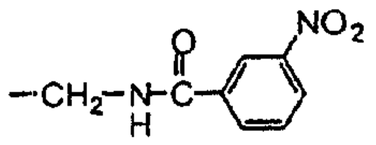
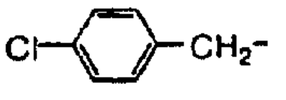
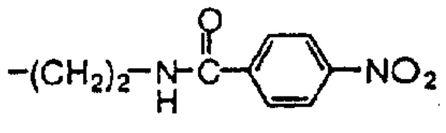
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 936 |  | 2 | 2 | 1 | - | H |  |
| 937 |  | 2 | 2 | 1 | - | H |  |
| 938 |  | 2 | 2 | 1 | - | H |  |
| 939 |  | 2 | 2 | 1 | - | H |  |
| 940 |  | 2 | 2 | 1 | - | H |  |
| 941 |  | 2 | 2 | 1 | - | H |  |
| 942 |  | 2 | 2 | 1 | - | H |  |
| 943 |  | 1 | 4 | 0 | - | H |  |
| 944 |  | 1 | 4 | 0 | - | H |  |
| 945 |  | 1 | 4 | 0 | - | H |  |
| 946 |  | 1 | 4 | 0 | - | H |  |

Table 1.87

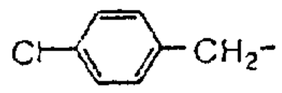
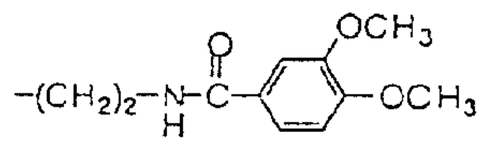
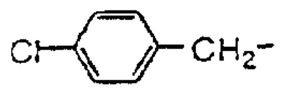
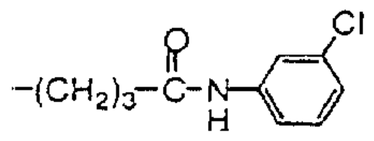
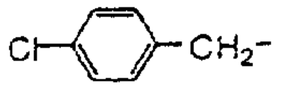
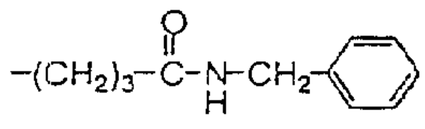
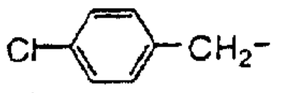
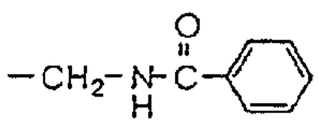
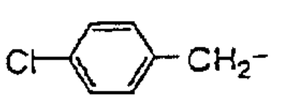
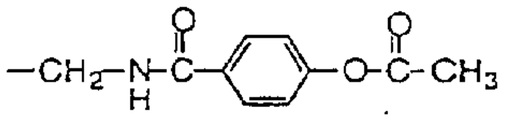
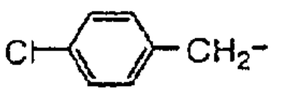
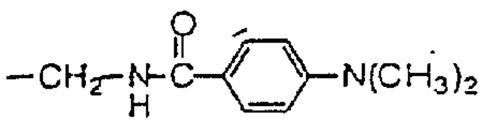
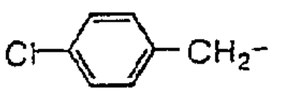
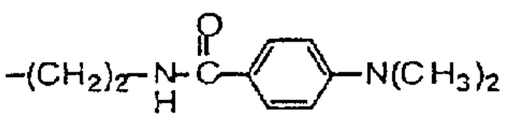
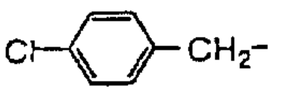
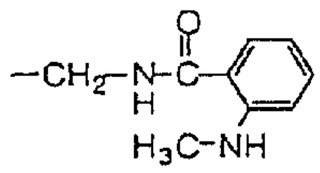
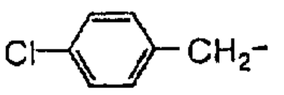
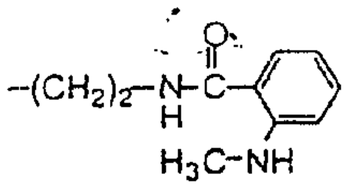
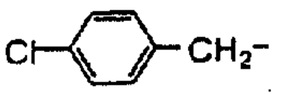
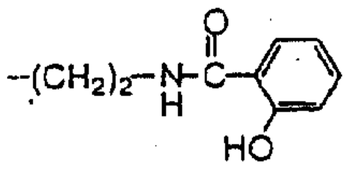
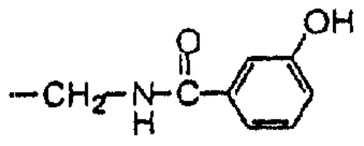
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 947 |  | 1 | 4 | 0 | - | H |  |
| 948 |  | 1 | 4 | 0 | - | H |  |
| 949 |  | 1 | 4 | 0 | - | H |  |
| 950 |  | 0 | 4 | 1 | - | H |  |
| 951 |  | 1 | 2 | 0 | R | H |  |
| 952 |  | 1 | 2 | 0 | R | H |  |
| 953 |  | 1 | 2 | 0 | R | H |  |
| 954 |  | 1 | 2 | 0 | R | H |  |
| 955 |  | 1 | 2 | 0 | R | H |  |
| 956 |  | 1 | 2 | 0 | R | H |  |
| 957 |  | 1 | 2 | 0 | R | H |  |

Table 1.88

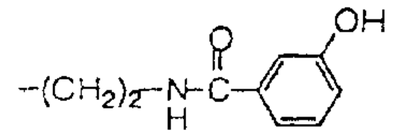
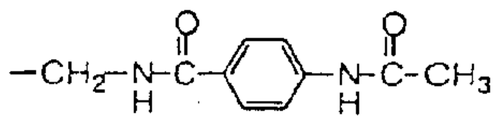
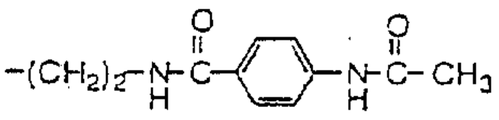
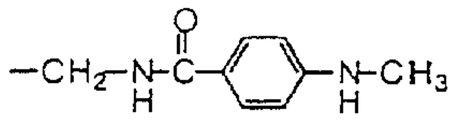
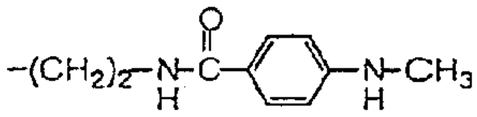
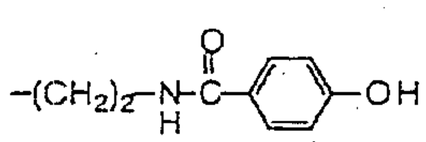
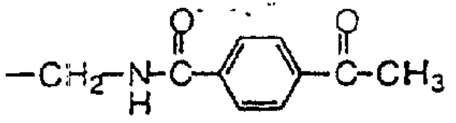
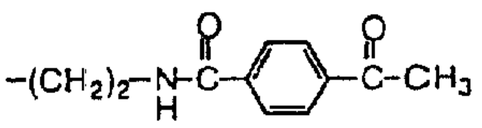
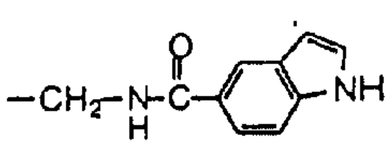
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 958 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 959 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 960 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 961 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 962 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 963 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 964 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 965 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 966 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 967 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 968 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |

Table 1.89

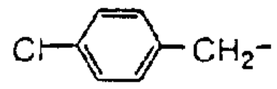
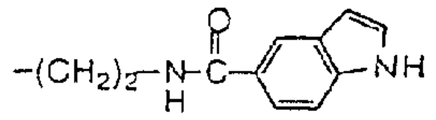
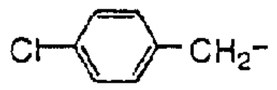
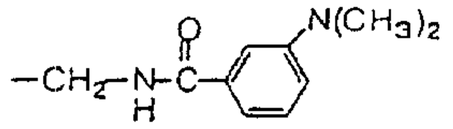
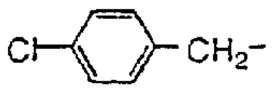
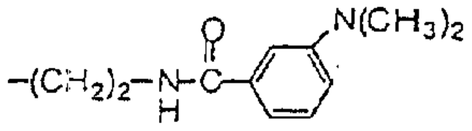
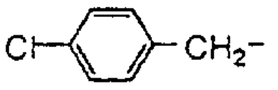
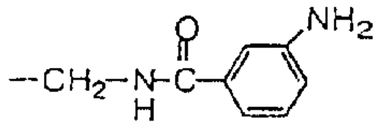
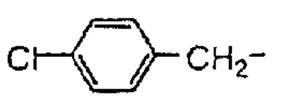
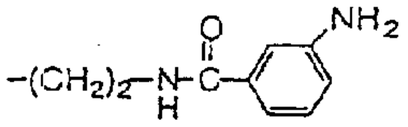
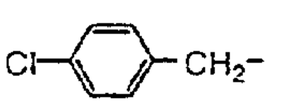
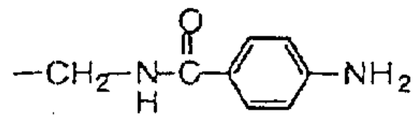
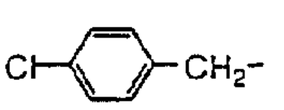
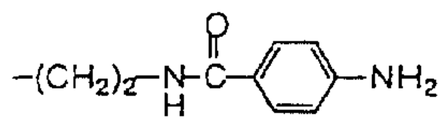
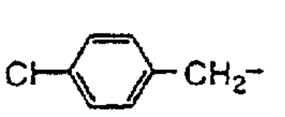
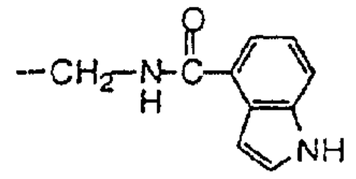
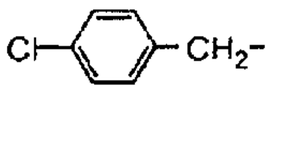
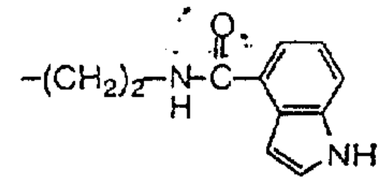
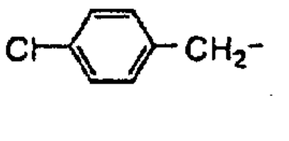
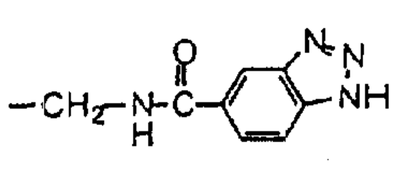
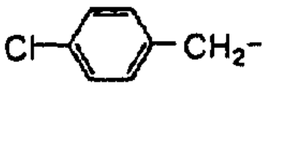
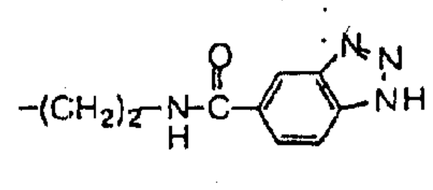
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 969 |  | 1 | 2 | 0 | R | H |  |
| 970 |  | 1 | 2 | 0 | R | H |  |
| 971 |  | 1 | 2 | 0 | R | H |  |
| 972 |  | 1 | 2 | 0 | R | H |  |
| 973 |  | 1 | 2 | 0 | R | H |  |
| 974 |  | 1 | 2 | 0 | R | H |  |
| 975 |  | 1 | 2 | 0 | R | H |  |
| 976 |  | 1 | 2 | 0 | R | H |  |
| 977 |  | 1 | 2 | 0 | R | H |  |
| 978 |  | 1 | 2 | 0 | R | H |  |
| 979 |  | 1 | 2 | 0 | R | H |  |

Table 1.90

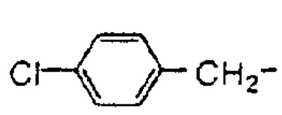
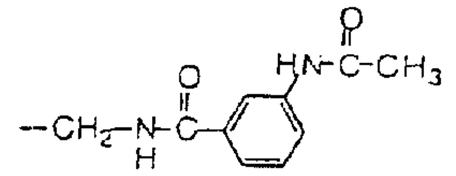
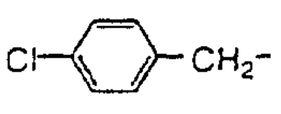
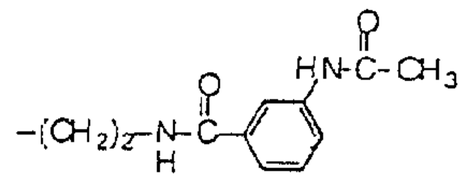
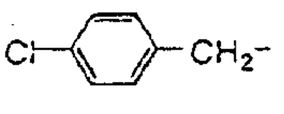
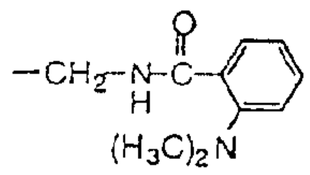
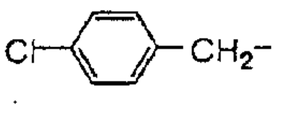
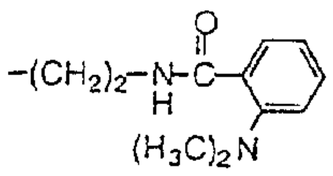
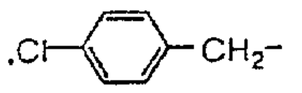
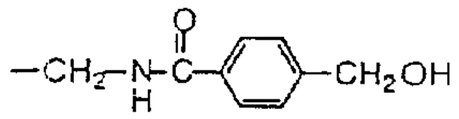
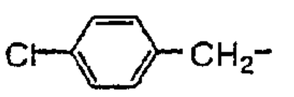
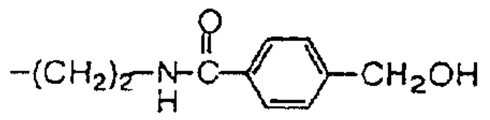
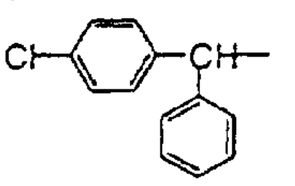
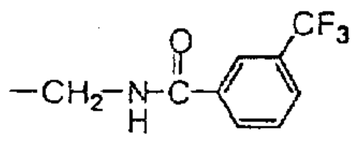
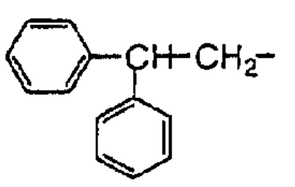
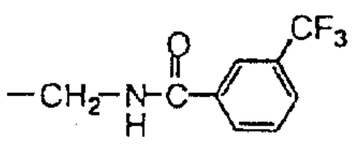
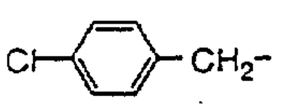
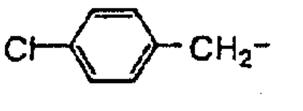
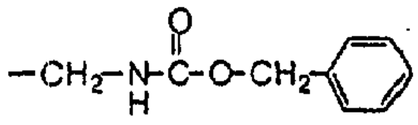
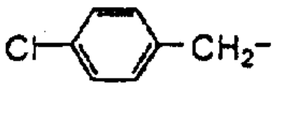
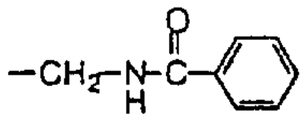
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 980 |  | 1 | 2 | 0 | R | H |  |
| 981 |  | 1 | 2 | 0 | R | H |  |
| 982 |  | 1 | 2 | 0 | R | H |  |
| 983 |  | 1 | 2 | 0 | R | H |  |
| 984 |  | 1 | 2 | 0 | R | H |  |
| 985 |  | 1 | 2 | 0 | R | H |  |
| 986 |  | 1 | 2 | 0 | R | H |  |
| 987 |  | 2 | 2 | 1 | - | H |  |
| 988 |  | 1 | 4 | 0 | - | H |  |
| 989 |  | 1 | 4 | 0 | - | H |  |
| 990 |  | 1 | 4 | 0 | - | H |  |

Table 1.91

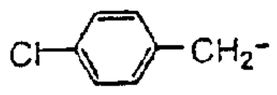
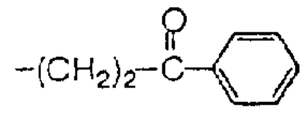
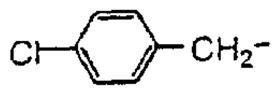
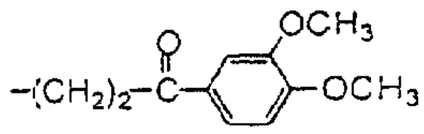
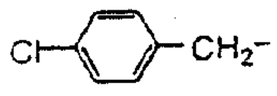
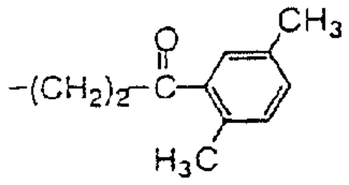
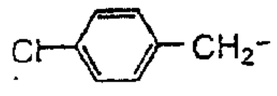
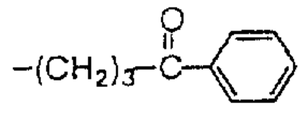
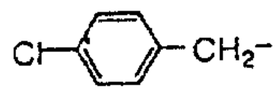
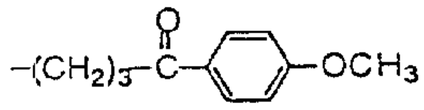
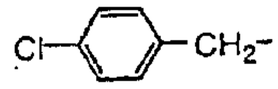
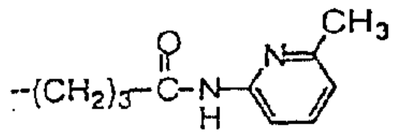
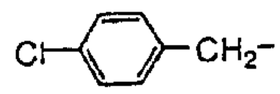
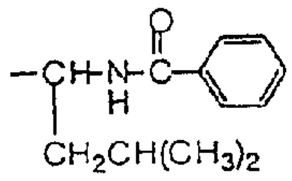
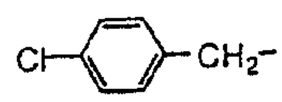
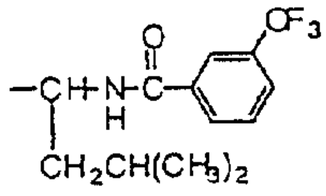
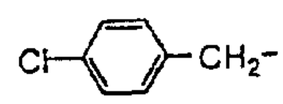
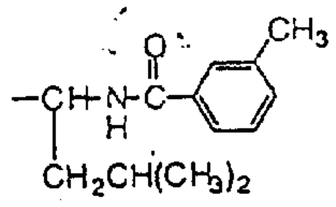
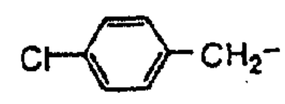
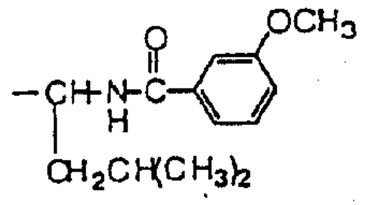
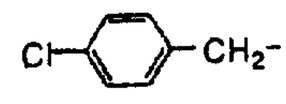
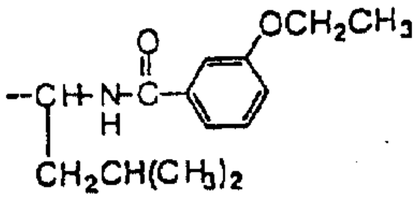
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 991 |  | 1 | 4 | 0 | - | H |  |
| 992 |  | 1 | 4 | 0 | - | H |  |
| 993 |  | 1 | 4 | 0 | - | H |  |
| 994 |  | 1 | 4 | 0 | - | H |  |
| 995 |  | 1 | 4 | 0 | - | H |  |
| 996 |  | 1 | 4 | 0 | - | H |  |
| 997 |  | 2 | 2 | 1 | - | H |  |
| 998 |  | 2 | 2 | 1 | - | H |  |
| 999 |  | 2 | 2 | 1 | - | H |  |
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Table 1.92

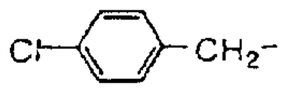
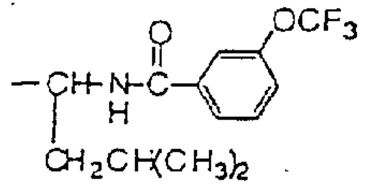
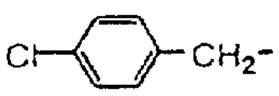
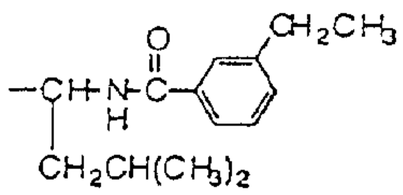
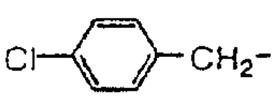
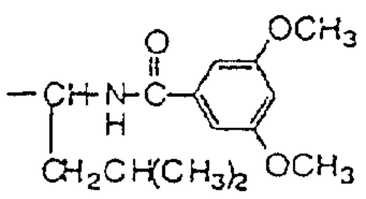
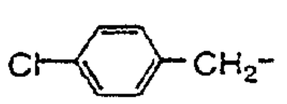
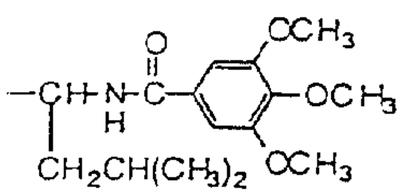
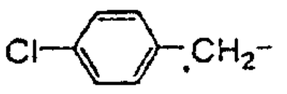
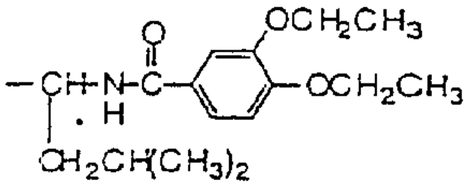
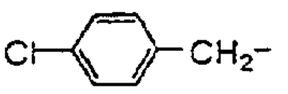
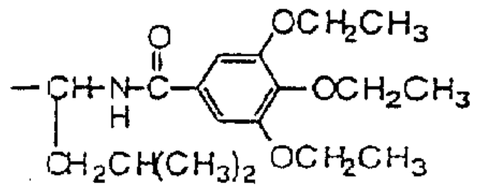
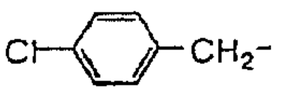
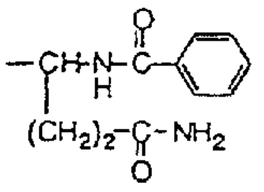
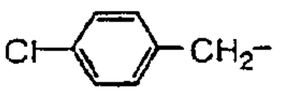
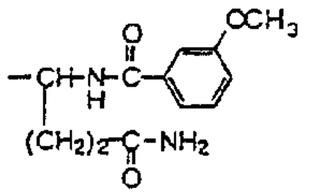
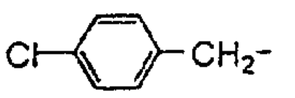
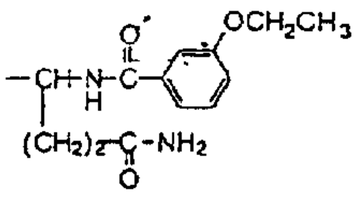
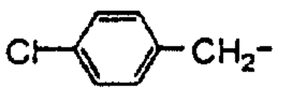
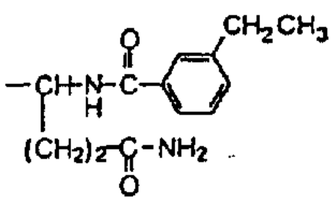
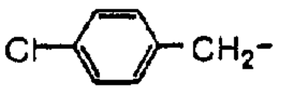
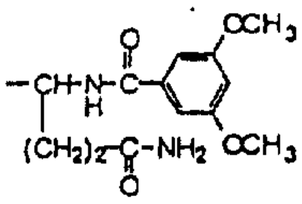
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CH(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1002 |  | 2 | 2 | 1 | - | H |  |
| 1003 |  | 2 | 2 | 1 | - | H |  |
| 1004 |  | 2 | 2 | 1 | - | H |  |
| 1005 |  | 2 | 2 | 1 | - | H |  |
| 1006 |  | 2 | 2 | 1 | - | H |  |
| 1007 |  | 2 | 2 | 1 | - | H |  |
| 1008 |  | 2 | 2 | 1 | - | H |  |
| 1009 |  | 2 | 2 | 1 | - | H |  |
| 1010 |  | 2 | 2 | 1 | - | H |  |
| 1011 |  | 2 | 2 | 1 | - | H |  |
| 1012 |  | 2 | 2 | 1 | - | H |  |

Table 1.93

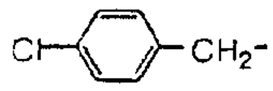
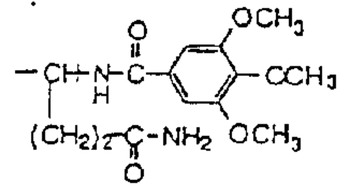
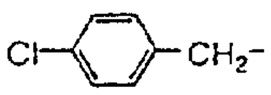
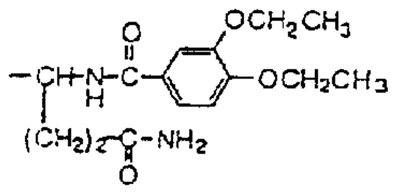
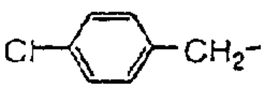
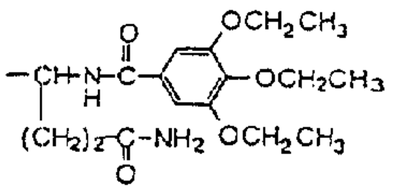
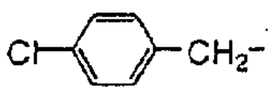
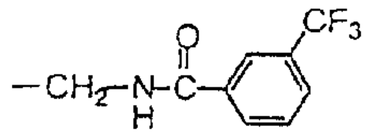
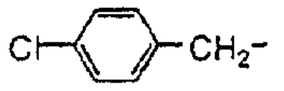
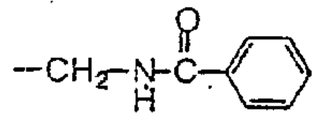
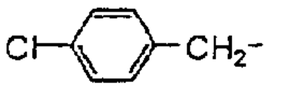
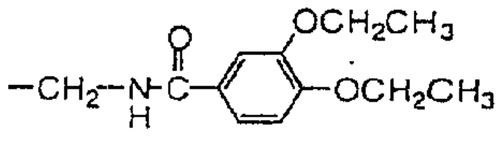
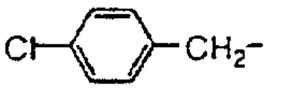
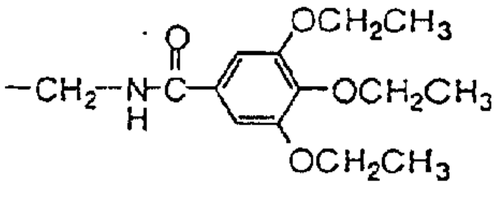
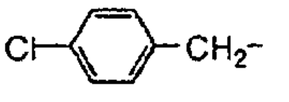
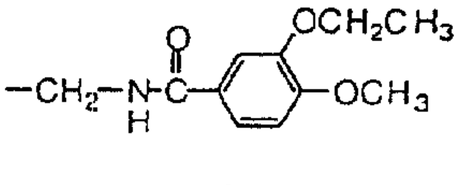
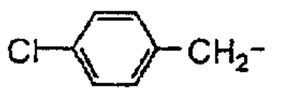
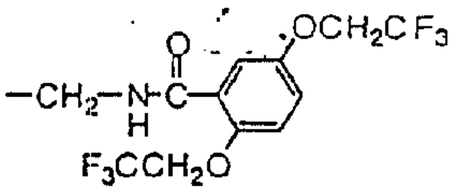
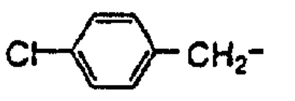
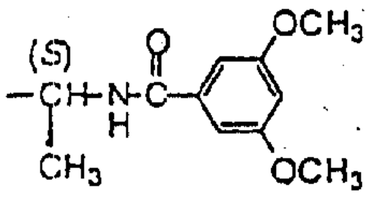
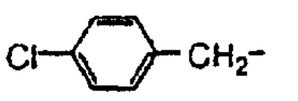
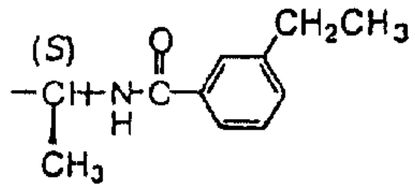
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CH(R^4)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1013 |  | 2 | 2 | 1 | - | H |  |
| 1014 |  | 2 | 2 | 1 | - | H |  |
| 1015 |  | 2 | 2 | 1 | - | H |  |
| 1016 |  | 2 | 2 | 0 | - | H |  |
| 1017 |  | 2 | 2 | 0 | - | H |  |
| 1018 |  | 2 | 2 | 1 | - | H |  |
| 1019 |  | 2 | 2 | 1 | - | H |  |
| 1020 |  | 2 | 2 | 1 | - | H |  |
| 1021 |  | 2 | 2 | 1 | - | H |  |
| 1022 |  | 2 | 2 | 1 | - | H |  |
| 1023 |  | 2 | 2 | 1 | - | H |  |

Table 1.94

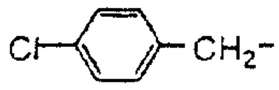
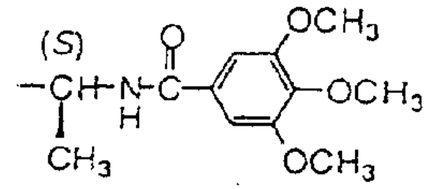
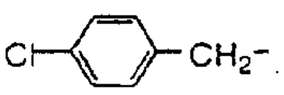
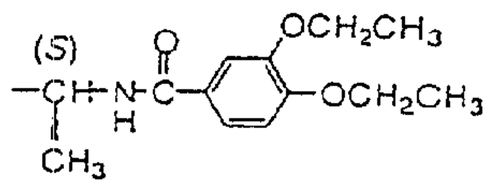
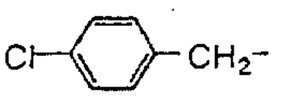
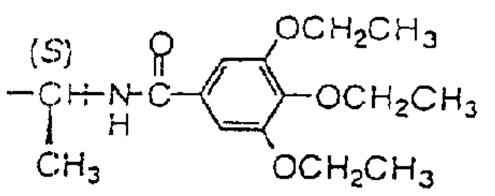
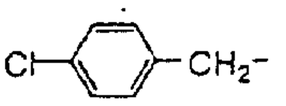
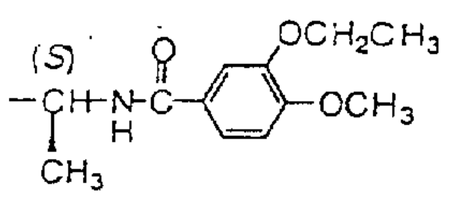
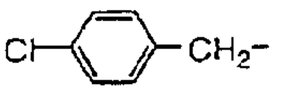
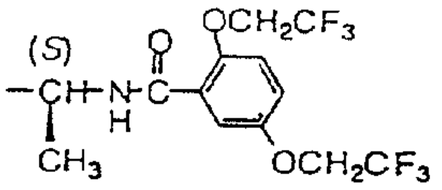
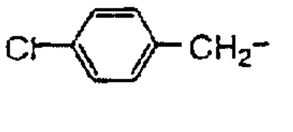
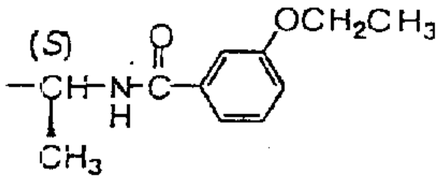
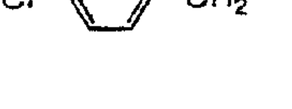
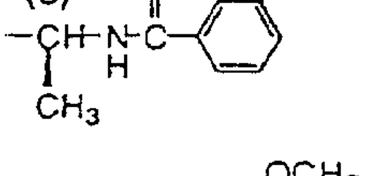
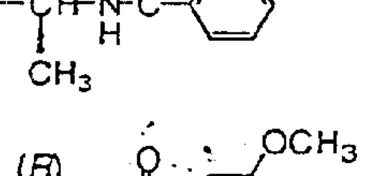
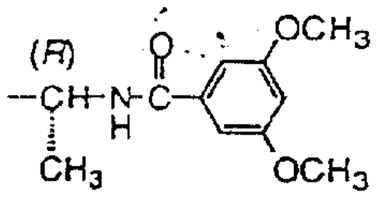
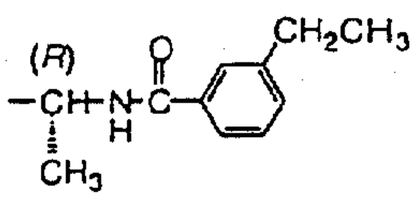
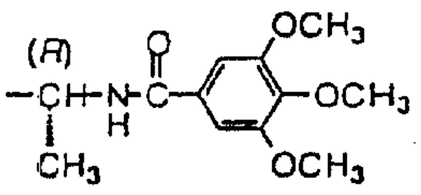
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1024 |  | 2 | 2 | 1 | - | H |  |
| 1025 |  | 2 | 2 | 1 | - | H |  |
| 1026 |  | 2 | 2 | 1 | - | H |  |
| 1027 |  | 2 | 2 | 1 | - | H |  |
| 1028 |  | 2 | 2 | 1 | - | H |  |
| 1029 |  | 2 | 2 | 1 | - | H |  |
| 1030 |  | 2 | 2 | 1 | - | H |  |
| 1031 |  | 2 | 2 | 1 | - | H |  |
| 1032 |  | 2 | 2 | 1 | - | H |  |
| 1033 |  | 2 | 2 | 1 | - | H |  |
| 1034 |  | 2 | 2 | 1 | - | H |  |

Table 1.95

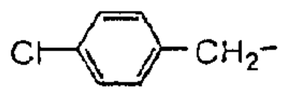
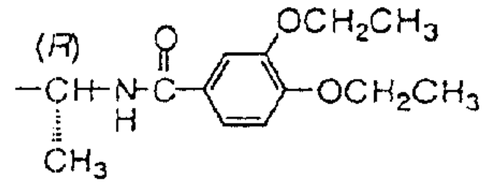
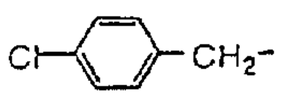
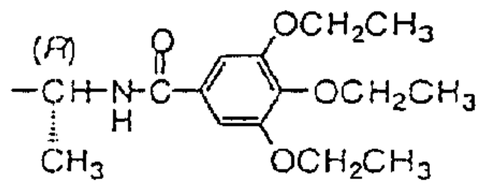
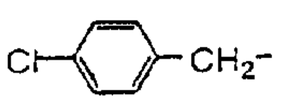
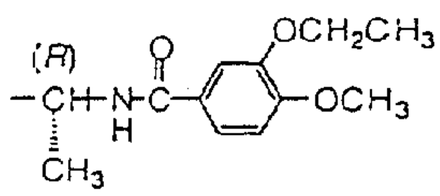
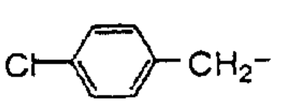
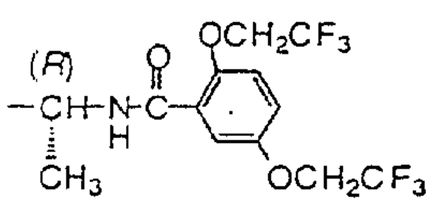
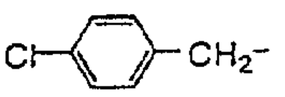
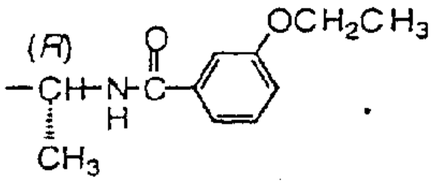
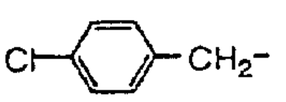
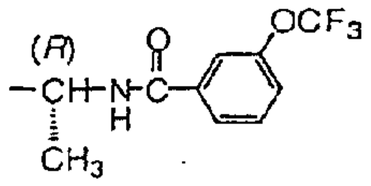
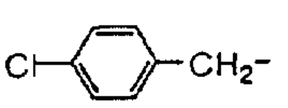
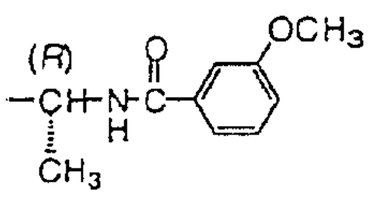
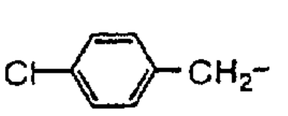
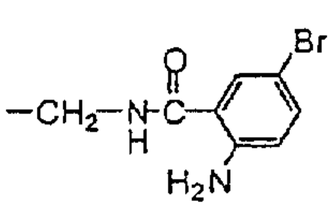
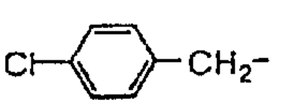
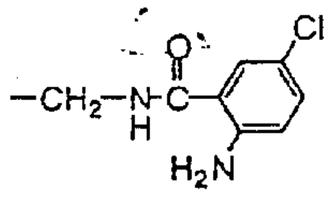
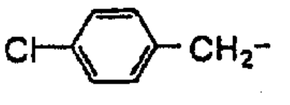
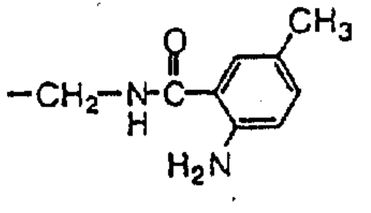
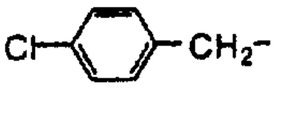
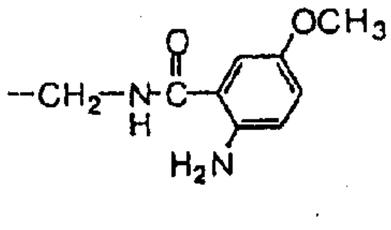
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1035 |  | 2 | 2 | 1 | - | H |  |
| 1036 |  | 2 | 2 | 1 | - | H |  |
| 1037 |  | 2 | 2 | 1 | - | H |  |
| 1038 |  | 2 | 2 | 1 | - | H |  |
| 1039 |  | 2 | 2 | 1 | - | H |  |
| 1040 |  | 2 | 2 | 1 | - | H |  |
| 1041 |  | 2 | 2 | 1 | - | H |  |
| 1042 |  | 2 | 2 | 1 | - | H |  |
| 1043 |  | 2 | 2 | 1 | - | H |  |
| 1044 |  | 2 | 2 | 1 | - | H |  |
| 1045 |  | 2 | 2 | 1 | - | H |  |

Table 1.96

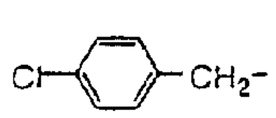
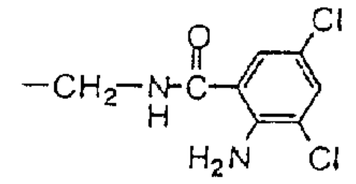
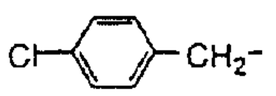
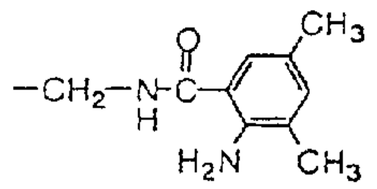
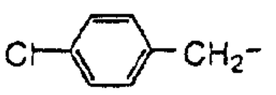
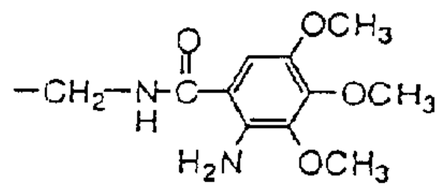
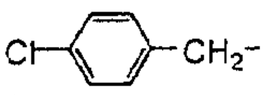
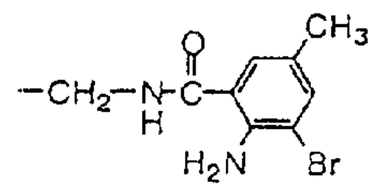
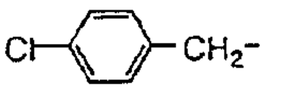
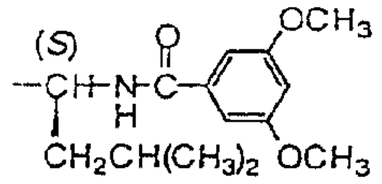
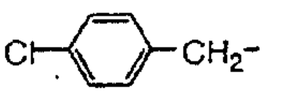
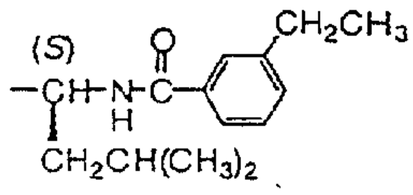
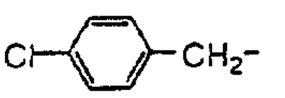
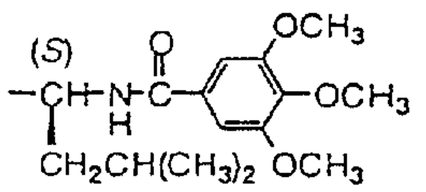
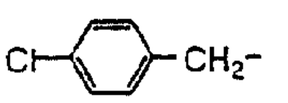
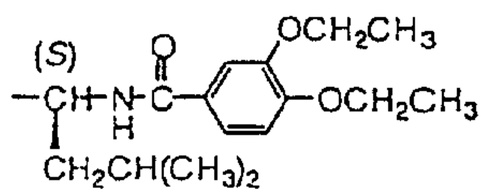
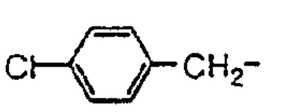
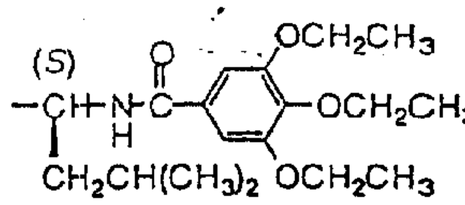
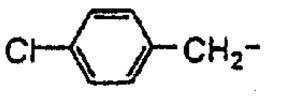
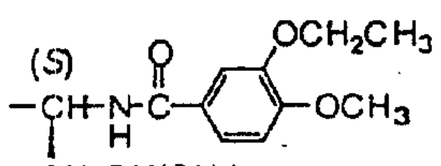
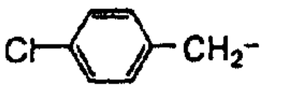
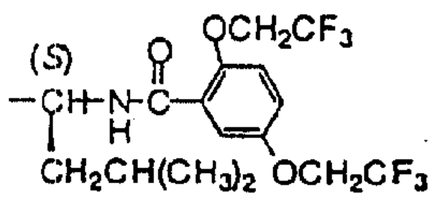
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1046 |  | 2 | 2 | 1 | - | H |  |
| 1047 |  | 2 | 2 | 1 | - | H |  |
| 1048 |  | 2 | 2 | 1 | - | H |  |
| 1049 |  | 2 | 2 | 1 | - | H |  |
| 1050 |  | 2 | 2 | 1 | - | H |  |
| 1051 |  | 2 | 2 | 1 | - | H |  |
| 1052 |  | 2 | 2 | 1 | - | H |  |
| 1053 |  | 2 | 2 | 1 | - | H |  |
| 1054 |  | 2 | 2 | 1 | - | H |  |
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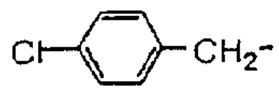
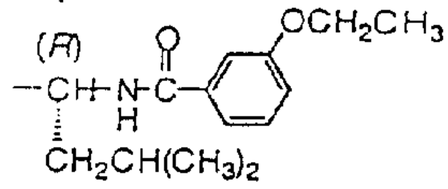
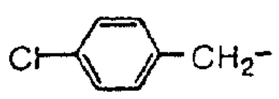
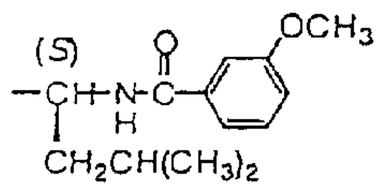
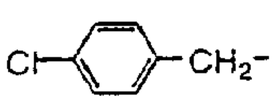
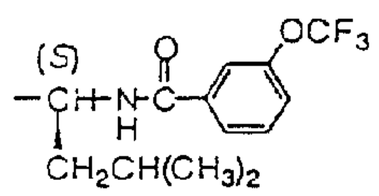
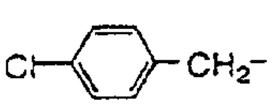
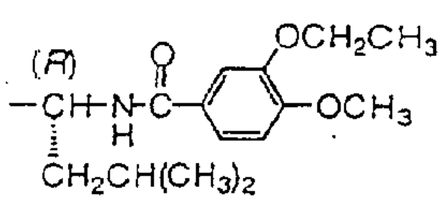
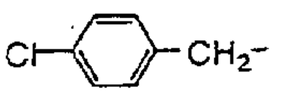
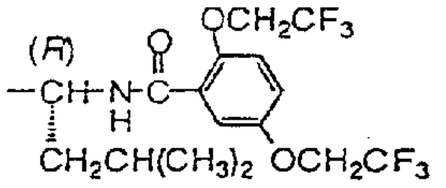
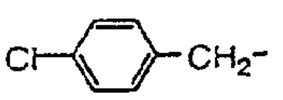
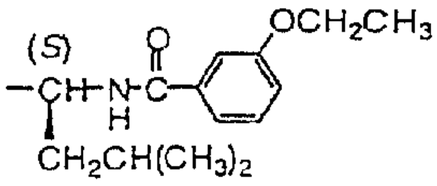
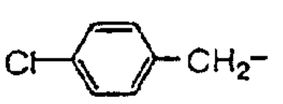
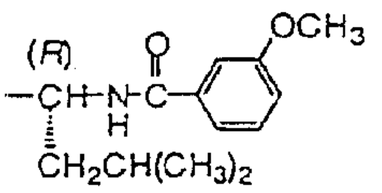
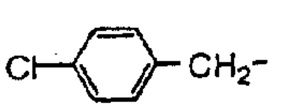
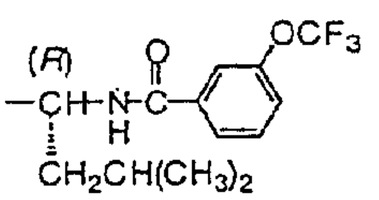
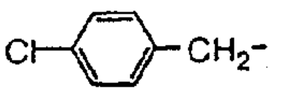
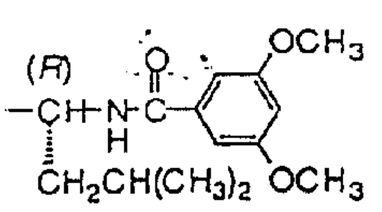
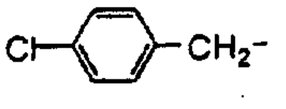
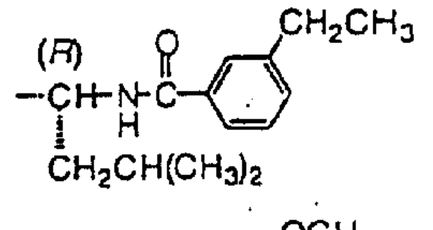
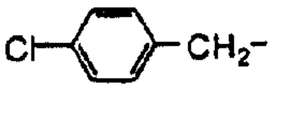
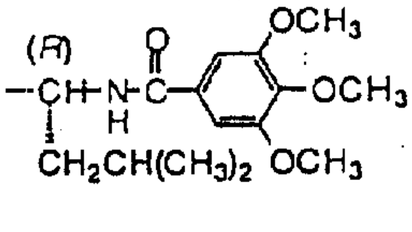
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1057 |  | 2 | 2 | 1 | - | H |  |
| 1058 |  | 2 | 2 | 1 | - | H |  |
| 1059 |  | 2 | 2 | 1 | - | H |  |
| 1060 |  | 2 | 2 | 1 | - | H |  |
| 1061 |  | 2 | 2 | 1 | - | H |  |
| 1062 |  | 2 | 2 | 1 | - | H |  |
| 1063 |  | 2 | 2 | 1 | - | H |  |
| 1064 |  | 2 | 2 | 1 | - | H |  |
| 1065 |  | 2 | 2 | 1 | - | H |  |
| 1066 |  | 2 | 2 | 1 | - | H |  |
| 1067 |  | 2 | 2 | 1 | - | H |  |

Table 1.98

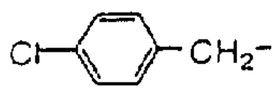
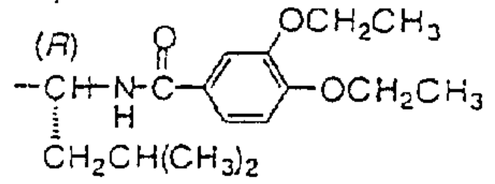
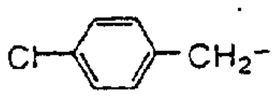
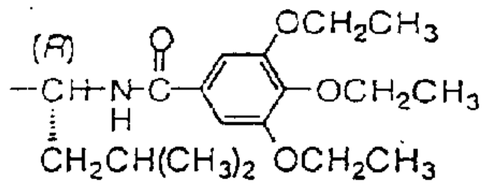
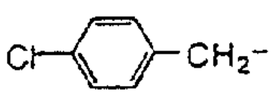
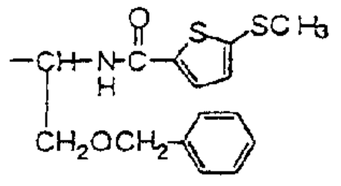
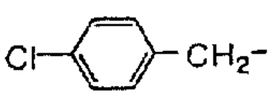
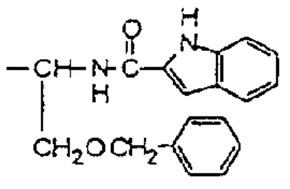
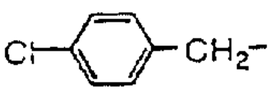
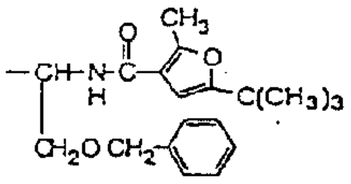
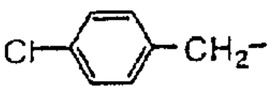
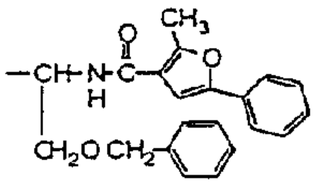
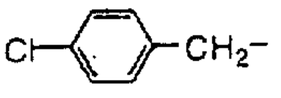
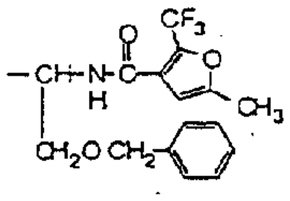
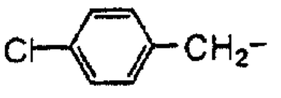
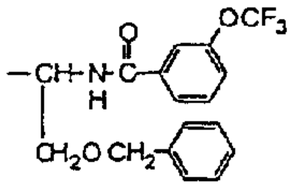
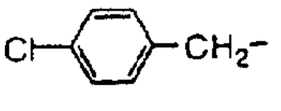
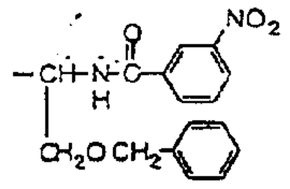
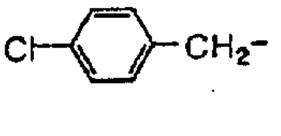
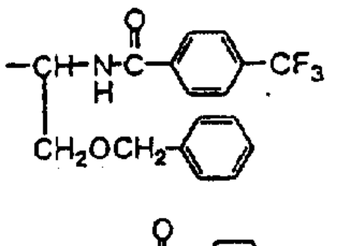
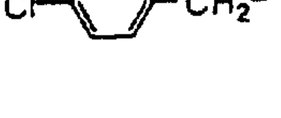
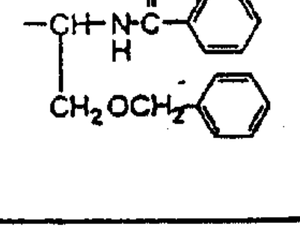
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1068 |  | 2 | 2 | 1 | - | H |  |
| 1069 |  | 2 | 2 | 1 | - | H |  |
| 1070 |  | 2 | 2 | 1 | - | H |  |
| 1071 |  | 2 | 2 | 1 | - | H |  |
| 1072 |  | 2 | 2 | 1 | - | H |  |
| 1073 |  | 2 | 2 | 1 | - | H |  |
| 1074 |  | 2 | 2 | 1 | - | H |  |
| 1075 |  | 2 | 2 | 1 | - | H |  |
| 1076 |  | 2 | 2 | 1 | - | H |  |
| 1077 |  | 2 | 2 | 1 | - | H |  |
| 1078 |  | 2 | 2 | 1 | - | H |  |

Table 1.99

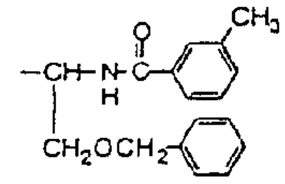
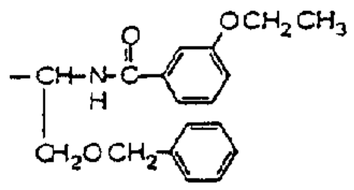
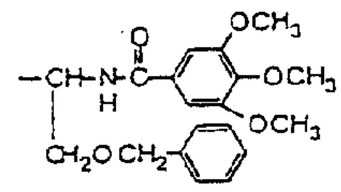
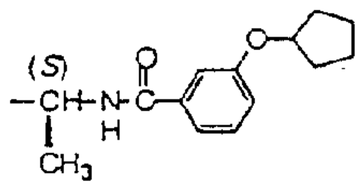
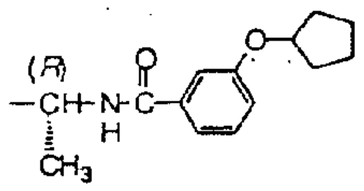
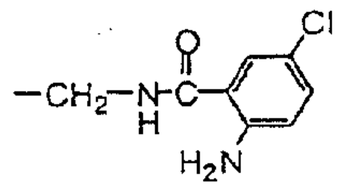
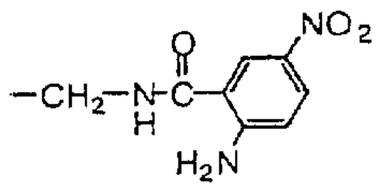
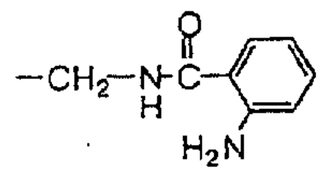
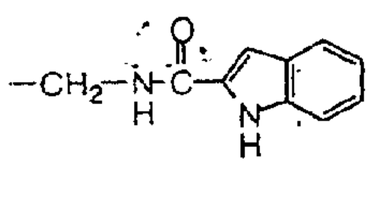
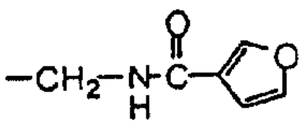
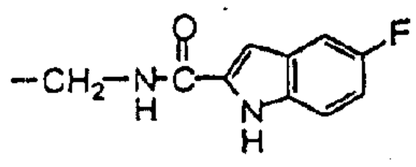
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1079 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1080 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1081 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1082 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1083 | Cl, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1084 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1085 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1086 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1087 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1088 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1089 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |

Table 1.100

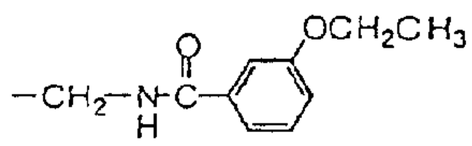
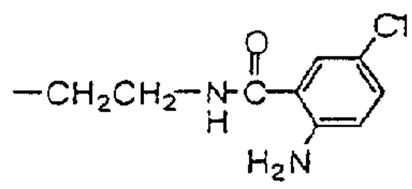
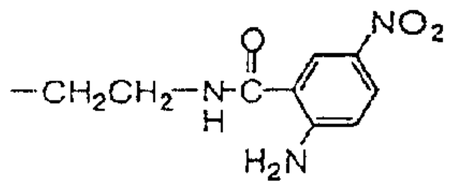
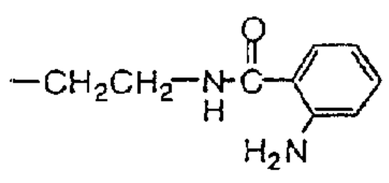
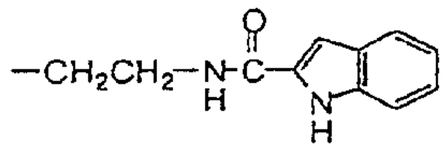
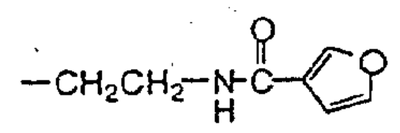
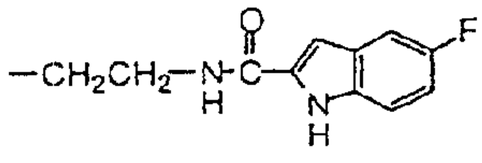
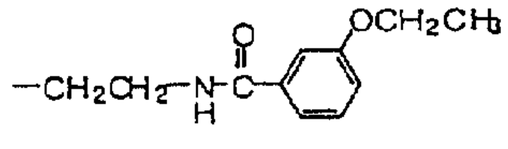
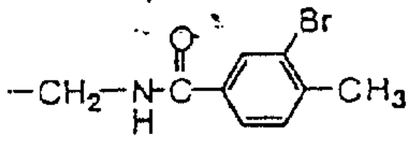
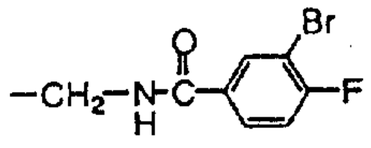
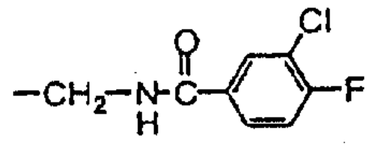
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1090 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1091 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1092 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1093 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1094 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1095 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1096 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1097 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1098 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1099 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |
| 1100 | Cl, $CH_2$ | 1 | 2 | 0 | R | H |  |

Table 1.101

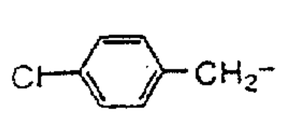
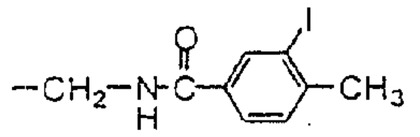
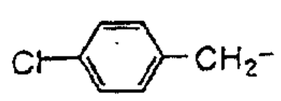
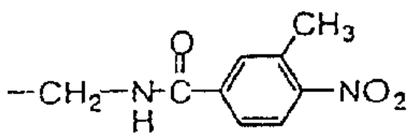
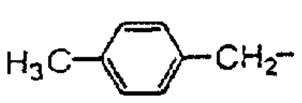
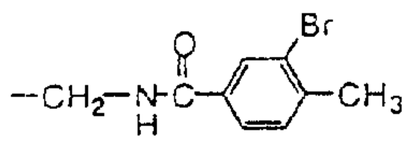
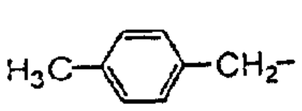
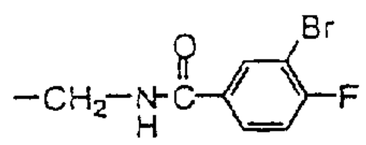
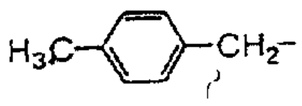
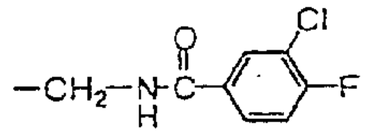
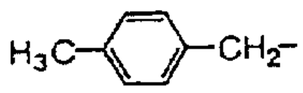
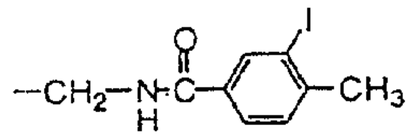
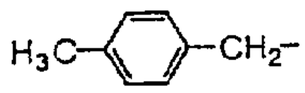
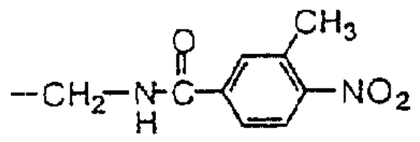
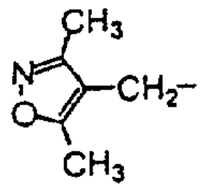
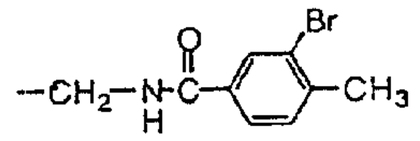
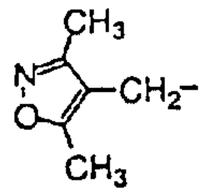
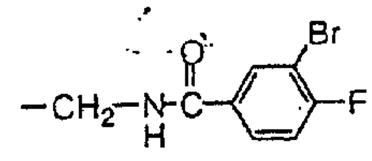
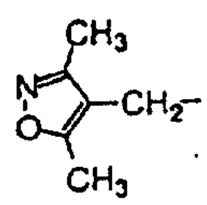
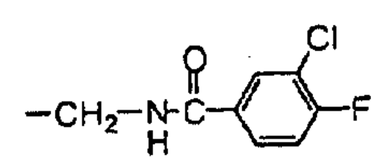
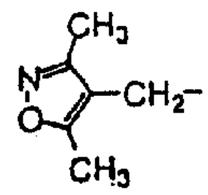
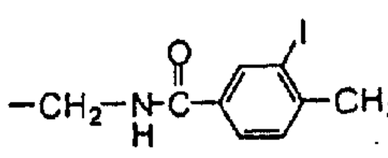
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1101 |  | 1 | 2 | 0 | R | H |  |
| 1102 |  | 1 | 2 | 0 | R | H |  |
| 1103 |  | 1 | 2 | 0 | R | H |  |
| 1104 |  | 1 | 2 | 0 | R | H |  |
| 1105 |  | 1 | 2 | 0 | R | H |  |
| 1106 |  | 1 | 2 | 0 | R | H |  |
| 1107 |  | 1 | 2 | 0 | R | H |  |
| 1108 |  | 1 | 2 | 0 | R | H |  |
| 1109 |  | 1 | 2 | 0 | R | H |  |
| 1110 |  | 1 | 2 | 0 | R | H |  |
| 1111 |  | 1 | 2 | 0 | R | H |  |

Table 1.102

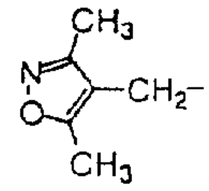
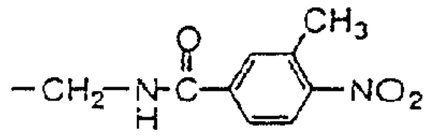
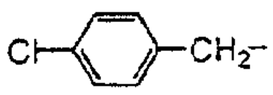
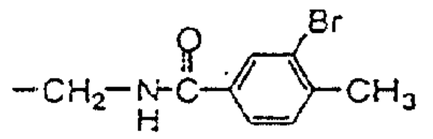
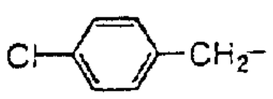
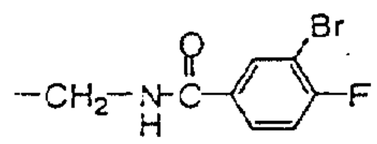
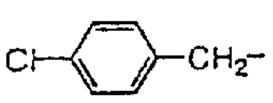
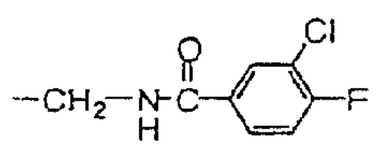
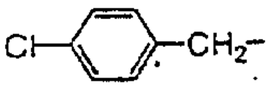
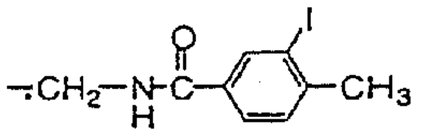
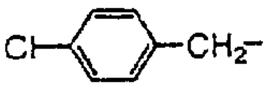
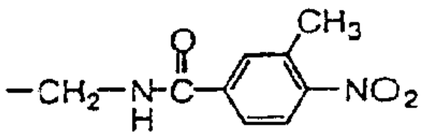
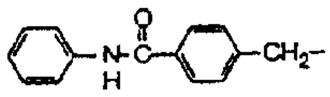
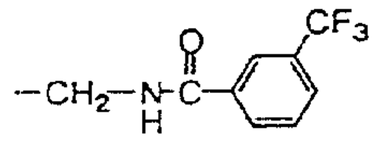
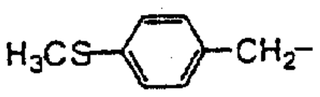
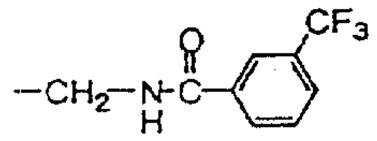
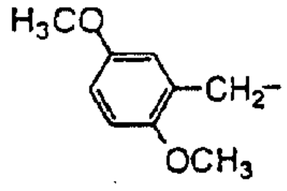
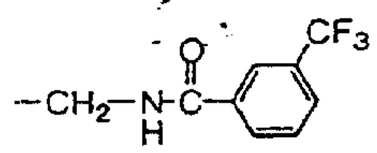
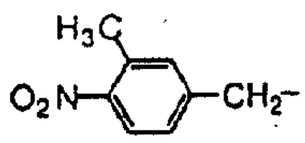
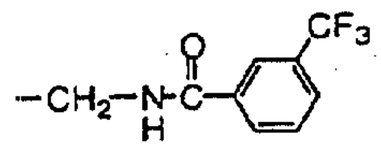
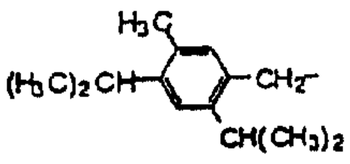
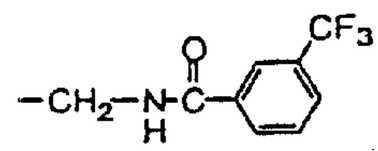
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1112 |  | 1 | 2 | 0 | R | H |  |
| 1113 |  | 2 | 2 | 1 | - | H |  |
| 1114 |  | 2 | 2 | 1 | - | H |  |
| 1115 |  | 2 | 2 | 1 | - | H |  |
| 1116 |  | 2 | 2 | 1 | - | H |  |
| 1117 |  | 2 | 2 | 1 | - | H |  |
| 1118 |  | 1 | 2 | 0 | R | H |  |
| 1119 |  | 1 | 2 | 0 | R | H |  |
| 1120 |  | 1 | 2 | 0 | R | H |  |
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Table 1.103

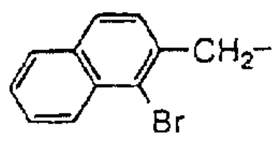
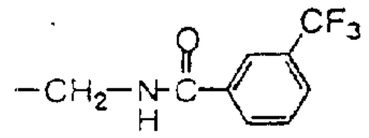
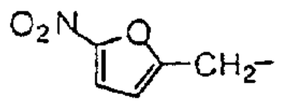
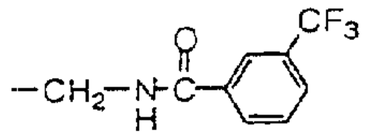
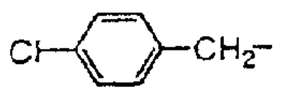
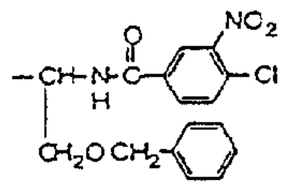
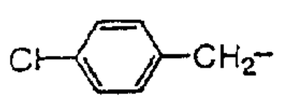
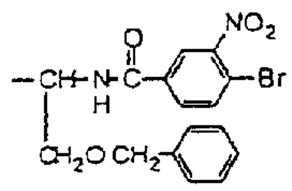
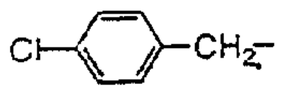
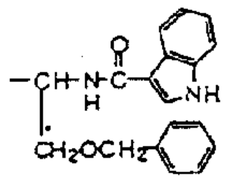
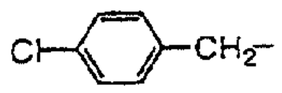
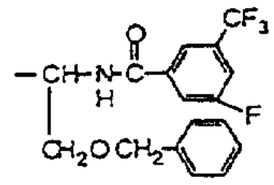
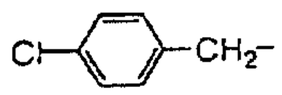
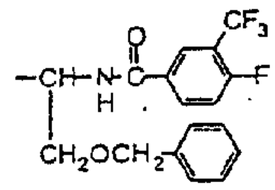
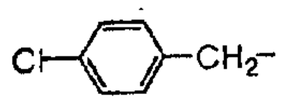
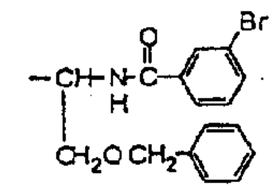
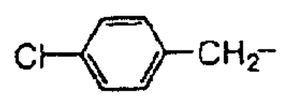
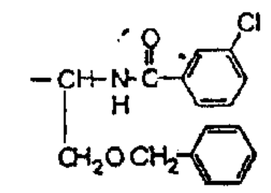
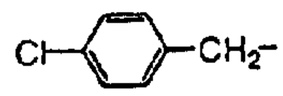
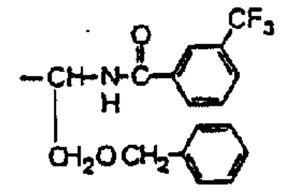
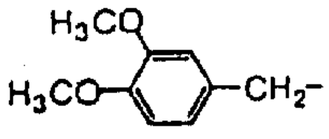
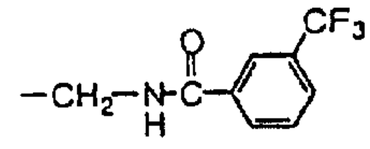
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1123 |  | 1 | 2 | 0 | R | H |  |
| 1124 |  | 1 | 2 | 0 | R | H |  |
| 1125 |  | 2 | 2 | 1 | - | H |  |
| 1126 |  | 2 | 2 | 1 | - | H |  |
| 1127 |  | 2 | 2 | 1 | - | H |  |
| 1128 |  | 2 | 2 | 1 | - | H |  |
| 1129 |  | 2 | 2 | 1 | - | H |  |
| 1130 |  | 2 | 2 | 1 | - | H |  |
| 1131 |  | 2 | 2 | 1 | - | H |  |
| 1132 |  | 2 | 2 | 1 | - | H |  |
| 1133 |  | 1 | 2 | 0 | R | H |  |

Table 1.104

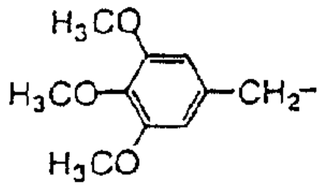
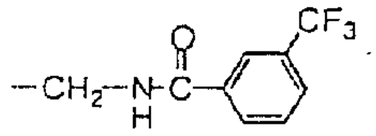
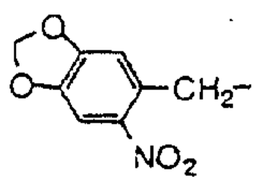
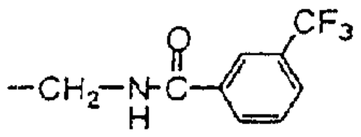
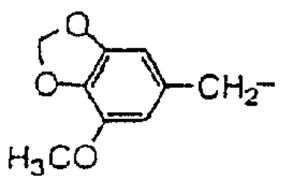
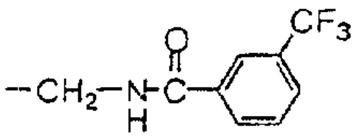
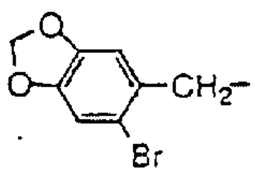
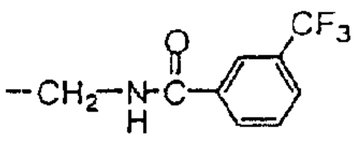
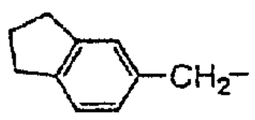
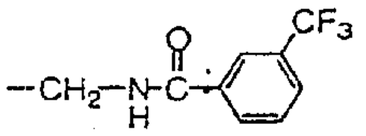
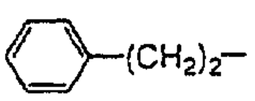
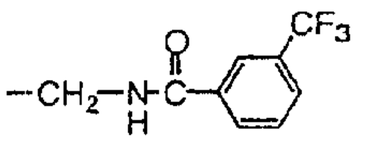
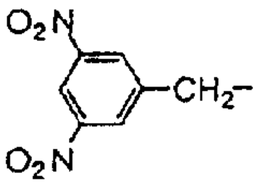
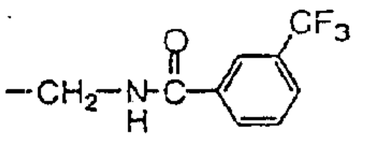
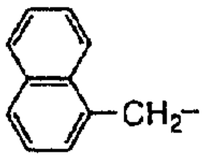
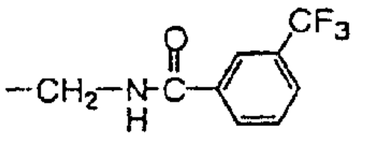
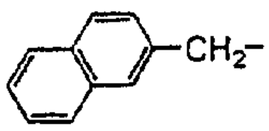
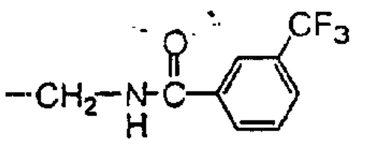
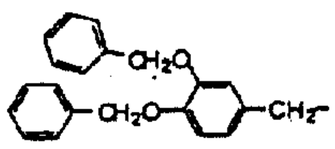
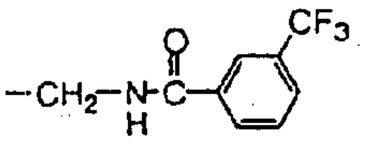
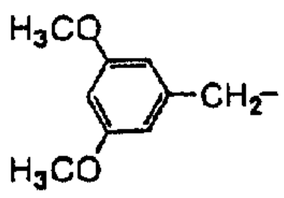
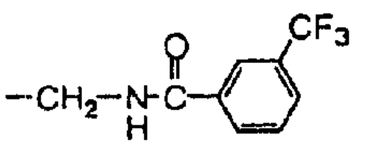
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1134 |  | 1 | 2 | 0 | R | H |  |
| 1135 |  | 1 | 2 | 0 | R | H |  |
| 1136 |  | 1 | 2 | 0 | R | H |  |
| 1137 |  | 1 | 2 | 0 | R | H |  |
| 1138 |  | 1 | 2 | 0 | R | H |  |
| 1139 |  | 1 | 2 | 0 | R | H |  |
| 1140 |  | 1 | 2 | 0 | R | H |  |
| 1141 |  | 1 | 2 | 0 | R | H |  |
| 1142 |  | 1 | 2 | 0 | R | H |  |
| 1143 |  | 1 | 2 | 0 | R | H |  |
| 1144 |  | 1 | 2 | 0 | R | H |  |

Table 1.105

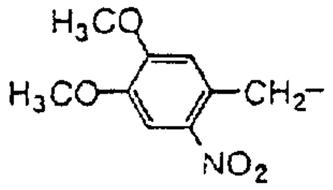
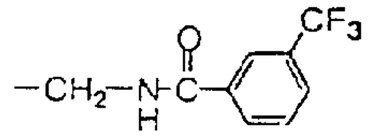
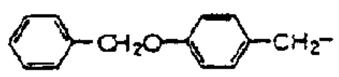
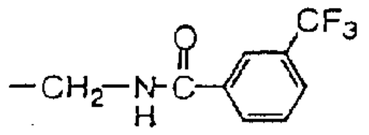
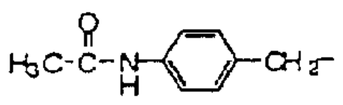
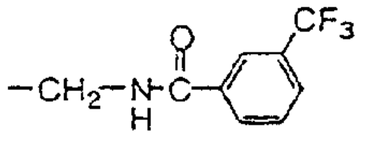
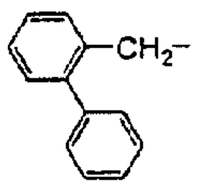
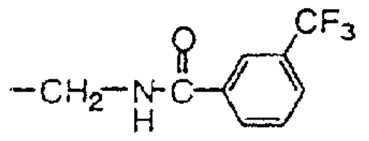
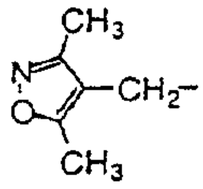
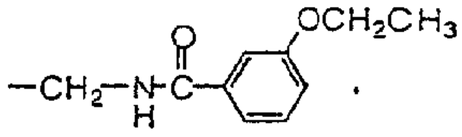
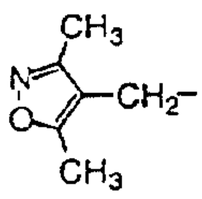
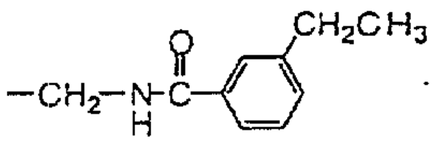
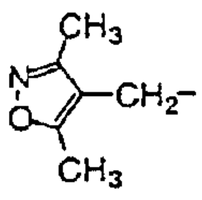
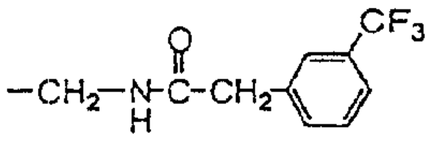
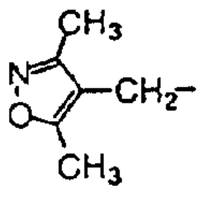
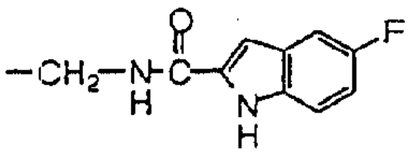
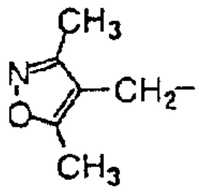
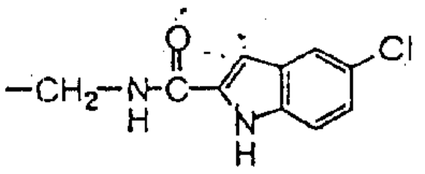
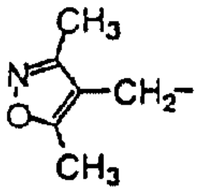
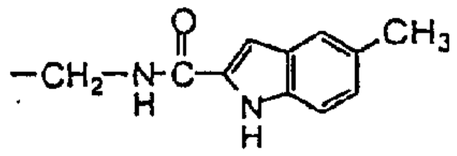
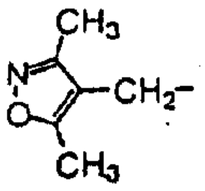
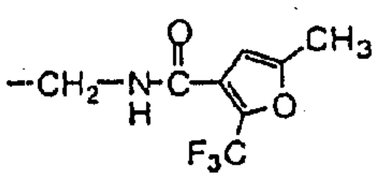
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1145 |  | 1 | 2 | 0 | R | H |  |
| 1146 |  | 1 | 2 | 0 | R | H |  |
| 1147 |  | 1 | 2 | 0 | R | H |  |
| 1148 |  | 1 | 2 | 0 | R | H |  |
| 1149 |  | 1 | 2 | 0 | R | H |  |
| 1150 |  | 1 | 2 | 0 | R | H |  |
| 1151 |  | 1 | 2 | 0 | R | H |  |
| 1152 |  | 1 | 2 | 0 | R | H |  |
| 1153 |  | 1 | 2 | 0 | R | H |  |
| 1154 |  | 1 | 2 | 0 | R | H |  |
| 1155 |  | 1 | 2 | 0 | R | H |  |

Table 1.106

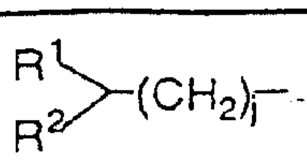
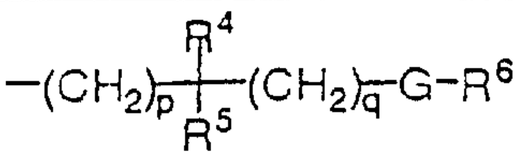
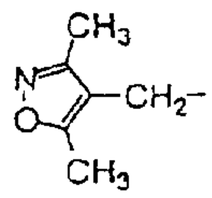
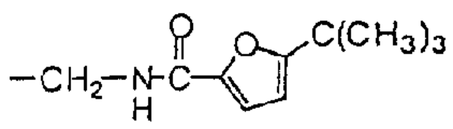
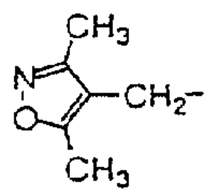
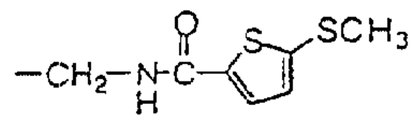
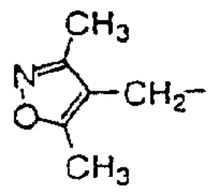
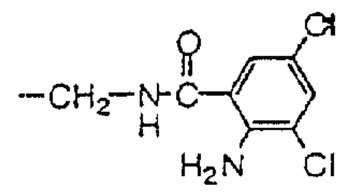
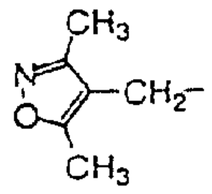
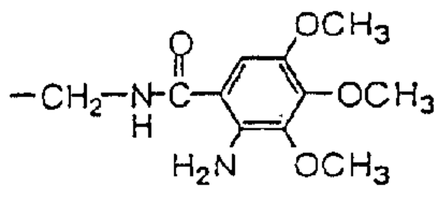
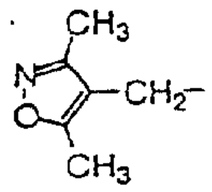
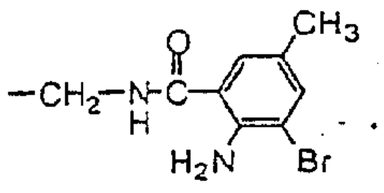
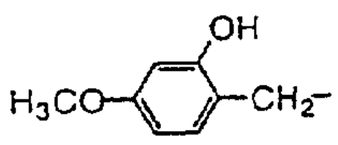
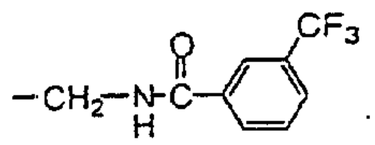
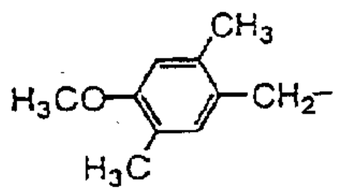
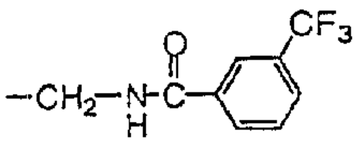
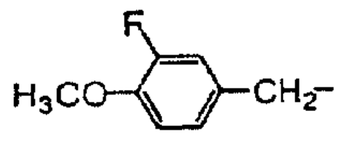
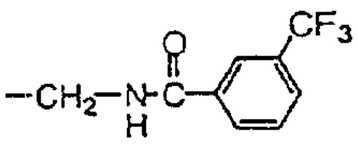
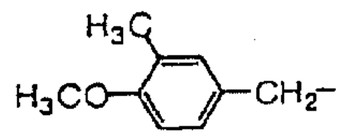
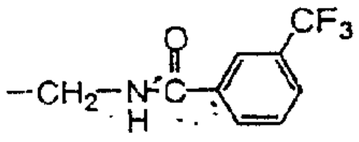
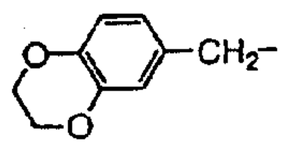
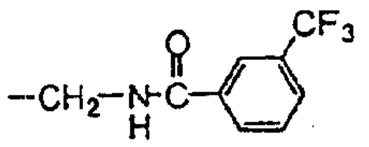
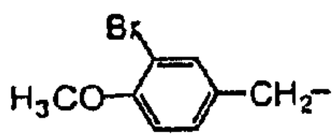
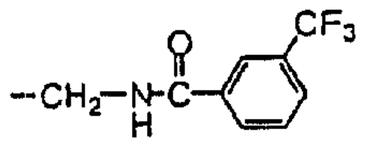
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 1156 |  | 1 | 2 | 0 | R | H |  |
| 1157 |  | 1 | 2 | 0 | R | H |  |
| 1158 |  | 1 | 2 | 0 | R | H |  |
| 1159 |  | 1 | 2 | 0 | R | H |  |
| 1160 |  | 1 | 2 | 0 | R | H |  |
| 1161 |  | 1 | 2 | 0 | R | H |  |
| 1162 |  | 1 | 2 | 0 | R | H |  |
| 1163 |  | 1 | 2 | 0 | R | H |  |
| 1164 |  | 1 | 2 | 0 | R | H |  |
| 1165 |  | 1 | 2 | 0 | R | H |  |
| 1166 |  | 1 | 2 | 0 | R | H |  |

Table 1.107

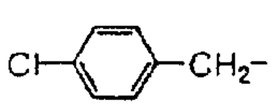
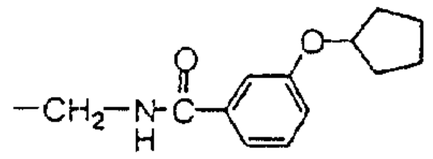
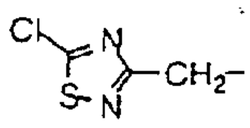
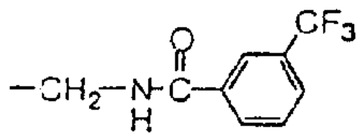
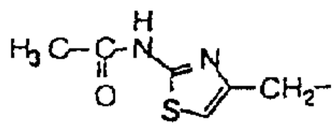
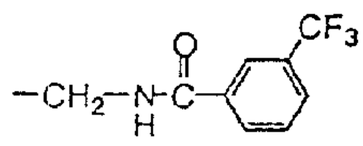
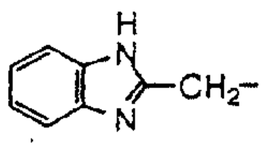
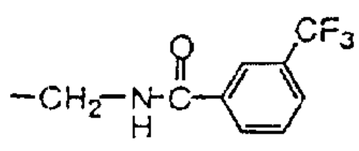
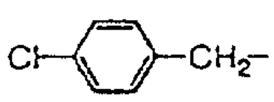
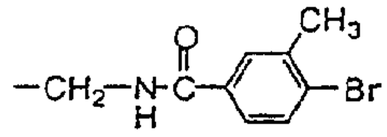
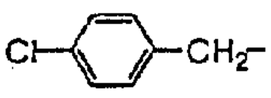
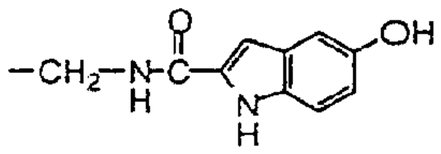
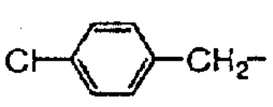
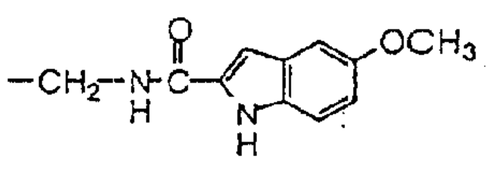
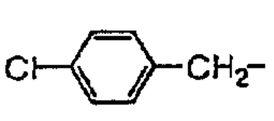
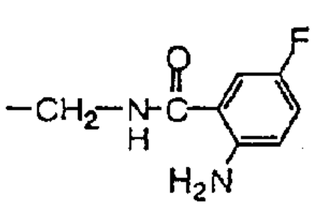
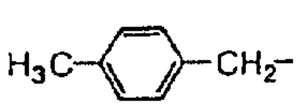
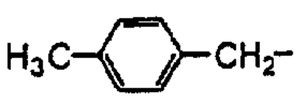
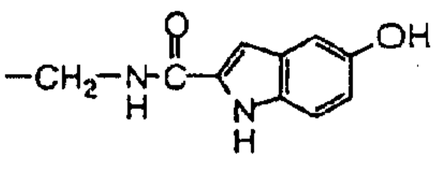
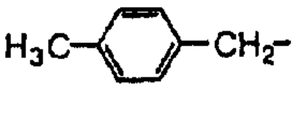
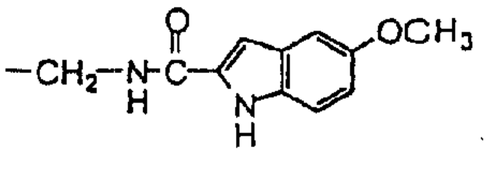
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1167 |  | 2 | 2 | 1 | - | H |  |
| 1168 |  | 1 | 2 | 0 | R | H |  |
| 1169 |  | 1 | 2 | 0 | R | H |  |
| 1170 |  | 1 | 2 | 0 | R | H |  |
| 1171 |  | 1 | 2 | 0 | R | H |  |
| 1172 |  | 1 | 2 | 0 | R | H |  |
| 1173 |  | 1 | 2 | 0 | R | H |  |
| 1174 |  | 1 | 2 | 0 | R | H |  |
| 1175 |  | 1 | 2 | 0 | R | H |  |
| 1176 |  | 1 | 2 | 0 | R | H |  |
| 1177 |  | 1 | 2 | 0 | R | H |  |

Table 1.108

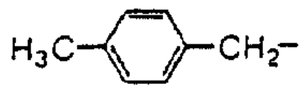
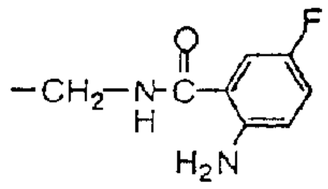
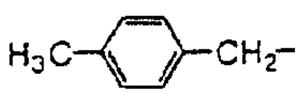
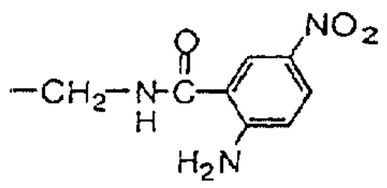
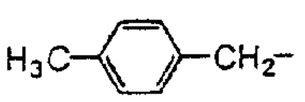
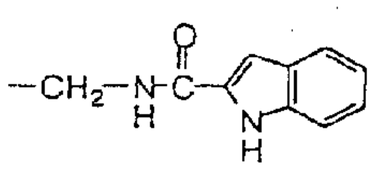
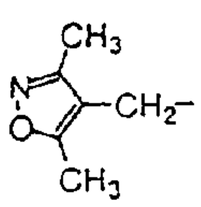
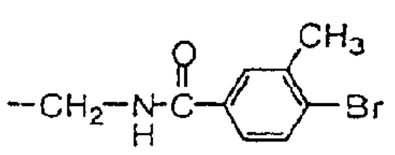
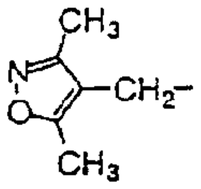
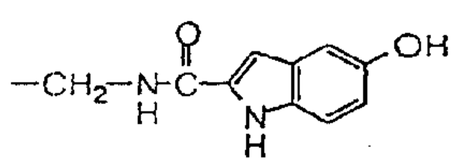
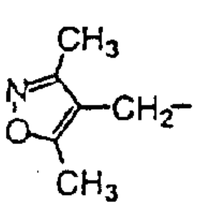
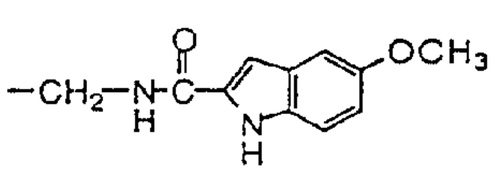
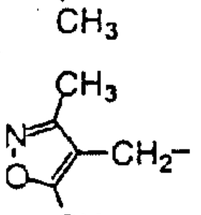
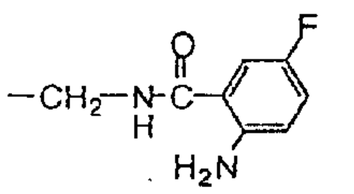
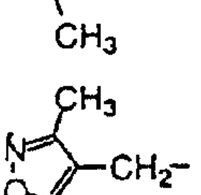
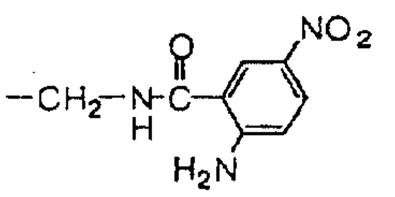
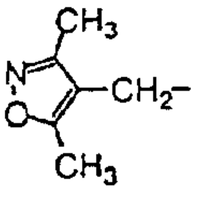
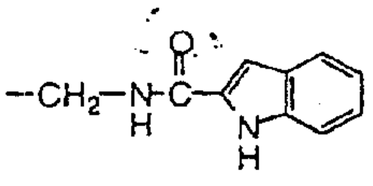
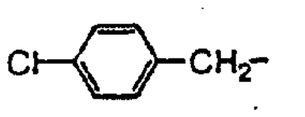
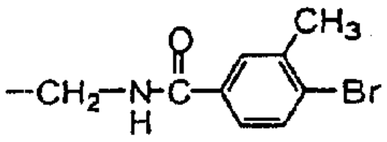
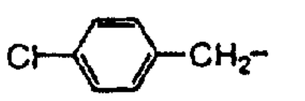
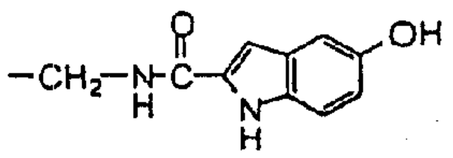
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1178 |  | 1 | 2 | 0 | R | H |  |
| 1179 |  | 1 | 2 | 0 | R | H |  |
| 1180 |  | 1 | 2 | 0 | R | H |  |
| 1181 |  | 1 | 2 | 0 | R | H |  |
| 1182 |  | 1 | 2 | 0 | R | H |  |
| 1183 |  | 1 | 2 | 0 | R | H |  |
| 1184 |  | 1 | 2 | 0 | R | H |  |
| 1185 |  | 1 | 2 | 0 | R | H |  |
| 1186 |  | 1 | 2 | 0 | R | H |  |
| 1187 |  | 2 | 2 | 1 | - | H |  |
| 1188 |  | 2 | 2 | 1 | - | H |  |

Table 1.109

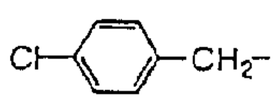
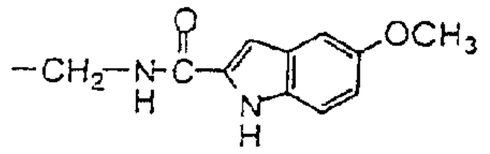
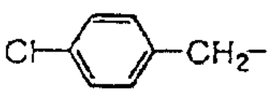
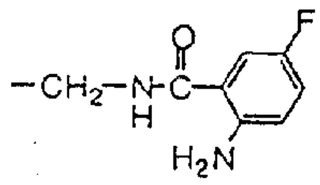
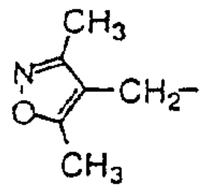
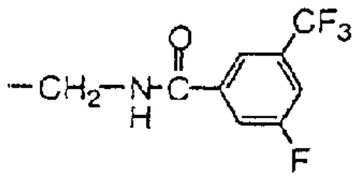
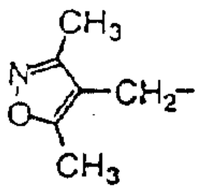
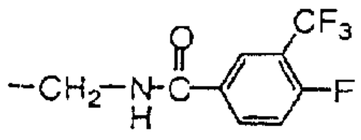
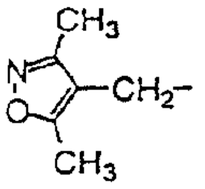
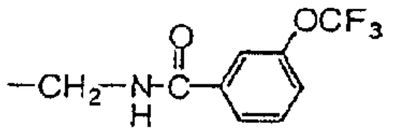
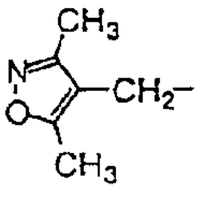
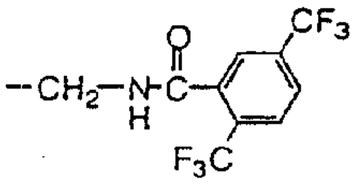
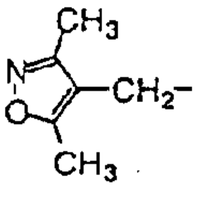
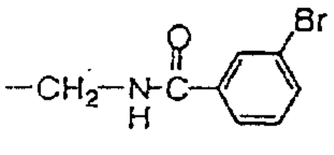
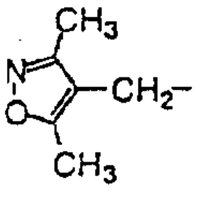
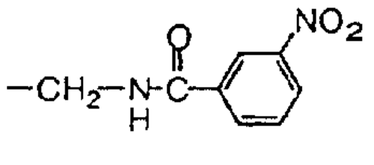
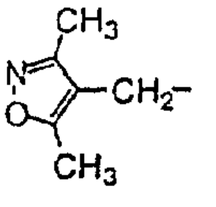
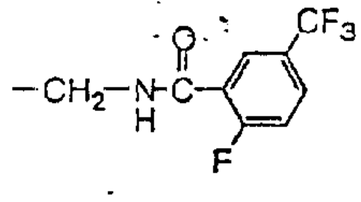
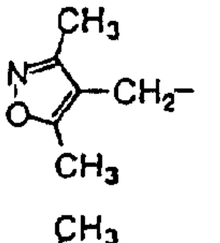
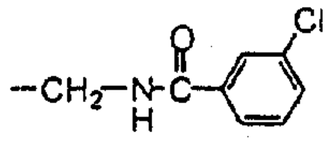
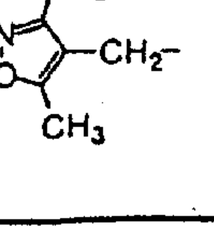
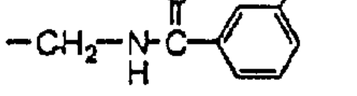
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1189 |  | 2 | 2 | 1 | - | H |  |
| 1190 |  | 2 | 2 | 1 | - | H |  |
| 1191 |  | 1 | 2 | 0 | R | H |  |
| 1192 |  | 1 | 2 | 0 | R | H |  |
| 1193 |  | 1 | 2 | 0 | R | H |  |
| 1194 |  | 1 | 2 | 0 | R | H |  |
| 1195 |  | 1 | 2 | 0 | R | H |  |
| 1196 |  | 1 | 2 | 0 | R | H |  |
| 1197 |  | 1 | 2 | 0 | R | H |  |
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| 1199 |  | 1 | 2 | 0 | R | H |  |

**Table 1.110**

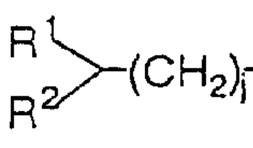
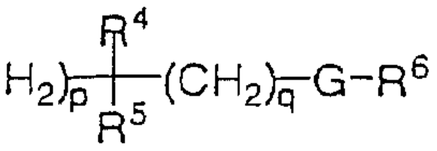
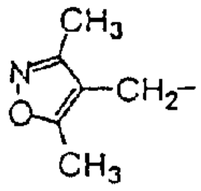
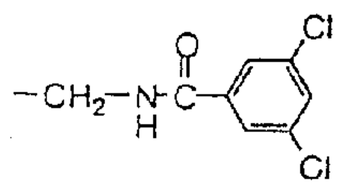
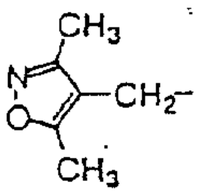
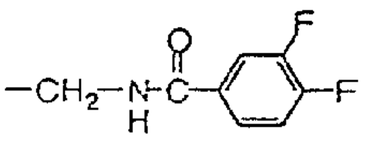
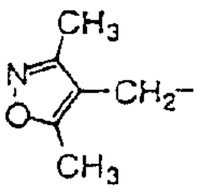
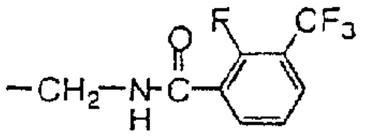
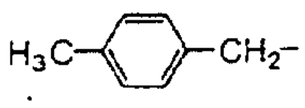
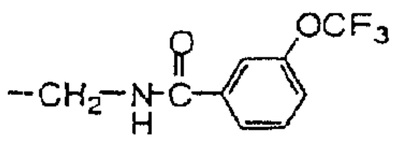
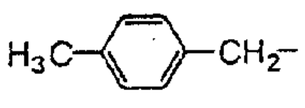
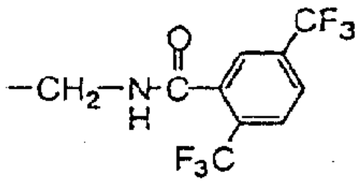
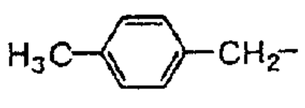
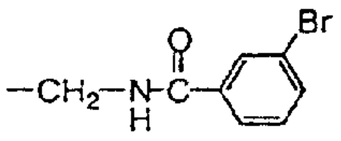
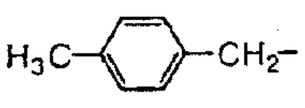
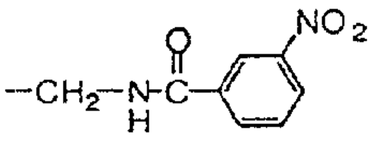
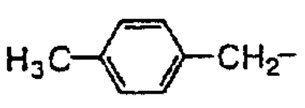
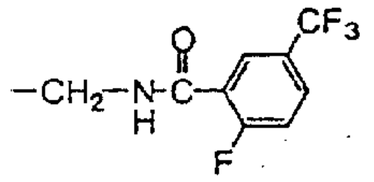
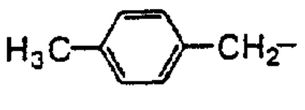
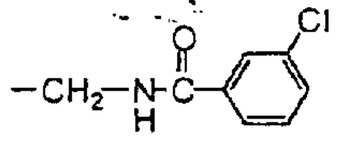
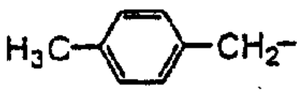
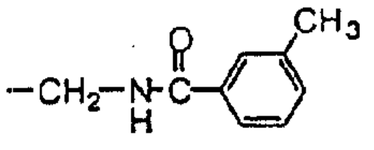
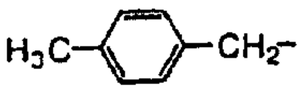
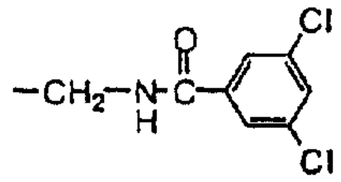
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 1200 |  | 1 | 2 | 0 | R | H |  |
| 1201 |  | 1 | 2 | 0 | R | H |  |
| 1202 |  | 1 | 2 | 0 | R | H |  |
| 1203 |  | 1 | 2 | 0 | R | H |  |
| 1204 |  | 1 | 2 | 0 | R | H |  |
| 1205 |  | 1 | 2 | 0 | R | H |  |
| 1206 |  | 1 | 2 | 0 | R | H |  |
| 1207 |  | 1 | 2 | 0 | R | H |  |
| 1208 |  | 1 | 2 | 0 | R | H |  |
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| 1210 |  | 1 | 2 | 0 | R | H |  |

Table 1.111

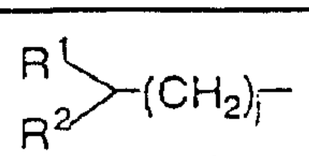
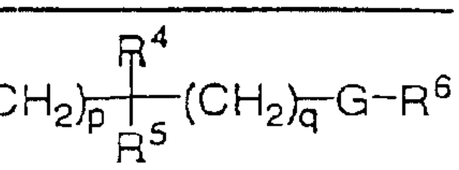
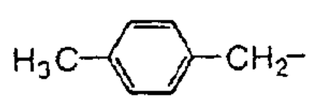
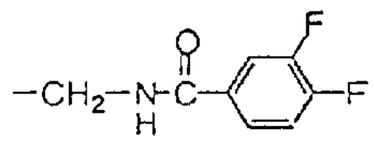
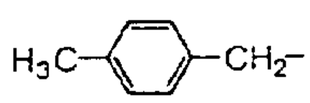
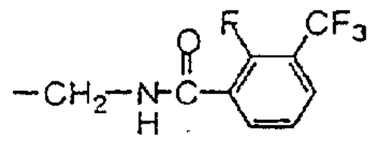
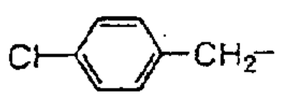
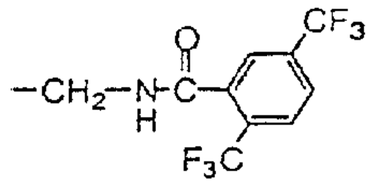
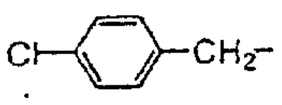
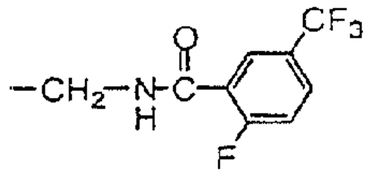
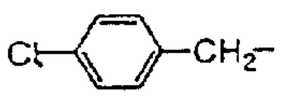
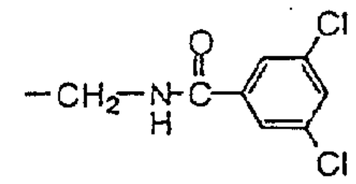
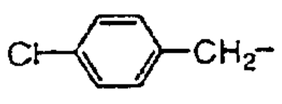
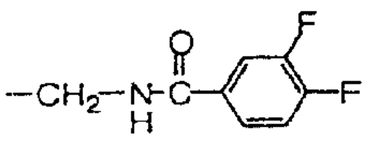
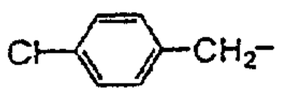
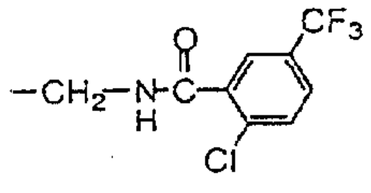
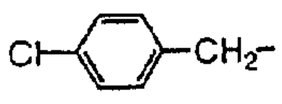
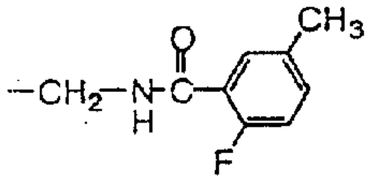
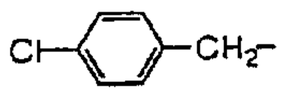
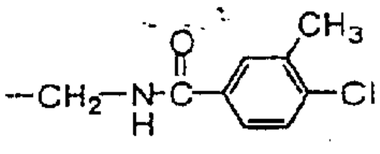
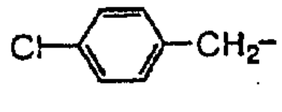
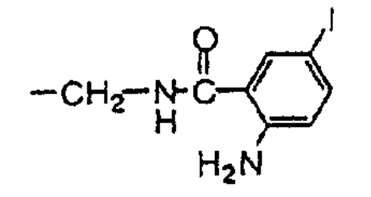
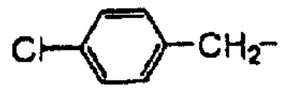
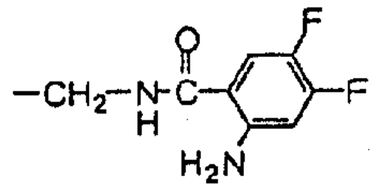
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 1211 |  | 1 | 2 | 0 | R | H |  |
| 1212 |  | 1 | 2 | 0 | R | H |  |
| 1213 |  | 2 | 2 | 1 | - | H |  |
| 1214 |  | 2 | 2 | 1 | - | H |  |
| 1215 |  | 2 | 2 | 1 | - | H |  |
| 1216 |  | 2 | 2 | 1 | - | H |  |
| 1217 |  | 1 | 2 | 0 | R | H |  |
| 1218 |  | 1 | 2 | 0 | R | H |  |
| 1219 |  | 1 | 2 | 0 | R | H |  |
| 1220 |  | 1 | 2 | 0 | R | H |  |
| 1221 |  | 1 | 2 | 0 | R | H |  |

Table 1.112

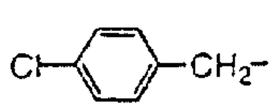
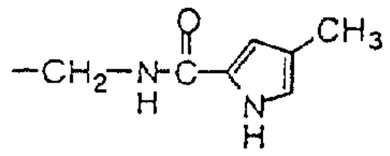
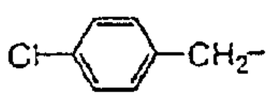
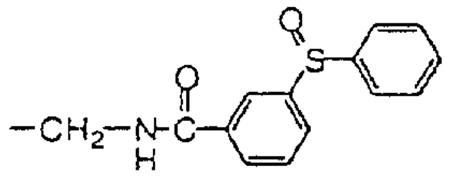
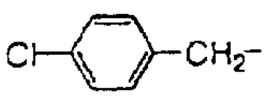
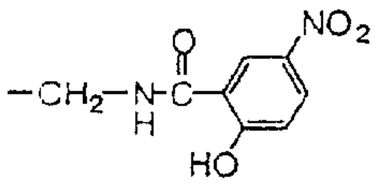
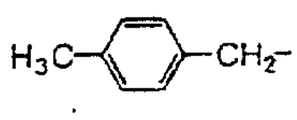
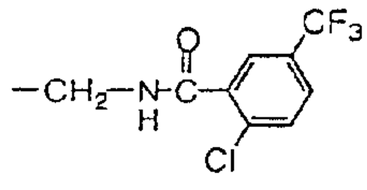
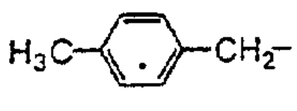
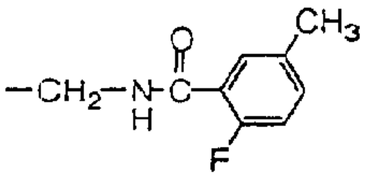
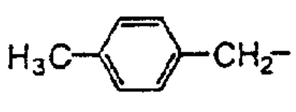
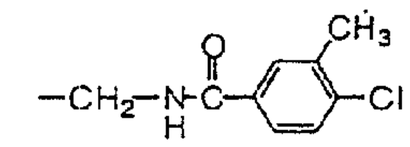
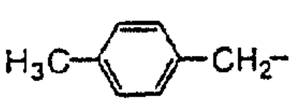
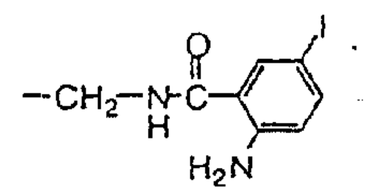
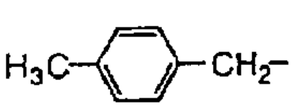
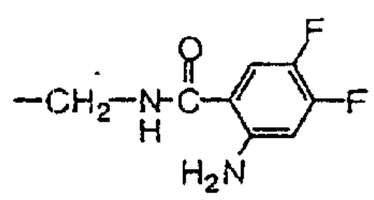
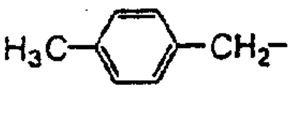
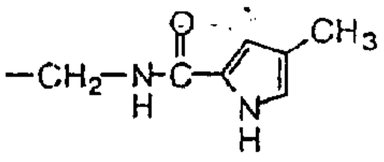
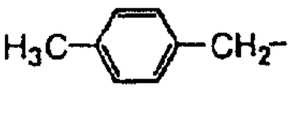
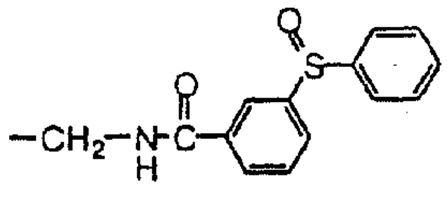
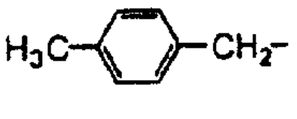
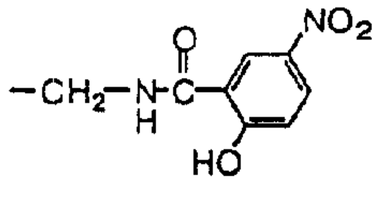
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1222 |  | 1 | 2 | 0 | R | H |  |
| 1223 |  | 1 | 2 | 0 | R | H |  |
| 1224 |  | 1 | 2 | 0 | R | H |  |
| 1225 |  | 1 | 2 | 0 | R | H |  |
| 1226 |  | 1 | 2 | 0 | R | H |  |
| 1227 |  | 1 | 2 | 0 | R | H |  |
| 1228 |  | 1 | 2 | 0 | R | H |  |
| 1229 |  | 1 | 2 | 0 | R | H |  |
| 1230 |  | 1 | 2 | 0 | R | H |  |
| 1231 |  | 1 | 2 | 0 | R | H |  |
| 1232 |  | 1 | 2 | 0 | R | H |  |

Table 1.113

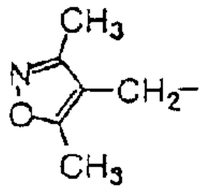
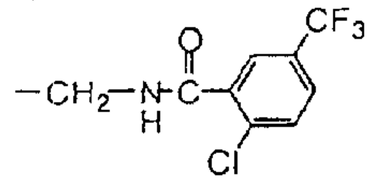
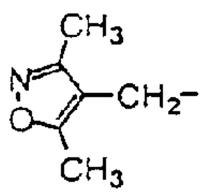
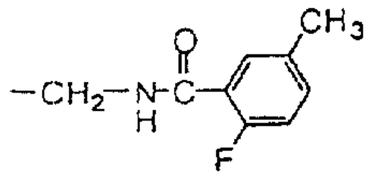
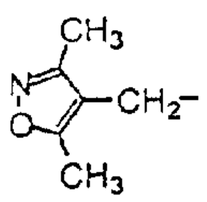
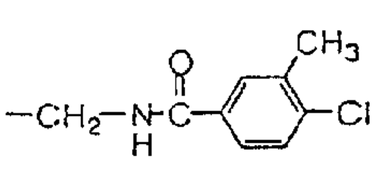
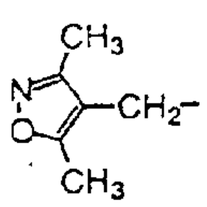
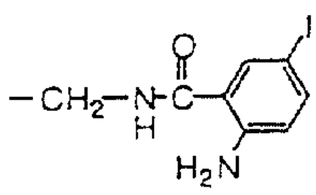
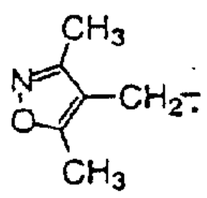
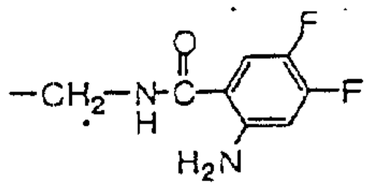
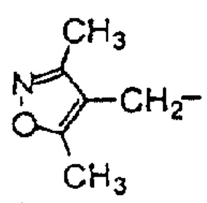
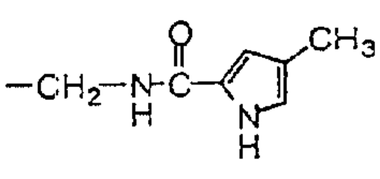
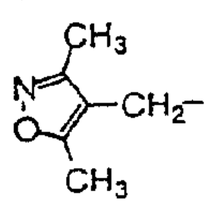
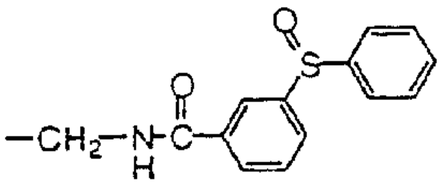
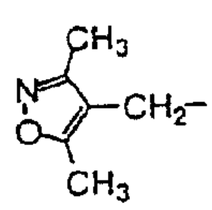
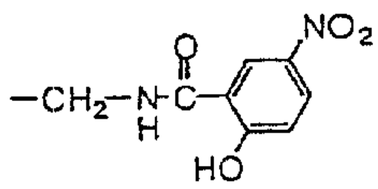
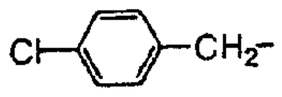
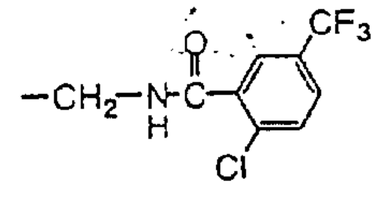
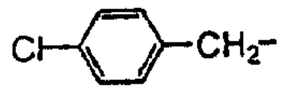
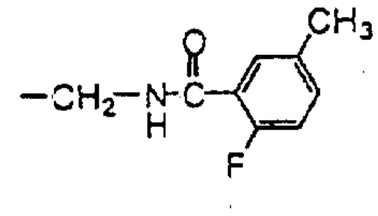
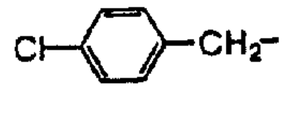
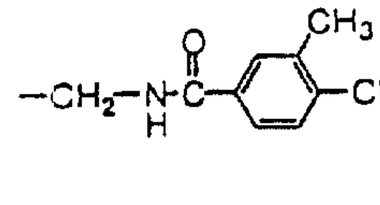
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1233 |  | 1 | 2 | 0 | R | H |  |
| 1234 |  | 1 | 2 | 0 | R | H |  |
| 1235 |  | 1 | 2 | 0 | R | H |  |
| 1236 |  | 1 | 2 | 0 | R | H |  |
| 1237 |  | 1 | 2 | 0 | R | H |  |
| 1238 |  | 1 | 2 | 0 | R | H |  |
| 1239 |  | 1 | 2 | 0 | R | H |  |
| 1240 |  | 1 | 2 | 0 | R | H |  |
| 1241 |  | 2 | 2 | 1 | - | H |  |
| 1242 |  | 2 | 2 | 1 | - | H |  |
| 1243 |  | 2 | 2 | 1 | - | H |  |

Table 1.114

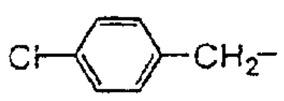
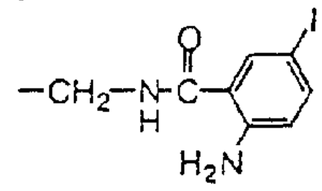
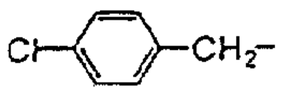
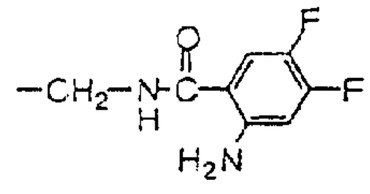
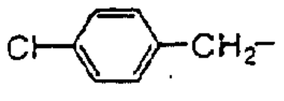
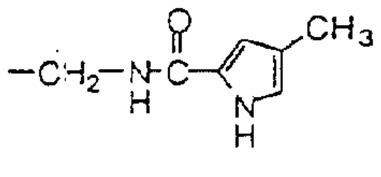
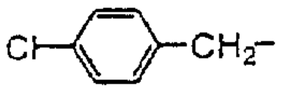
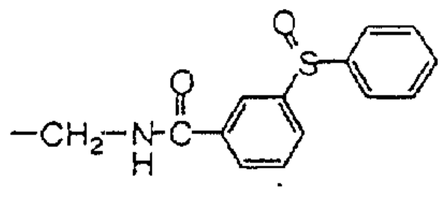
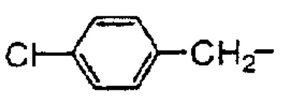
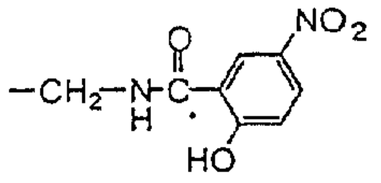
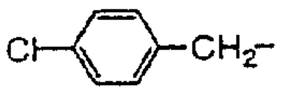
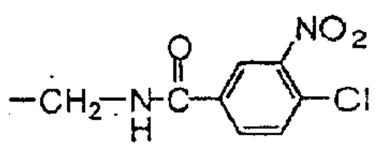
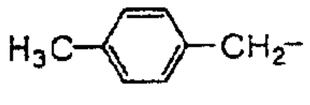
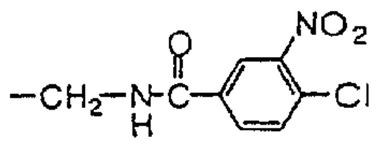
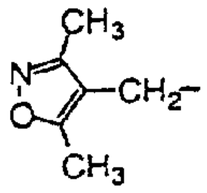
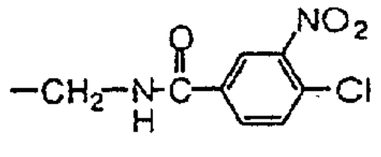
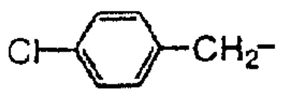
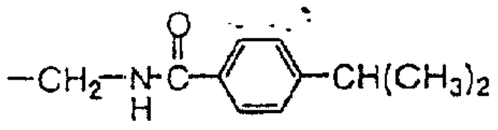
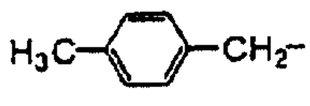
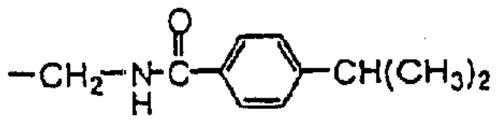
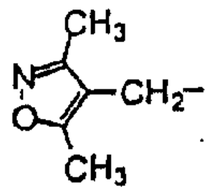
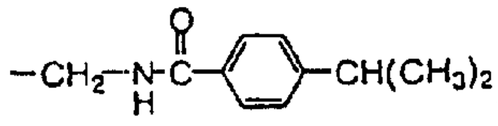
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1244 |  | 2 | 2 | 1 | - | H |  |
| 1245 |  | 2 | 2 | 1 | - | H |  |
| 1246 |  | 2 | 2 | 1 | - | H |  |
| 1247 |  | 2 | 2 | 1 | - | H |  |
| 1248 |  | 2 | 2 | 1 | - | H |  |
| 1249 |  | 1 | 2 | 0 | R | H |  |
| 1250 |  | 1 | 2 | 0 | R | H |  |
| 1251 |  | 1 | 2 | 0 | R | H |  |
| 1252 |  | 1 | 2 | 0 | R | H |  |
| 1253 |  | 1 | 2 | 0 | R | H |  |
| 1254 |  | 1 | 2 | 0 | R | H |  |

Table 1.115

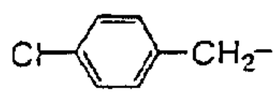
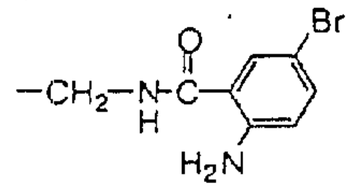
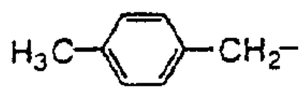
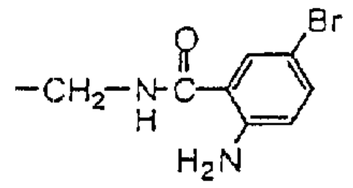
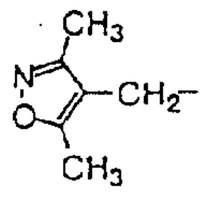
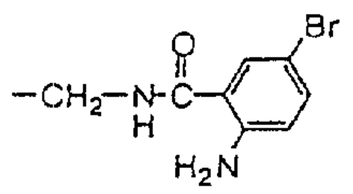
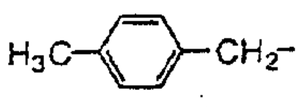
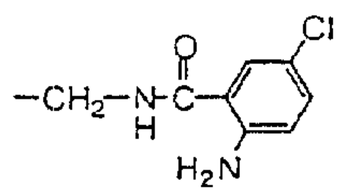
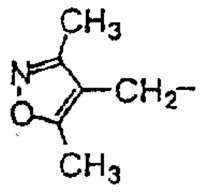
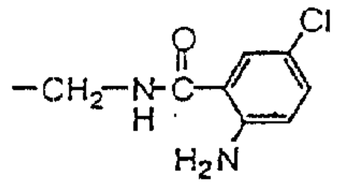
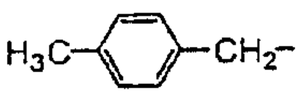
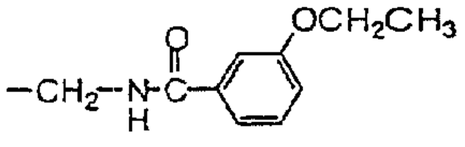
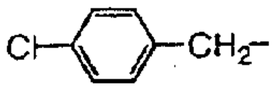
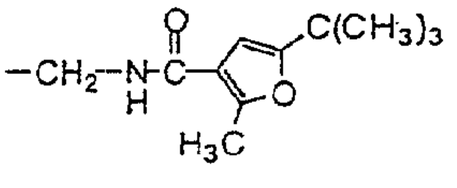
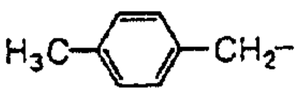
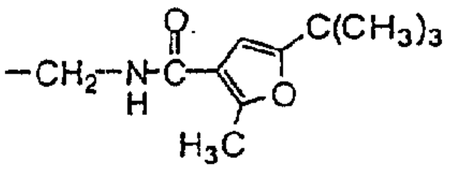
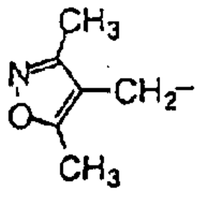
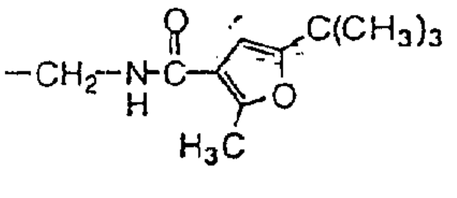
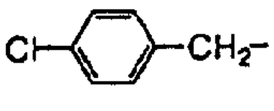
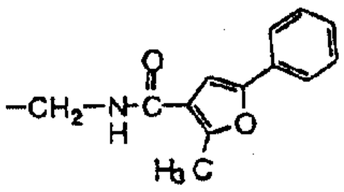
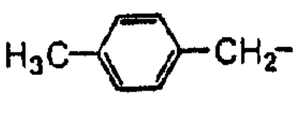
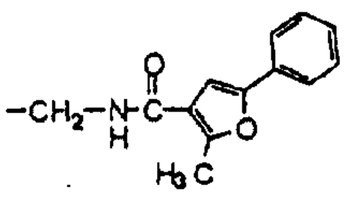
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1255 |  | 1 | 2 | 0 | R | H |  |
| 1256 |  | 1 | 2 | 0 | R | H |  |
| 1257 |  | 1 | 2 | 0 | R | H |  |
| 1258 |  | 1 | 2 | 0 | R | H |  |
| 1259 |  | 1 | 2 | 0 | R | H |  |
| 1260 |  | 1 | 2 | 0 | R | H |  |
| 1261 |  | 1 | 2 | 0 | R | H |  |
| 1262 |  | 1 | 2 | 0 | R | H |  |
| 1263 |  | 1 | 2 | 0 | R | H |  |
| 1264 |  | 1 | 2 | 0 | R | H |  |
| 1265 |  | 1 | 2 | 0 | R | H |  |

Table 1.116

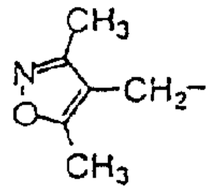
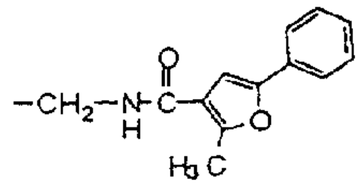
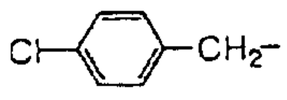
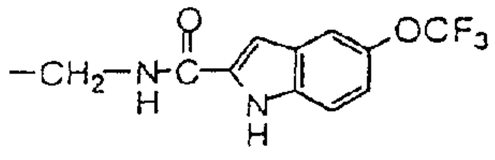
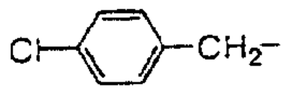
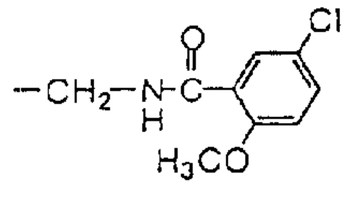
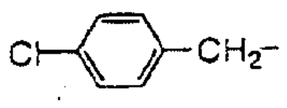
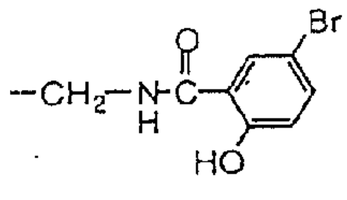
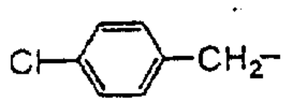
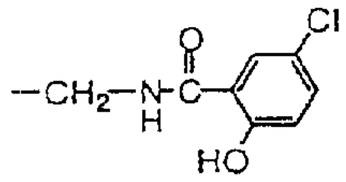
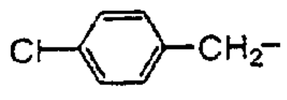
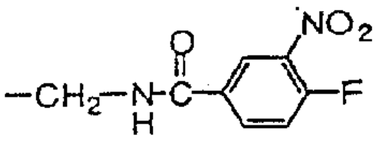
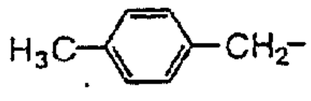
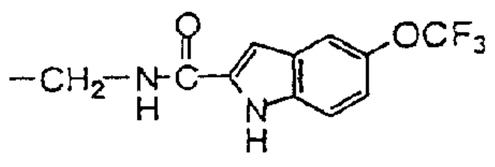
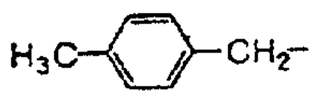
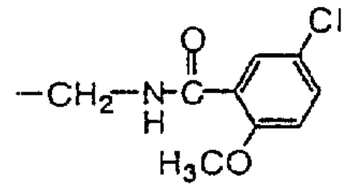
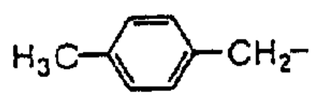
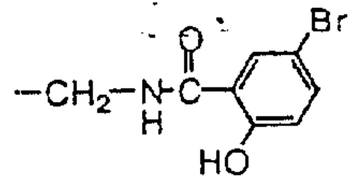
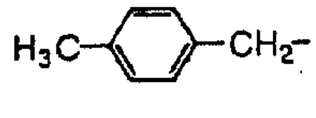
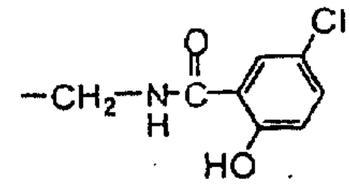
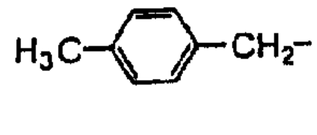
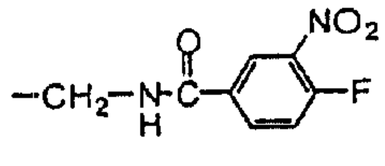
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1266 |  | 1 | 2 | 0 | R | H |  |
| 1267 |  | 1 | 2 | 0 | R | H |  |
| 1268 |  | 1 | 2 | 0 | R | H |  |
| 1269 |  | 1 | 2 | 0 | R | H |  |
| 1270 |  | 1 | 2 | 0 | R | H |  |
| 1271 |  | 1 | 2 | 0 | R | H |  |
| 1272 |  | 1 | 2 | 0 | R | H |  |
| 1273 |  | 1 | 2 | 0 | R | H |  |
| 1274 |  | 1 | 2 | 0 | R | H |  |
| 1275 |  | 1 | 2 | 0 | R | H |  |
| 1276 |  | 1 | 2 | 0 | R | H |  |

Table 1.117

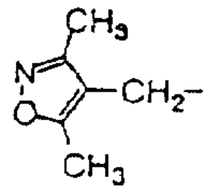
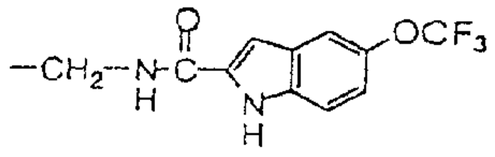
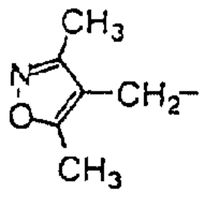
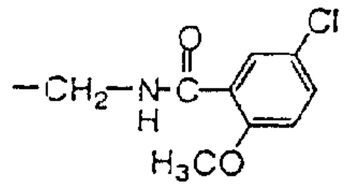
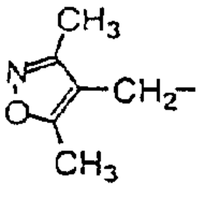
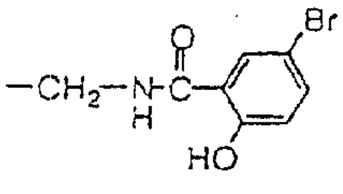
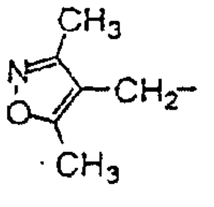
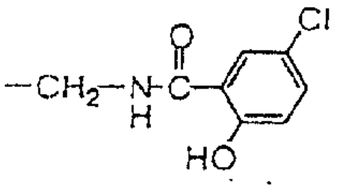
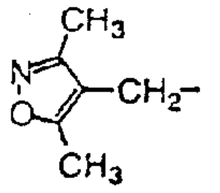
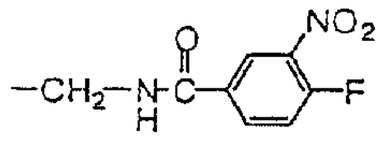
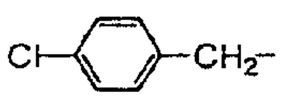
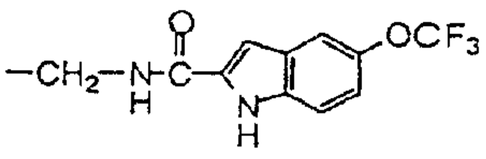
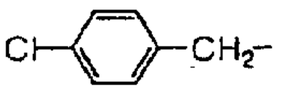
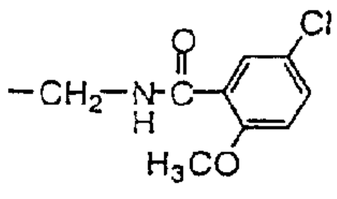
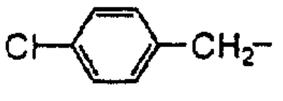
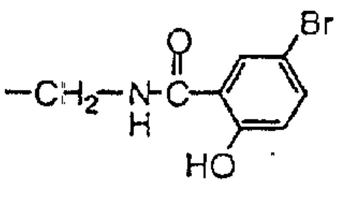
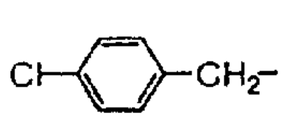
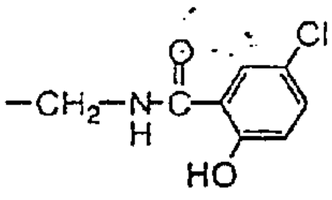
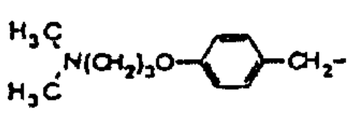
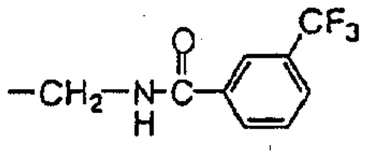
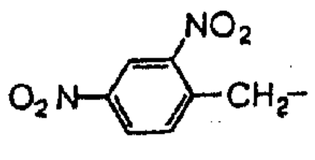
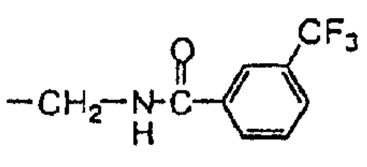
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1277 |  | 1 | 2 | 0 | R | H |  |
| 1278 |  | 1 | 2 | 0 | R | H |  |
| 1279 |  | 1 | 2 | 0 | R | H |  |
| 1280 |  | 1 | 2 | 0 | R | H |  |
| 1281 |  | 1 | 2 | 0 | R | H |  |
| 1282 |  | 2 | 2 | 1 | - | H |  |
| 1283 |  | 2 | 2 | 1 | - | H |  |
| 1284 |  | 2 | 2 | 1 | - | H |  |
| 1285 |  | 2 | 2 | 1 | - | H |  |
| 1286 |  | 1 | 2 | 0 | R | H |  |
| 1287 |  | 1 | 2 | 0 | R | H |  |

Table 1.118

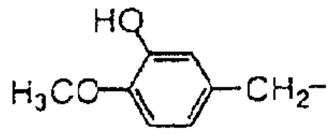
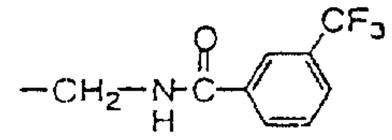
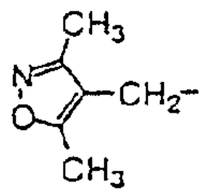
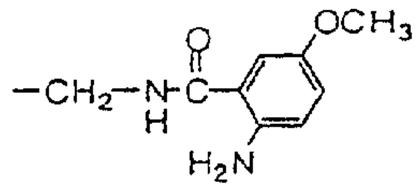
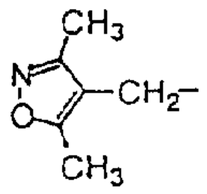
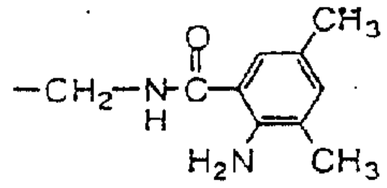
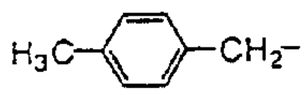
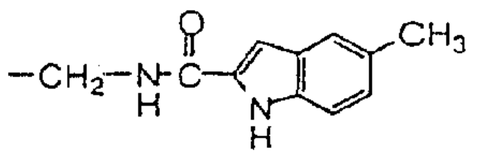
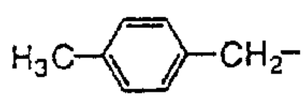
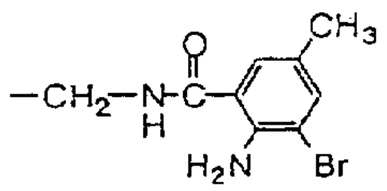
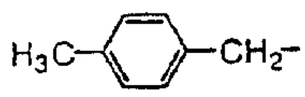
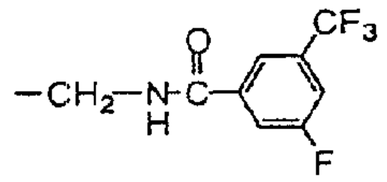
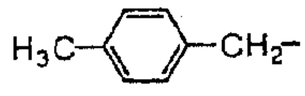
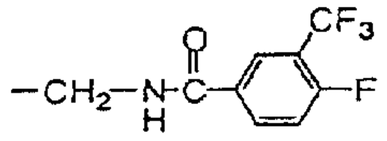
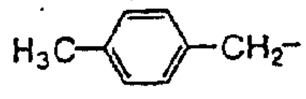
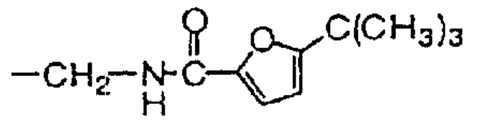
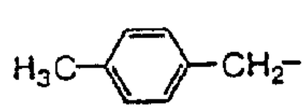
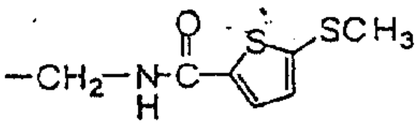
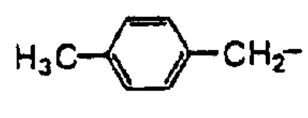
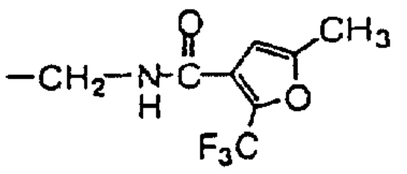
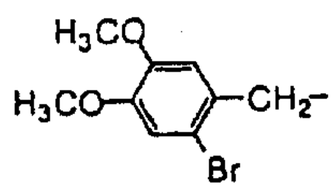
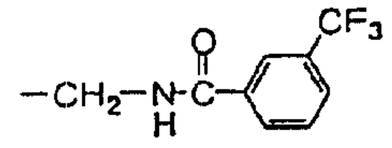
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1288 |  | 1 | 2 | 0 | R | H |  |
| 1289 |  | 1 | 2 | 0 | R | H |  |
| 1290 |  | 1 | 2 | 0 | R | H |  |
| 1291 |  | 1 | 2 | 0 | R | H |  |
| 1292 |  | 1 | 2 | 0 | R. | H |  |
| 1293 |  | 1 | 2 | 0 | R | H |  |
| 1294 |  | 1 | 2 | 0 | R | H |  |
| 1295 |  | 1 | 2 | 0 | R | H |  |
| 1296 |  | 1 | 2 | 0 | R | H |  |
| 1297 |  | 1 | 2 | 0 | R | H |  |
| 1298 |  | 1 | 2 | 0 | R | H |  |

Table 1.119

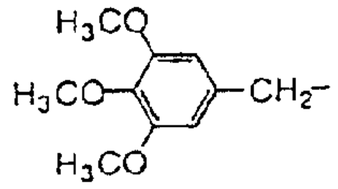
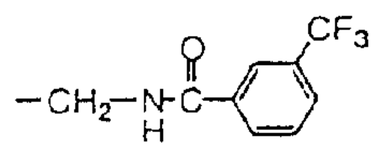
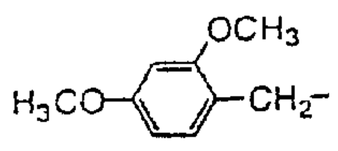
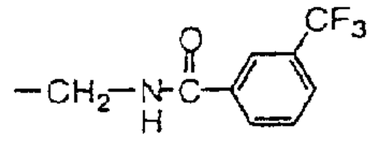
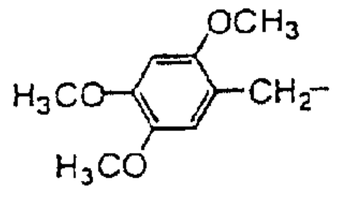
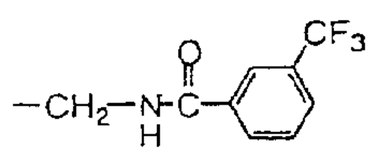
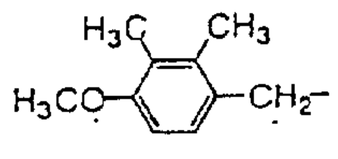
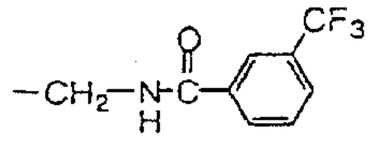
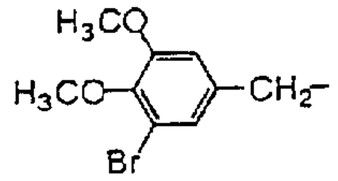
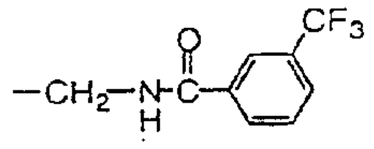
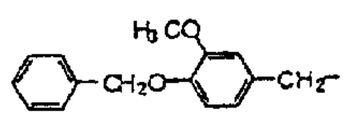
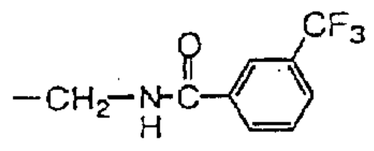
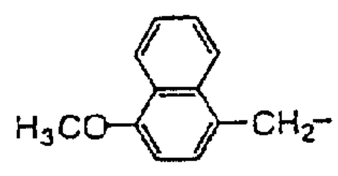
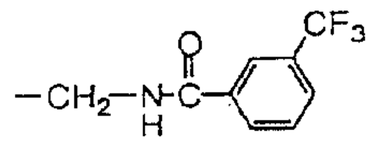
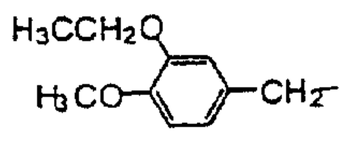
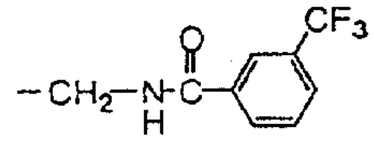
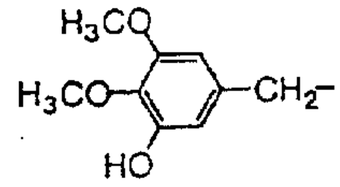
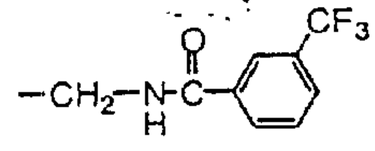
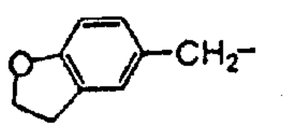
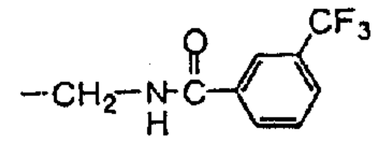
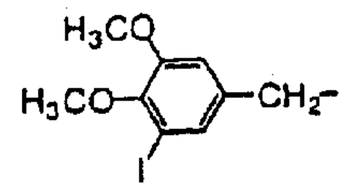
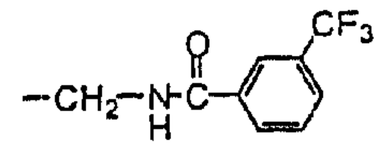
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1299 |  | 1 | 2 | 0 | R | H |  |
| 1300 |  | 1 | 2 | 0 | R | H |  |
| 1301 |  | 1 | 2 | 0 | R | H |  |
| 1302 |  | 1 | 2 | 0 | R | H |  |
| 1303 |  | 1 | 2 | 0 | R | H |  |
| 1304 |  | 1 | 2 | 0 | R | H |  |
| 1305 |  | 1 | 2 | 0 | R | H |  |
| 1306 |  | 1 | 2 | 0 | R | H |  |
| 1307 |  | 1 | 2 | 0 | R | H |  |
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Table 1.120

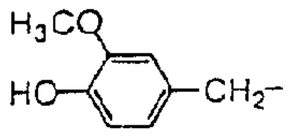
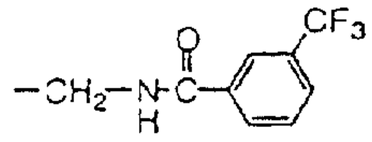
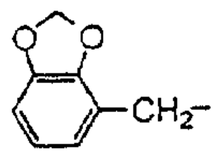
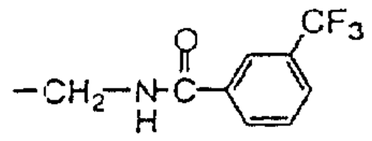
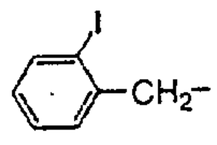
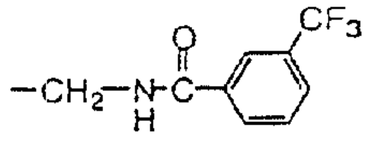
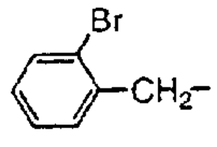
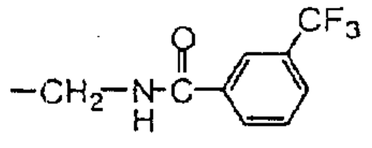
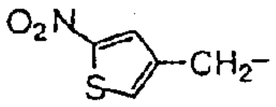
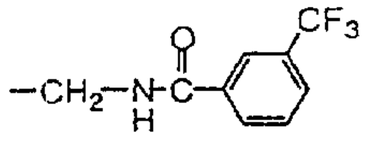
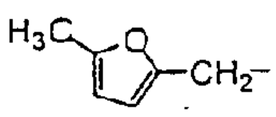
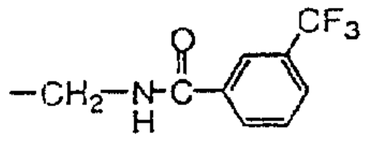
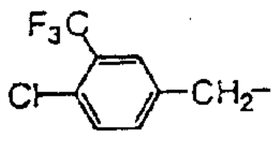
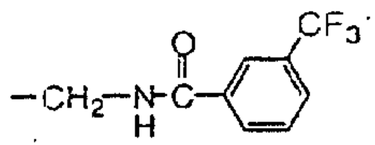
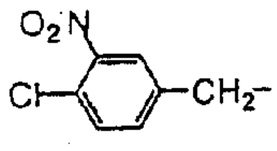
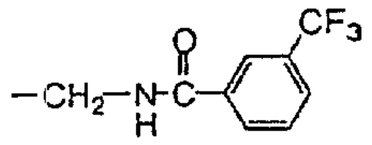
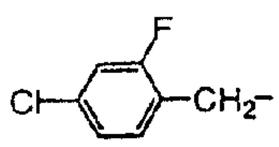
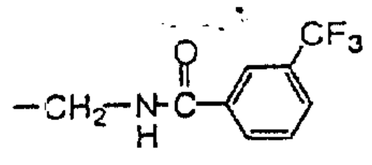
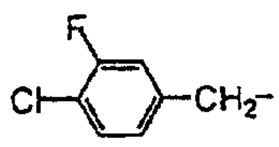
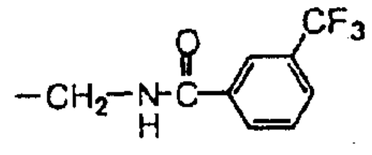
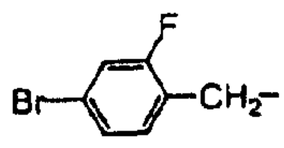
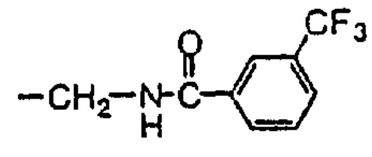
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1310 |  | 1 | 2 | 0 | R | H |  |
| 1311 |  | 1 | 2 | 0 | R | H |  |
| 1312 |  | 1 | 2 | 0 | R | H |  |
| 1313 |  | 1 | 2 | 0 | R | H |  |
| 1314 |  | 1 | 2 | 0 | R | H |  |
| 1315 |  | 1 | 2 | 0 | R | H |  |
| 1316 |  | 1 | 2 | 0 | R | H |  |
| 1317 |  | 1 | 2 | 0 | R | H |  |
| 1318 |  | 1 | 2 | 0 | R | H |  |
| 1319 |  | 1 | 2 | 0 | R | H |  |
| 1320 |  | 1 | 2 | 0 | R | H |  |

Table 1.121

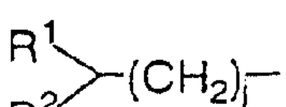
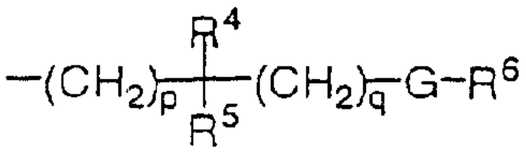
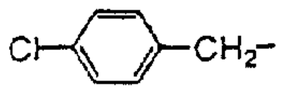
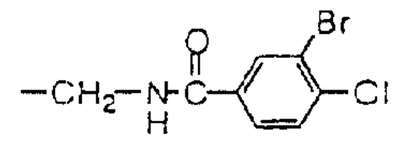
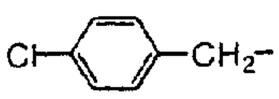
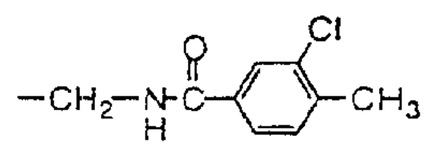
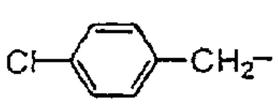
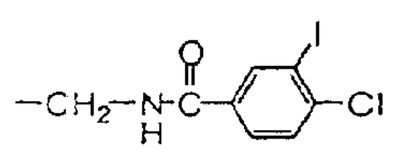
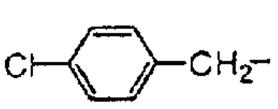
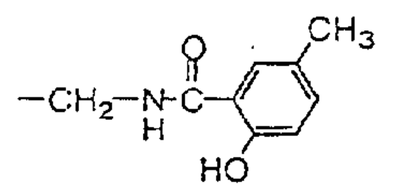
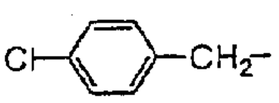
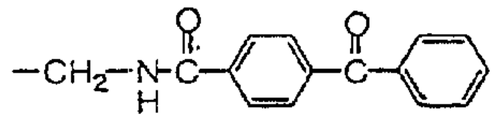
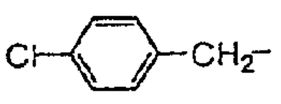
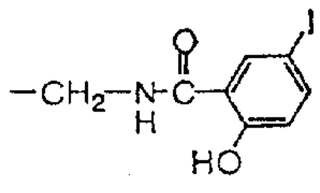
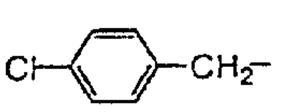
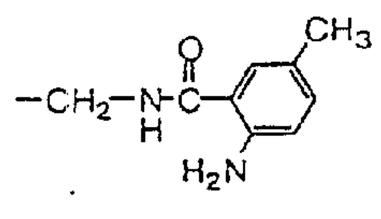
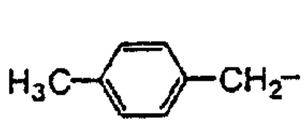
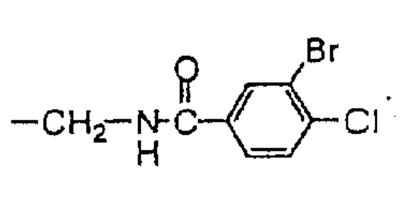
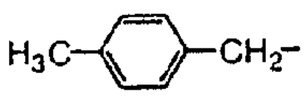
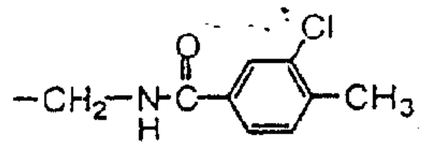
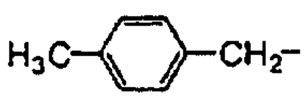
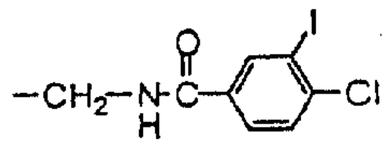
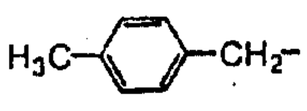
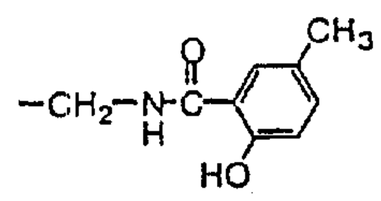
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 1321 |  | 1 | 2 | 0 | R | H |  |
| 1322 |  | 1 | 2 | 0 | R | H |  |
| 1323 |  | 1 | 2 | 0 | R | H |  |
| 1324 |  | 1 | 2 | 0 | R | H |  |
| 1325 |  | 1 | 2 | 0 | R | H |  |
| 1326 |  | 1 | 2 | 0 | R | H |  |
| 1327 |  | 1 | 2 | 0 | R | H |  |
| 1328 |  | 1 | 2 | 0 | R | H |  |
| 1329 |  | 1 | 2 | 0 | R | H |  |
| 1330 |  | 1 | 2 | 0 | R | H |  |
| 1331 |  | 1 | 2 | 0 | R | H |  |

Table 1.122

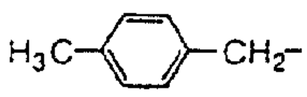
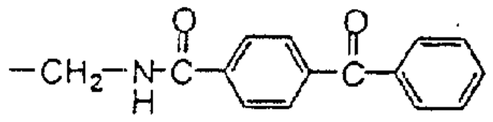
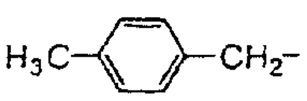
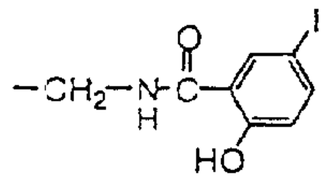
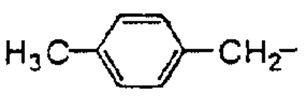
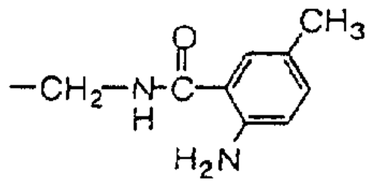
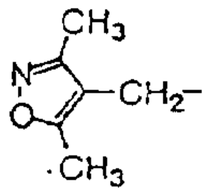
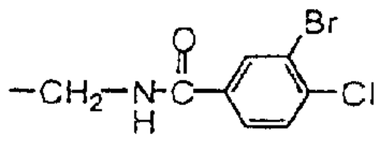
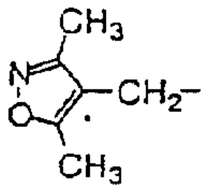
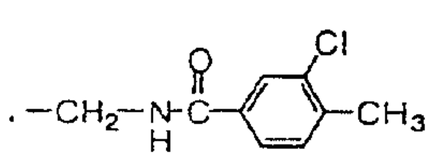
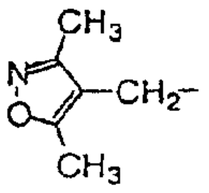
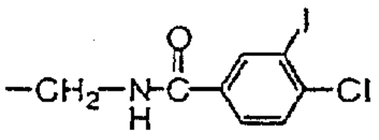
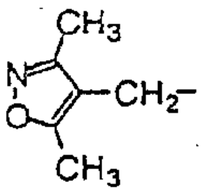
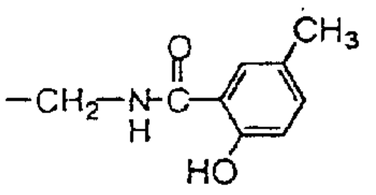
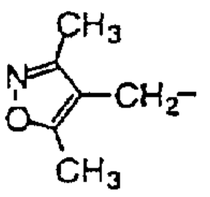
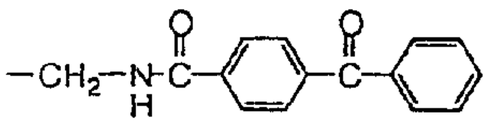
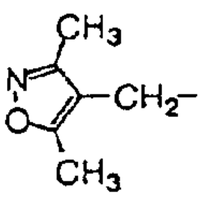
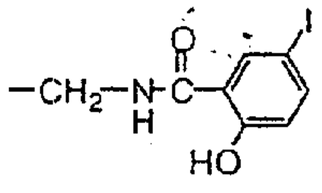
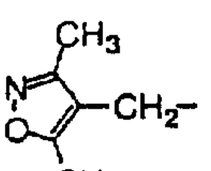
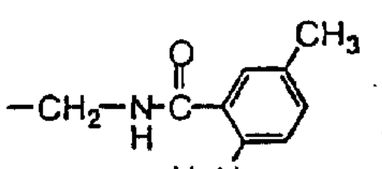
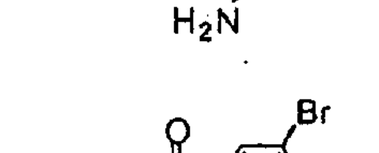
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1332 |  | 1 | 2 | 0 | R | H |  |
| 1333 |  | 1 | 2 | 0 | R | H |  |
| 1334 |  | 1 | 2 | 0 | R | H |  |
| 1335 |  | 1 | 2 | 0 | R | H |  |
| 1336 |  | 1 | 2 | 0 | R | H |  |
| 1337 |  | 1 | 2 | 0 | R | H |  |
| 1338 |  | 1 | 2 | 0 | R | H |  |
| 1339 |  | 1 | 2 | 0 | R | H |  |
| 1340 |  | 1 | 2 | 0 | R | H |  |
| 1341 |  | 1 | 2 | 0 | R | H |  |
| 1342 |  | 2 | 2 | 1 | - | H |  |

Table 1.123

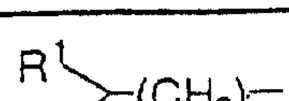
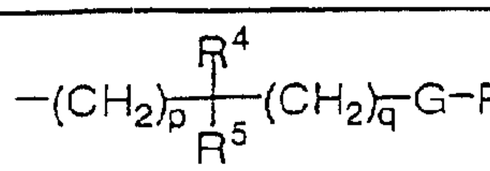
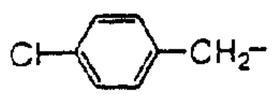
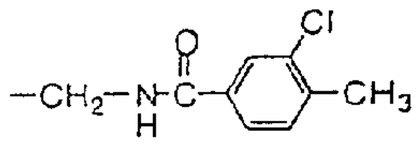
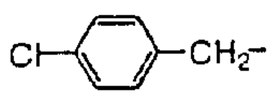
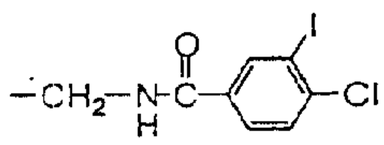
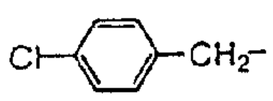
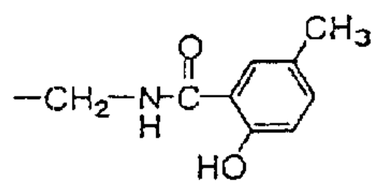
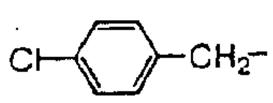
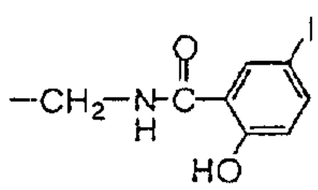
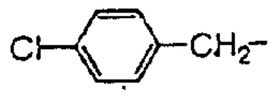
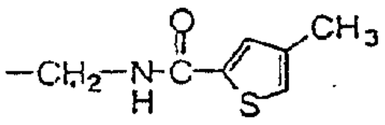
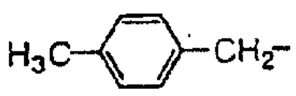
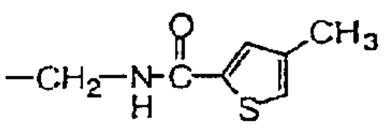
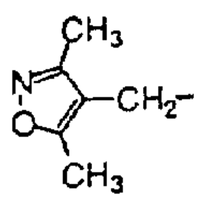
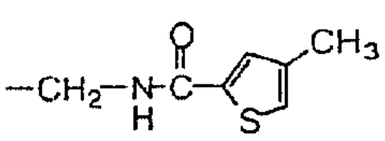
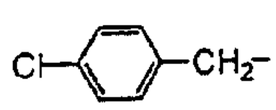
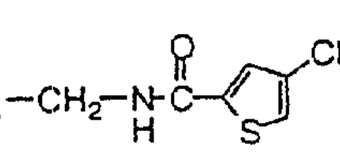
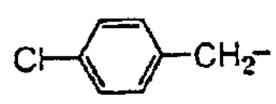
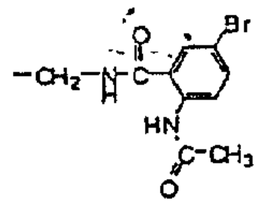
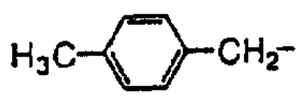
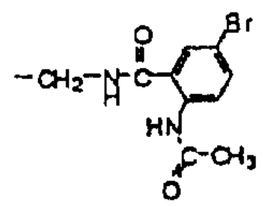
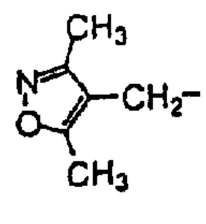
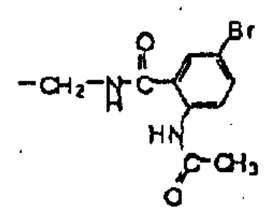
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 1343 |  | 2 | 2 | 1 | - | H |  |
| 1344 |  | 2 | 2 | 1 | - | H |  |
| 1345 |  | 2 | 2 | 1 | - | H |  |
| 1346 |  | 2 | 2 | 1 | - | H |  |
| 1347 |  | 1 | 2 | 0 | R | H |  |
| 1348 |  | 1 | 2 | 0 | R | H |  |
| 1349 |  | 1 | 2 | 0 | R | H |  |
| 1350 |  | 2 | 2 | 1 | - | H |  |
| 1351 |  | 1 | 2 | 0 | R | H |  |
| 1352 |  | 1 | 2 | 0 | R | H |  |
| 1353 |  | 1 | 2 | 0 | R | H |  |

Table 1.124

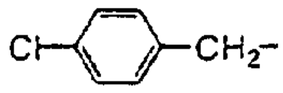
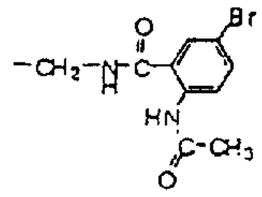
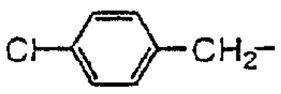
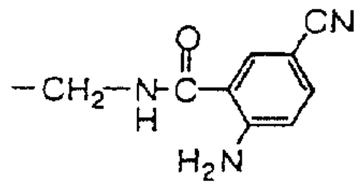
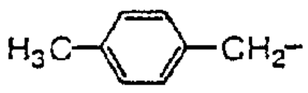
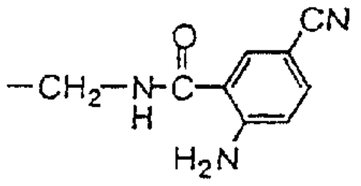
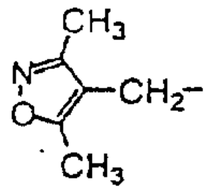
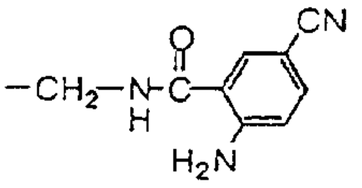
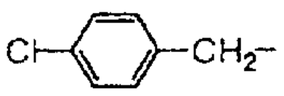
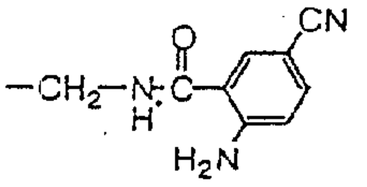
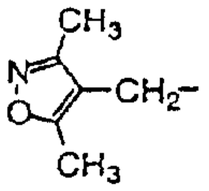
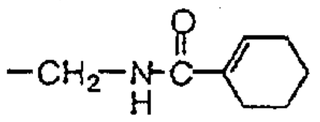
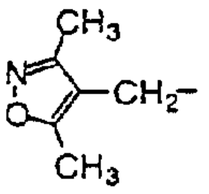
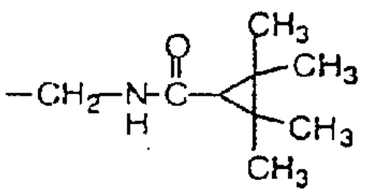
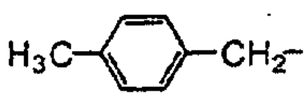
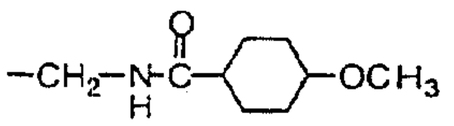
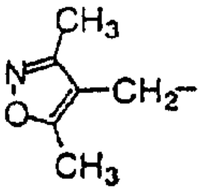
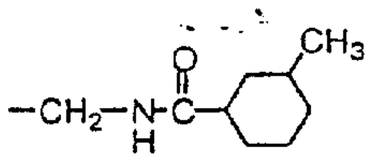
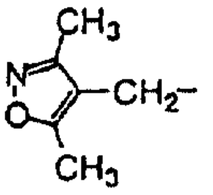
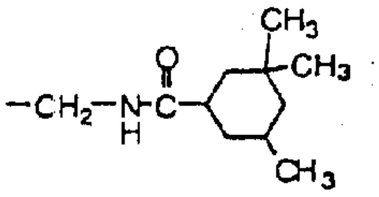
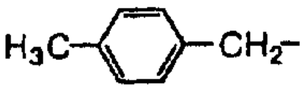
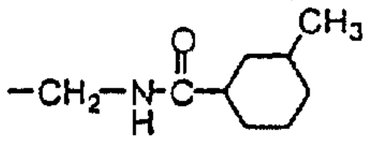
| Compd. No. | $R^1$, $R^2$, $-(CH_2)_l-$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1354 |  | 2 | 2 | 1 | - | H |  |
| 1355 |  | 1 | 2 | 0 | R | H |  |
| 1356 |  | 1 | 2 | 0 | R | H |  |
| 1357 |  | 1 | 2 | 0 | R | H |  |
| 1358 |  | 2 | 2 | 1 | - | H |  |
| 1359 |  | 1 | 2 | 0 | R | H |  |
| 1360 |  | 1 | 2 | 0 | R | H |  |
| 1361 |  | 1 | 2 | 0 | R | H |  |
| 1362 |  | 1 | 2 | 0 | R | H |  |
| 1363 |  | 1 | 2 | 0 | R | H |  |
| 1364 |  | 1 | 2 | 0 | R | H |  |

Table 1.125

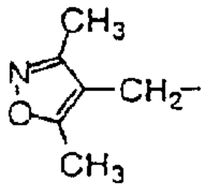
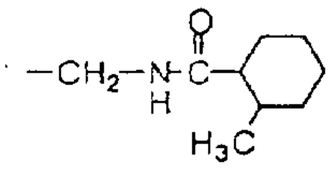
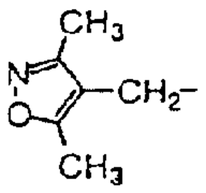
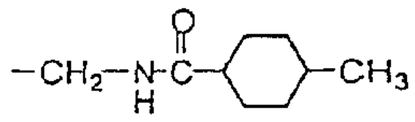
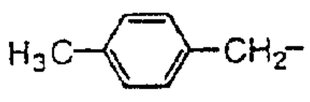
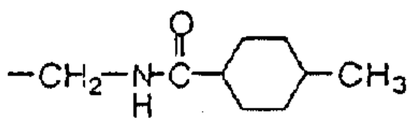
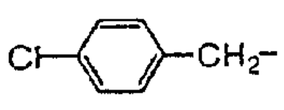
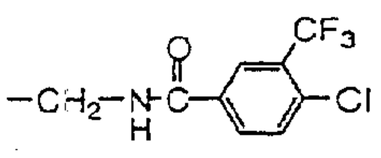
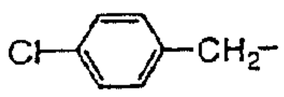
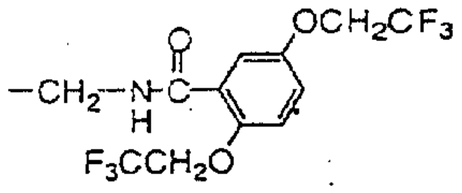
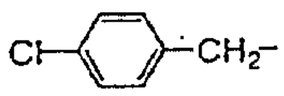
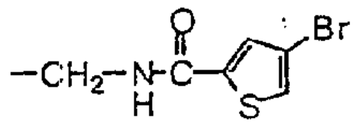
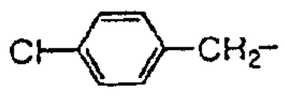
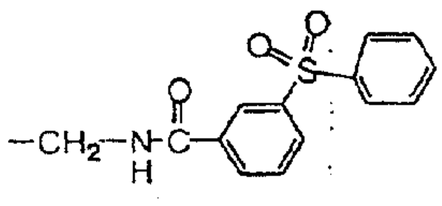
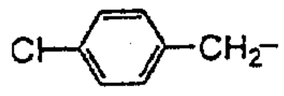
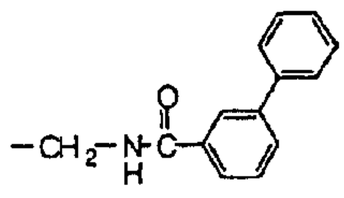
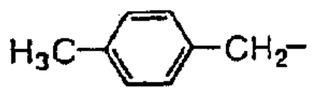
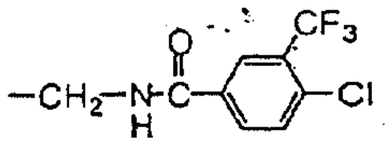
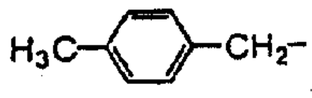
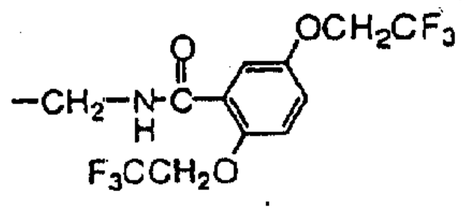
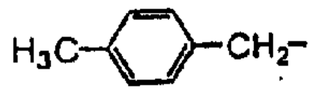
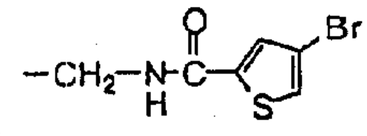
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1365 |  | 1 | 2 | 0 | R | H |  |
| 1366 |  | 1 | 2 | 0 | R | H |  |
| 1367 |  | 1 | 2 | 0 | R | H |  |
| 1368 |  | 1 | 2 | 0 | R | H |  |
| 1369 |  | 1. | 2 | 0 | R | H |  |
| 1370 |  | 1 | 2 | 0 | R | H |  |
| 1371 |  | 1 | 2 | 0 | R | H |  |
| 1372 |  | 1 | 2 | 0 | R | H |  |
| 1373 |  | 1 | 2 | 0 | R | H |  |
| 1374 |  | 1 | 2 | 0 | R | H |  |
| 1375 |  | 1 | 2 | 0 | R | H |  |

Table 1.126

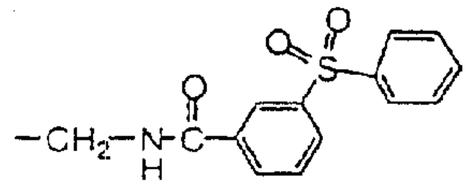
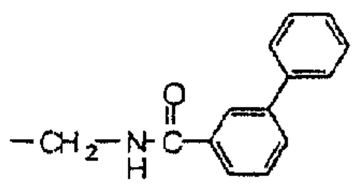
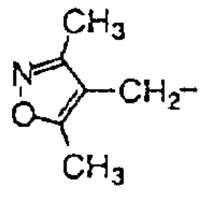
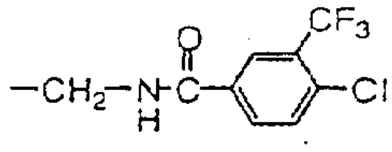
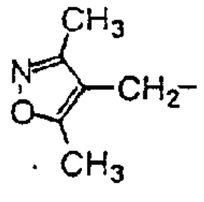
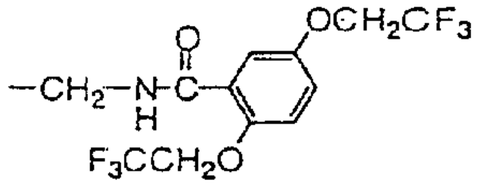
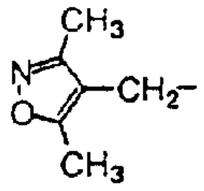
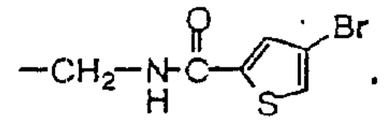
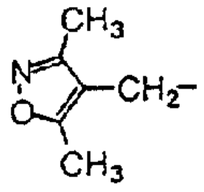
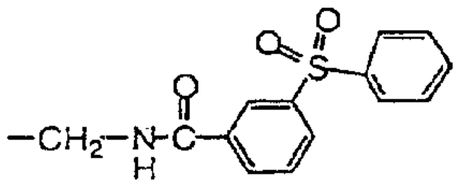
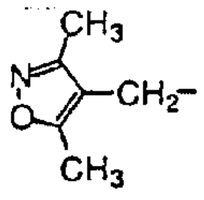
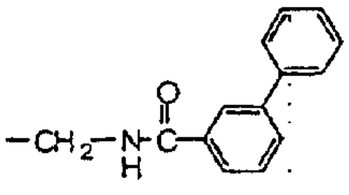
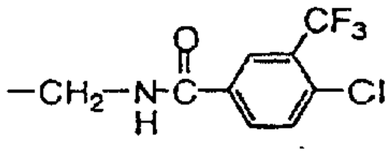
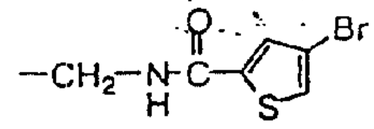
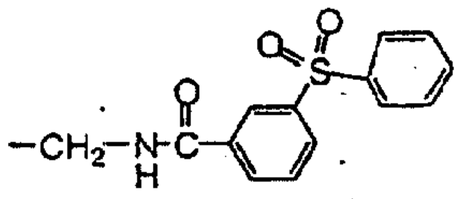
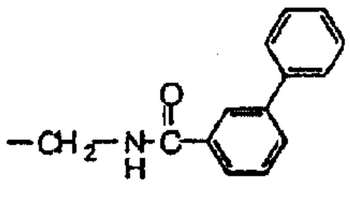
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1376 | $H_3C$-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 1377 | $H_3C$-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 1378 |  | 1 | 2 | 0 | R | H |  |
| 1379 |  | 1 | 2 | 0 | R | H |  |
| 1380 |  | 1 | 2 | 0 | R | H |  |
| 1381 |  | 1 | 2 | 0 | R | H |  |
| 1382 |  | 1 | 2 | 0 | R | H |  |
| 1383 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1384 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1385 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1386 | Cl-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |

Table 1.127

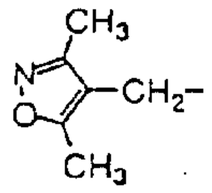
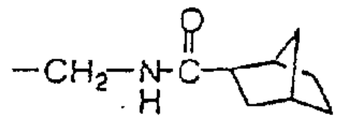
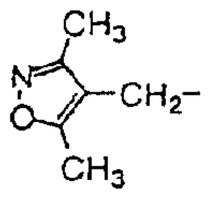
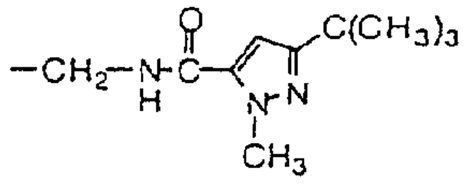
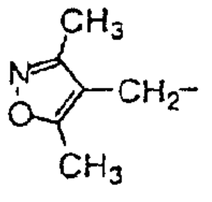
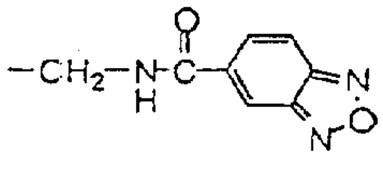
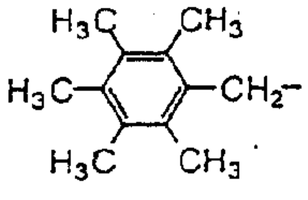
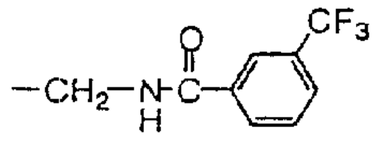
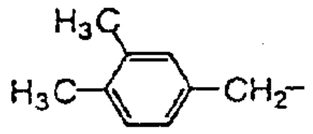
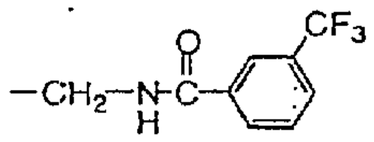
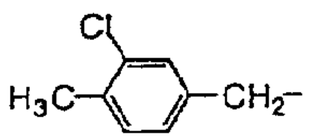
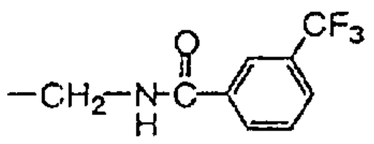
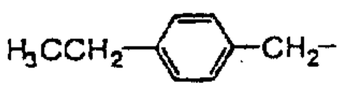
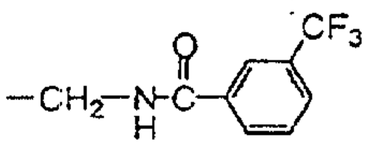
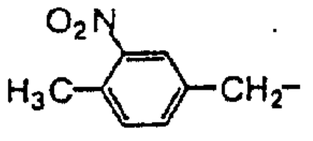
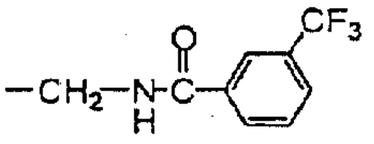
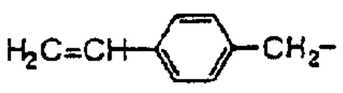
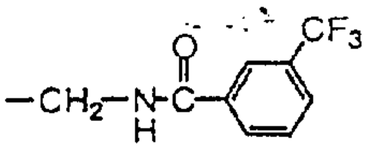
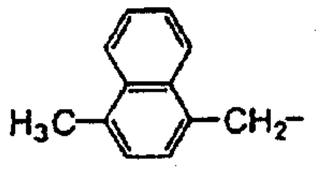
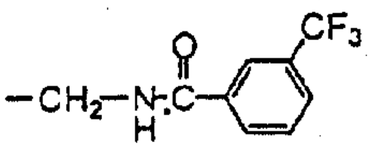
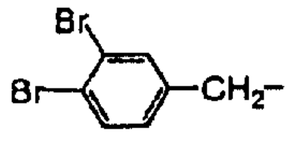
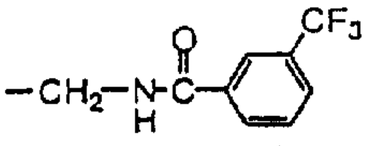
| Compd. No. | $R^1$, $R^2$, $-(CH_2)_l-$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1387 |  | 1 | 2 | 0 | R | H |  |
| 1388 |  | 1 | 2 | 0 | R | H |  |
| 1389 |  | 1 | 2 | 0 | R | H |  |
| 1390 |  | 1 | 2 | 0 | R | H |  |
| 1391 |  | 1 | 2 | 0 | R | H |  |
| 1392 |  | 1 | 2 | 0 | R | H |  |
| 1393 |  | 1 | 2 | 0 | R | H |  |
| 1394 |  | 1 | 2 | 0 | R | H |  |
| 1395 |  | 1 | 2 | 0 | R | H |  |
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Table 1.128

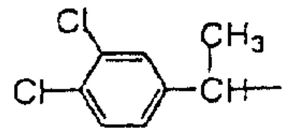
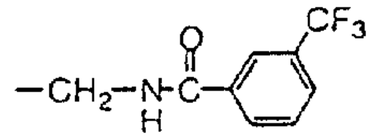
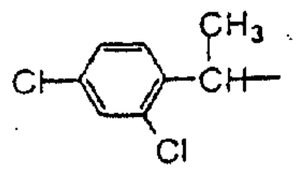
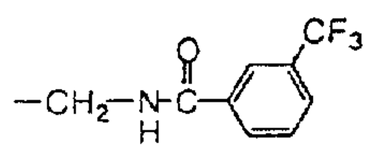
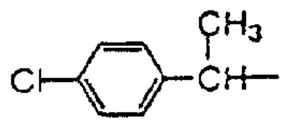
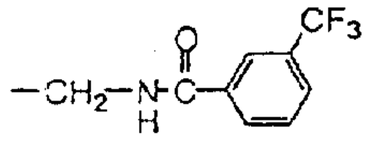
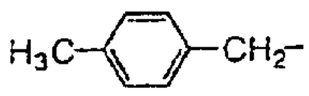
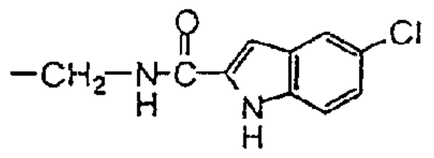
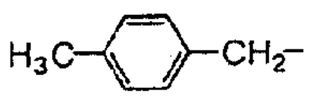
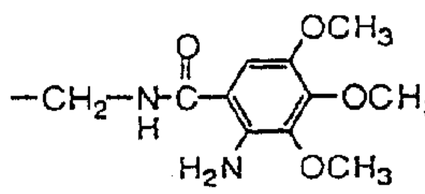
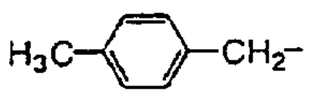
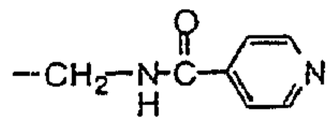
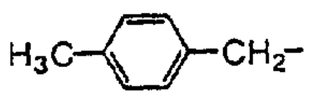
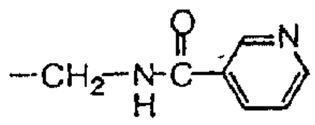
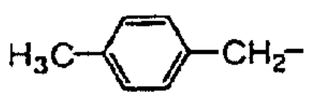
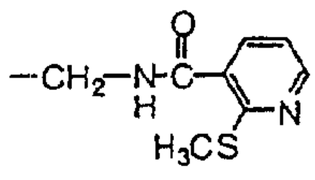
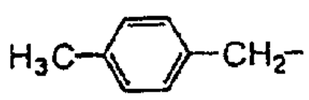
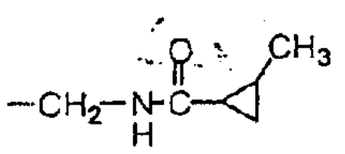
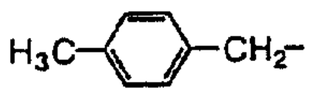
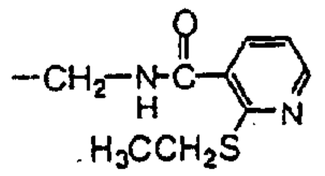
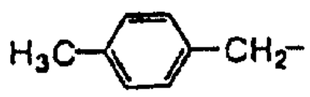
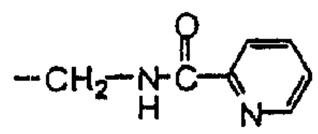
| Compd. No. | $R^1$ / $R^2$ $-(CH_2)_j-$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1398 |  | 1 | 2 | 0 | R | H |  |
| 1399 |  | 1 | 2 | 0 | R | H |  |
| 1400 |  | 1 | 2 | 0 | R | H |  |
| 1401 |  | 1 | 2 | 0 | R | H |  |
| 1402 |  | 1 | 2 | 0 | R | H |  |
| 1403 |  | 1 | 2 | 0 | R | H |  |
| 1404 |  | 1 | 2 | 0 | R | H |  |
| 1405 |  | 1 | 2 | 0 | R | H |  |
| 1406 |  | 1 | 2 | 0 | R | H |  |
| 1407 |  | 1 | 2 | 0 | R | H |  |
| 1408 |  | 1 | 2 | 0 | R | H |  |

Table 1.129

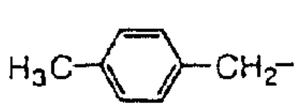
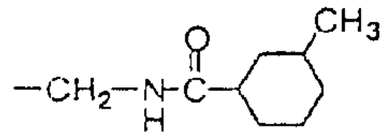
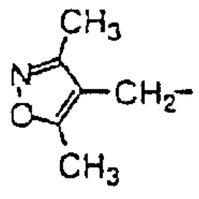
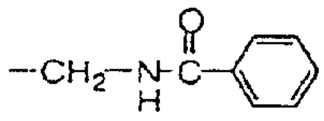
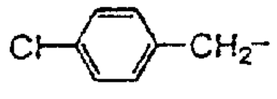
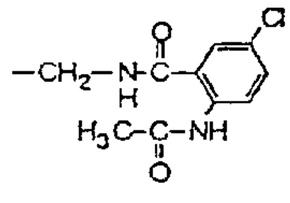
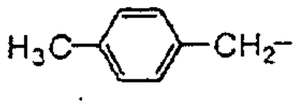
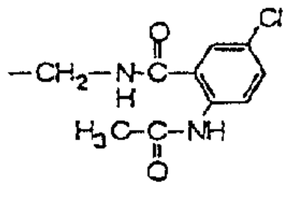
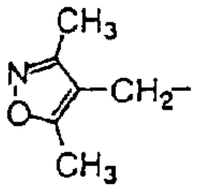
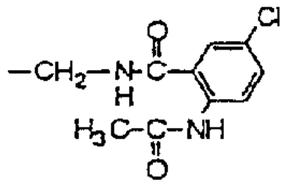
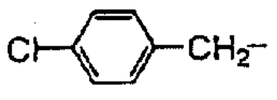
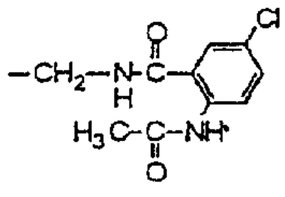
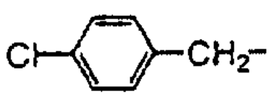
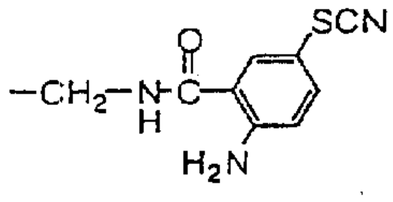
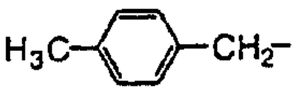
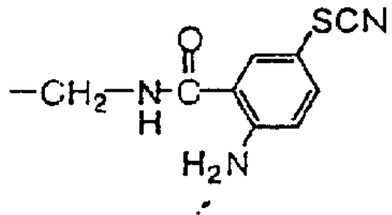
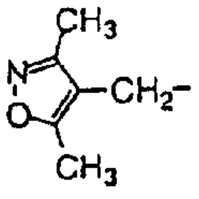
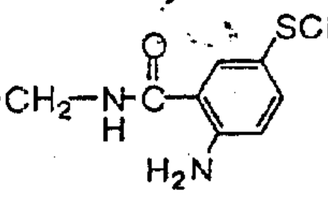
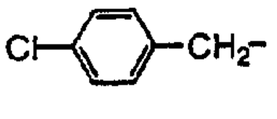
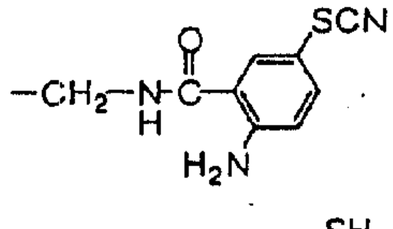
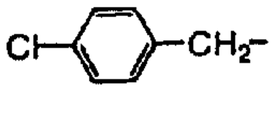
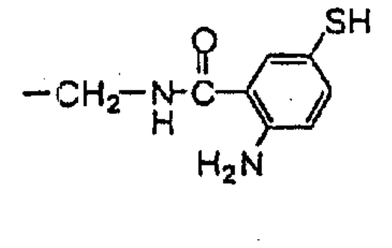
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1409 |  | 1 | 2 | 0 | R | H |  |
| 1410 |  | 1 | 2 | 0 | R | H |  |
| 1411 |  | 1 | 2 | 0 | R | H |  |
| 1412 |  | 1 | 2 | 0 | R | H |  |
| 1413 |  | 1 | 2 | 0 | R | H |  |
| 1414 |  | 2 | 2 | 1 | - | H |  |
| 1415 |  | 1 | 2 | 0 | R | H |  |
| 1416 |  | 1 | 2 | 0 | R | H |  |
| 1417 |  | 1 | 2 | 0 | R | H |  |
| 1418 |  | 2 | 2 | 1 | - | H |  |
| 1419 |  | 1 | 2 | 0 | R | H |  |

Table 1.130

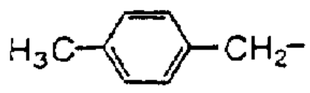
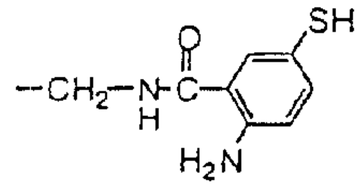
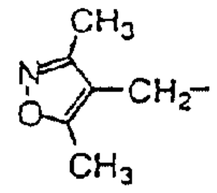
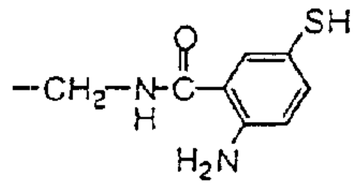
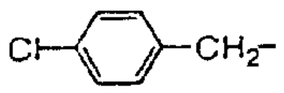
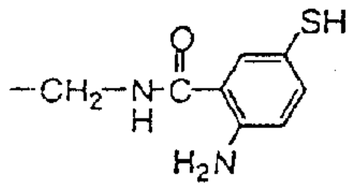
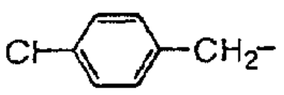
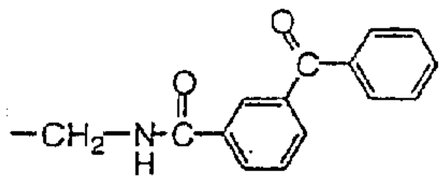
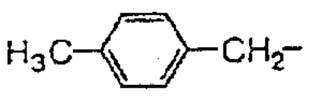
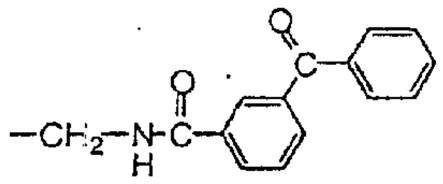
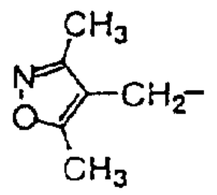
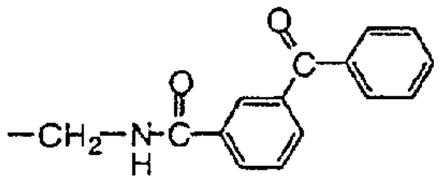
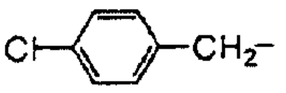
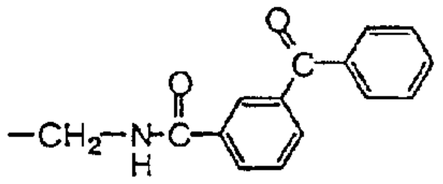
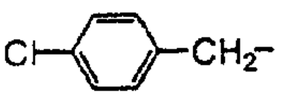
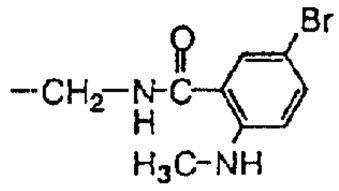
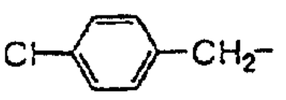
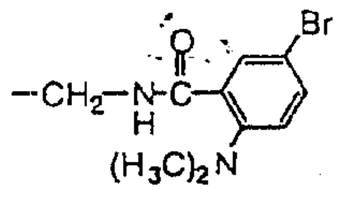
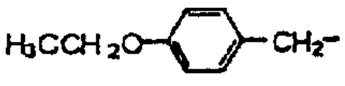
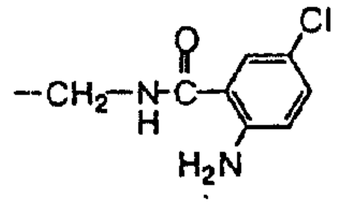
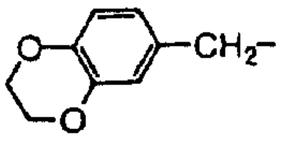
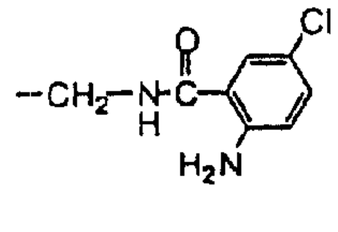
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1420 |  | 1 | 2 | 0 | R | H |  |
| 1421 |  | 1 | 2 | 0 | R | H |  |
| 1422 |  | 2 | 2 | 1 | - | H |  |
| 1423 |  | 1 | 2 | 0 | R | H |  |
| 1424 |  | 1 | 2 | 0 | R | H |  |
| 1425 |  | 1 | 2 | 0 | R | H |  |
| 1426 |  | 2 | 2 | 1 | - | H |  |
| 1427 |  | 2 | 2 | 1 | - | H |  |
| 1428 |  | 2 | 2 | 1 | - | H |  |
| 1429 |  | 2 | 2 | 1 | - | H |  |
| 1430 |  | 2 | 2 | 1 | - | H |  |

Table 1.131

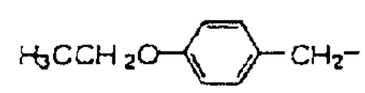
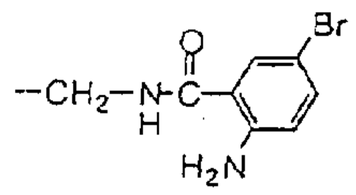
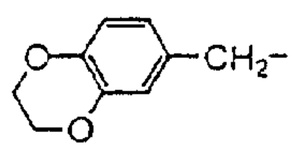
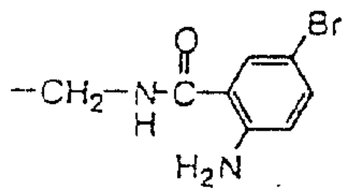
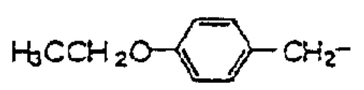
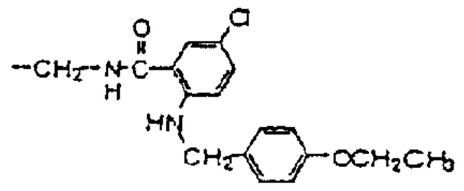
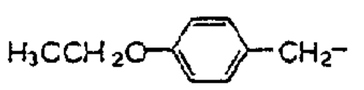
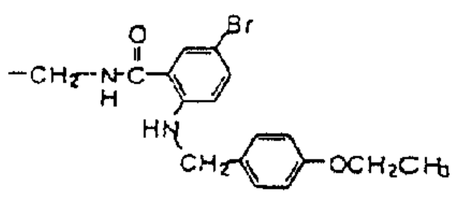
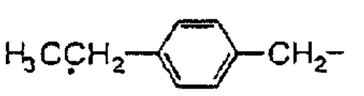
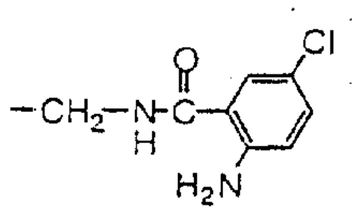
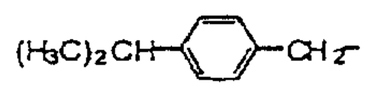
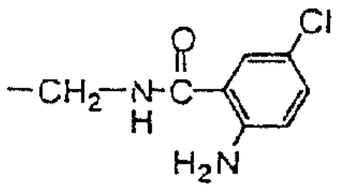
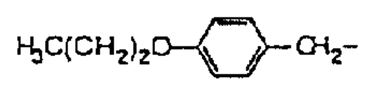
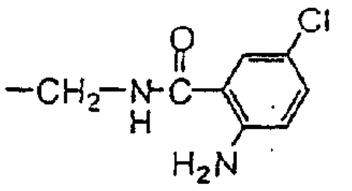
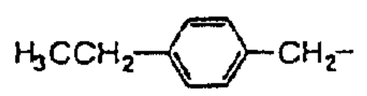
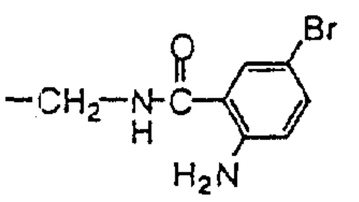
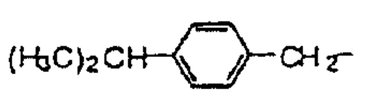
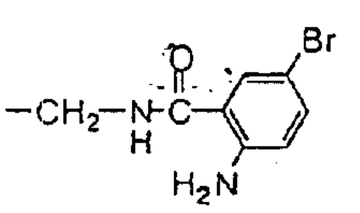
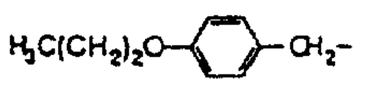
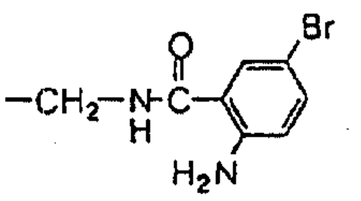
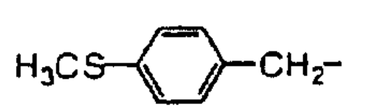
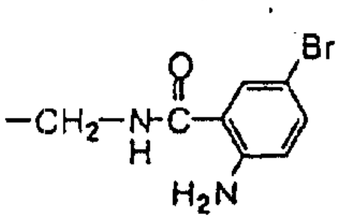
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1431 |  | 2 | 2 | 1 | - | H |  |
| 1432 |  | 2 | 2 | 1 | - | H |  |
| 1433 |  | 2 | 2 | 1 | - | H |  |
| 1434 |  | 2 | 2 | 1 | - | H |  |
| 1435 |  | 2 | 2 | 1 | - | H |  |
| 1436 |  | 2 | 2 | 1 | - | H |  |
| 1437 |  | 2 | 2 | 1 | - | H |  |
| 1438 |  | 2 | 2 | 1 | - | H |  |
| 1439 |  | 2 | 2 | 1 | - | H |  |
| 1440 |  | 2 | 2 | 1 | - | H |  |
| 1441 |  | 2 | 2 | 1 | - | H |  |

Table 1.132

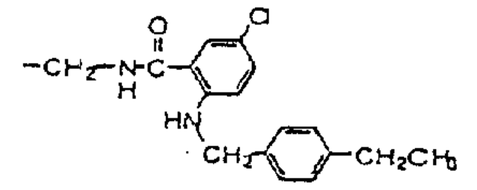
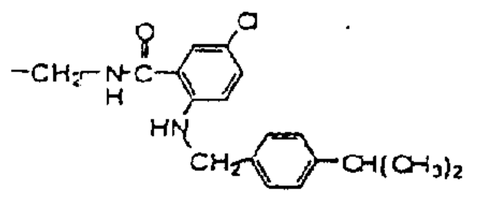
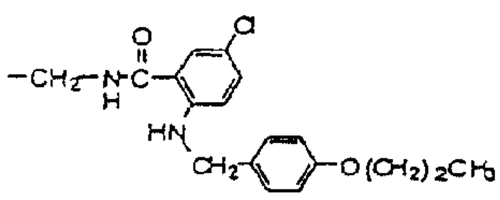
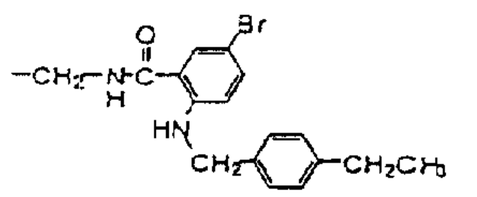
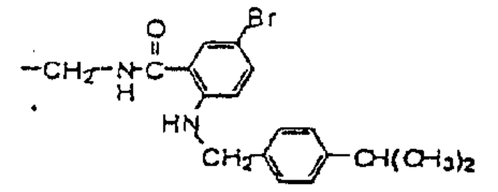
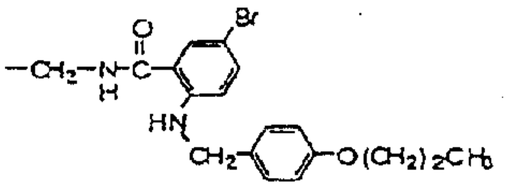
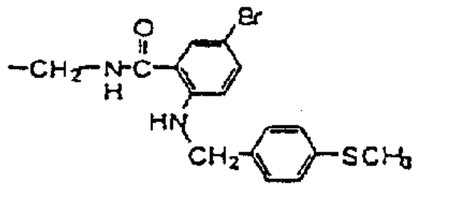
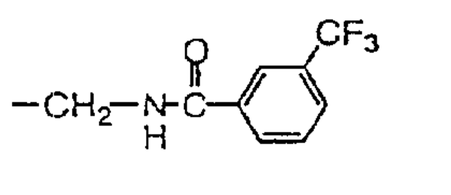
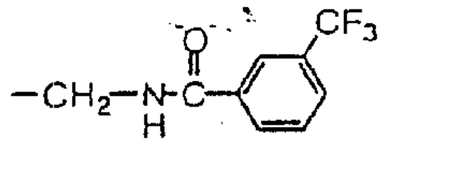
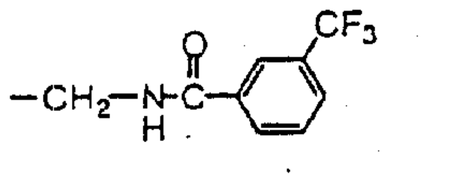
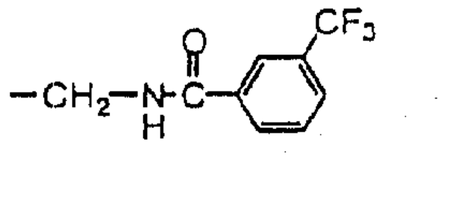
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1442 | $H_3CCH_2$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1443 | $(H_3C)_2CH$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1444 | $H_3C(CH_2)_2O$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1445 | $H_3CCH_2$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1446 | $(H_3C)_2CH$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1447 | $H_3C(CH_2)_2O$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1448 | $H_3CS$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1449 | $H_3CCH_2$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1450 | $(H_3C)_2CH$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1451 | $(H_3CCH_2)_2N$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1452 | HO, $H_3CO$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |

Table 1.133

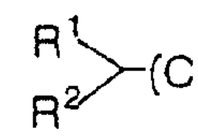
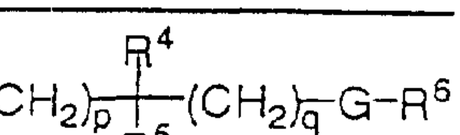
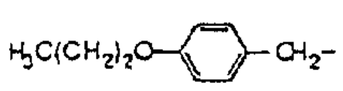
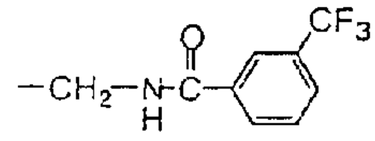
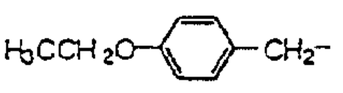
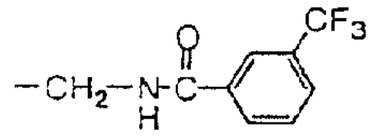
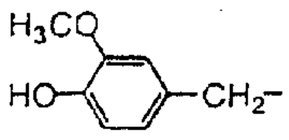
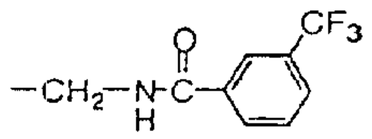
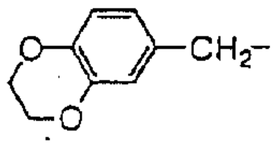
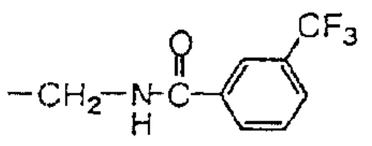
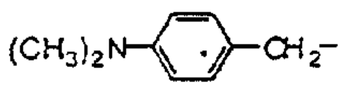
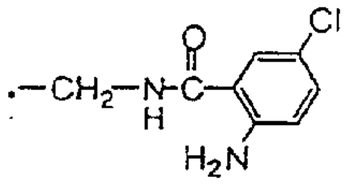
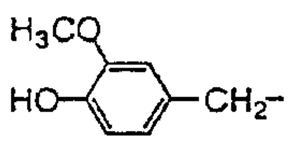
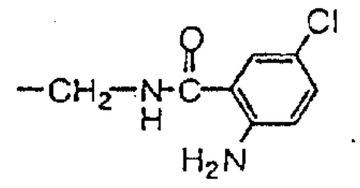
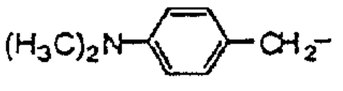
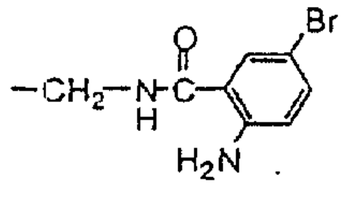
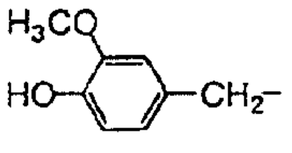
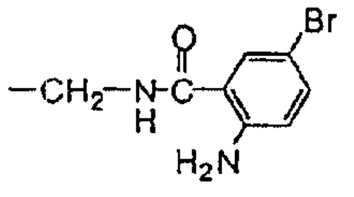
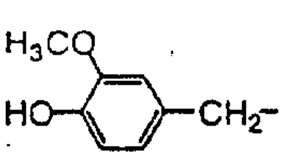
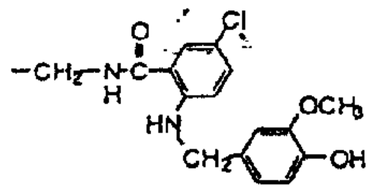
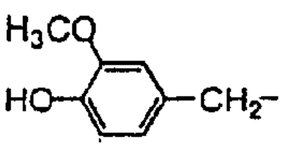
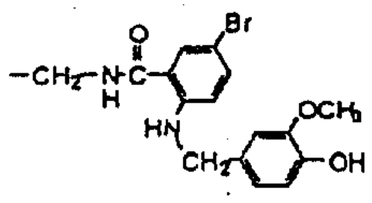
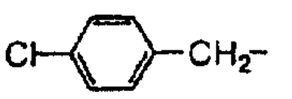
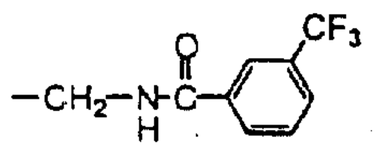
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 1453 |  | 2 | 2 | 1 | - | H |  |
| 1454 |  | 2 | 2 | 1 | - | H |  |
| 1455 |  | 2 | 2 | 1 | - | H |  |
| 1456 |  | 2 | 2 | 1 | - | H |  |
| 1457 |  | 2 | 2 | 1 | - | H |  |
| 1458 |  | 2 | 2 | 1 | - | H |  |
| 1459 |  | 2 | 2 | 1 | - | H |  |
| 1460 |  | 2 | 2 | 1 | - | H |  |
| 1461 |  | 2 | 2 | 1 | - | H |  |
| 1462 |  | 2 | 2 | 1 | - | H |  |
| 1463 |  | 2 | 1 | 1 | - | H |  |

Table 1.134

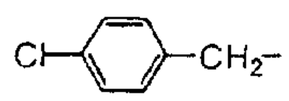
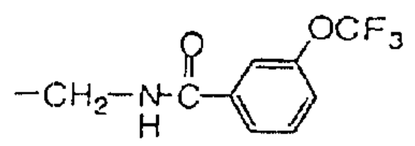
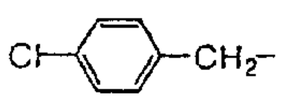
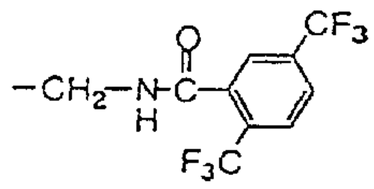
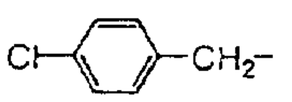
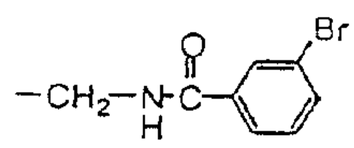
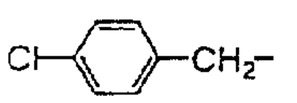
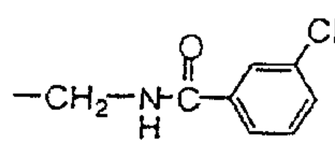
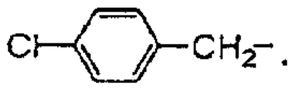
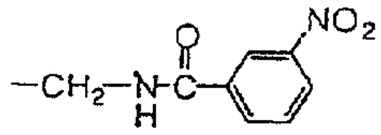
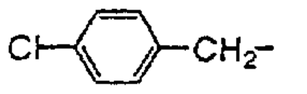
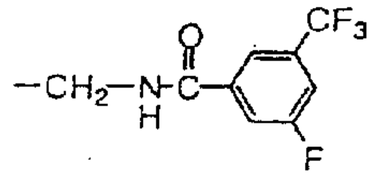
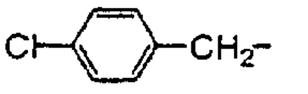
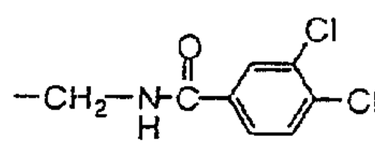
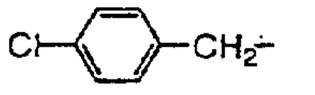
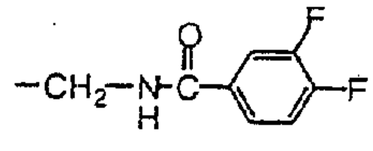
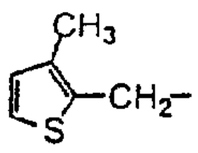
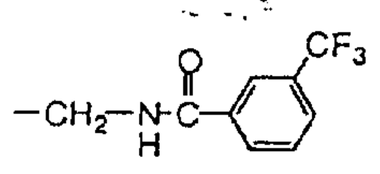
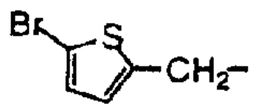
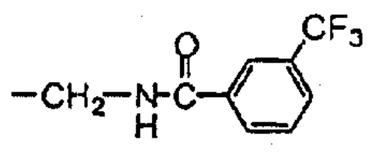
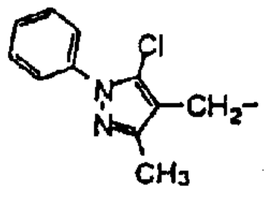
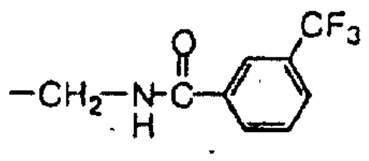
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1464 |  | 2 | 1 | 1 | - | H |  |
| 1465 |  | 2 | 1 | 1 | - | H |  |
| 1466 |  | 2 | 1 | 1 | - | H |  |
| 1467 |  | 2 | 1 | 1 | - | H |  |
| 1468 |  | 2 | 1 | 1 | - | H |  |
| 1469 |  | 2 | 1 | 1 | - | H |  |
| 1470 |  | 2 | 1 | 1 | - | H |  |
| 1471 |  | 2 | 1 | 1 | - | H |  |
| 1472 |  | 1 | 2 | 0 | R | H |  |
| 1473 |  | 1 | 2 | 0 | R | H |  |
| 1474 |  | 1 | 2 | 0 | R | H |  |

Table 1.135

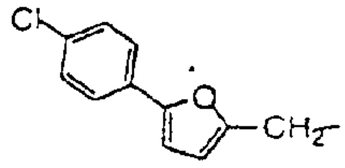
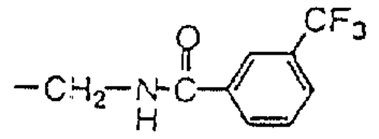
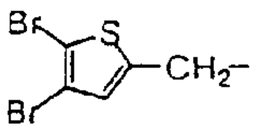
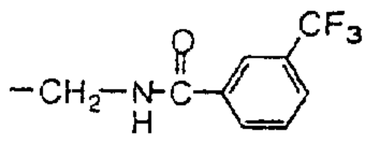
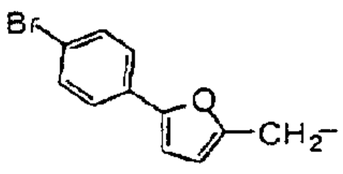
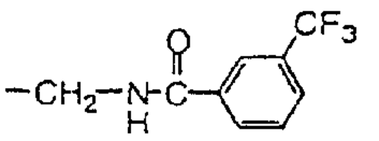
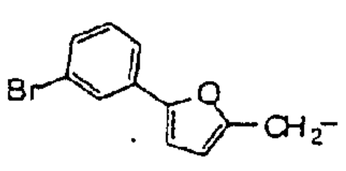
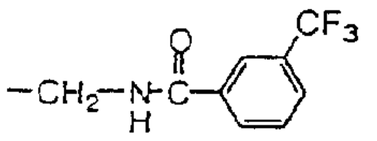
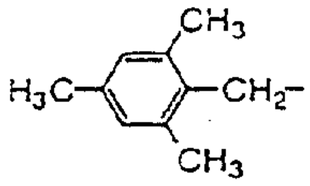
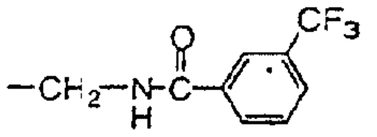
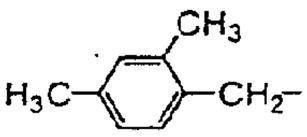
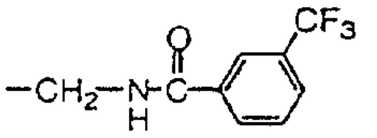
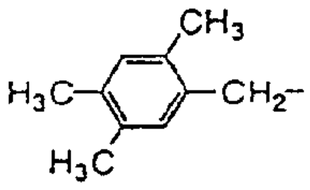
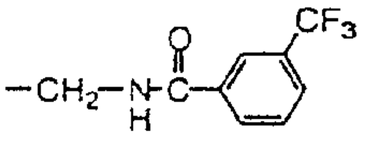
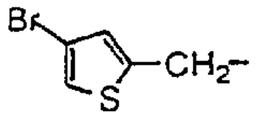
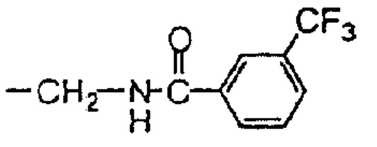
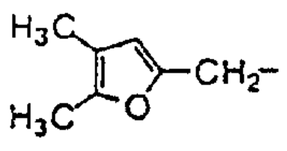
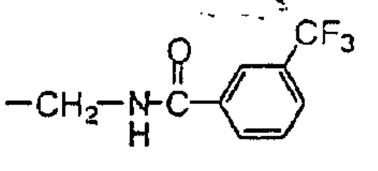
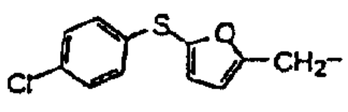
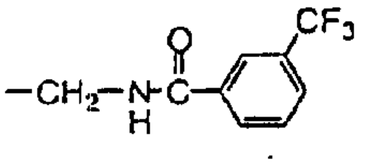
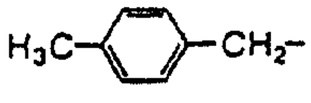
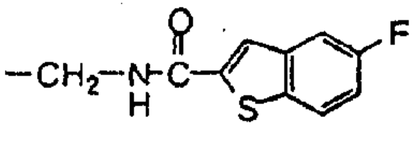
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1475 |  | 1 | 2 | 0 | R | H |  |
| 1476 |  | 1 | 2 | 0 | R | H |  |
| 1477 |  | 1 | 2 | 0 | R | H |  |
| 1478 |  | 1 | 2 | 0 | R | H |  |
| 1479 |  | 1 | 2 | 0 | R | H |  |
| 1480 |  | 1 | 2 | 0 | R | H |  |
| 1481 |  | 1 | 2 | 0 | R | H |  |
| 1482 |  | 1 | 2 | 0 | R | H |  |
| 1483 |  | 1 | 2 | 0 | R | H |  |
| 1484 |  | 1 | 2 | 0 | R | H |  |
| 1485 |  | 1 | 2 | 0 | R | H |  |

Table 1.136

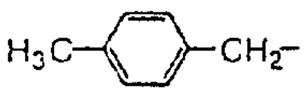
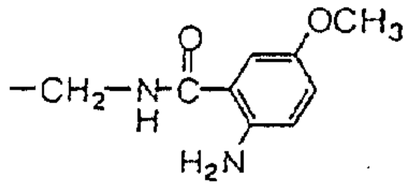
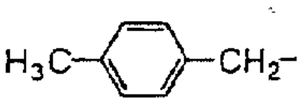
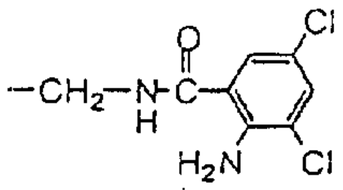
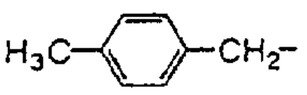
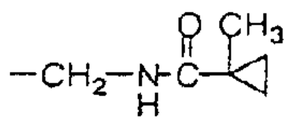
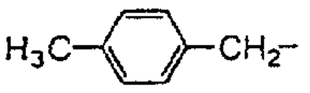
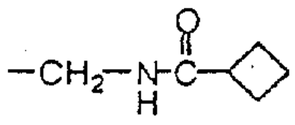
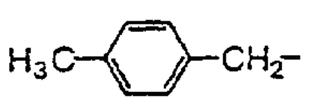
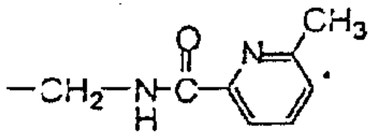
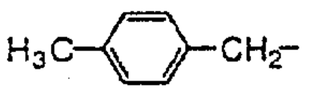
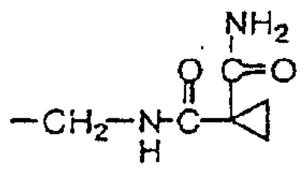
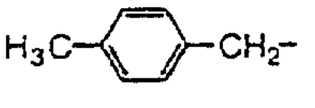
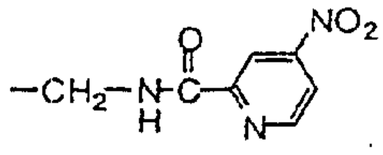
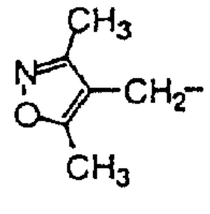
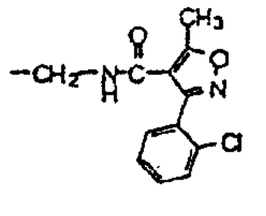
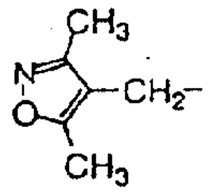
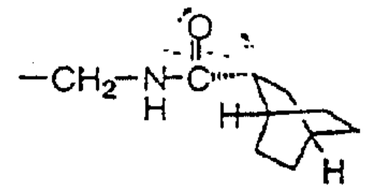
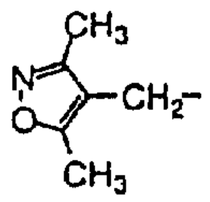
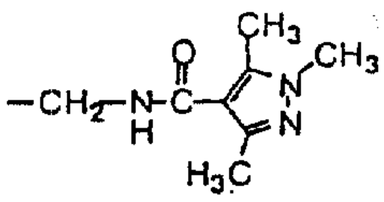
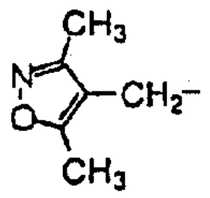
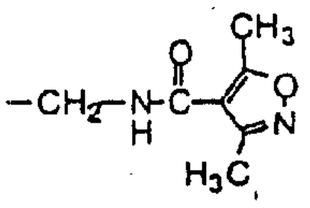
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1486 |  | 1 | 2 | 0 | R | H |  |
| 1487 |  | 1 | 2 | 0 | R | H |  |
| 1488 |  | 1 | 2 | 0 | R | H |  |
| 1489 |  | 1 | 2 | 0 | R | H |  |
| 1490 |  | 1 | 2 | 0 | R | H |  |
| 1491 |  | 1 | 2 | 0 | R | H |  |
| 1492 |  | 1 | 2 | 0 | R | H |  |
| 1493 |  | 1 | 2 | 0 | R | H |  |
| 1494 |  | 1 | 2 | 0 | R | H |  |
| 1495 |  | 1 | 2 | 0 | R | H |  |
| 1496 |  | 1 | 2 | 0 | R | H |  |

Table 1.137

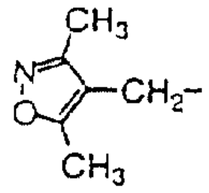
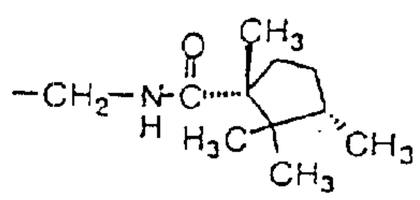
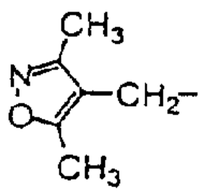
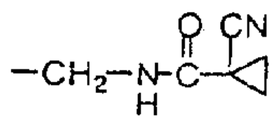
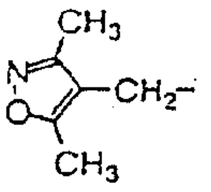
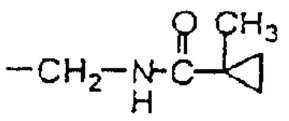
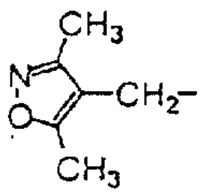
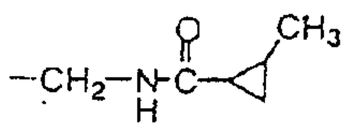
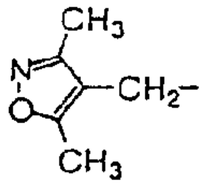
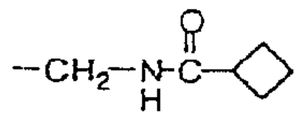
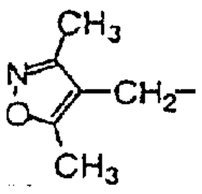
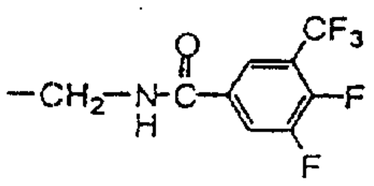
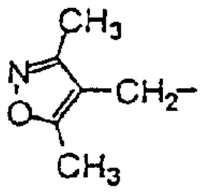
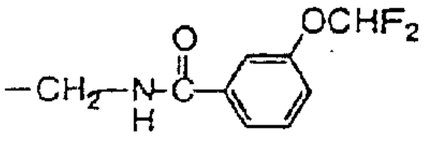
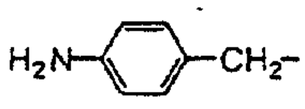
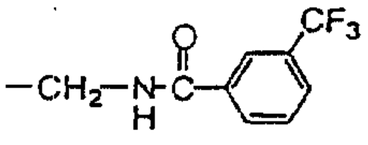
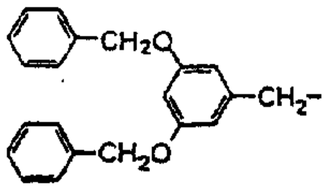
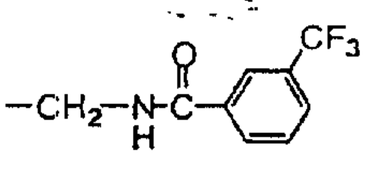
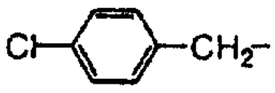
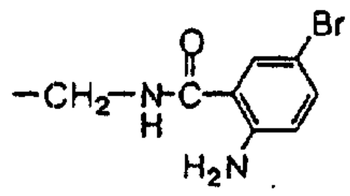
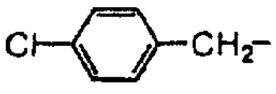
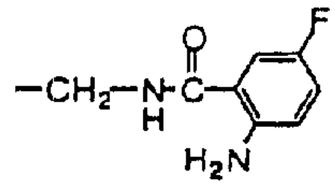
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1497 |  | 1 | 2 | 0 | R | H |  |
| 1498 |  | 1 | 2 | 0 | R | H |  |
| 1499 |  | 1 | 2 | 0 | R | H |  |
| 1500 |  | 1 | 2 | 0 | R | H |  |
| 1501 |  | 1 | 2 | 0 | R | H |  |
| 1502 |  | 1 | 2 | 0 | R | H |  |
| 1503 |  | 1 | 2 | 0 | R | H |  |
| 1504 |  | 1 | 2 | 0 | R | H |  |
| 1505 |  | 1 | 2 | 0 | R | H |  |
| 1506 |  | 2 | 1 | 1 | - | H |  |
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Table 1.138

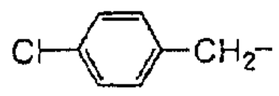
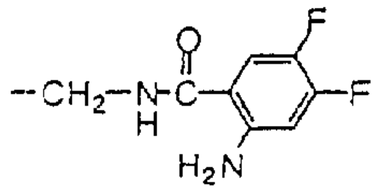
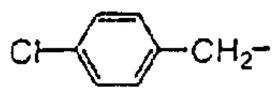
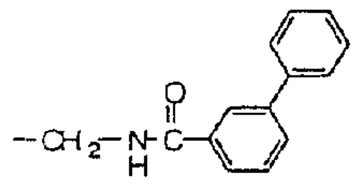
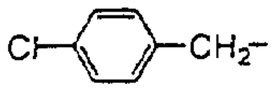
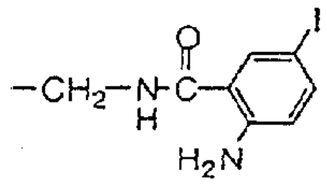
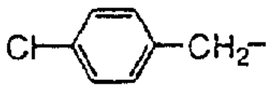
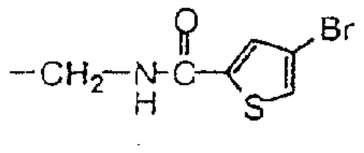
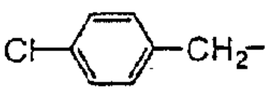
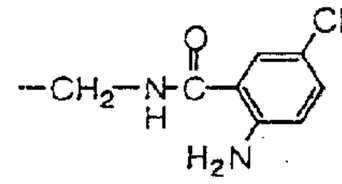
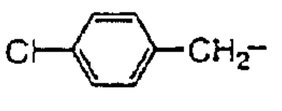
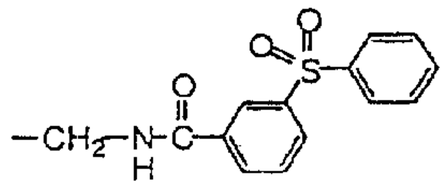
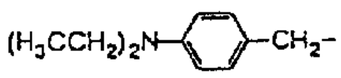
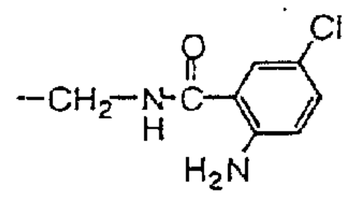
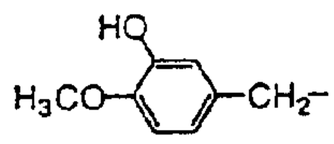
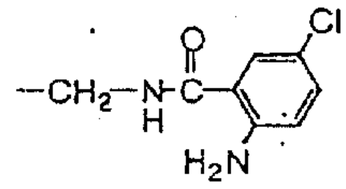
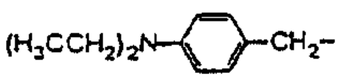
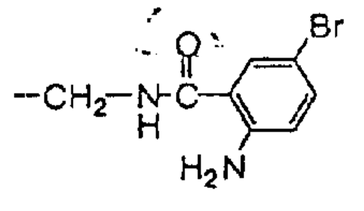
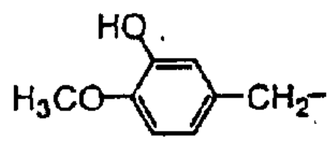
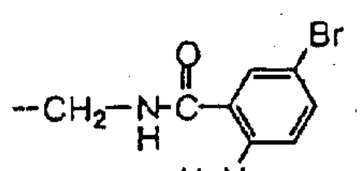
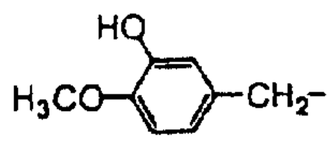
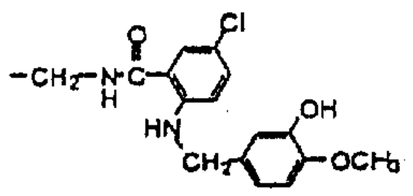
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1508 |  | 2 | 1 | 1 | - | H |  |
| 1509 |  | 2 | 1 | 1 | - | H |  |
| 1510 |  | 2 | 1 | 1 | - | H |  |
| 1511 |  | 2 | 1 | 1 | - | H |  |
| 1512 |  | 2 | 1 | 1 | - | H |  |
| 1513 |  | 2 | 1 | 1 | - | H |  |
| 1514 |  | 2 | 2 | 1 | - | H |  |
| 1515 |  | 2 | 2 | 1 | - | H |  |
| 1516 |  | 2 | 2 | 1 | - | H |  |
| 1517 |  | 2 | 2 | 1 | - | H |  |
| 1518 |  | 2 | 2 | 1 | - | H |  |

Table 1.139

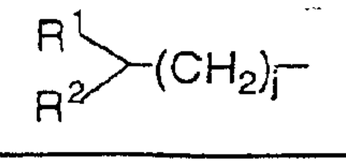
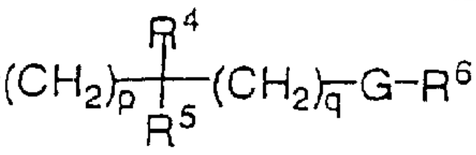
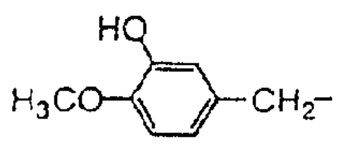
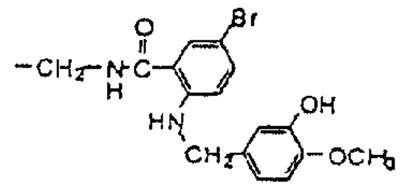
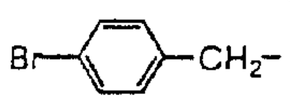
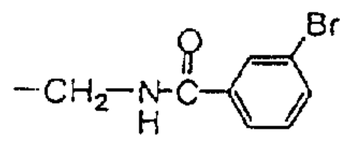
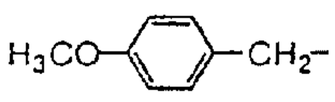
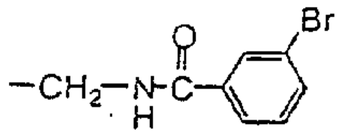
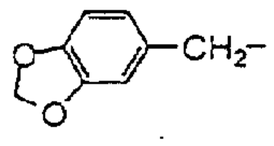
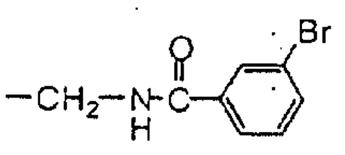
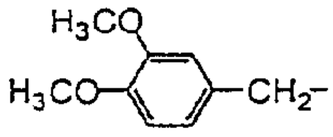
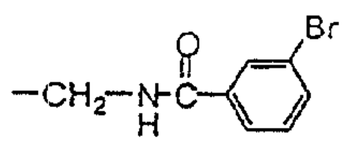
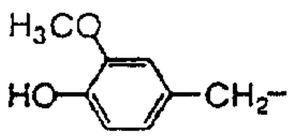
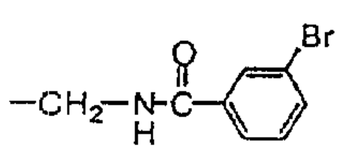
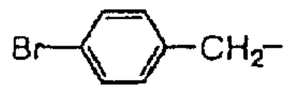
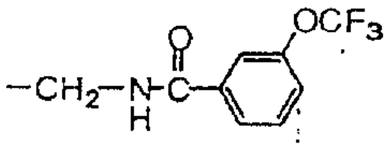
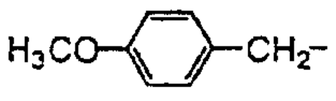
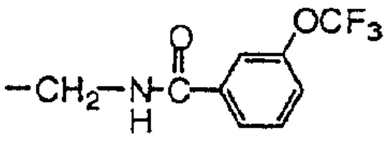
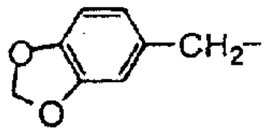
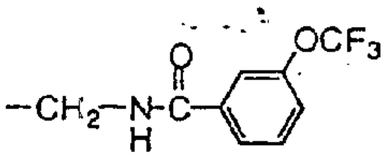
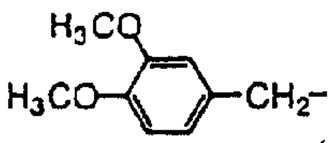
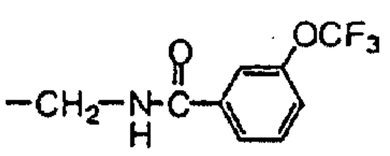
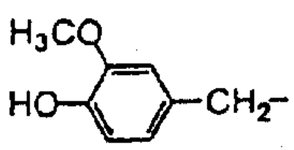
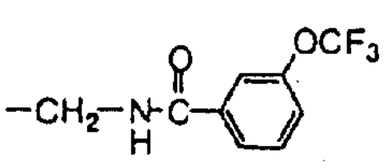
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 1519 |  | 2 | 2 | 1 | - | H |  |
| 1520 |  | 1 | 2 | 0 | R | H |  |
| 1521 |  | 1 | 2 | 0 | R | H |  |
| 1522 |  | 1 | 2 | 0 | R | H |  |
| 1523 |  | 1 | 2 | 0 | R | H |  |
| 1524 |  | 1 | 2 | 0 | R | H |  |
| 1525 |  | 1 | 2 | 0 | R | H |  |
| 1526 |  | 1 | 2 | 0 | R | H |  |
| 1527 |  | 1 | 2 | 0 | R | H |  |
| 1528 |  | 1 | 2 | 0 | R | H |  |
| 1529 |  | 1 | 2 | 0 | R | H |  |

Table 1.140

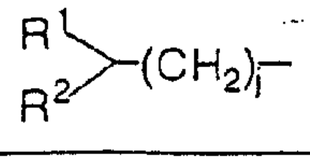
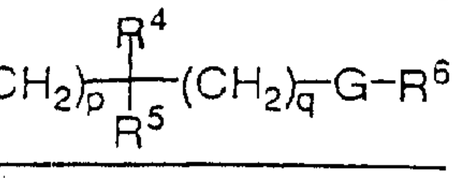
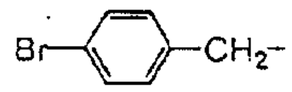
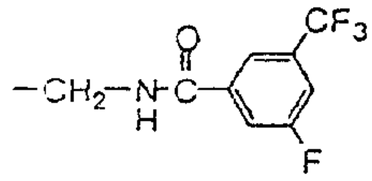
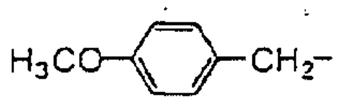
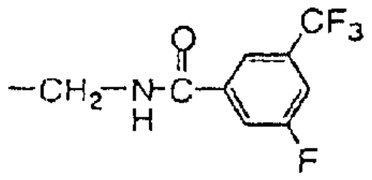
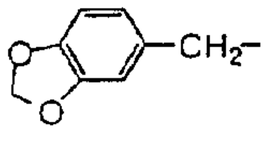
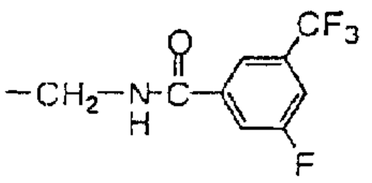
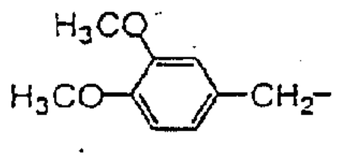
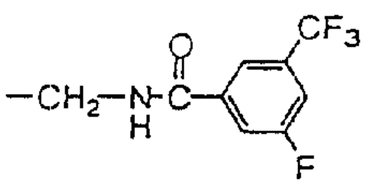
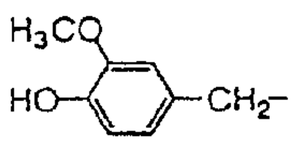
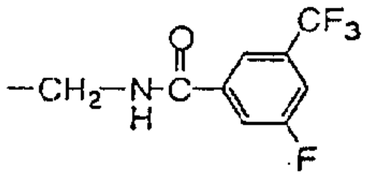
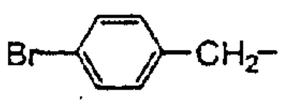
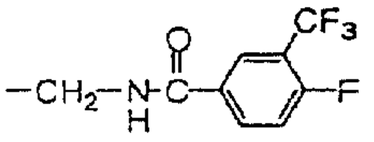
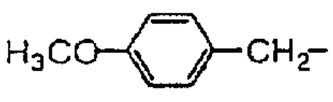
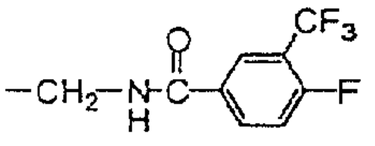
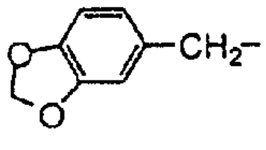
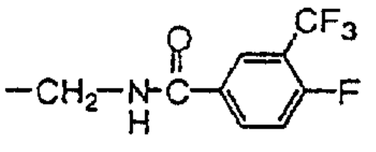
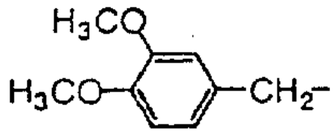
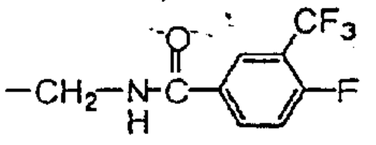
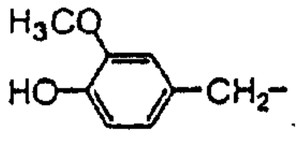
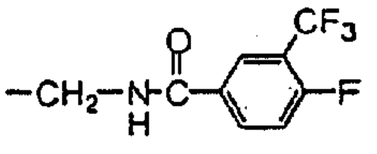
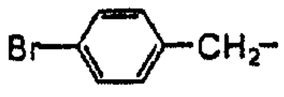
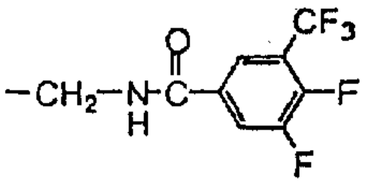
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
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| 1531 |  | 1 | 2 | 0 | R | H |  |
| 1532 |  | 1 | 2 | 0 | R | H |  |
| 1533 |  | 1 | 2 | 0 | R | H |  |
| 1534 |  | 1 | 2 | 0 | R | H |  |
| 1535 |  | 1 | 2 | 0 | R | H |  |
| 1536 |  | 1 | 2 | 0 | R | H |  |
| 1537 |  | 1 | 2 | 0 | R | H |  |
| 1538 |  | 1 | 2 | 0 | R | H |  |
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Table 1.141

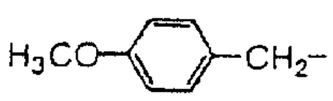
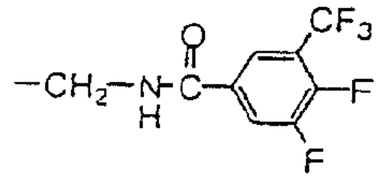
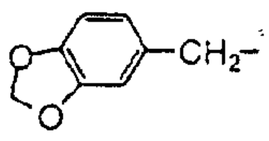
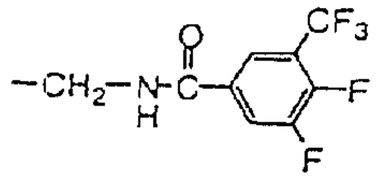
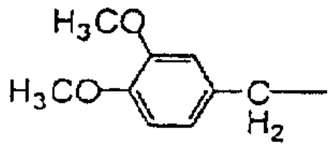
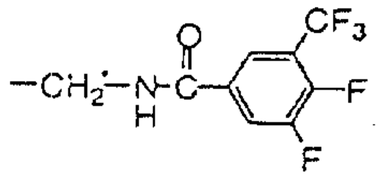
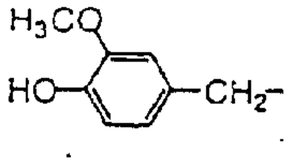
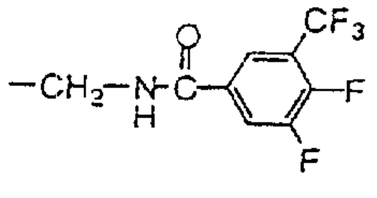
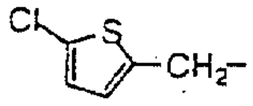
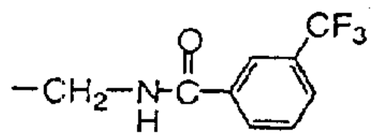
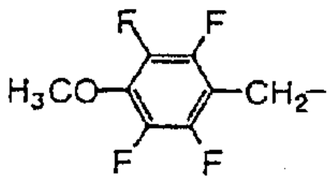
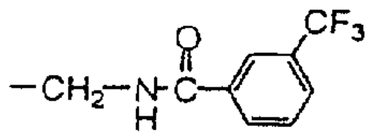
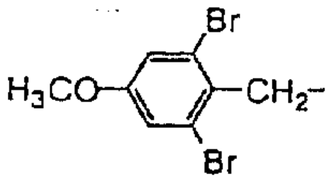
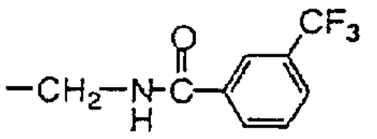
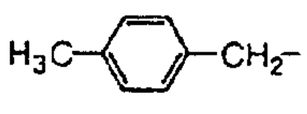
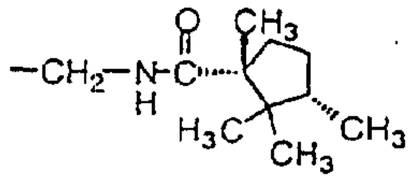
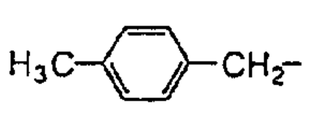
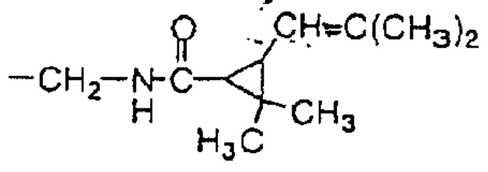
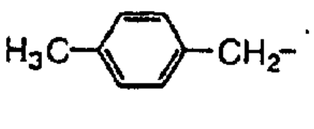
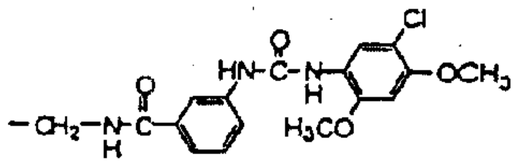
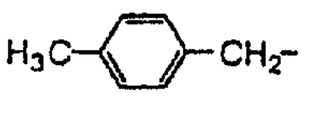
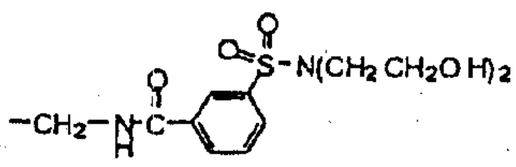
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1541 |  | 1 | 2 | 0 | R | H |  |
| 1542 |  | 1 | 2 | 0 | R | H |  |
| 1543 |  | 1 | 2 | 0 | R | H |  |
| 1544 |  | 1 | 2 | 0 | R | H |  |
| 1545 |  | 1 | 2 | 0 | R | H |  |
| 1546 |  | 1 | 2 | 0 | R | H |  |
| 1547 |  | 1 | 2 | 0 | R | H |  |
| 1548 |  | 1 | 2 | 0 | R | H |  |
| 1549 |  | 1 | 2 | 0 | R | H |  |
| 1550 |  | 1 | 2 | 0 | R | H |  |
| 1551 |  | 1 | 2 | 0 | R | H |  |

Table 1.142

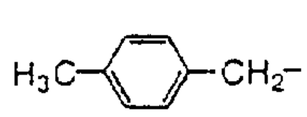
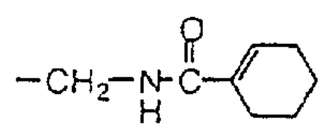
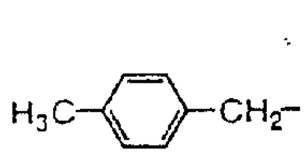
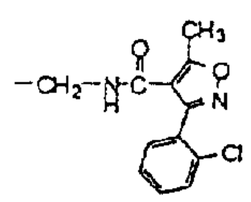
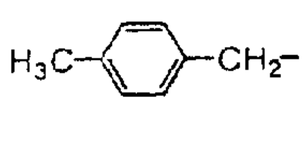
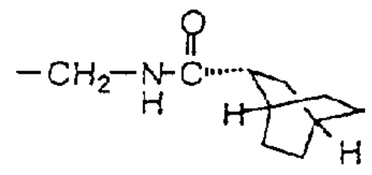
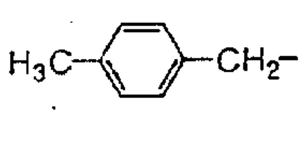
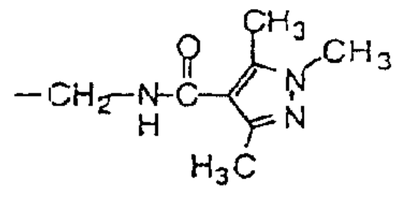
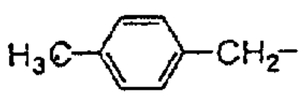
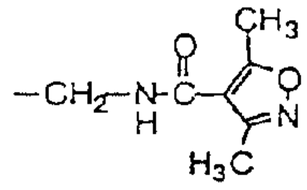
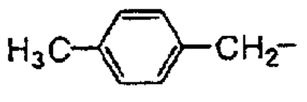
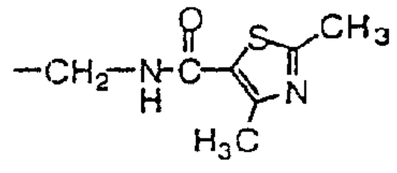
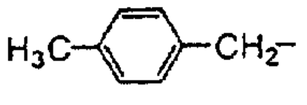
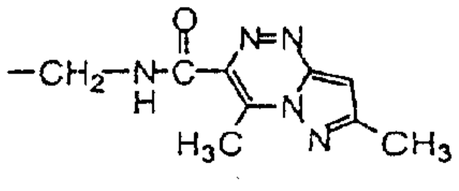
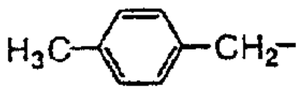
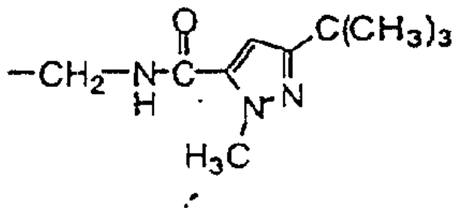
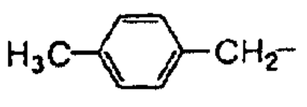
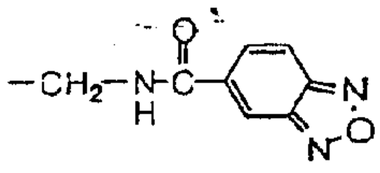
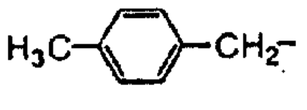
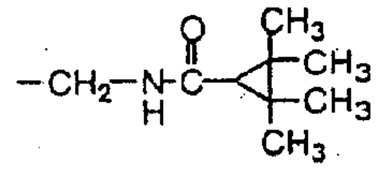
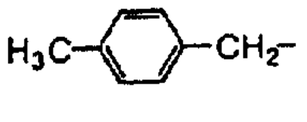
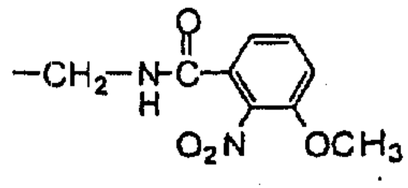
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1552 |  | 1 | 2 | 0 | R | H |  |
| 1553 |  | 1 | 2 | 0 | R | H |  |
| 1554 |  | 1 | 2 | 0 | R | H |  |
| 1555 |  | 1 | 2 | 0 | R | H |  |
| 1556 |  | 1 | 2 | 0 | R | H |  |
| 1557 |  | 1 | 2 | 0 | R | H |  |
| 1558 |  | 1 | 2 | 0 | R | H |  |
| 1559 |  | 1 | 2 | 0 | R | H |  |
| 1560 |  | 1 | 2 | 0 | R | H |  |
| 1561 |  | 1 | 2 | 0 | R | H |  |
| 1562 |  | 1 | 2 | 0 | R | H |  |

Table 1.143

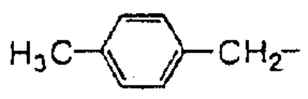
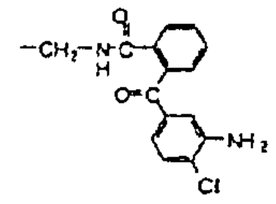
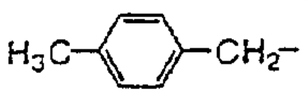
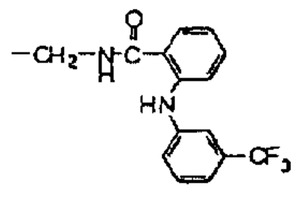
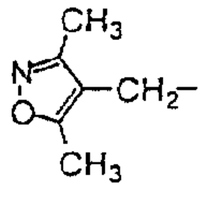
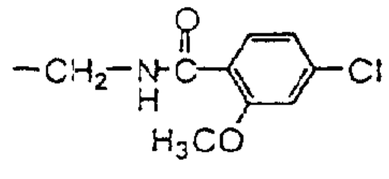
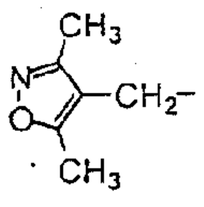
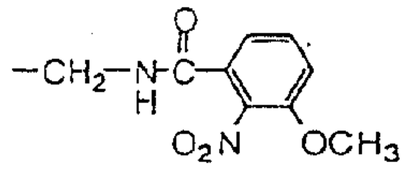
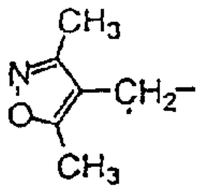
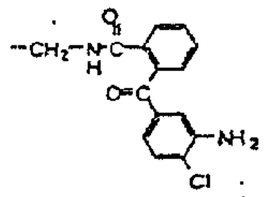
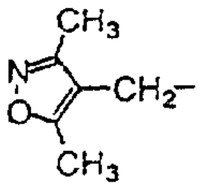
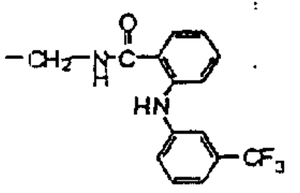
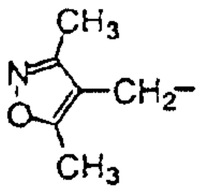
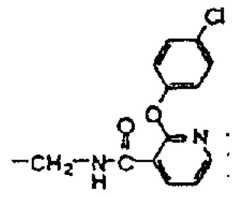
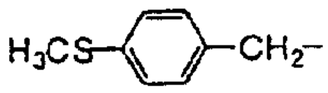
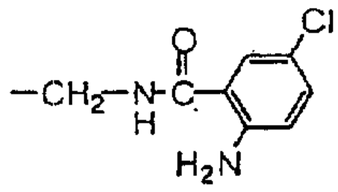
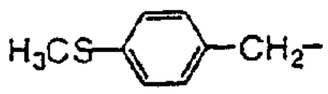
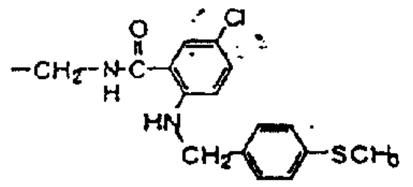
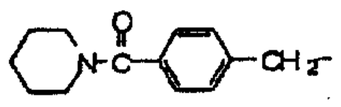
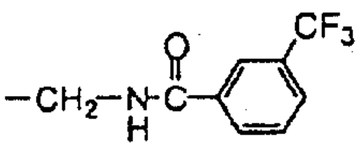
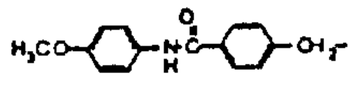
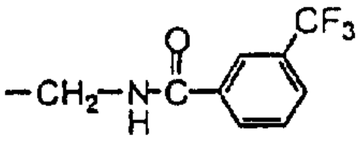
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1563 |  | 1 | 2 | 0 | R | H |  |
| 1564 |  | 1 | 2 | 0 | R | H |  |
| 1565 |  | 1 | 2 | 0 | R | H |  |
| 1566 |  | 1 | 2 | 0 | R | H |  |
| 1567 |  | 1 | 2 | 0 | R | H |  |
| 1568 |  | 1 | 2 | 0 | R | H |  |
| 1569 |  | 1 | 2 | 0 | R | H |  |
| 1570 |  | 2 | 2 | 1 | - | H |  |
| 1571 |  | 2 | 2 | 1 | - | H |  |
| 1572 |  | 2 | 2 | 1 | - | H |  |
| 1573 |  | 2 | 2 | 1 | - | H |  |

Table 1.144

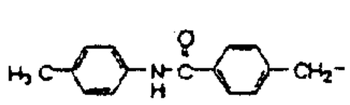
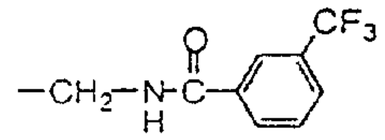
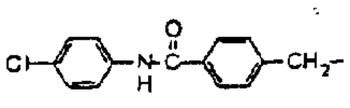
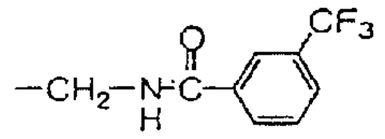
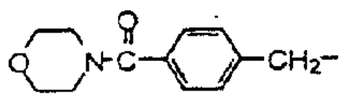
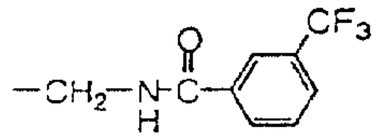
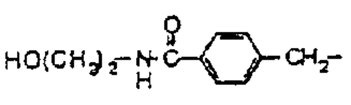
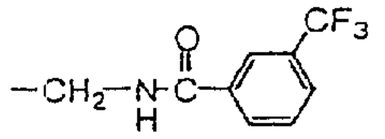
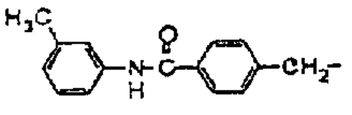
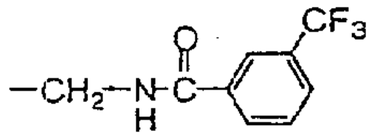
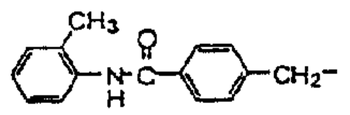
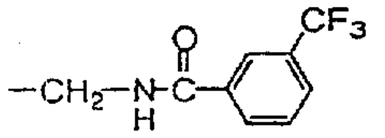
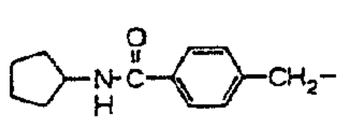
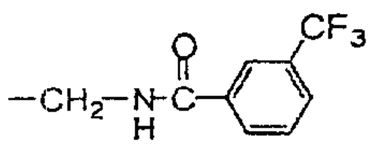
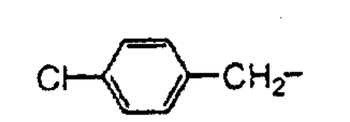
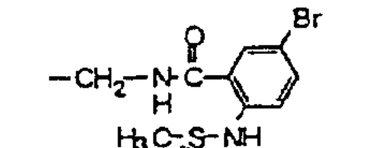
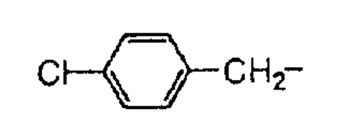
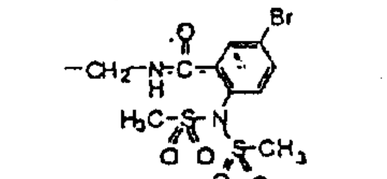
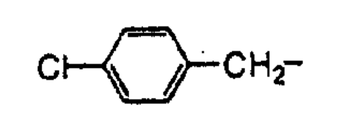
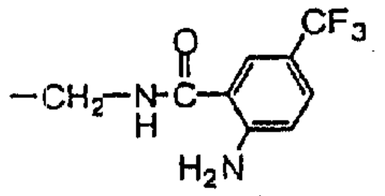
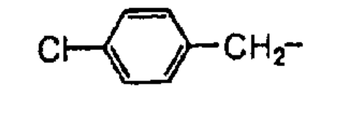
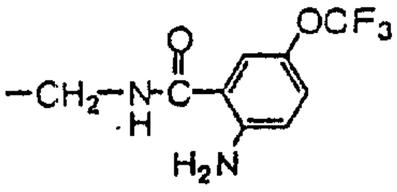
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1574 |  | 2 | 2 | 1 | - | H |  |
| 1575 |  | 2 | 2 | 1 | - | H |  |
| 1576 |  | 2 | 2 | 1 | - | H |  |
| 1577 |  | 2 | 2 | 1 | - | H |  |
| 1578 |  | 2 | 2 | 1 | - | H |  |
| 1579 |  | 2 | 2 | 1 | - | H |  |
| 1580 |  | 2 | 2 | 1 | - | H |  |
| 1581 |  | 2 | 2 | 1 | - | H |  |
| 1582 |  | 2 | 2 | 1 | - | H |  |
| 1583 |  | 1 | 2 | 0 | R | H |  |
| 1584 |  | 1 | 2 | 0 | R | H |  |

Table 1.145

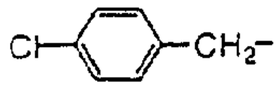
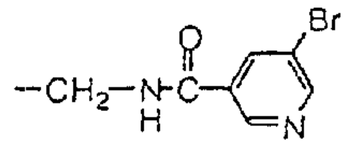
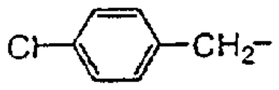
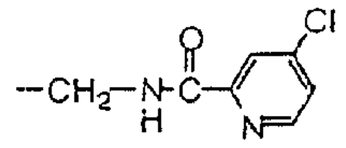
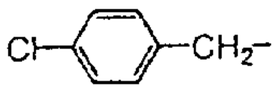
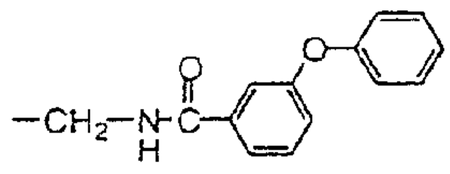
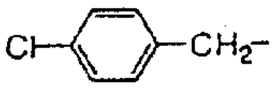
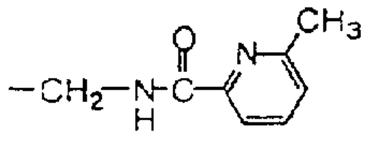
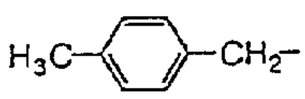
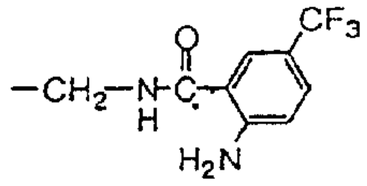
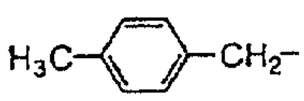
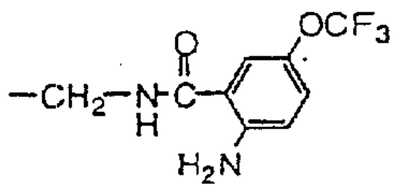
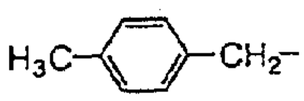
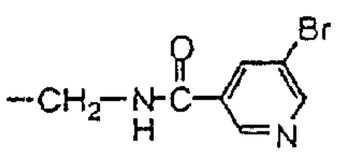
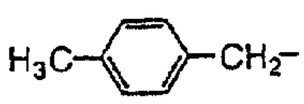
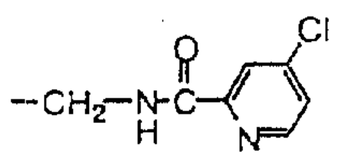
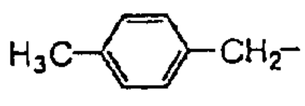
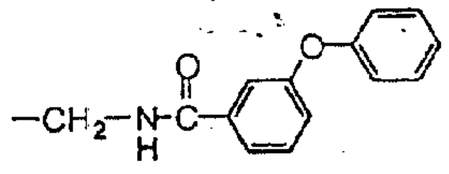
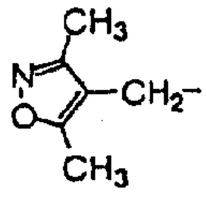
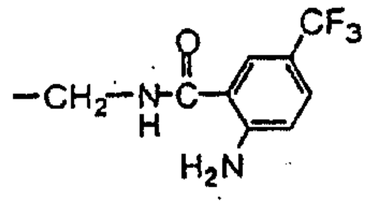
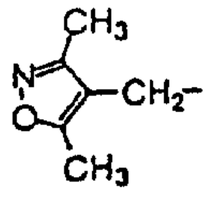
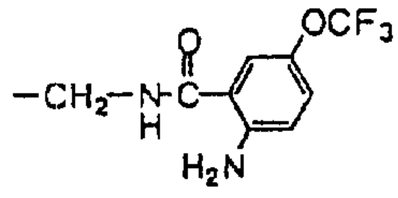
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1585 |  | 1 | 2 | 0 | R | H |  |
| 1586 |  | 1 | 2 | 0 | R | H |  |
| 1587 |  | 1 | 2 | 0 | R | H |  |
| 1588 |  | 1 | 2 | 0 | R | H |  |
| 1589 |  | 1 | 2 | 0 | R | H |  |
| 1590 |  | 1 | 2 | 0 | R | H |  |
| 1591 |  | 1 | 2 | 0 | R | H |  |
| 1592 |  | 1 | 2 | 0 | R | H |  |
| 1593 |  | 1 | 2 | 0 | R | H |  |
| 1594 |  | 1 | 2 | 0 | R | H |  |
| 1595 |  | 1 | 2 | 0 | R | H |  |

Table 1.146

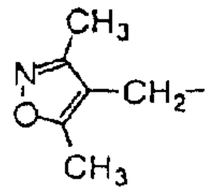
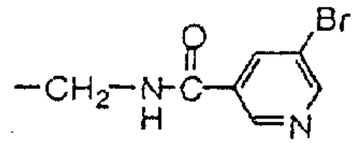
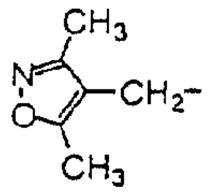
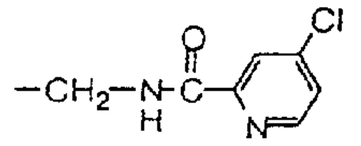
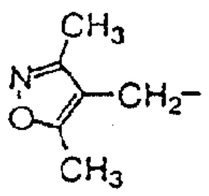
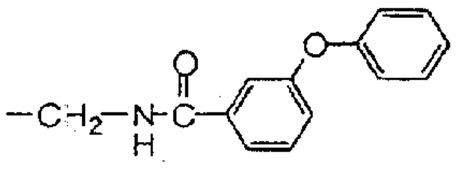
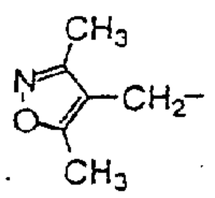
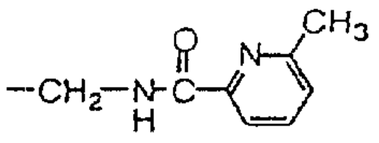
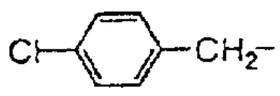
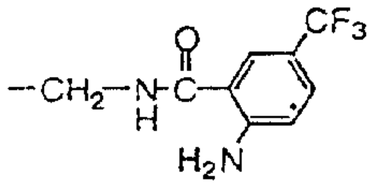
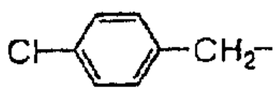
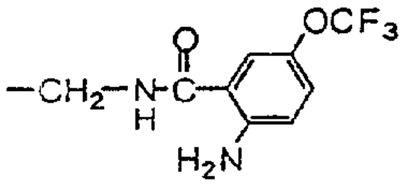
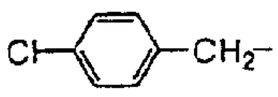
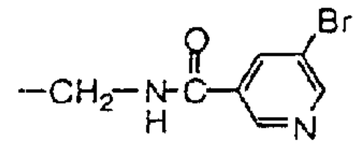
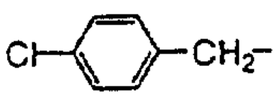
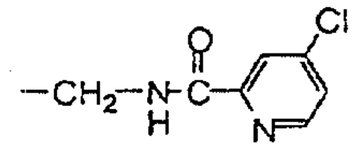
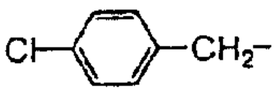
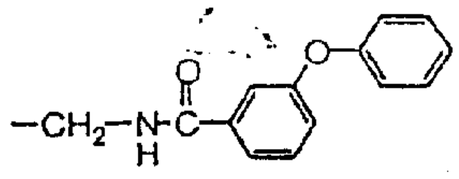
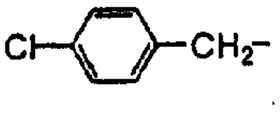
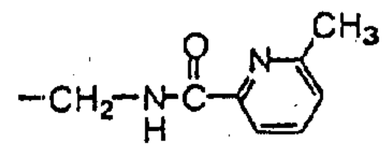
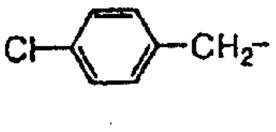
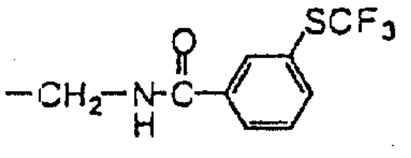
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1596 |  | 1 | 2 | 0 | R | H |  |
| 1597 |  | 1 | 2 | 0 | R | H |  |
| 1598 |  | 1 | 2 | 0 | R | H |  |
| 1599 |  | 1 | 2 | 0 | R | H |  |
| 1600 |  | 2 | 2 | 1 | - | H |  |
| 1601 |  | 2 | 2 | 1 | - | H |  |
| 1602 |  | 2 | 2 | 1 | - | H |  |
| 1603 |  | 2 | 2 | 1 | - | H |  |
| 1604 |  | 2 | 2 | 1 | - | H |  |
| 1605 |  | 2 | 2 | 1 | - | H |  |
| 1606 |  | 1 | 2 | 0 | R | H |  |

Table 1.147

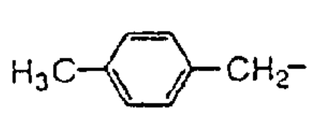
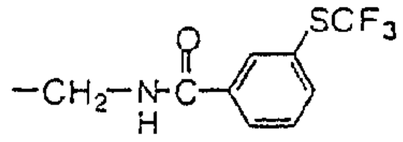
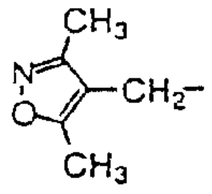
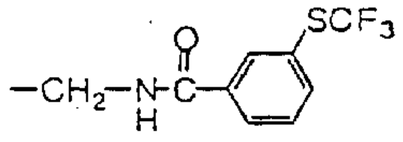
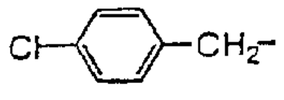
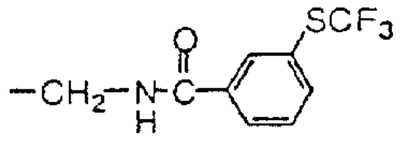
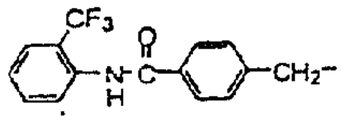
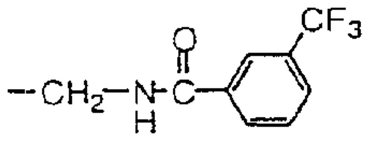
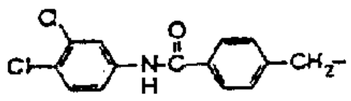
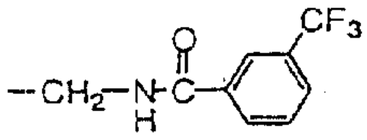
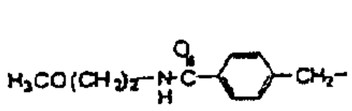
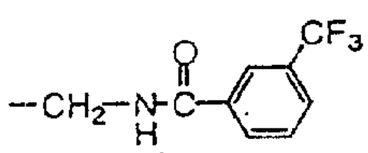
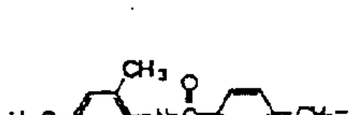
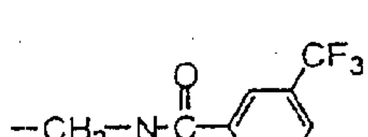
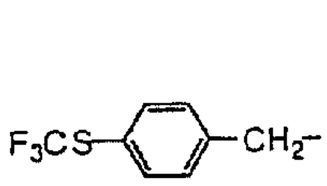
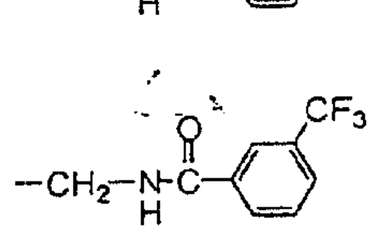
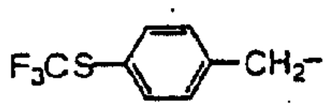
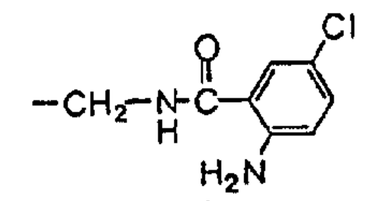
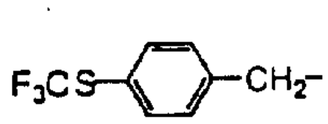
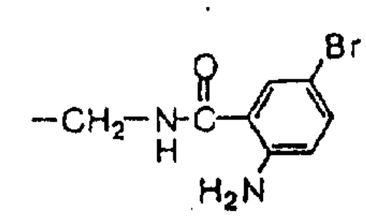
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1607 |  | 1 | 2 | 0 | R | H |  |
| 1608 |  | 1 | 2 | 0 | R | H |  |
| 1609 |  | 2 | 2 | 1 | - | H |  |
| 1610 |  | 2 | 2 | 1 | - | H |  |
| 1611 |  | 2 | 2 | 1 | - | H |  |
| 1612 |  | 2 | 2 | 1 | - | H |  |
| 1613 |  | 2 | 2 | 1 | - | H |  |
| 1614 |  | 1 | 2 | 0 | R | H |  |
| 1615 |  | 2 | 2 | 1 | - | H |  |
| 1616 |  | 2 | 2 | 1 | - | H |  |
| 1617 |  | 2 | 2 | 1 | - | H |  |

Table 1.148

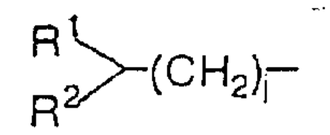
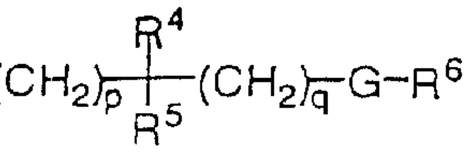
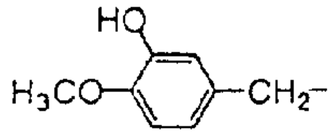
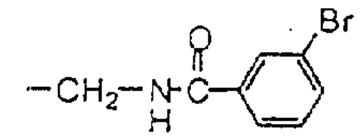
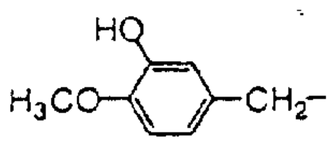
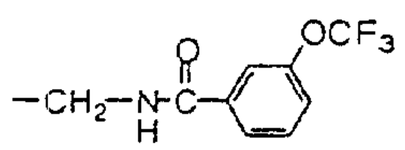
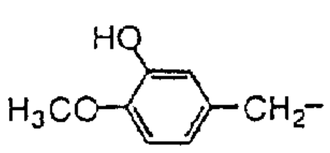
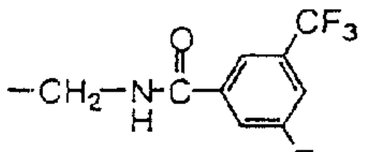
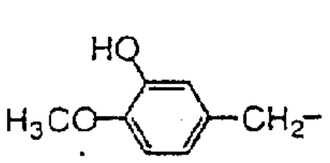
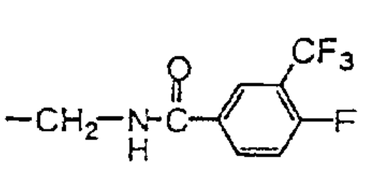
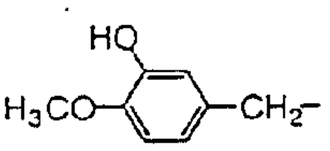
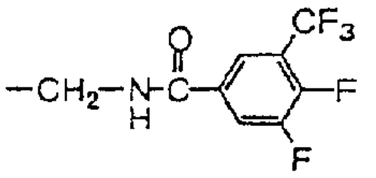
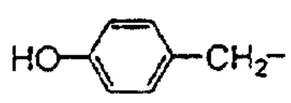
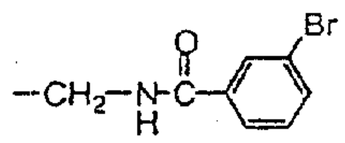
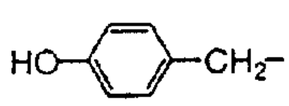
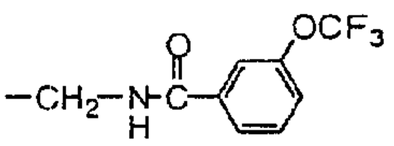
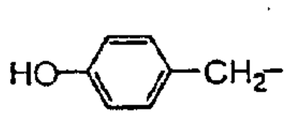
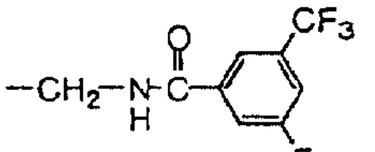
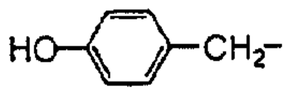
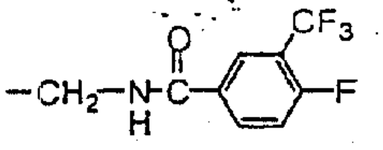
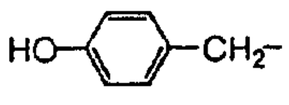
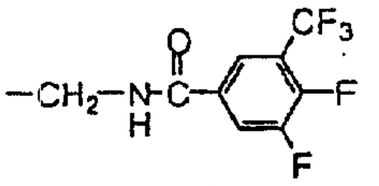
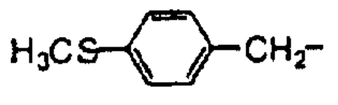
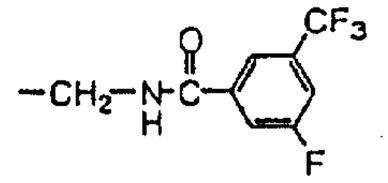
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
| 1618 |  | 1 | 2 | 0 | R | H |  |
| 1619 |  | 1 | 2 | 0 | R | H |  |
| 1620 |  | 1 | 2 | 0 | R | H |  |
| 1621 |  | 1 | 2 | 0 | R | H |  |
| 1622 |  | 1 | 2 | 0 | R | H |  |
| 1623 |  | 1 | 2 | 0 | R | H |  |
| 1624 |  | 1 | 2 | 0 | R | H |  |
| 1625 |  | 1 | 2 | 0 | R | H |  |
| 1626 |  | 1 | 2 | 0 | R | H |  |
| 1627 |  | 1 | 2 | 0 | R | H |  |
| 1628 |  | 1 | 2 | 0 | R | H |  |

Table 1.149

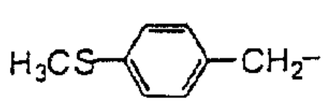
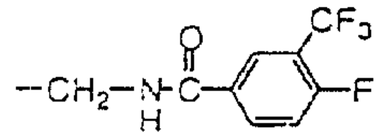
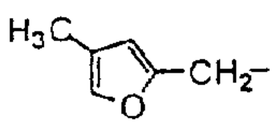
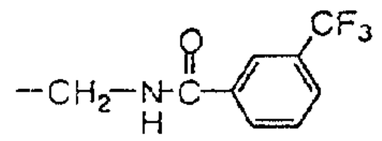
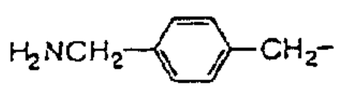
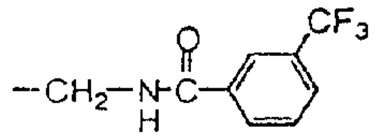
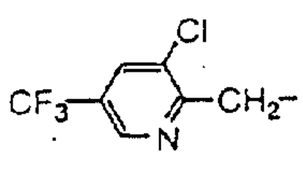
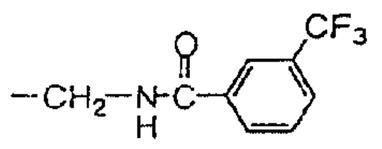
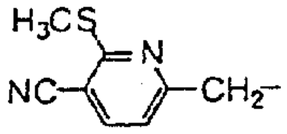
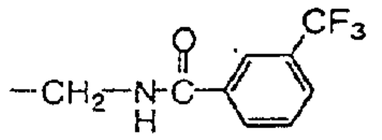
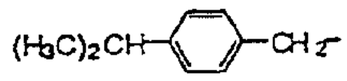
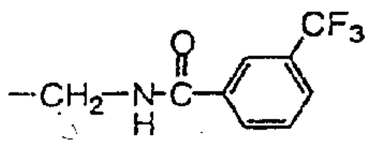
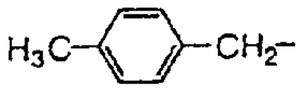
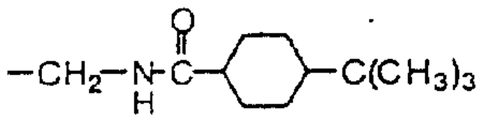
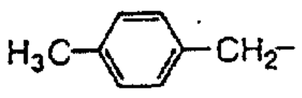
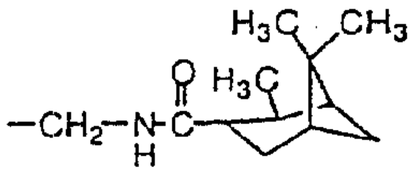
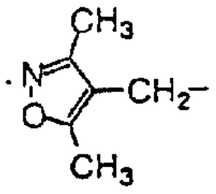
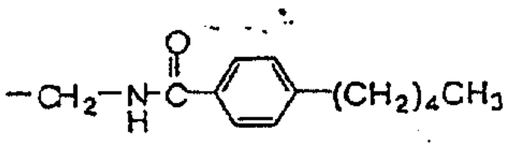
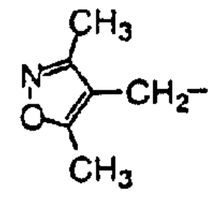
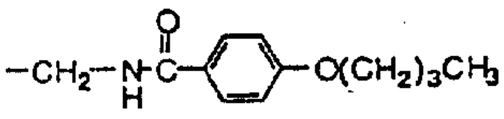
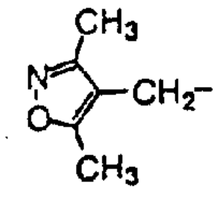
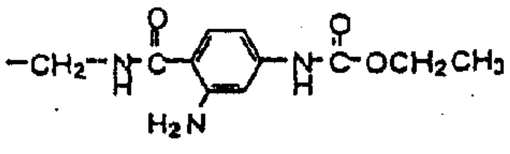
| Compd. No. | $R^1$, $R^2$, $-(CH_2)_j-$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1629 |  | 1 | 2 | 0 | R | H |  |
| 1630 |  | 1 | 2 | 0 | R | H |  |
| 1631 |  | 1 | 2 | 0 | R | H |  |
| 1632 |  | 1 | 2 | 0 | R | H |  |
| 1633 |  | 1 | 2 | 0 | R | H |  |
| 1634 |  | 1 | 2 | 0 | R | H |  |
| 1635 |  | 1 | 2 | 0 | R | H |  |
| 1636 |  | 1 | 2 | 0 | R | H |  |
| 1637 |  | 1 | 2 | 0 | R | H |  |
| 1638 |  | 1 | 2 | 0 | R | H |  |
| 1639 |  | 1 | 2 | 0 | R | H |  |

Table 1.150

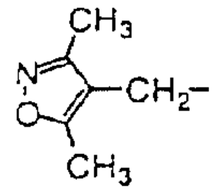
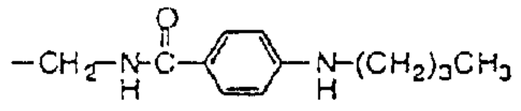
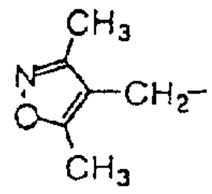
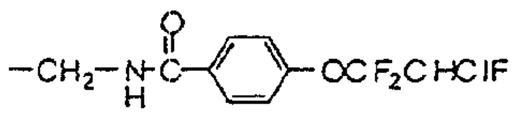
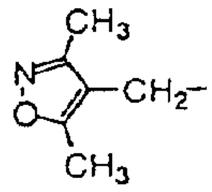
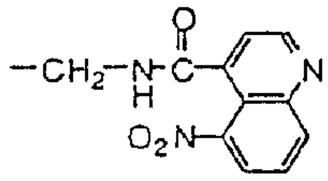
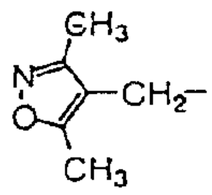
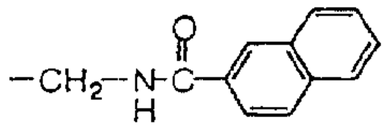
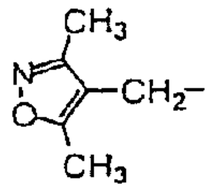
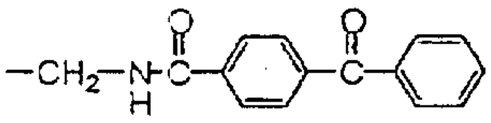
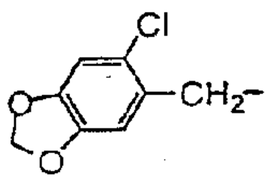
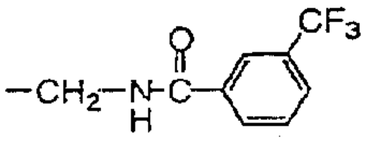
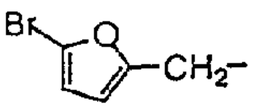
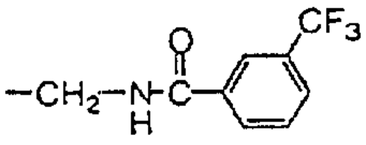
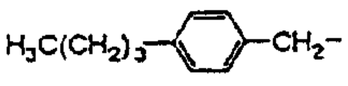
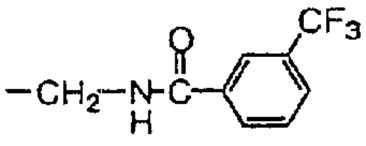
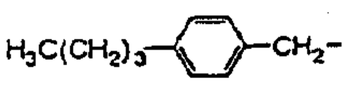
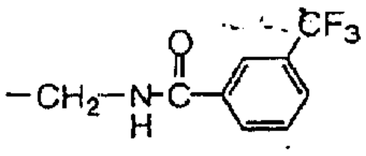
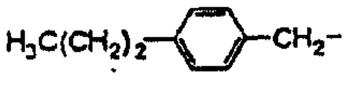
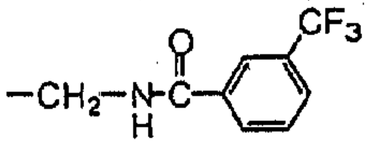
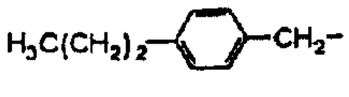
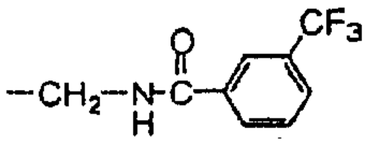
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1640 |  | 1 | 2 | 0 | R | H |  |
| 1641 |  | 1 | 2 | 0 | R | H |  |
| 1642 |  | 1 | 2 | 0 | R | H |  |
| 1643 |  | 1 | 2 | 0 | R | H |  |
| 1644 |  | 1 | 2 | 0. | R | H |  |
| 1645 |  | 1 | 2 | 0 | R | H |  |
| 1646 |  | 1 | 2 | 0 | R | H |  |
| 1647 |  | 2 | 2 | 1 | - | H |  |
| 1648 |  | 1 | 2 | 0 | R | H |  |
| 1649 |  | 2 | 2 | 1 | - | H |  |
| 1650 |  | 1 | 2 | 0 | R | H |  |

Table 1.151

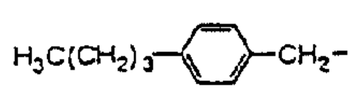
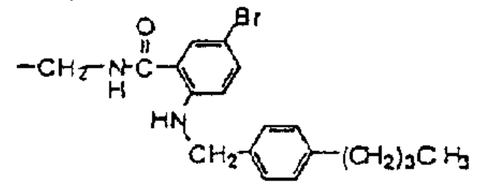
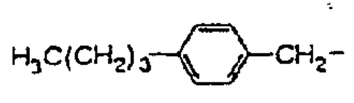
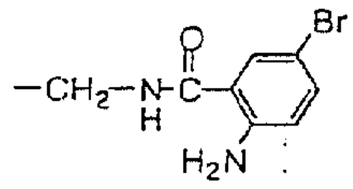
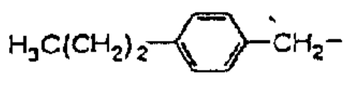
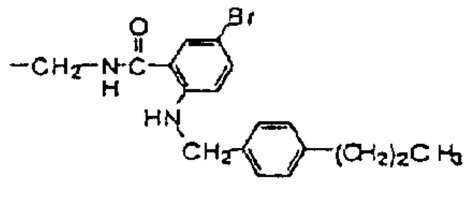
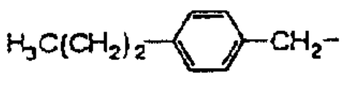
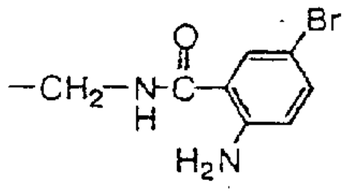
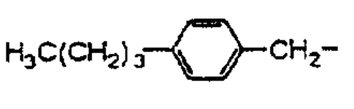
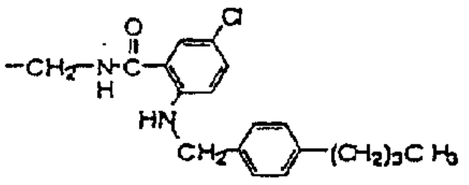
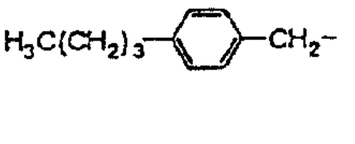
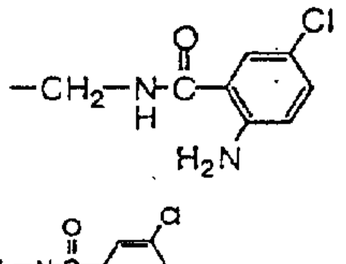
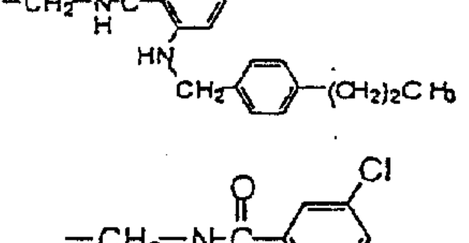
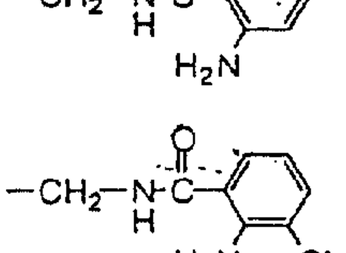
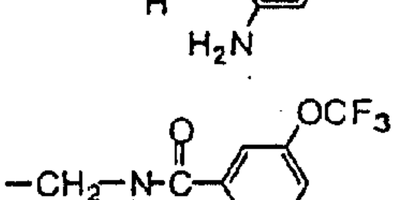
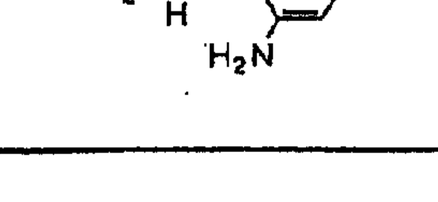
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1651 |  | 2 | 2 | 1 | - | H |  |
| 1652 |  | 2 | 2 | 1 | - | H |  |
| 1653 |  | 2 | 2 | 1 | - | H |  |
| 1654 |  | 2 | 2 | 1 | - | H |  |
| 1655 |  | 2 | 2 | 1 | - | H |  |
| 1656 |  | 2 | 2 | 1 | - | H |  |
| 1657 |  | 2 | 2 | 1 | - | H |  |
| 1658 |  | 2 | 2 | 1 | - | H |  |
| 1659 |  | 2 | 2 | 1 | - | H |  |
| 1660 |  | 1 | 2 | 0 | R | H |  |
| 1661 |  | 1 | 2 | 0 | R | H |  |

Table 1.152

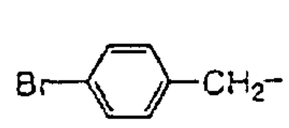
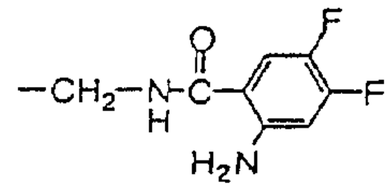
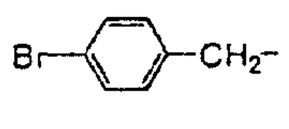
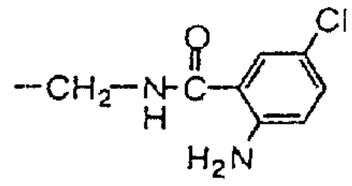
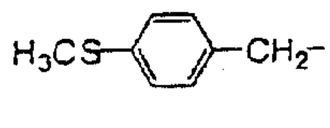
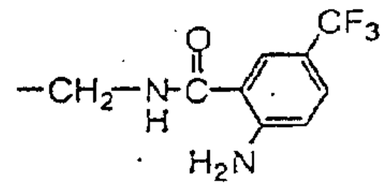
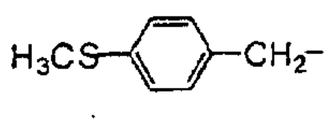
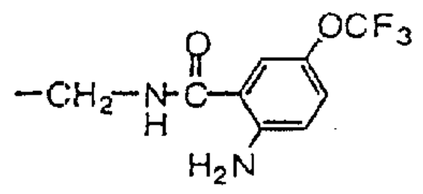
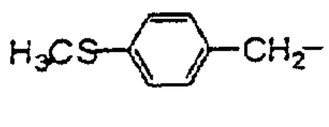
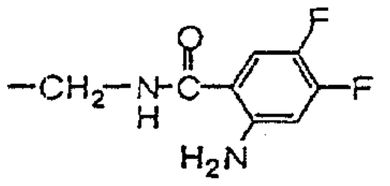
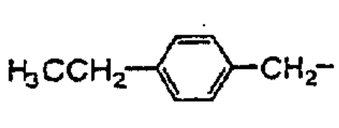
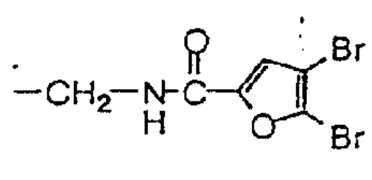
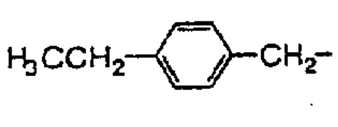
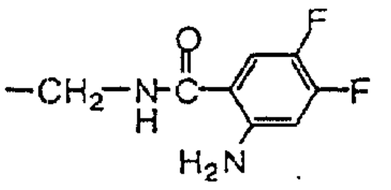
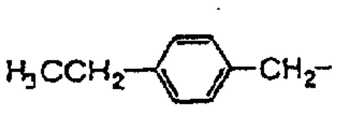
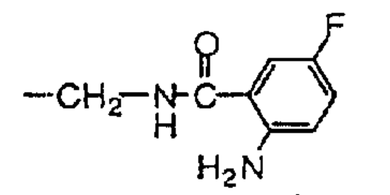
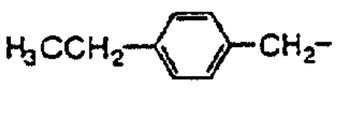
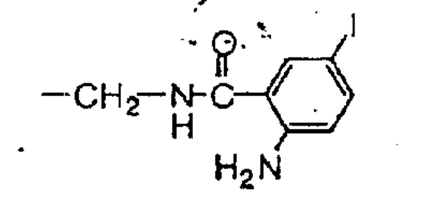
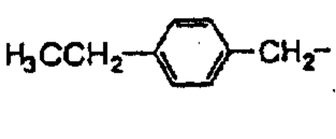
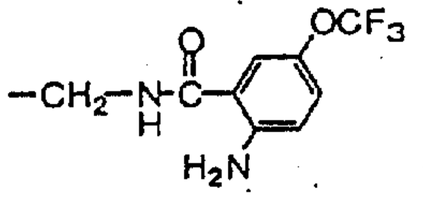
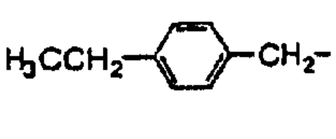
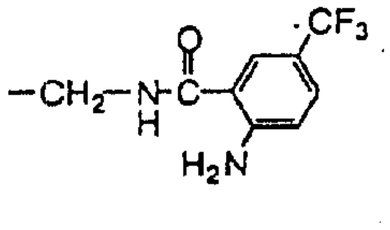
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1662 |  | 1 | 2 | 0 | R | H |  |
| 1663 |  | 1 | 2 | 0 | R | H |  |
| 1664 |  | 2 | 2 | 1 | - | H |  |
| 1665 |  | 2 | 2 | 1 | - | H |  |
| 1666 |  | 2 | 2 | 1 | - | H |  |
| 1667 |  | 2 | 2 | 1 | - | H |  |
| 1668 |  | 2 | 2 | 1 | - | H |  |
| 1669 |  | 2 | 2 | 1 | - | H |  |
| 1670 |  | 2 | 2 | 1 | - | H |  |
| 1671 |  | 2 | 2 | 1 | - | H |  |
| 1672 |  | 2 | 2 | 1 | - | H |  |

Table 1.153

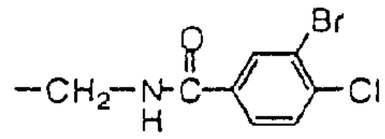
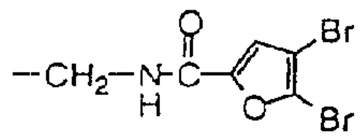
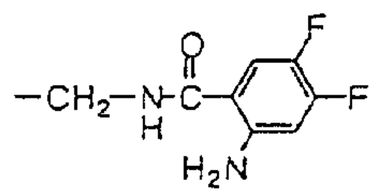
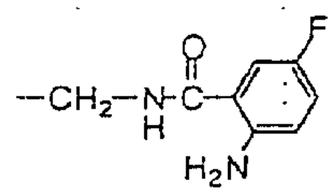
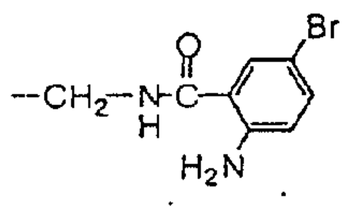
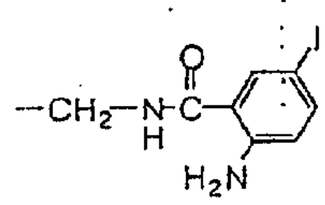
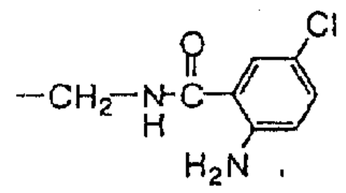
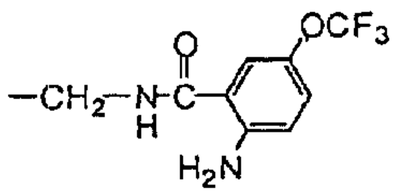
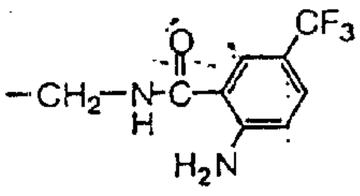
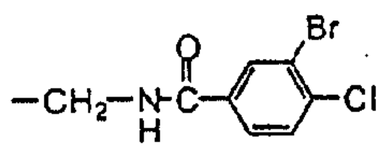
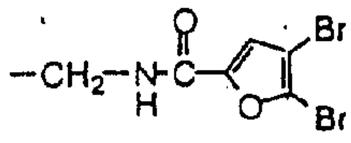
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1673 | $H_3CCH_2$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1674 | F–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1675 | F–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1676 | F–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1677 | F–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1678 | F–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1679 | F–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1680 | F–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1681 | F–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1682 | F–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1683 | Ph–NH–C(=O)–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |

Table 1.154

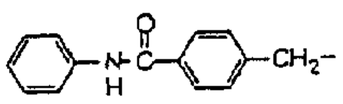
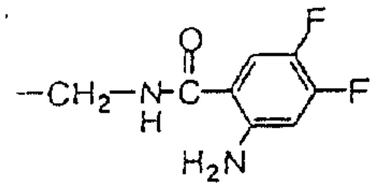
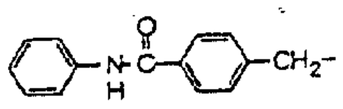
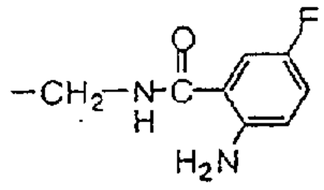
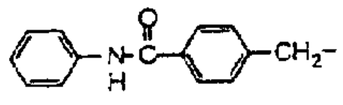
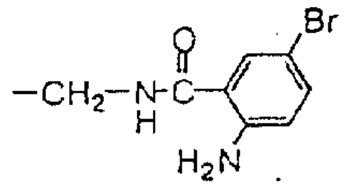
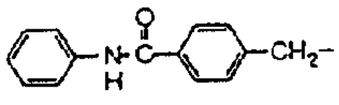
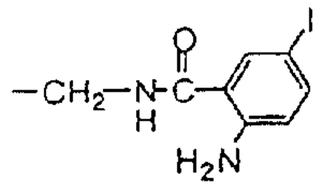
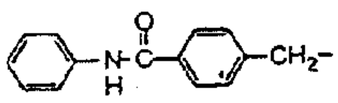
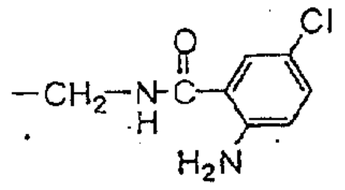
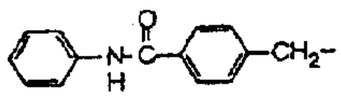
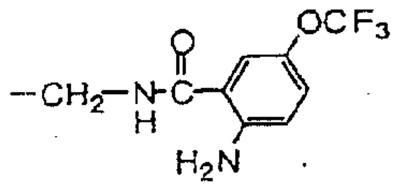
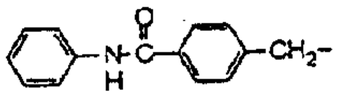
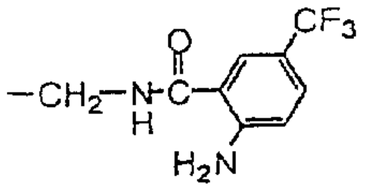
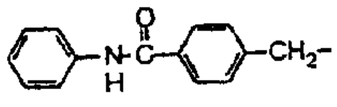
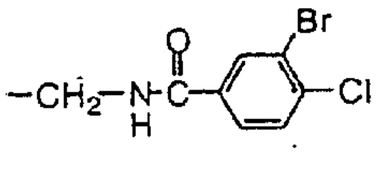
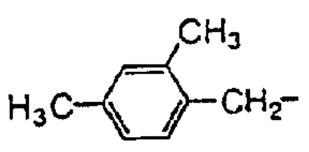
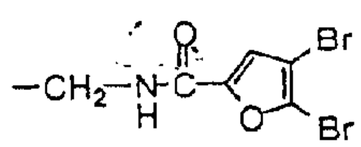
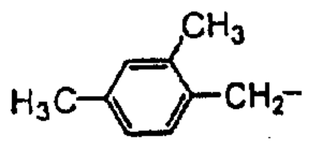
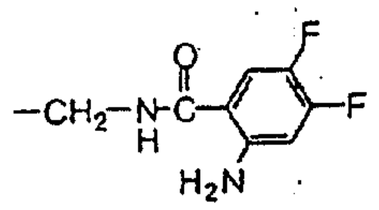
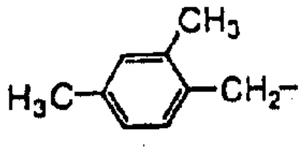
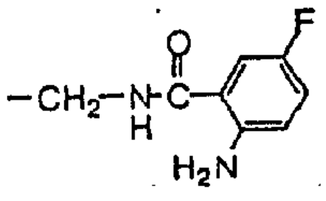
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1684 |  | 2 | 2 | 1 | - | H |  |
| 1685 |  | 2 | 2 | 1 | - | H |  |
| 1686 |  | 2 | 2 | 1 | - | H |  |
| 1687 |  | 2 | 2 | 1 | - | H |  |
| 1688 |  | 2 | 2 | 1 | - | H |  |
| 1689 |  | 2 | 2 | 1 | - | H |  |
| 1690 |  | 2 | 2 | 1 | - | H |  |
| 1691 |  | 2 | 2 | 1 | - | H |  |
| 1692 |  | 1 | 2 | 0 | R | H |  |
| 1693 |  | 1 | 2 | 0 | R | H |  |
| 1694 |  | 1 | 2 | 0 | R | H |  |

Table 1.155

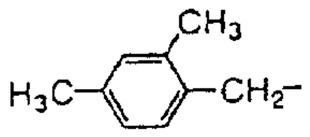
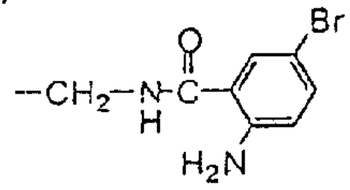
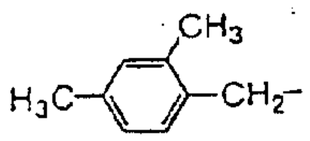
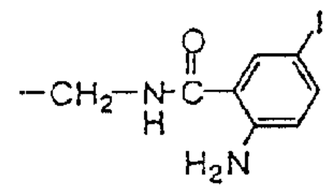
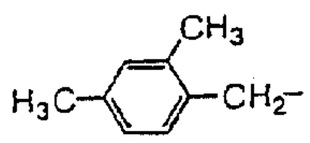
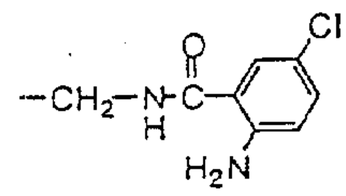
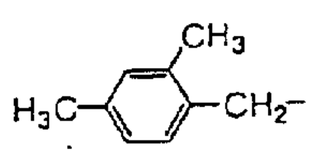
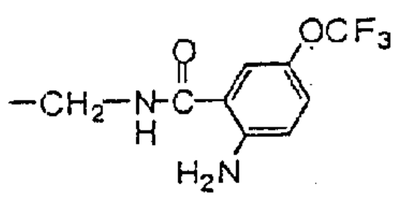
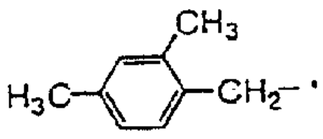
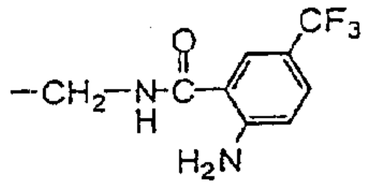
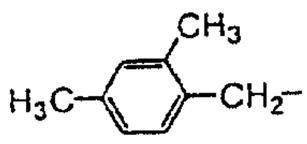
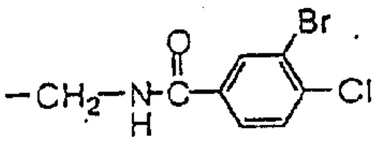
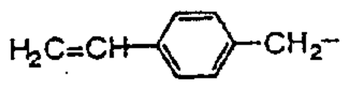
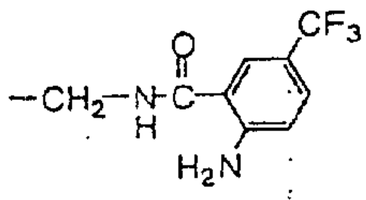
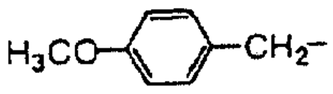
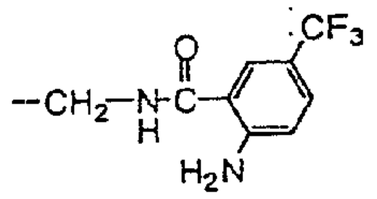
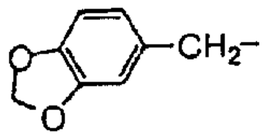
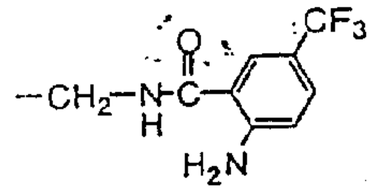
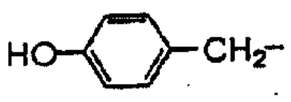
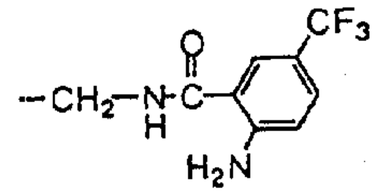
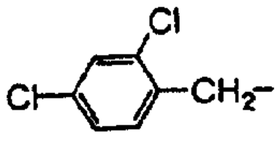
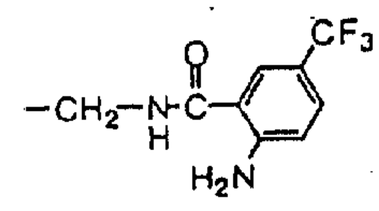
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1695 |  | 1 | 2 | 0 | R | H |  |
| 1696 |  | 1 | 2 | 0 | R | H |  |
| 1697 |  | 1 | 2 | 0 | R | H |  |
| 1698 |  | 1 | 2 | 0 | R | H |  |
| 1699 |  | 1 | 2 | 0 | R | H |  |
| 1700 |  | 1 | 2 | 0 | R | H |  |
| 1701 |  | 1 | 2 | 0 | R | H |  |
| 1702 |  | 1 | 2 | 0 | R | H |  |
| 1703 |  | 1 | 2 | 0 | R | H |  |
| 1704 |  | 1 | 2 | 0 | R | H |  |
| 1705 |  | 1 | 2 | 0 | R | H |  |

Table 1.156

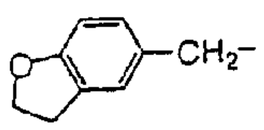
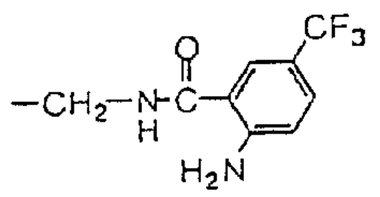
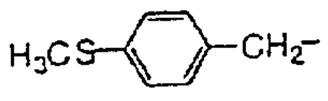
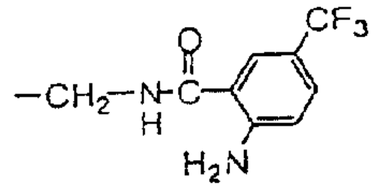
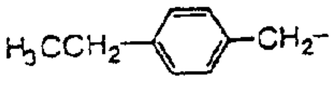
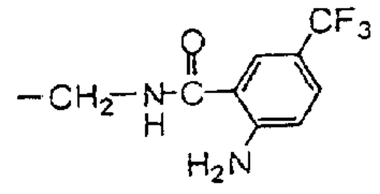
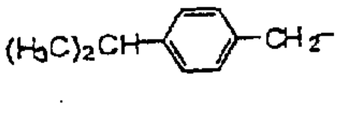
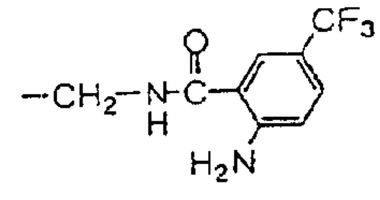
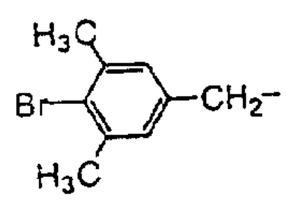
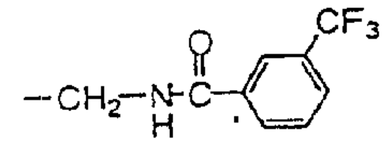
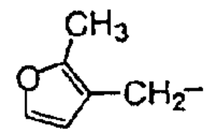
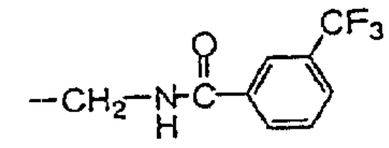
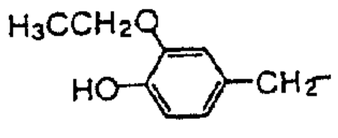
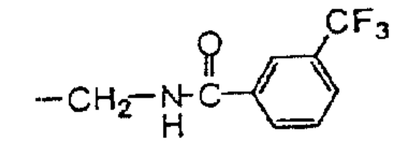
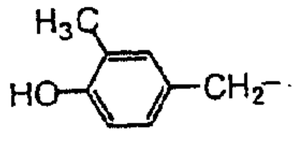
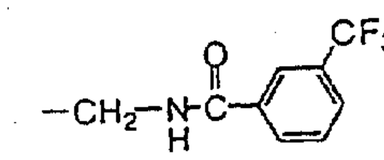
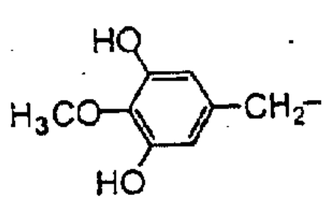
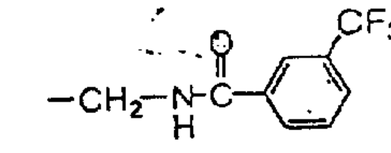
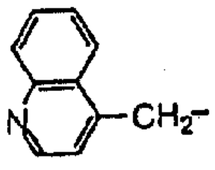
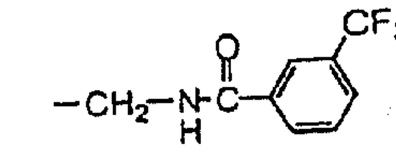
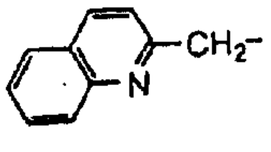
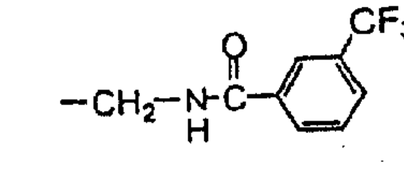
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1706 |  | 1 | 2 | 0 | R | H |  |
| 1707 |  | 1 | 2 | 0 | R | H |  |
| 1708 |  | 1 | 2 | 0 | R | H |  |
| 1709 |  | 1 | 2 | 0 | R | H |  |
| 1710 |  | 1 | 2 | 0 | R | H |  |
| 1711 |  | 1 | 2 | 0 | R | H |  |
| 1712 |  | 1 | 2 | 0 | R | H |  |
| 1713 |  | 1 | 2 | 0 | R | H |  |
| 1714 |  | 1 | 2 | 0 | R | H |  |
| 1715 |  | 1 | 2 | 0 | R | H |  |
| 1716 |  | 1 | 2 | 0 | R | H |  |

Table 1.157

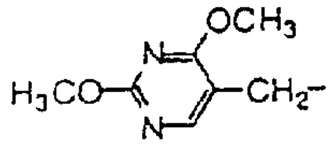
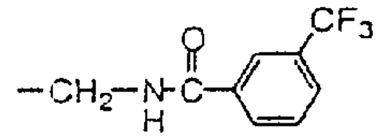
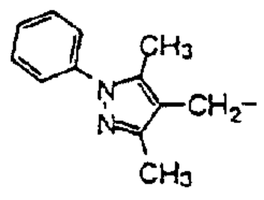
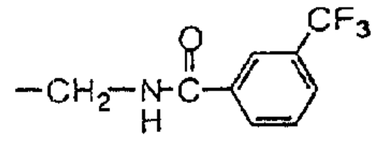
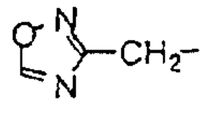
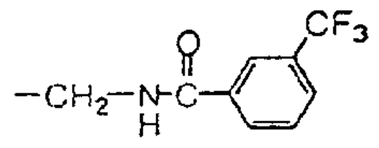
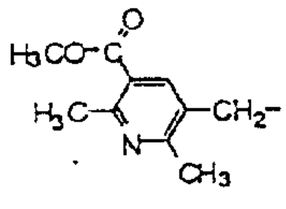
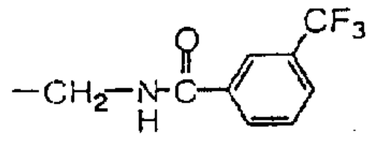
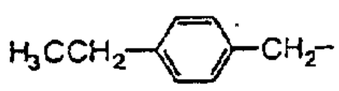
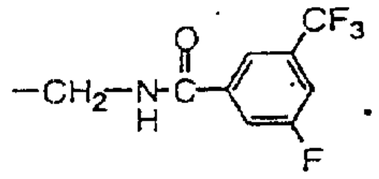
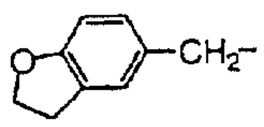
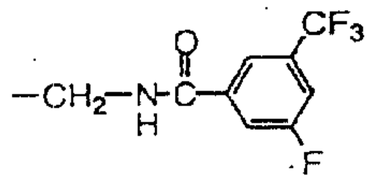
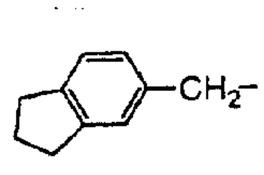
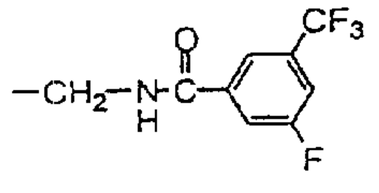
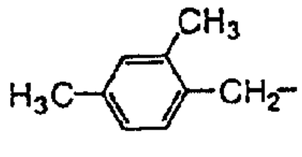
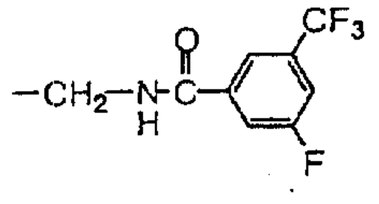
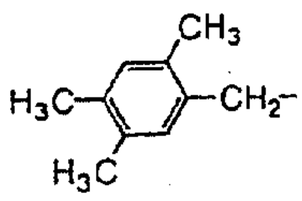
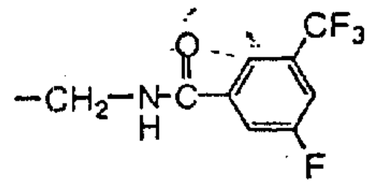
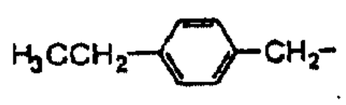
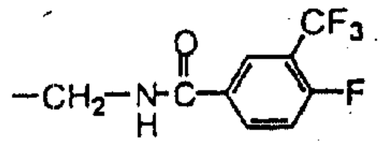
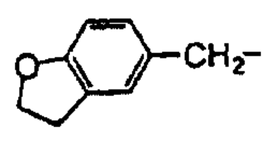
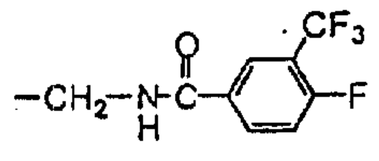
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1717 |  | 1 | 2 | 0 | R | H |  |
| 1718 |  | 1 | 2 | 0 | R | H |  |
| 1719 |  | 1 | 2 | 0 | R | H |  |
| 1720 |  | 1 | 2 | 0 | R | H |  |
| 1721 |  | 1 | 2 | 0 | R | H |  |
| 1722 |  | 1 | 2 | 0 | R | H |  |
| 1723 |  | 1 | 2 | 0 | R | H |  |
| 1724 |  | 1 | 2 | 0 | R | H |  |
| 1725 |  | 1 | 2 | 0 | R | H |  |
| 1726 |  | 1 | 2 | 0 | R | H |  |
| 1727 |  | 1 | 2 | 0 | R | H |  |

Table 1.158

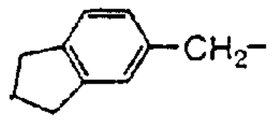
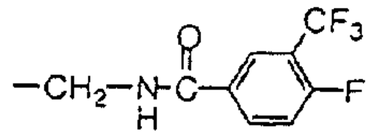
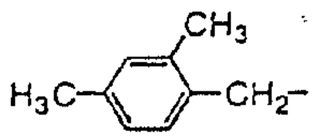
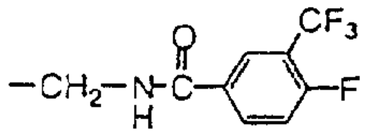
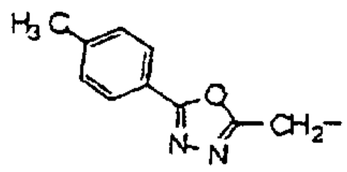
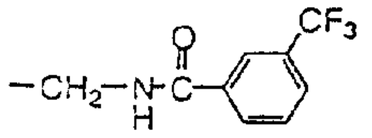
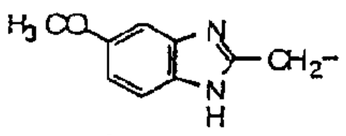
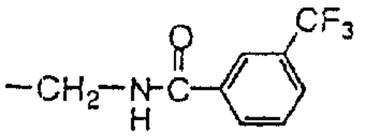
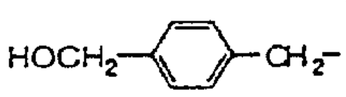
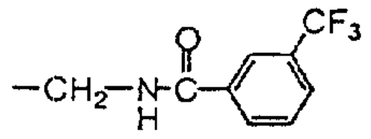
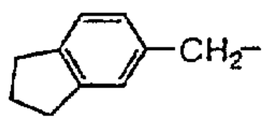
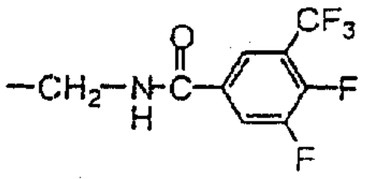
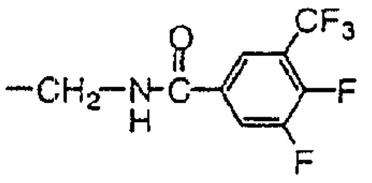
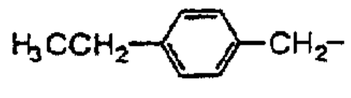
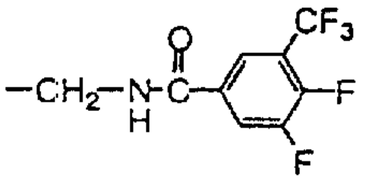
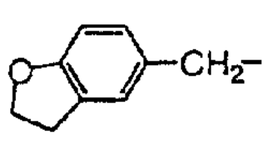
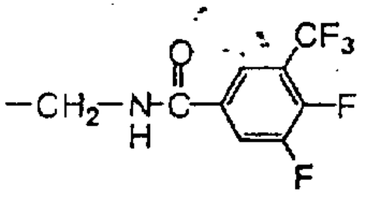
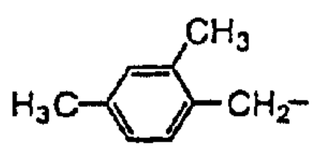
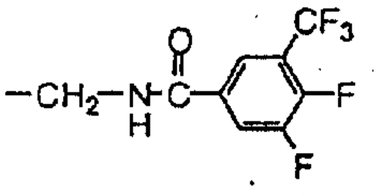
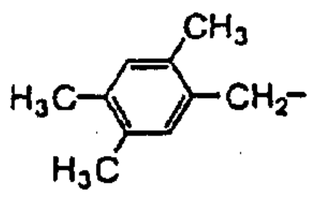
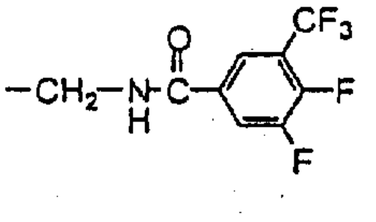
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1728 |  | 1 | 2 | 0 | R | H |  |
| 1729 |  | 1 | 2 | 0 | R | H |  |
| 1730 |  | 1 | 2 | 0 | R | H |  |
| 1731 |  | 1 | 2 | 0 | R | H |  |
| 1732 |  | 1 | 2 | 0 | R | H |  |
| 1733 |  | 1 | 2 | 0 | R | H |  |
| 1734 |  | 1 | 2 | 0 | R | H |  |
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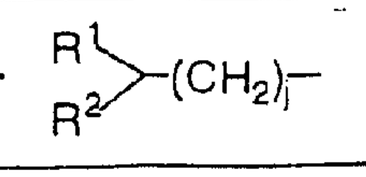
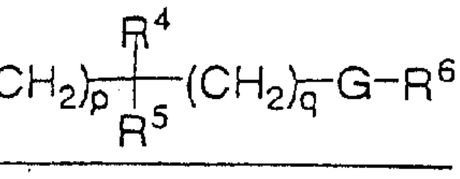
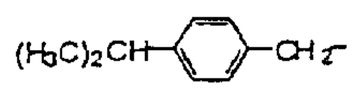
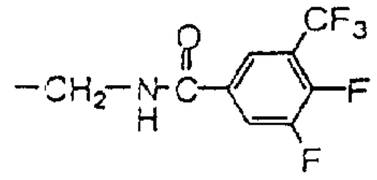
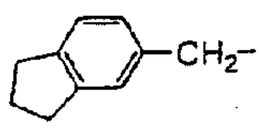
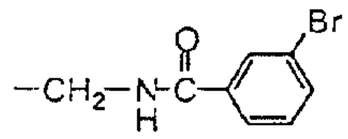
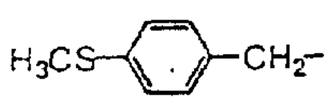
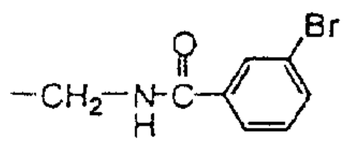
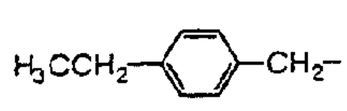
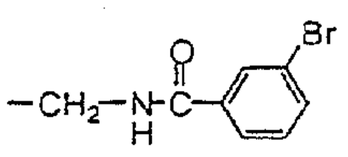
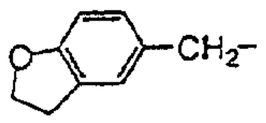
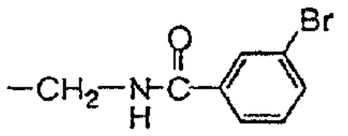
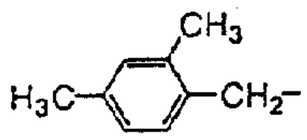
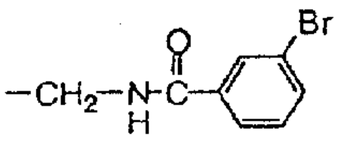
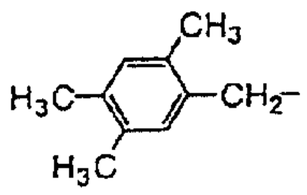
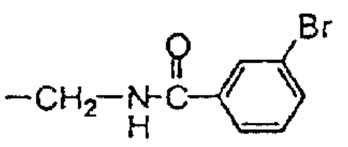
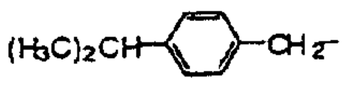
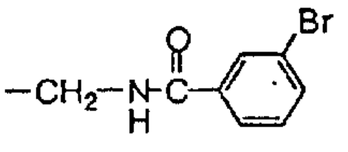
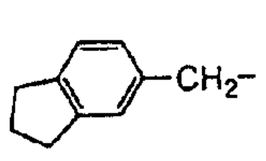
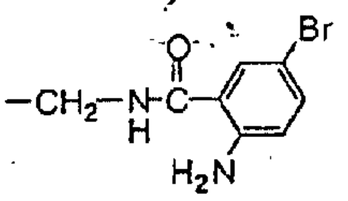
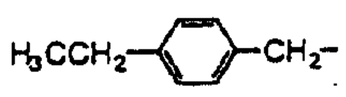
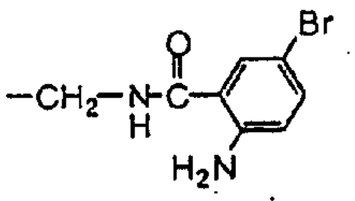
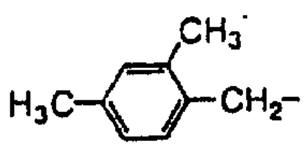
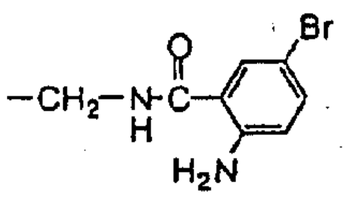
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
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| 1740 |  | 1 | 2 | 0 | R | H |  |
| 1741 |  | 1 | 2 | 0 | R | H |  |
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| 1743 |  | 1 | 2 | 0 | R | H |  |
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| 1745 |  | 1 | 2 | 0 | R | H |  |
| 1746 |  | 1 | 2 | 0 | R | H |  |
| 1747 |  | 1 | 2 | 0 | R | H |  |
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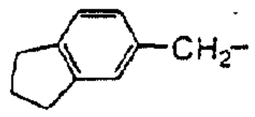
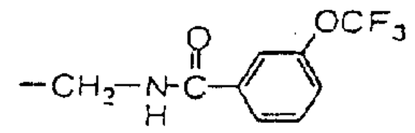
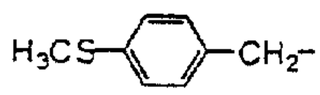
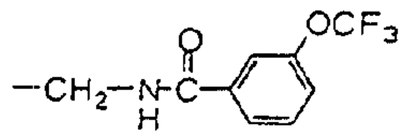
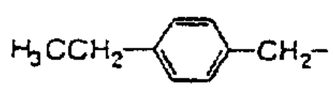
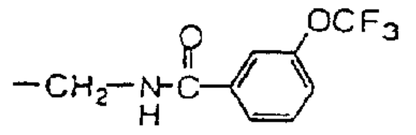
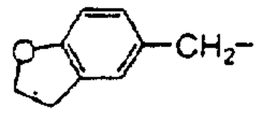
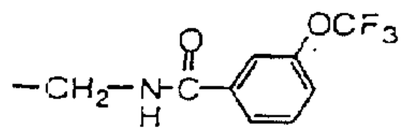
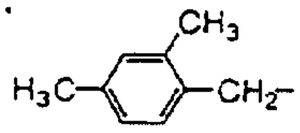
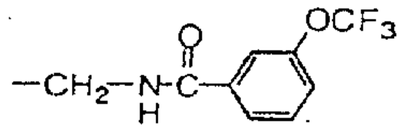
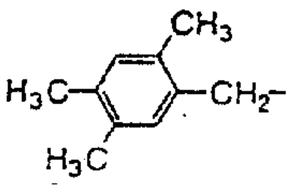
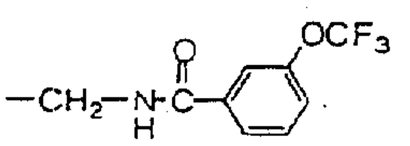
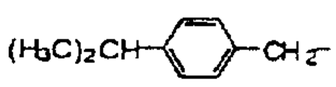
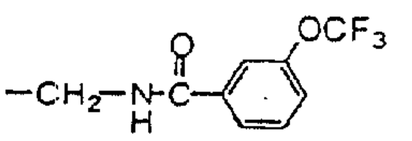
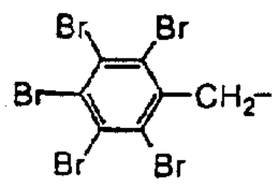
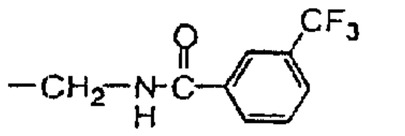
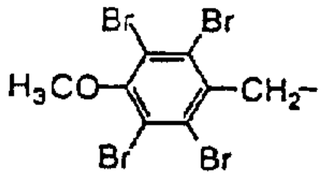
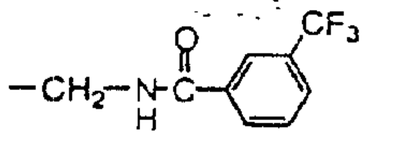
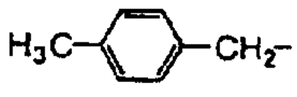
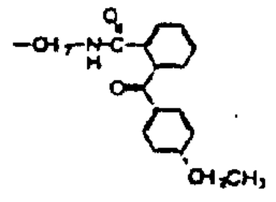
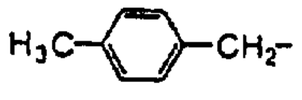
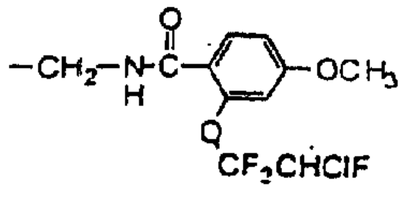
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1750 |  | 1 | 2 | 0 | R | H |  |
| 1751 |  | 1 | 2 | 0 | R | H |  |
| 1752 |  | 1 | 2 | 0 | R | H |  |
| 1753 |  | 1 | 2 | 0 | R | H |  |
| 1754 |  | 1 | 2 | 0 | R | H |  |
| 1755 |  | 1 | 2 | 0 | R | H |  |
| 1756 |  | 1 | 2 | 0 | R | H |  |
| 1757 |  | 1 | 2 | 0 | R | H |  |
| 1758 |  | 1 | 2 | 0 | R | H |  |
| 1759 |  | 1 | 2 | 0 | R | H |  |
| 1760 |  | 1 | 2 | 0 | R | H |  |

Table 1.161

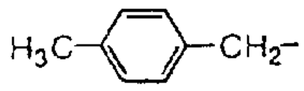
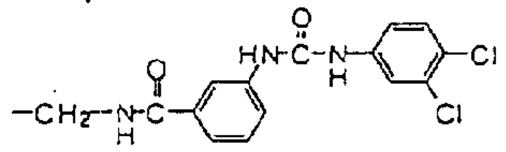
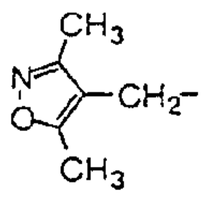
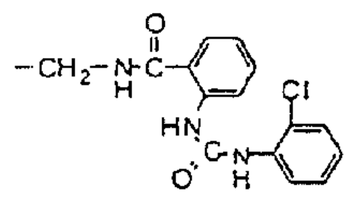
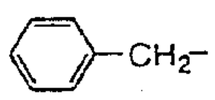
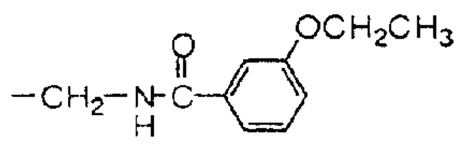
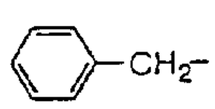
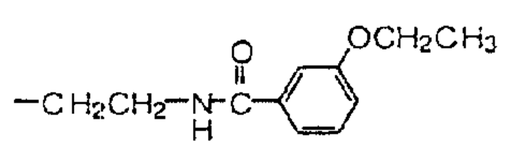
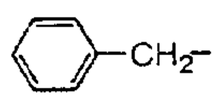
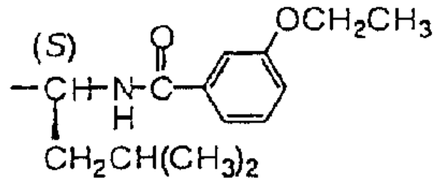
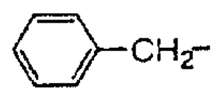
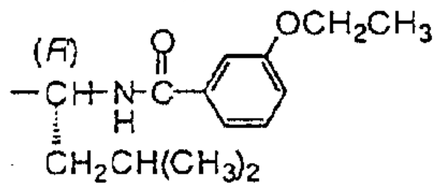
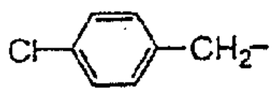
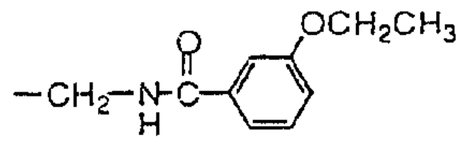
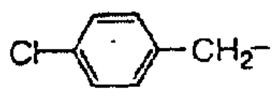
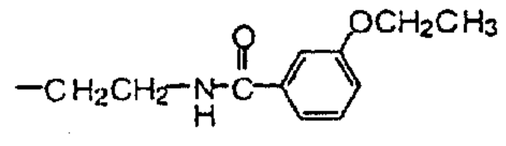
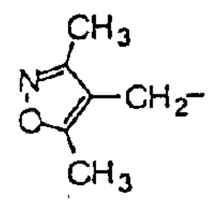
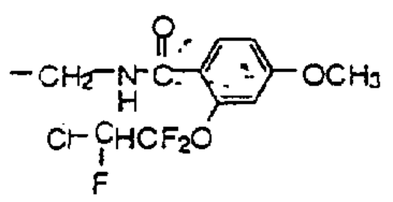
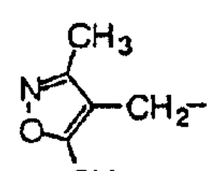
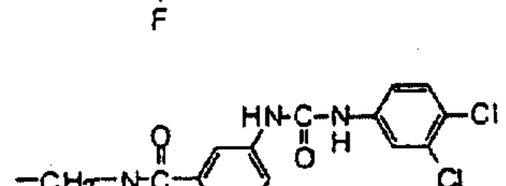
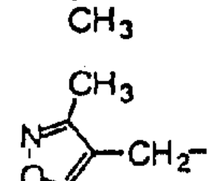
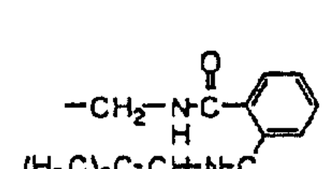
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1761 |  | 1 | 2 | 0 | R | H |  |
| 1762 |  | 1 | 2 | 0 | R | H |  |
| 1763 |  | 2 | 2 | 0 | - | H |  |
| 1764 |  | 2 | 2 | 0 | - | H |  |
| 1765 |  | 2 | 2 | 0 | - | H |  |
| 1766 |  | 2 | 2 | 0 | - | H |  |
| 1767 |  | 1 | 3 | 1 | - | H |  |
| 1768 |  | 1 | 3 | 1 | - | H |  |
| 1769 |  | 1 | 2 | 0 | R | H |  |
| 1770 |  | 1 | 2 | 0 | R | H |  |
| 1771 |  | 1 | 2 | 0 | R | H |  |

Table 1.162

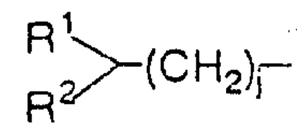
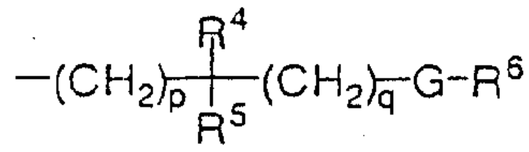
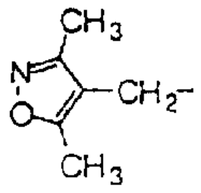
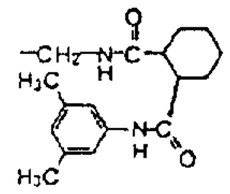
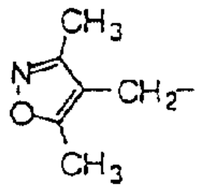
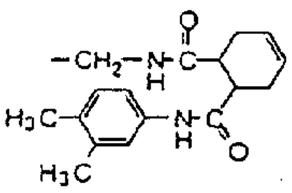
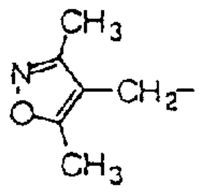
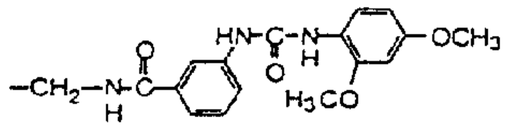
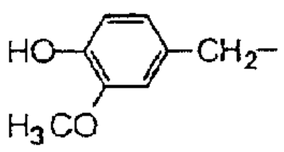
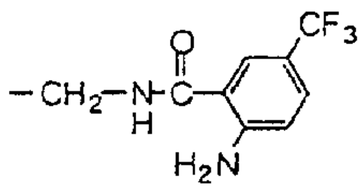
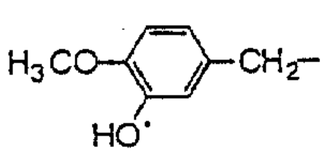
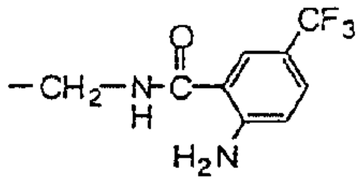
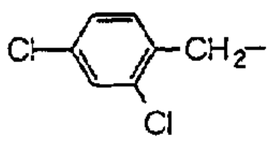
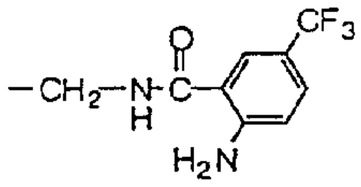
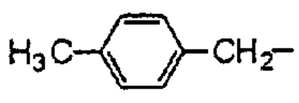
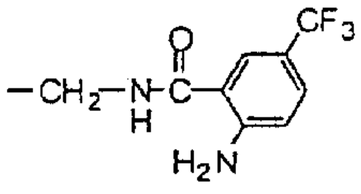
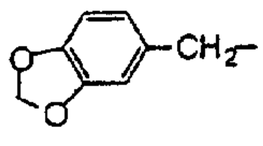
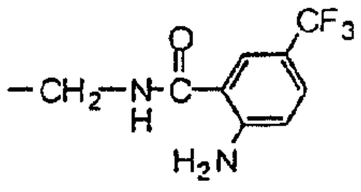
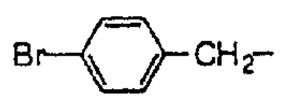
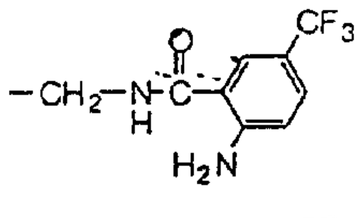
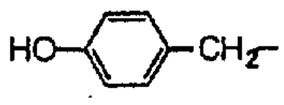
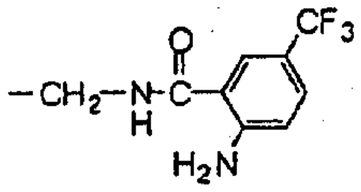
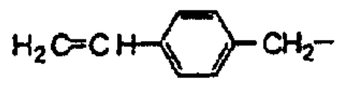
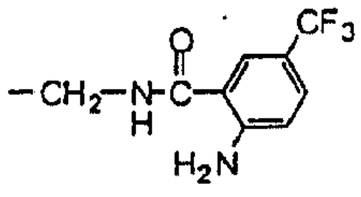
| Compd. No. |  | k | m | n | chirality | R³ |  |
|---|---|---|---|---|---|---|---|
| 1772 |  | 1 | 2 | 0 | R | H |  |
| 1773 |  | 1 | 2 | 0 | R | H |  |
| 1774 |  | 1 | 2 | 0 | R | H |  |
| 1775 |  | 1 | 2 | 0 | R | H |  |
| 1776 |  | 1 | 2 | 0 | R | H |  |
| 1777 |  | 2 | 2 | 1 | - | H |  |
| 1778 |  | 2 | 2 | 1 | - | H |  |
| 1779 |  | 2 | 2 | 1 | - | H |  |
| 1780 |  | 2 | 2 | 1 | - | H |  |
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| 1782 |  | 2 | 2 | 1 | - | H |  |

Table 1.163

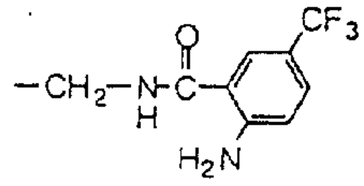
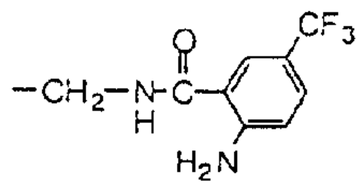
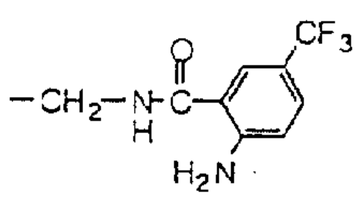
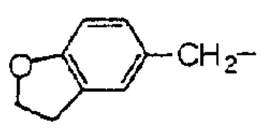
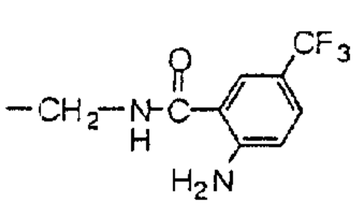
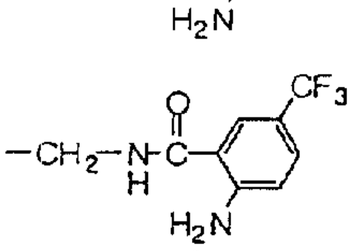
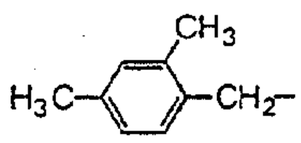
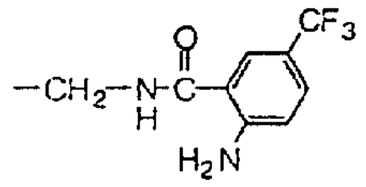
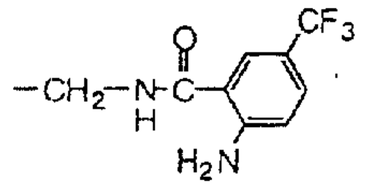
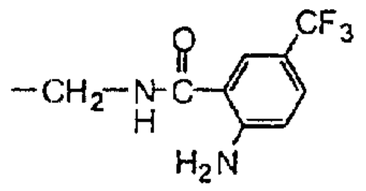
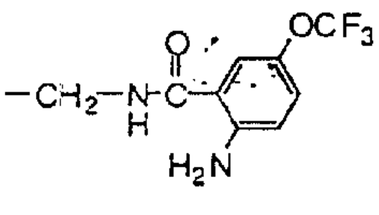
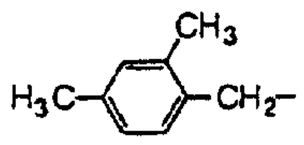
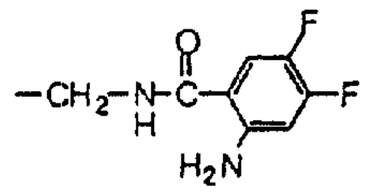
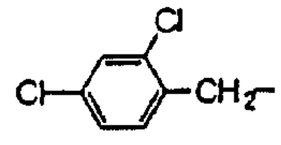
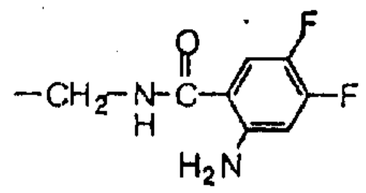
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1783 | NC-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1784 | Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1785 | $CH_3(CH_2)_2$-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1786 |  | 2 | 2 | 1 | - | H |  |
| 1787 | $CH_3(CH_2)_2$-Ph-$CH_2$- | 1 | 2 | 0 | R | H |  |
| 1788 |  | 2 | 2 | 1 | - | H |  |
| 1789 | $H_3CO$-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1790 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 1791 | Cl-Ph-$CH_2$- | 1 | 2 | 0 | S | H |  |
| 1792 |  | 2 | 2 | 1 | - | H |  |
| 1793 |  | 2 | 2 | 1 | - | H |  |

Table 1.164

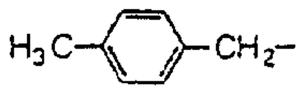
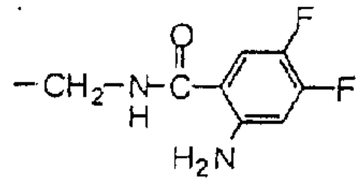
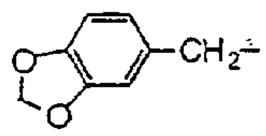
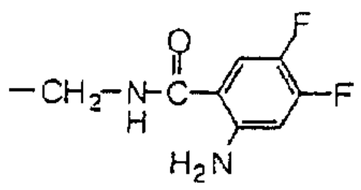
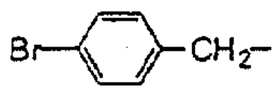
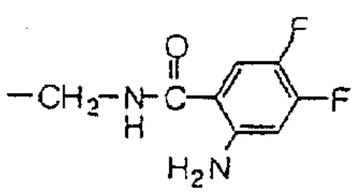
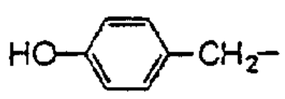
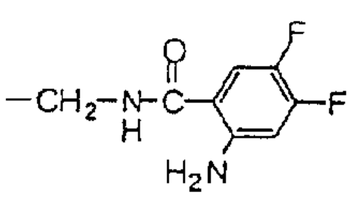
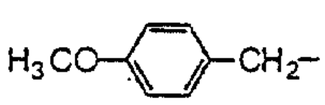
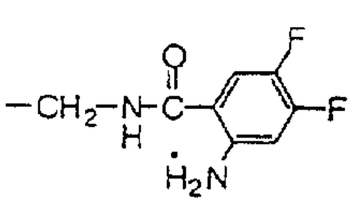
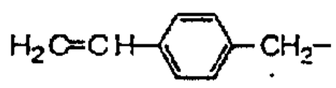
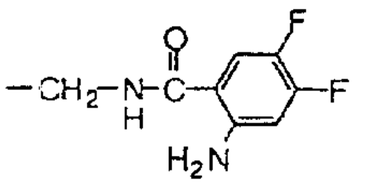
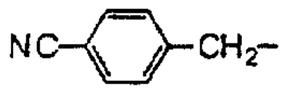
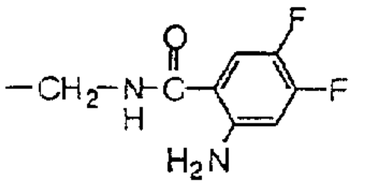
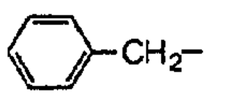
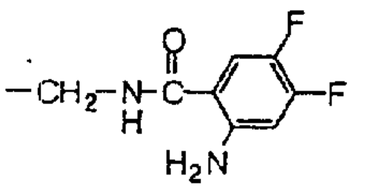
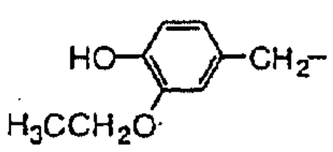
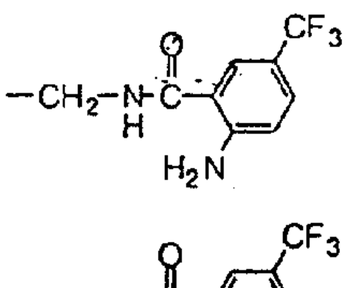
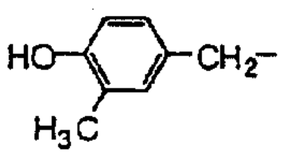
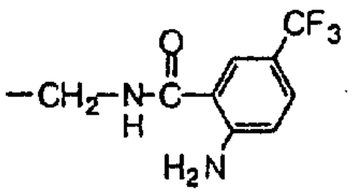
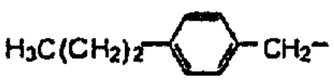
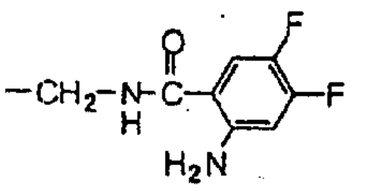
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1794 |  | 2 | 2 | 1 | - | H |  |
| 1795 |  | 2 | 2 | 1 | - | H |  |
| 1796 |  | 2 | 2 | 1 | - | H |  |
| 1797 |  | 2 | 2 | 1 | - | H |  |
| 1798 |  | 2 | 2 | 1 | - | H |  |
| 1799 |  | 2 | 2 | 1 | - | H |  |
| 1800 |  | 2 | 2 | 1 | - | H |  |
| 1801 |  | 2 | 2 | 1 | - | H |  |
| 1802 |  | 1 | 2 | 0 | R | H |  |
| 1803 |  | 1 | 2 | 0 | R | H |  |
| 1804 |  | 2 | 2 | 1 | - | H |  |

Table 1.165

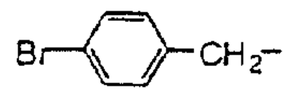
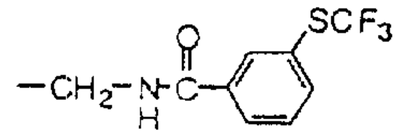
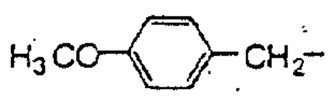
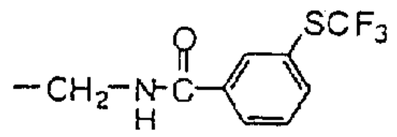
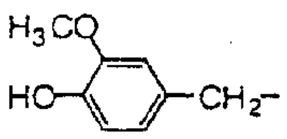
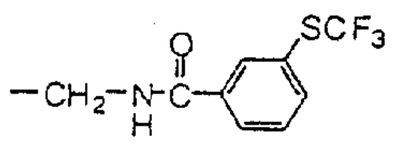
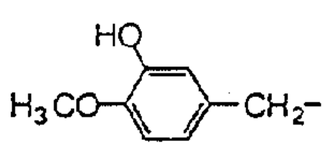
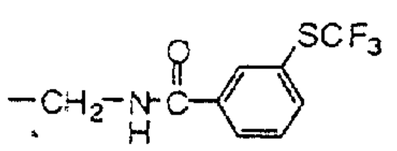
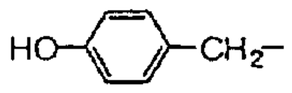
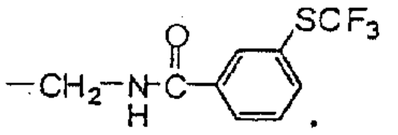
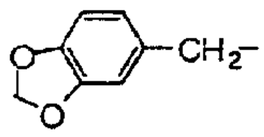
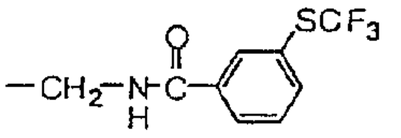
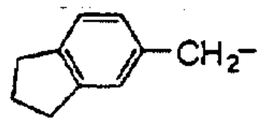
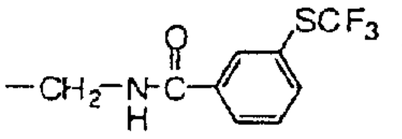
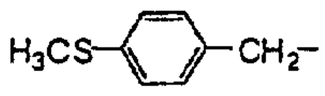
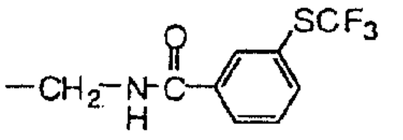
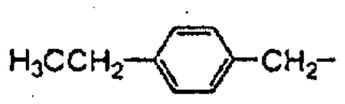
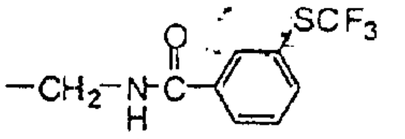
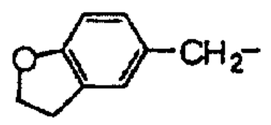
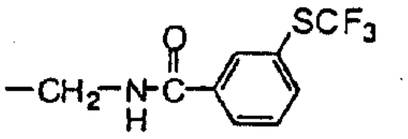
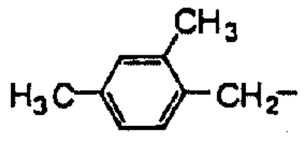
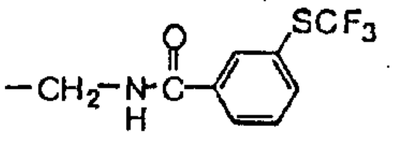
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1805 |  | 1 | 2 | 0 | R | H |  |
| 1806 |  | 1 | 2 | 0 | R | H |  |
| 1807 |  | 1 | 2 | 0 | R | H |  |
| 1808 |  | 1 | 2 | 0 | R | H |  |
| 1809 |  | 1 | 2 | 0 | R | H |  |
| 1810 |  | 1 | 2 | 0 | R | H |  |
| 1811 |  | 1 | 2 | 0 | R | H |  |
| 1812 |  | 1 | 2 | 0 | R | H |  |
| 1813 |  | 1 | 2 | 0 | R | H |  |
| 1814 |  | 1 | 2 | 0 | R | H |  |
| 1815 |  | 1 | 2 | 0 | R | H |  |

Table 1.166

| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1816 | $(CH_3)_2CH$-Ph-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$SCF_3$ |
| 1817 | $(CH_3)_3C$-Ph-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$SCF_3$ |
| 1818 | Br-Ph-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$OCHF_2$ |
| 1819 | $H_3CO$-Ph-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$OCHF_2$ |
| 1820 | $H_3CO$, HO-Ph-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$OCHF_2$ |
| 1821 | HO, $H_3CO$-Ph-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$OCHF_2$ |
| 1822 | HO-Ph-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$OCHF_2$ |
| 1823 | O,O-methylenedioxy-Ph-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$OCHF_2$ |
| 1824 | indan-5-yl-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$OCHF_2$ |
| 1825 | $H_3CS$-Ph-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$OCHF_2$ |
| 1826 | $H_3CCH_2$-Ph-$CH_2$ | 1 | 2 | 0 | R | H | $-CH_2-NH-C(=O)$-Ph-$OCHF_2$ |

Table 1.167

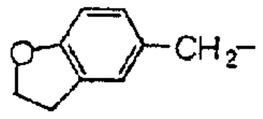
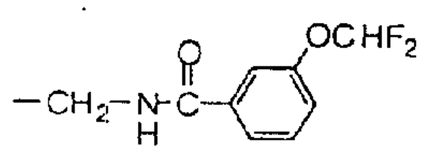
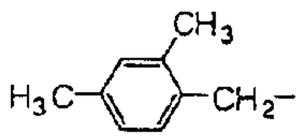
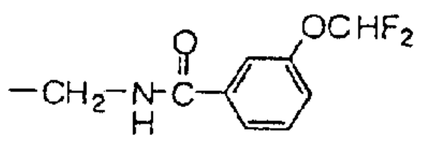
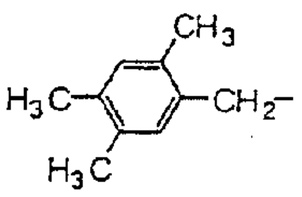
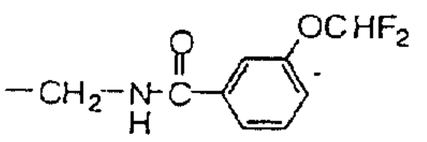
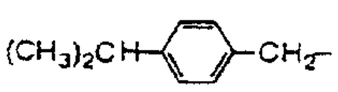
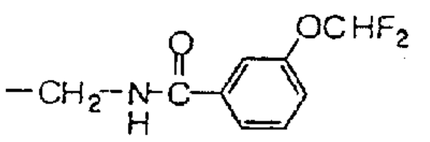
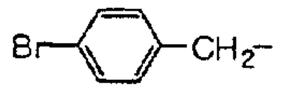
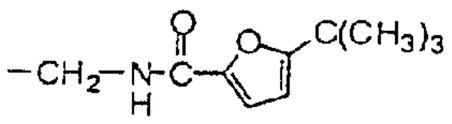
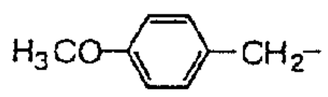
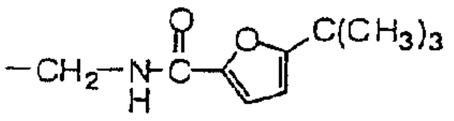
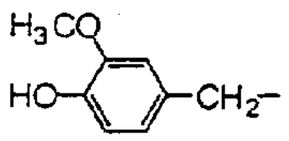
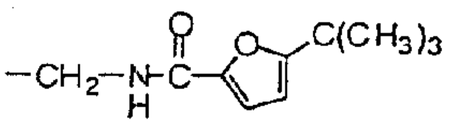
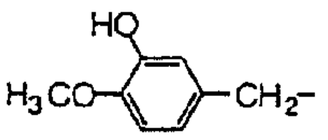
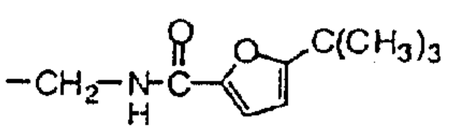
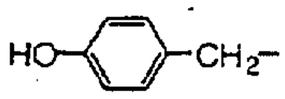
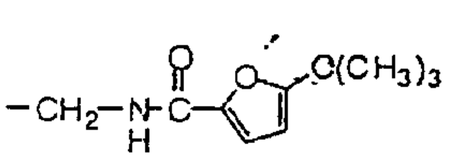
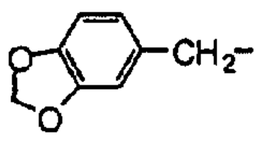
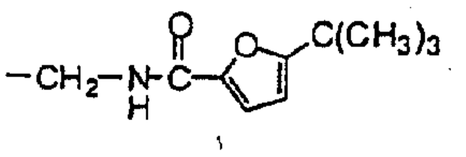
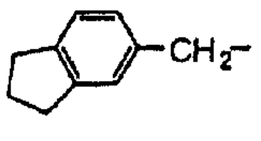
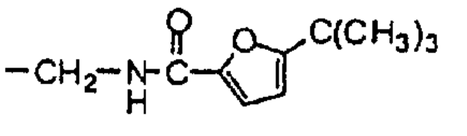
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1827 |  | 1 | 2 | 0 | R | H |  |
| 1828 |  | 1 | 2 | 0 | R | H |  |
| 1829 |  | 1 | 2 | 0 | R | H |  |
| 1830 |  | 1 | 2 | 0 | R | H |  |
| 1831 |  | 1 | 2 | 0 | R | H |  |
| 1832 |  | 1 | 2 | 0 | R | H |  |
| 1833 |  | 1 | 2 | 0 | R | H |  |
| 1834 |  | 1 | 2 | 0 | R | H |  |
| 1835 |  | 1 | 2 | 0 | R | H |  |
| 1836 |  | 1 | 2 | 0 | R | H |  |
| 1837 |  | 1 | 2 | 0 | R | H |  |

Table 1.168

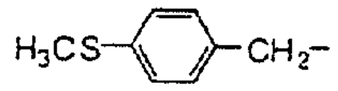
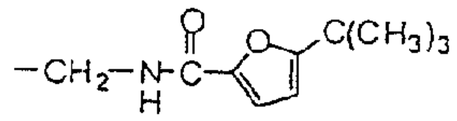
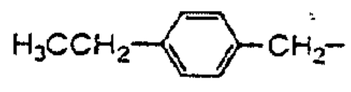
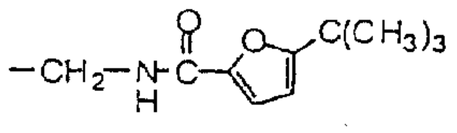
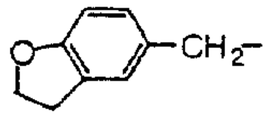
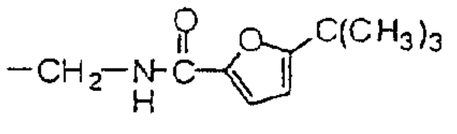
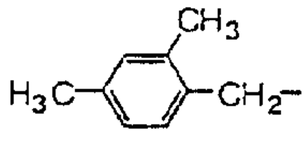
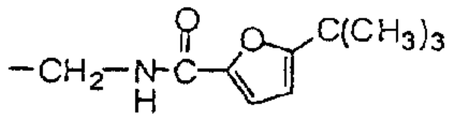
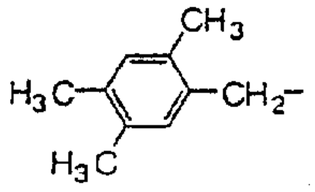
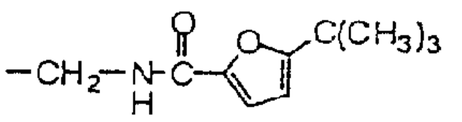
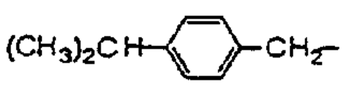
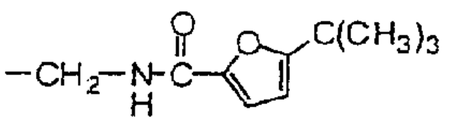
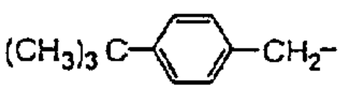
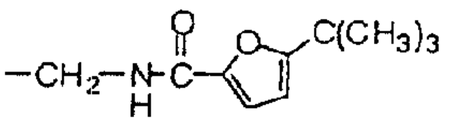
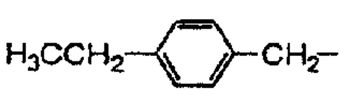
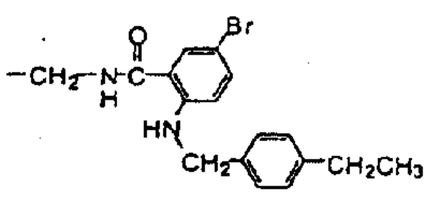
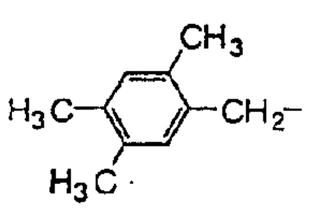
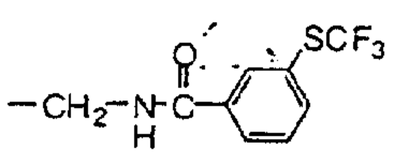
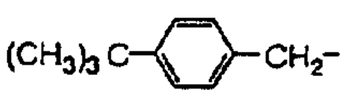
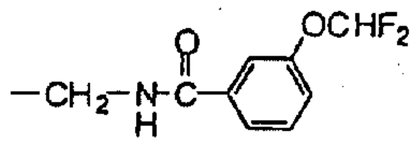
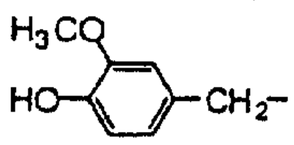
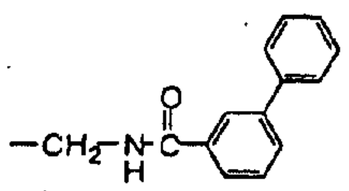
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1838 |  | 1 | 2 | 0 | R | H |  |
| 1839 |  | 1 | 2 | 0 | R | H |  |
| 1840 |  | 1 | 2 | 0 | R | H |  |
| 1841 |  | 1 | 2 | 0 | R | H |  |
| 1842 |  | 1 | 2 | 0 | R | H |  |
| 1843 |  | 1 | 2 | 0 | R | H |  |
| 1844 |  | 1 | 2 | 0 | R | H |  |
| 1845 |  | 1 | 2 | 0 | R | H |  |
| 1846 |  | 1 | 2 | 0 | R | H |  |
| 1847 |  | 1 | 2 | 0 | R | H |  |
| 1848 |  | 1 | 2 | 0 | R | H |  |

Table 1.169

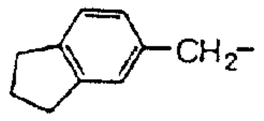
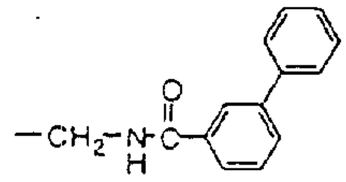
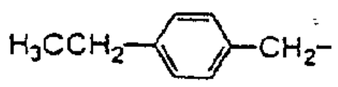
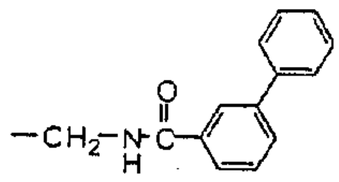
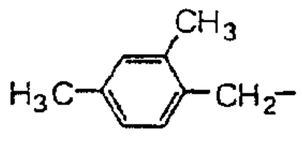
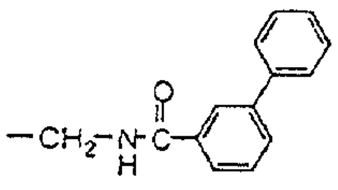
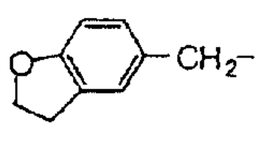
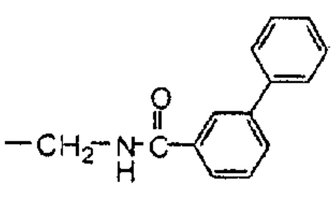
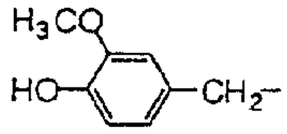
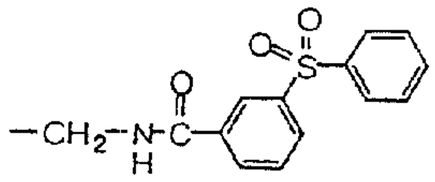
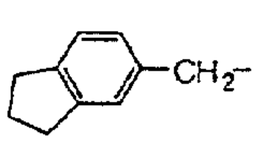
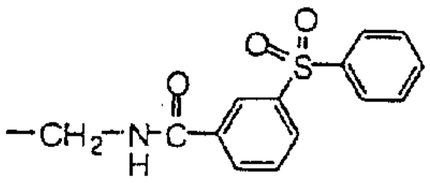
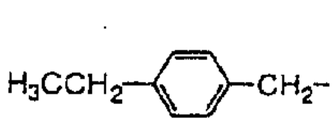
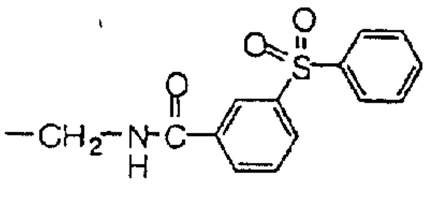
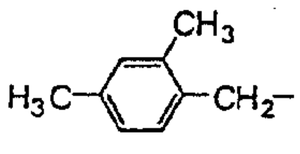
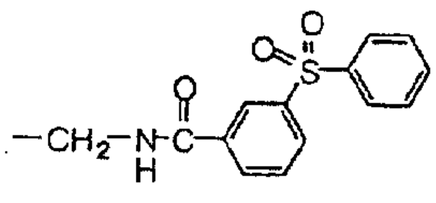
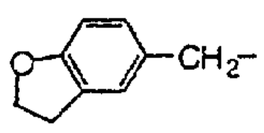
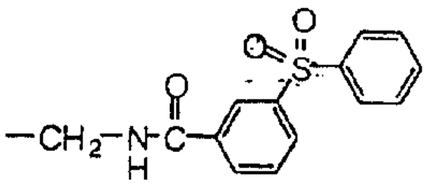
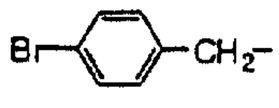
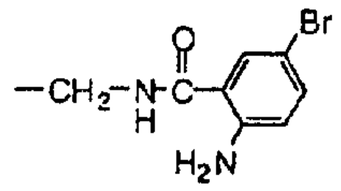
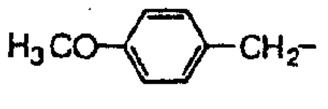
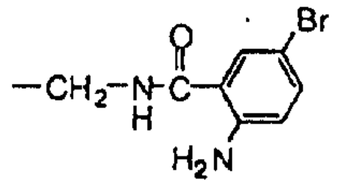
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1849 |  | 1 | 2 | 0 | R | H |  |
| 1850 |  | 1 | 2 | 0 | R | H |  |
| 1851 |  | 1 | 2 | 0 | R | H |  |
| 1852 |  | 1 | 2 | 0 | R | H |  |
| 1853 |  | 1 | 2 | 0 | R | H |  |
| 1854 |  | 1 | 2 | 0 | R | H |  |
| 1855 |  | 1 | 2 | 0 | R | H |  |
| 1856 |  | 1 | 2 | 0 | R | H |  |
| 1857 |  | 1 | 2 | 0 | R | H |  |
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| 1859 |  | 1 | 2 | 0 | R | H |  |

Table 1.170

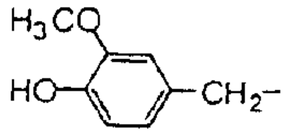
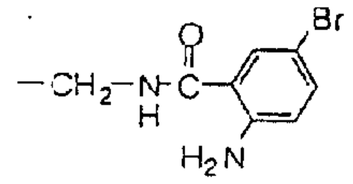
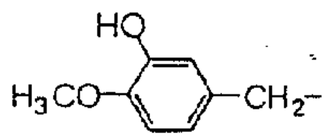
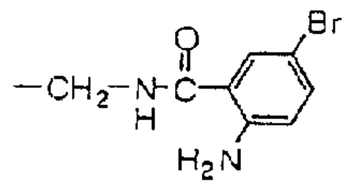
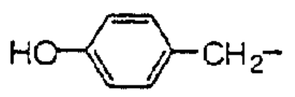
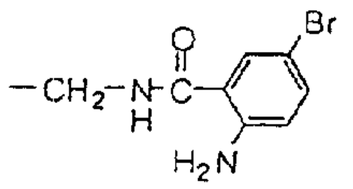
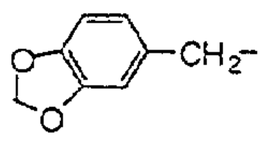
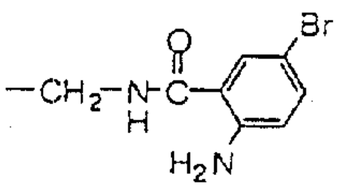
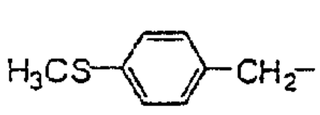
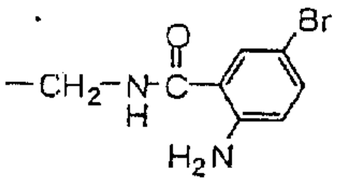
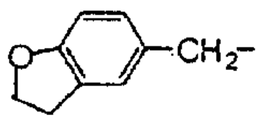
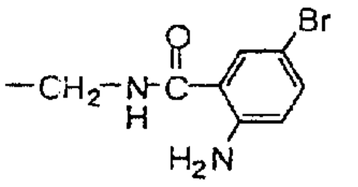
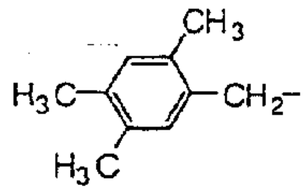
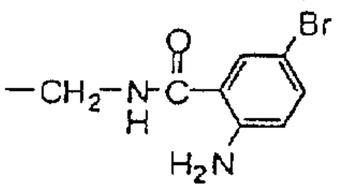
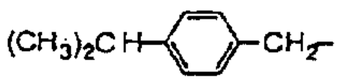
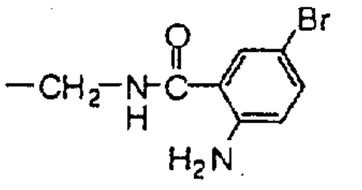
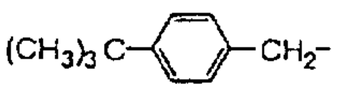
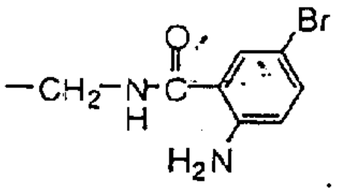
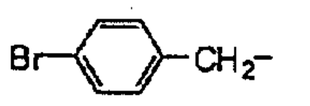
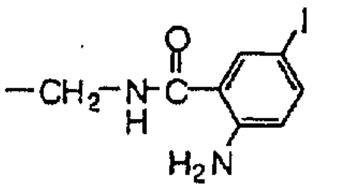
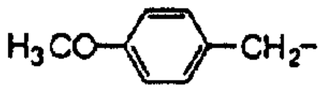
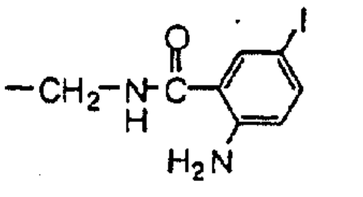
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1860 |  | 1 | 2 | 0 | R | H |  |
| 1861 |  | 1 | 2 | 0 | R | H |  |
| 1862 |  | 1 | 2 | 0 | R | H |  |
| 1863 |  | 1 | 2 | 0 | R | H |  |
| 1864 |  | 1 | 2 | 0 | R | H |  |
| 1865 |  | 1 | 2 | 0 | R | H |  |
| 1866 |  | 1 | 2 | 0 | R | H |  |
| 1867 |  | 1 | 2 | 0 | R | H |  |
| 1868 |  | 1 | 2 | 0 | R | H |  |
| 1869 |  | 1 | 2 | 0 | R | H |  |
| 1870 |  | 1 | 2 | 0 | R | H |  |

Table 1.171

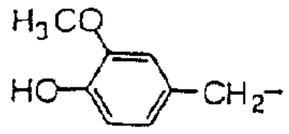
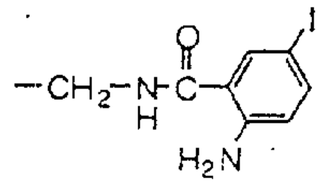
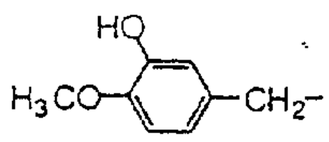
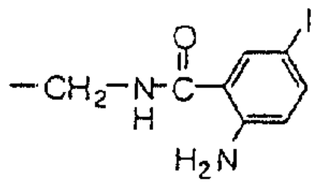
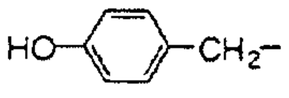
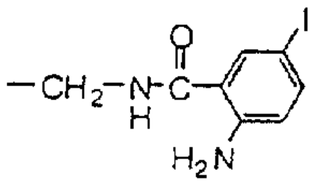
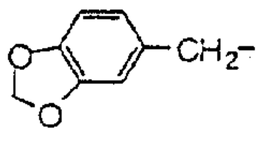
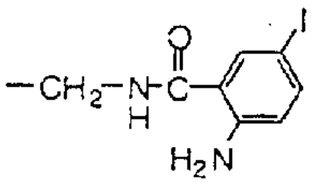
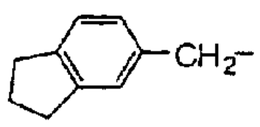
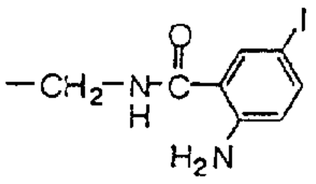
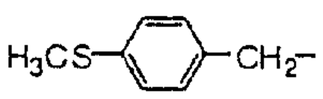
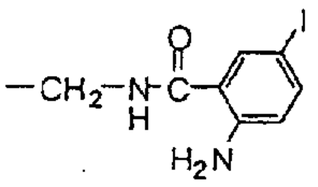
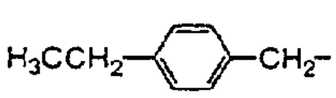
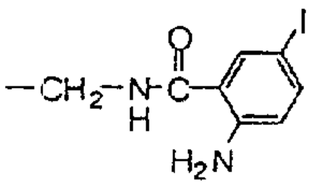
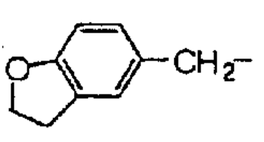
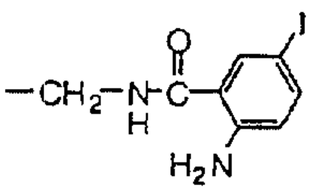
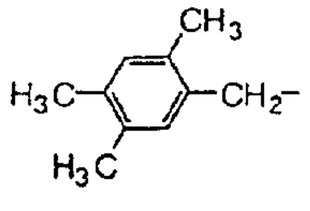
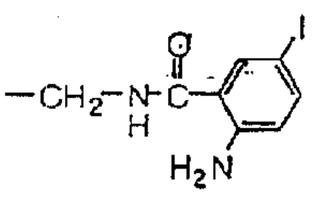
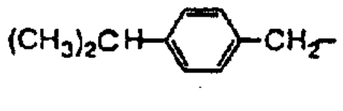
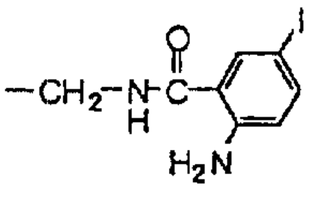
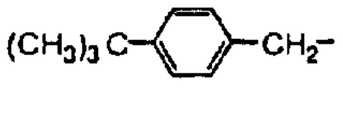
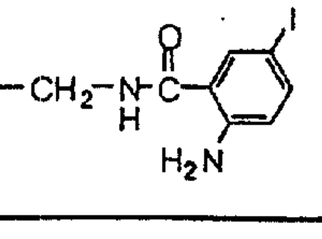
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1871 |  | 1 | 2 | 0 | R | H |  |
| 1872 |  | 1 | 2 | 0 | R | H |  |
| 1873 |  | 1 | 2 | 0 | R | H |  |
| 1874 |  | 1 | 2 | 0 | R | H |  |
| 1875 |  | 1 | 2 | 0 | R | H |  |
| 1876 |  | 1 | 2 | 0 | R | H |  |
| 1877 |  | 1 | 2 | 0 | R | H |  |
| 1878 |  | 1 | 2 | 0 | R | H |  |
| 1879 |  | 1 | 2 | 0 | R | H |  |
| 1880 |  | 1 | 2 | 0 | R | H |  |
| 1881 |  | 1 | 2 | 0 | R | H |  |

Table 1.172

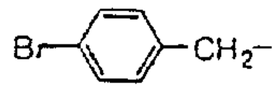
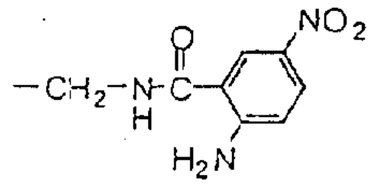
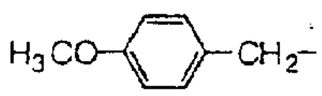
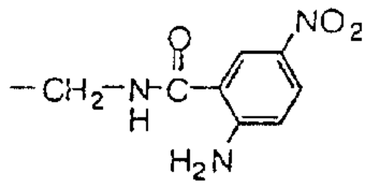
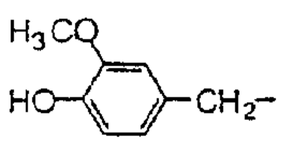
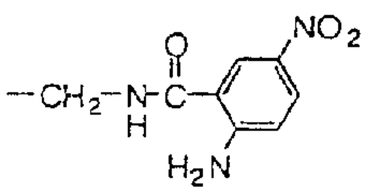
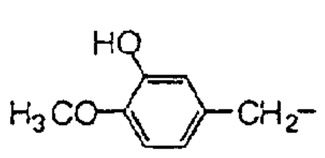
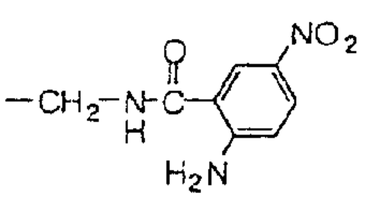
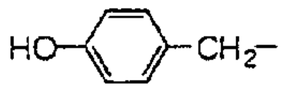
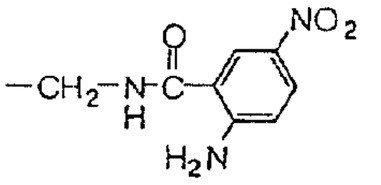
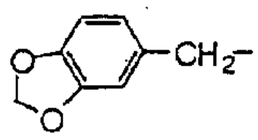
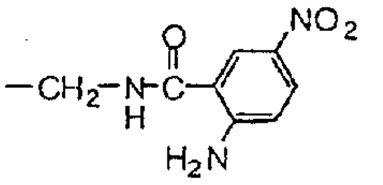
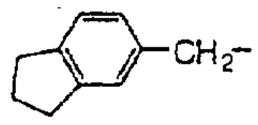
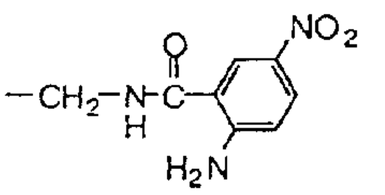
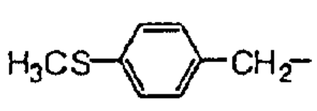
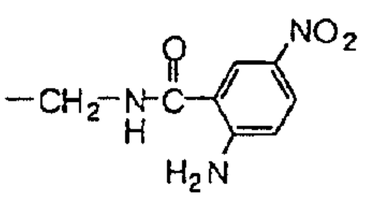
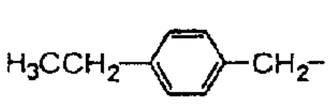
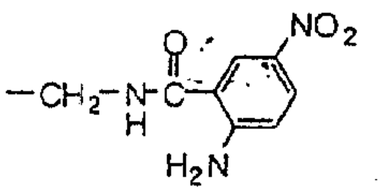
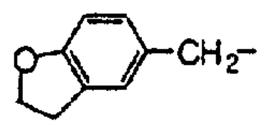
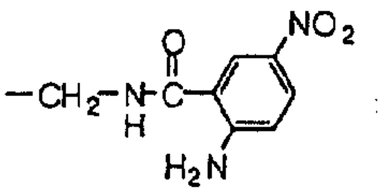
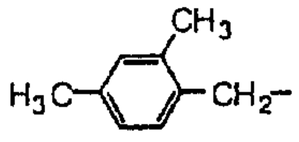
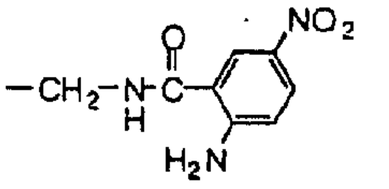
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1882 |  | 1 | 2 | 0 | R | H |  |
| 1883 |  | 1 | 2 | 0 | R | H |  |
| 1884 |  | 1 | 2 | 0 | R | H |  |
| 1885 |  | 1 | 2 | 0 | R | H |  |
| 1886 |  | 1 | 2 | 0 | R | H |  |
| 1887 |  | 1 | 2 | 0 | R | H |  |
| 1888 |  | 1 | 2 | 0 | R | H |  |
| 1889 |  | 1 | 2 | 0 | R | H |  |
| 1890 |  | 1 | 2 | 0 | R | H |  |
| 1891 |  | 1 | 2 | 0 | R | H |  |
| 1892 |  | 1 | 2 | 0 | R | H |  |

Table 1.173

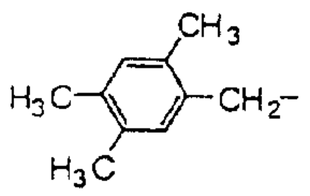
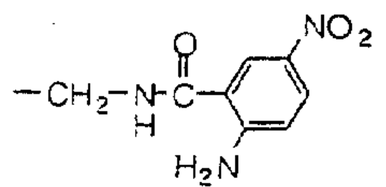
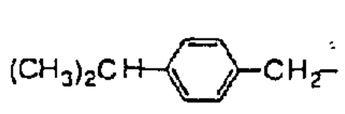
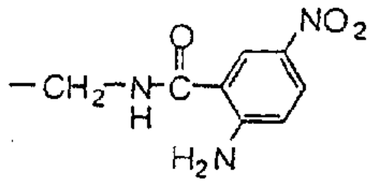
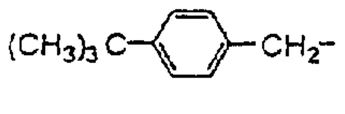
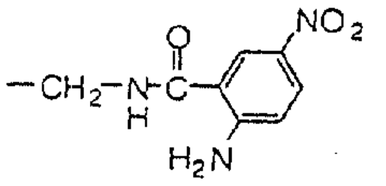
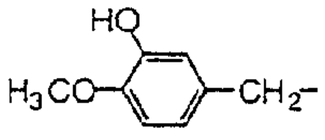
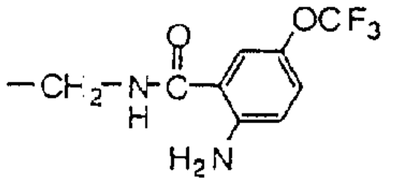
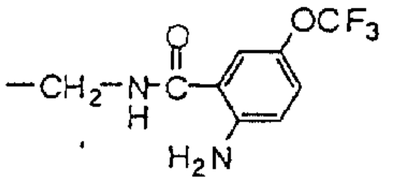
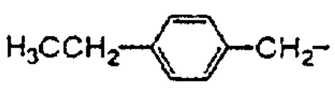
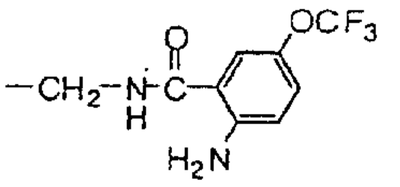
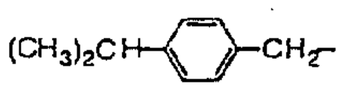
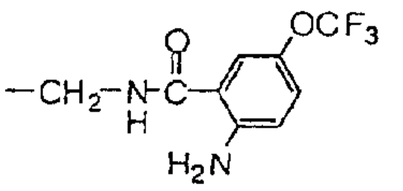
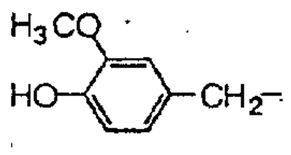
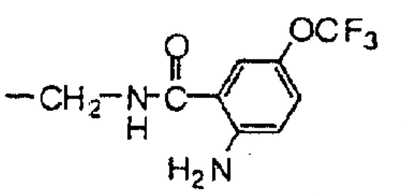
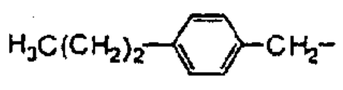
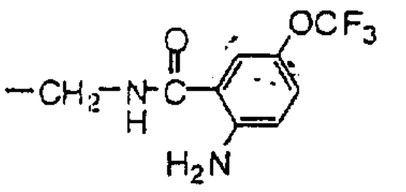
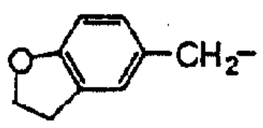
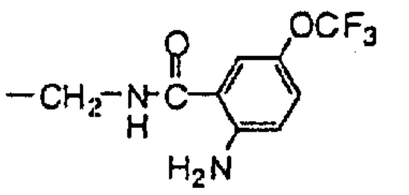
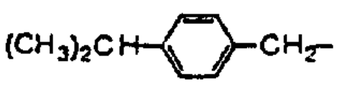
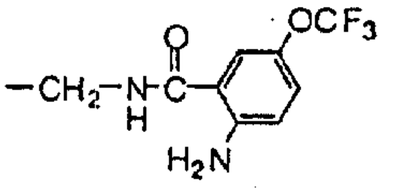
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1893 |  | 1 | 2 | 0 | R | H |  |
| 1894 |  | 1 | 2 | 0 | R | H |  |
| 1895 |  | 1 | 2 | 0 | R | H |  |
| 1896 |  | 1 | 2 | 0 | R | H |  |
| 1897 |  | 1 | 2 | 0 | R | H |  |
| 1898 |  | 1 | 2 | 0 | R | H |  |
| 1899 |  | 1 | 2 | 0 | R | H |  |
| 1900 |  | 1 | 2 | 0 | R | H |  |
| 1901 |  | 1 | 2 | 0 | R | H |  |
| 1902 |  | 1 | 2 | 0 | R | H |  |
| 1903 |  | 2 | 2 | 1 | - | H |  |

Table 1.174

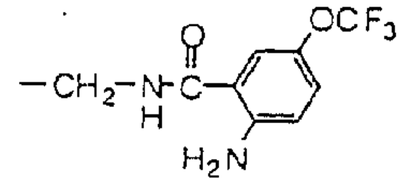
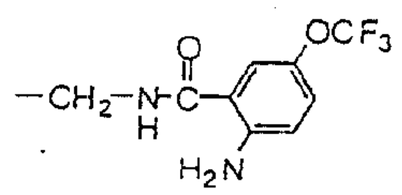
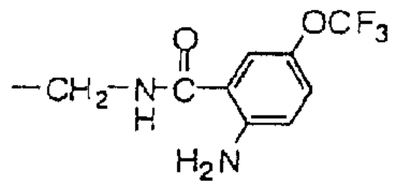
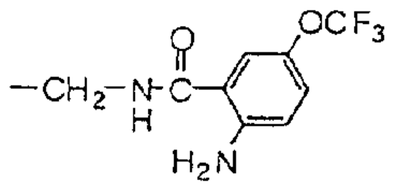
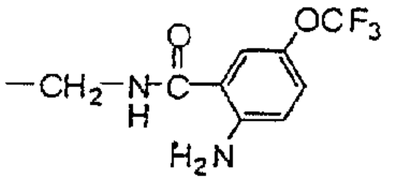
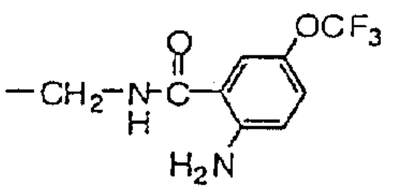
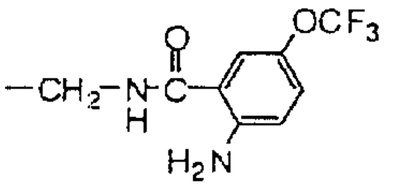
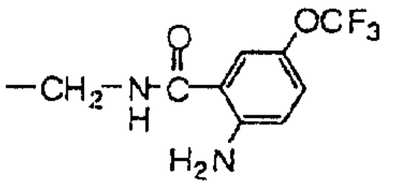
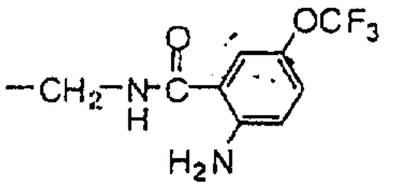
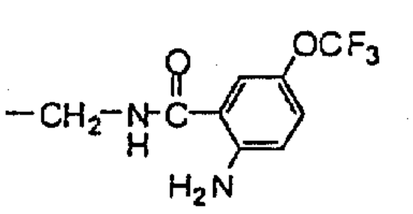
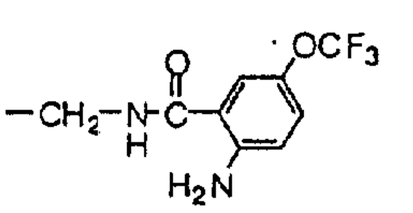
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1904 | $H_3C(CH_2)_2$–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1905 | 2,3-diCl-Ph–$CH_2$– | 1 | 2 | 0 | R | H |  |
| 1906 | 3,4-methylenedioxy-Ph–$CH_2$– | 1 | 2 | 0 | R | H |  |
| 1907 | HO–Ph–$CH_2$– | 1 | 2 | 0 | R | H |  |
| 1908 | $H_3CO$–Ph–$CH_2$– | 1 | 2 | 0 | R | H |  |
| 1909 | $H_2C=CH$–Ph–$CH_2$– | 1 | 2 | 0 | R | H |  |
| 1910 | Br–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1911 | 2,3-diCl-Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1912 | HO–Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1913 | 2,6-diMe-Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |
| 1914 | 3-Me-Ph–$CH_2$– | 2 | 2 | 1 | - | H |  |

**Table 1.175**

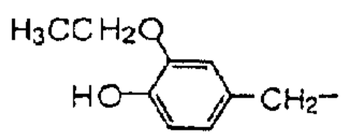
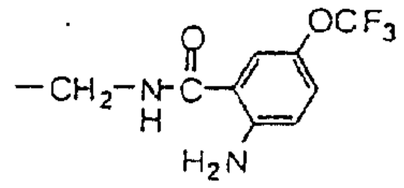
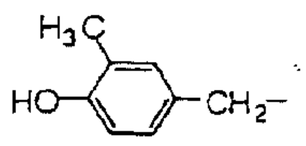
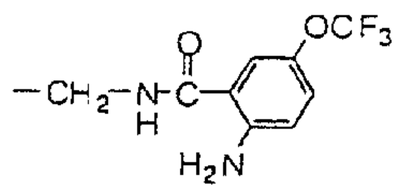
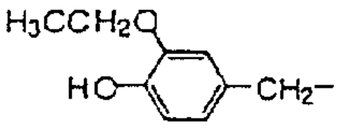
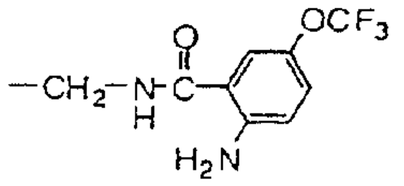
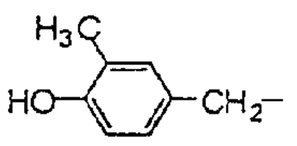
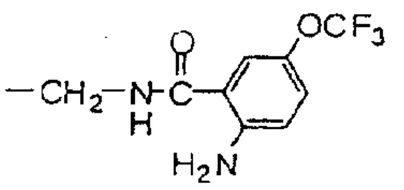
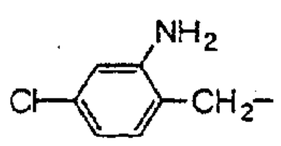
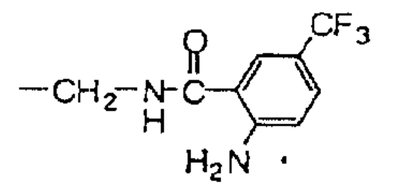
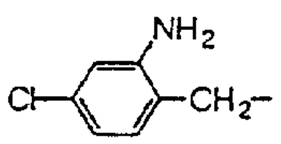
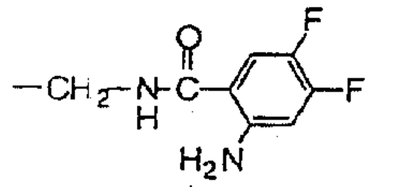
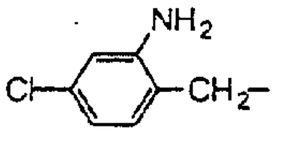
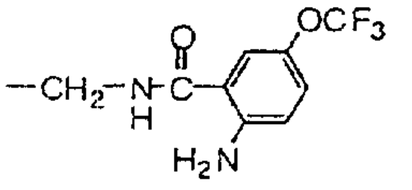
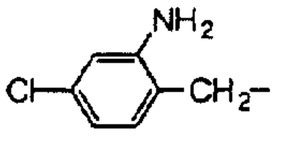
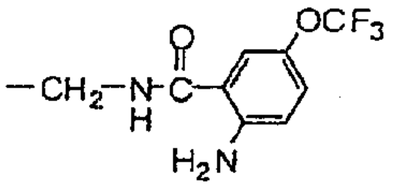
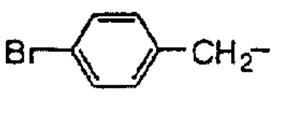
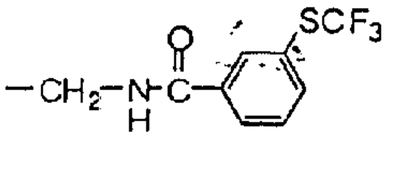
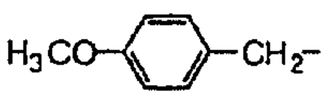
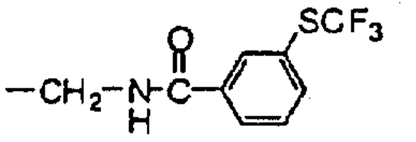
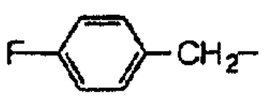
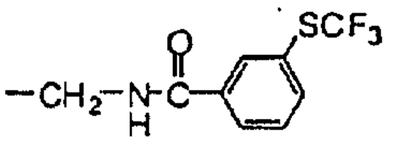
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1915 |  | 1 | 2 | 0 | R | H |  |
| 1916 |  | 1 | 2 | 0 | R | H |  |
| 1917 |  | 2 | 2 | 1 | - | H |  |
| 1918 |  | 2 | 2 | 1 | - | H |  |
| 1919 |  | 2 | 2 | 1 | - | H |  |
| 1920 |  | 2 | 2 | 1 | - | H |  |
| 1921 |  | 1 | 2 | 0 | R | H |  |
| 1922 |  | 2 | 2 | 1 | - | H |  |
| 1923 |  | 2 | 2 | 1 | - | H |  |
| 1924 |  | 2 | 2 | 1 | - | H |  |
| 1925 |  | 2 | 2 | 1 | - | H |  |

Table 1.176

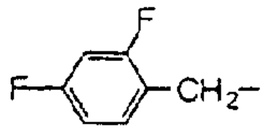
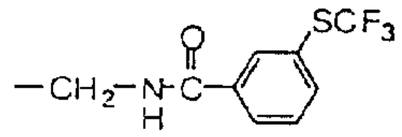
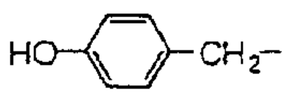
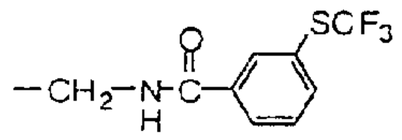
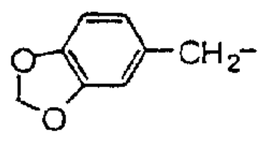
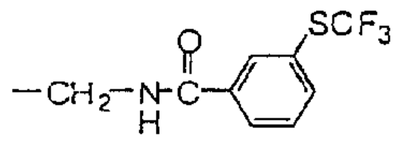
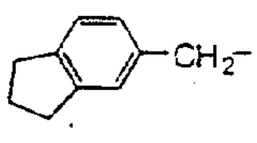
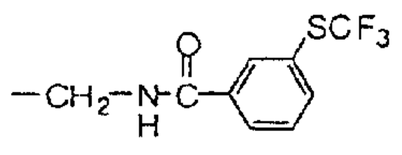
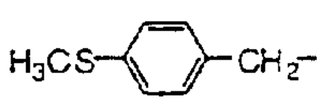
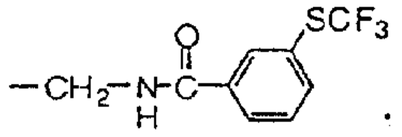
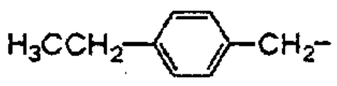
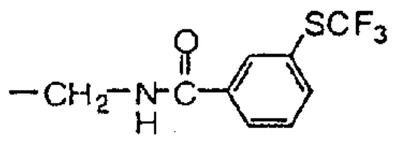
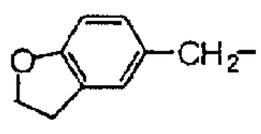
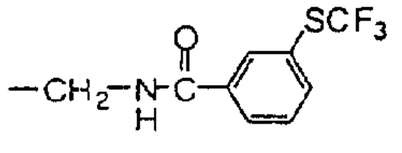
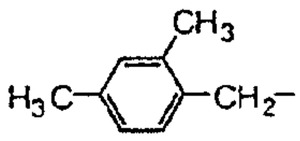
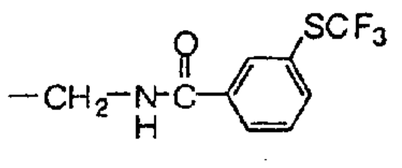
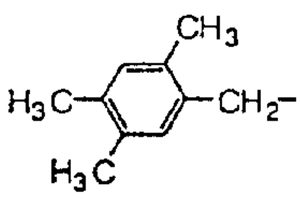
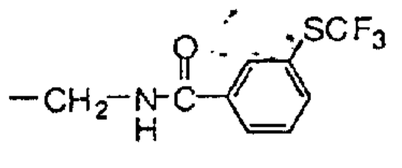
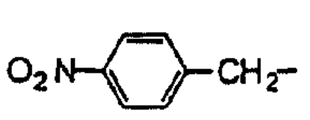
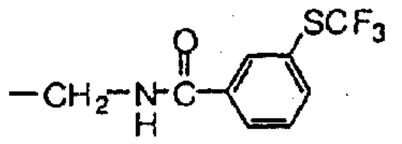
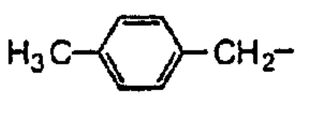
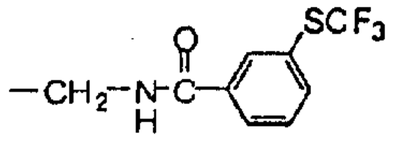
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1926 |  | 2 | 2 | 1 | - | H |  |
| 1927 |  | 2 | 2 | 1 | - | H |  |
| 1928 |  | 2 | 2 | 1 | - | H |  |
| 1929 |  | 2 | 2 | 1 | - | H |  |
| 1930 |  | 2 | 2 | 1 | - | H |  |
| 1931 |  | 2 | 2 | 1 | - | H |  |
| 1932 |  | 2 | 2 | 1 | - | H |  |
| 1933 |  | 2 | 2 | 1 | - | H |  |
| 1934 |  | 2 | 2 | 1 | - | H |  |
| 1935 |  | 2 | 2 | 1 | - | H |  |
| 1936 |  | 2 | 2 | 1 | - | H |  |

Table 1.177

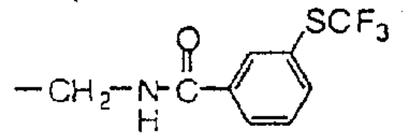
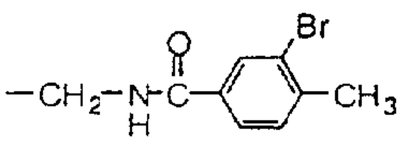
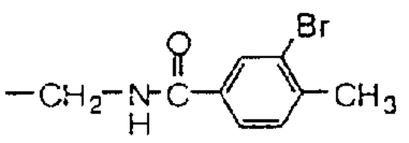
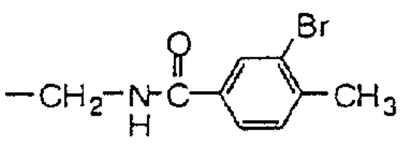
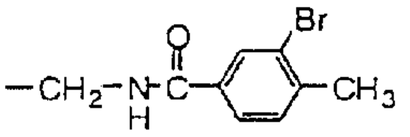
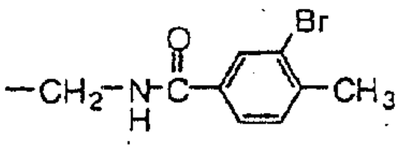
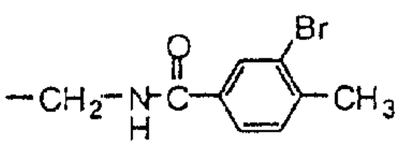
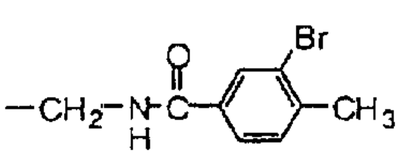
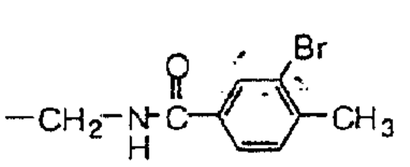
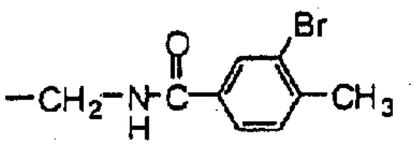
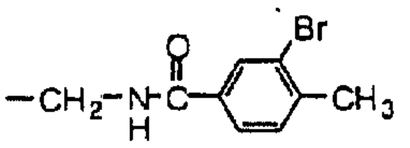
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1937 | $(CH_3)_2CH$, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1938 | Br, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1939 | $H_3CO$, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1940 | F, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1941 | F, F, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1942 | HO, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1943 | O, O, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1944 | $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1945 | $H_3CS$, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1946 | $H_3CCH_2$, $CH_2$ | 2 | 2 | 1 | - | H |  |
| 1947 | O, $CH_2$ | 2 | 2 | 1 | - | H |  |

Table 1.178

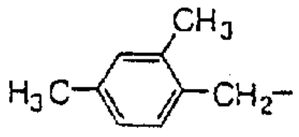
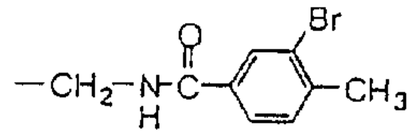
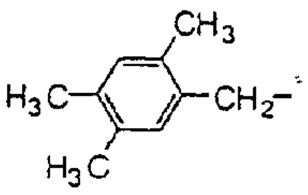
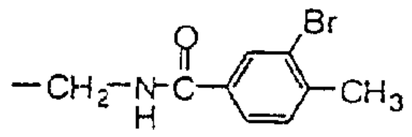
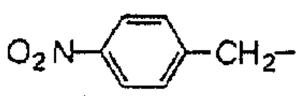
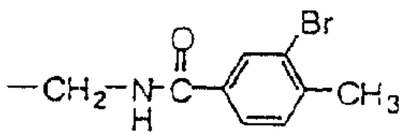
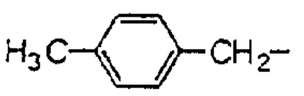
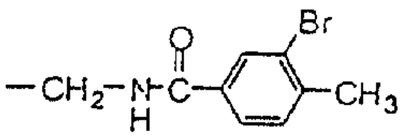
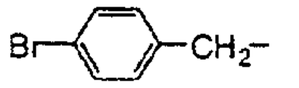
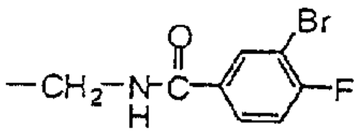
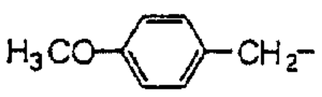
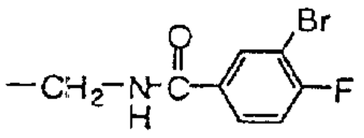
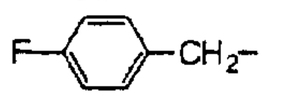
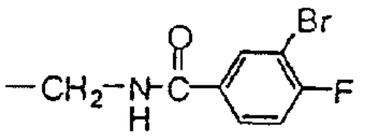
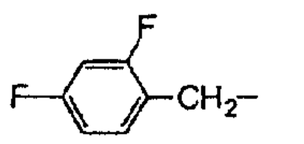
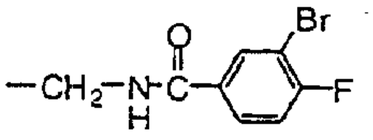
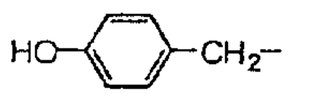
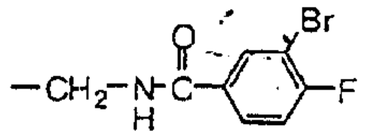
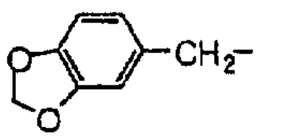
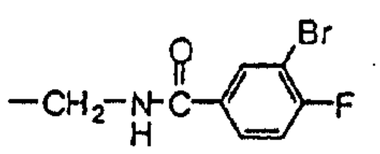
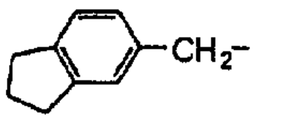
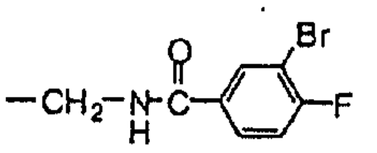
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1948 |  | 2 | 2 | 1 | - | H |  |
| 1949 |  | 2 | 2 | 1 | - | H |  |
| 1950 |  | 2 | 2 | 1 | - | H |  |
| 1951 |  | 2 | 2 | 1 | - | H |  |
| 1952 |  | 2 | 2 | 1 | - | H |  |
| 1953 |  | 2 | 2 | 1 | - | H |  |
| 1954 |  | 2 | 2 | 1 | - | H |  |
| 1955 |  | 2 | 2 | 1 | - | H |  |
| 1956 |  | 2 | 2 | 1 | - | H |  |
| 1957 |  | 2 | 2 | 1 | - | H |  |
| 1958 |  | 2 | 2 | 1 | - | H |  |

Table 1.179

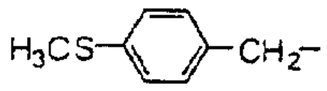
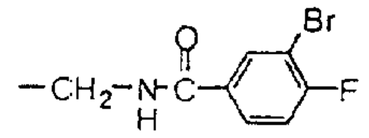
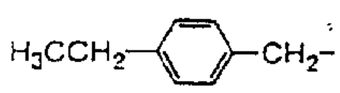
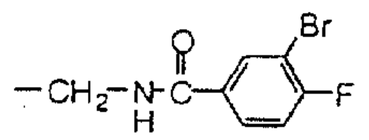
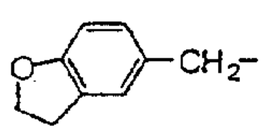
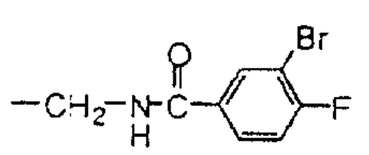
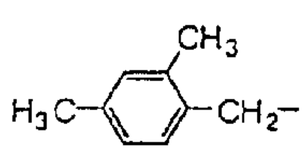
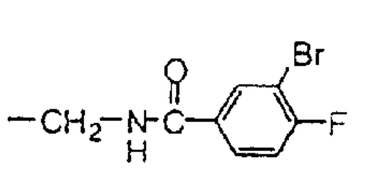
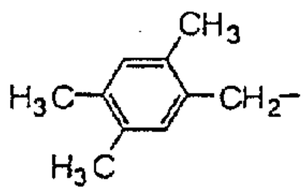
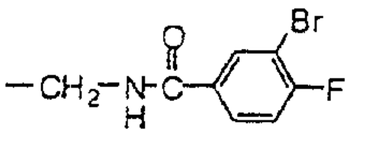
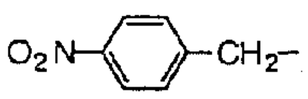
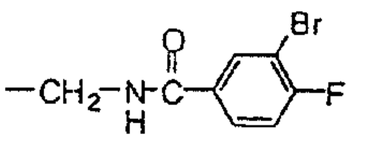
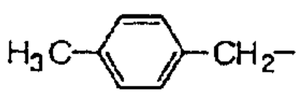
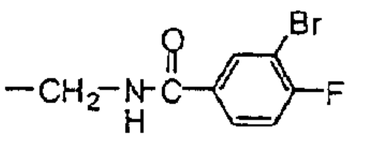
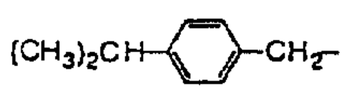
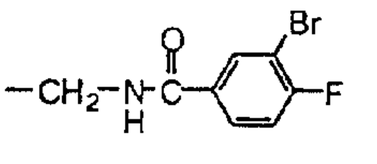
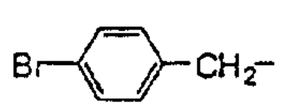
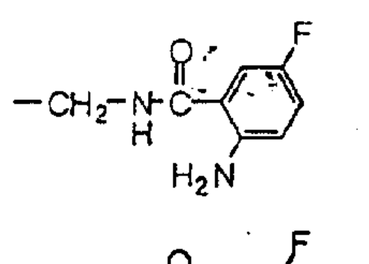
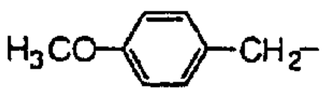
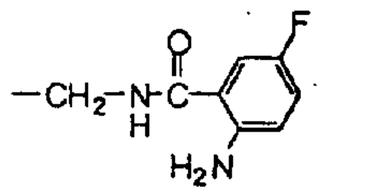
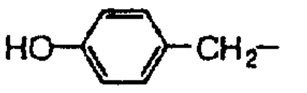
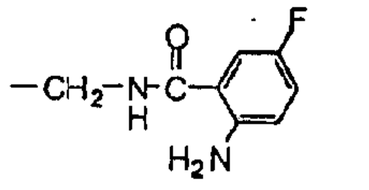
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1959 |  | 2 | 2 | 1 | - | H |  |
| 1960 |  | 2 | 2 | 1 | - | H |  |
| 1961 |  | 2 | 2 | 1 | - | H |  |
| 1962 |  | 2 | 2 | 1 | - | H |  |
| 1963 |  | 2 | 2 | 1 | - | H |  |
| 1964 |  | 2 | 2 | 1 | - | H |  |
| 1965 |  | 2 | 2 | 1 | - | H |  |
| 1966 |  | 2 | 2 | 1 | - | H |  |
| 1967 |  | 2 | 2 | 1 | - | H |  |
| 1968 |  | 2 | 2 | 1 | - | H |  |
| 1969 |  | 2 | 2 | 1 | - | H |  |

Table 1.180

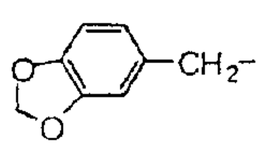
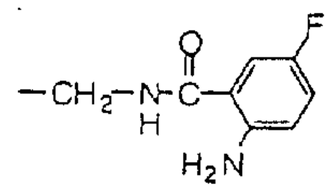
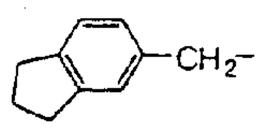
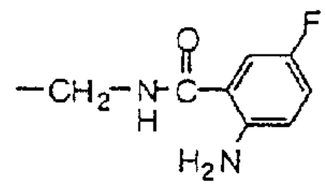
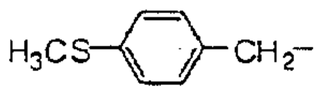
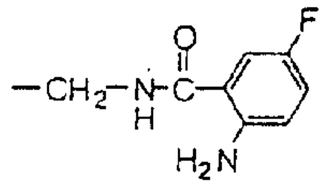
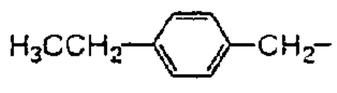
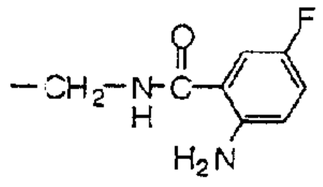
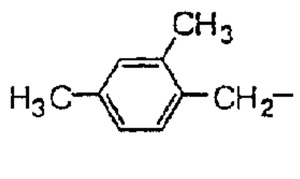
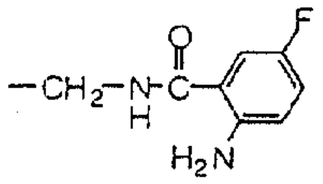
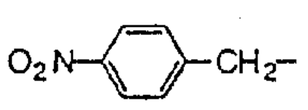
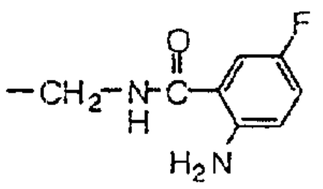
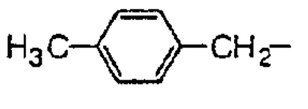
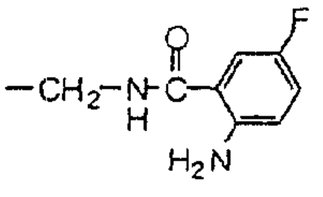
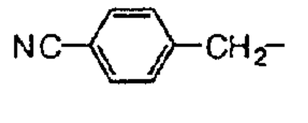
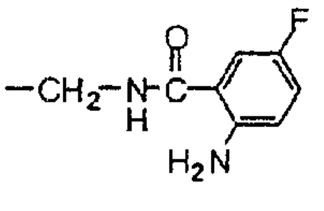
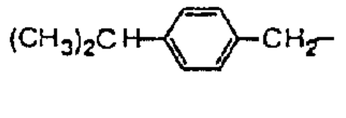
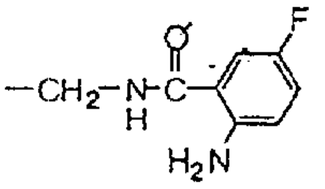
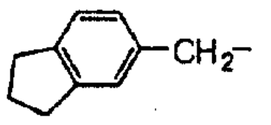
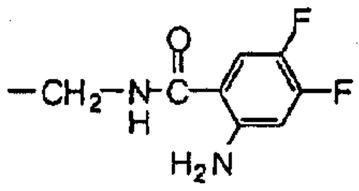
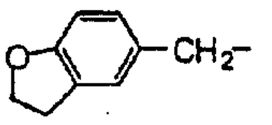
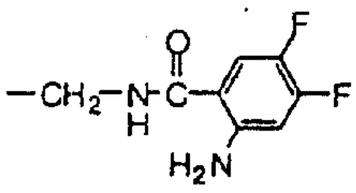
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1970 |  | 2 | 2 | 1 | - | H |  |
| 1971 |  | 2 | 2 | 1 | - | H |  |
| 1972 |  | 2 | 2 | 1 | - | H |  |
| 1973 |  | 2 | 2 | 1 | - | H |  |
| 1974 |  | 2 | 2 | 1 | - | H |  |
| 1975 |  | 2 | 2 | 1 | - | H |  |
| 1976 |  | 2 | 2 | 1 | - | H |  |
| 1977 |  | 2 | 2 | 1 | - | H |  |
| 1978 |  | 2 | 2 | 1 | - | H |  |
| 1979 |  | 2 | 2 | 1 | - | H |  |
| 1980 |  | 2 | 2 | 1 | - | H |  |

Table 1.181

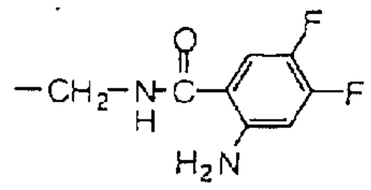
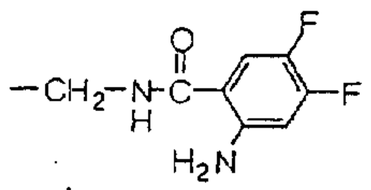
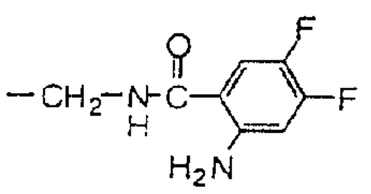
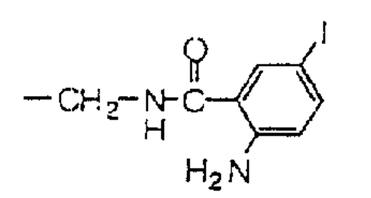
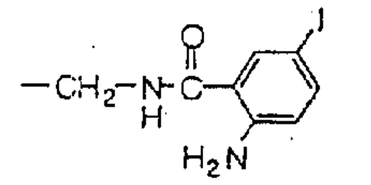
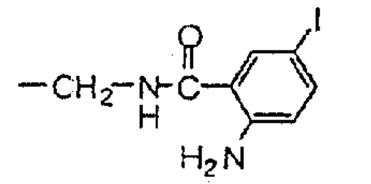
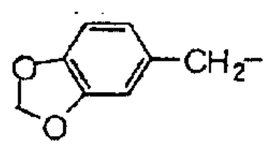
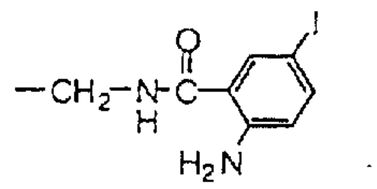
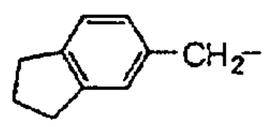
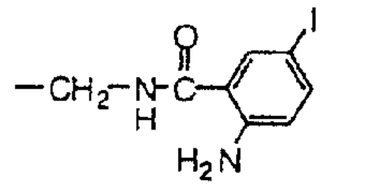
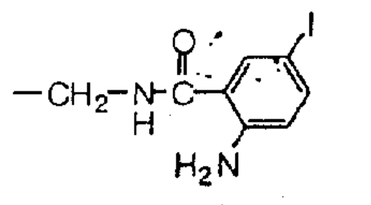
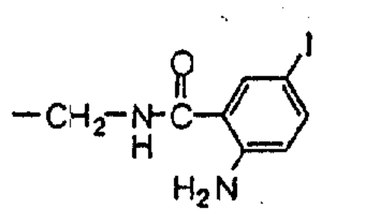
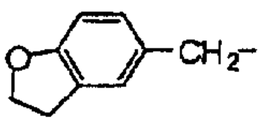
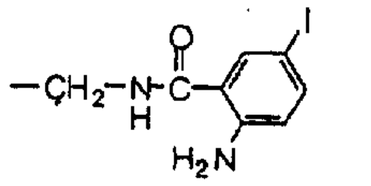
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1981 | $O_2N$-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1982 | NC-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1983 | $(CH_3)_2CH$-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1984 | Br-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1985 | $H_3CO$-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1986 | HO-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1987 |  | 2 | 2 | 1 | - | H |  |
| 1988 |  | 2 | 2 | 1 | - | H |  |
| 1989 | $H_3CS$-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1990 | $H_3CCH_2$-Ph-$CH_2$- | 2 | 2 | 1 | - | H |  |
| 1991 |  | 2 | 2 | 1 | - | H |  |

Table 1.182

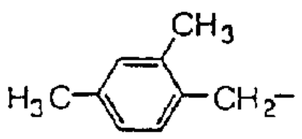
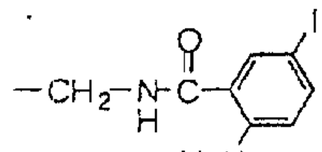
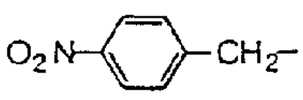
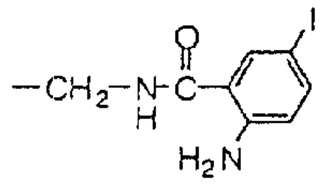
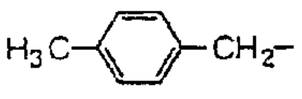
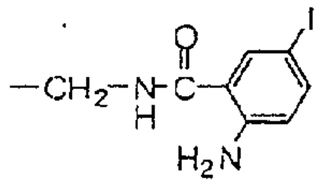
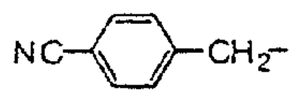
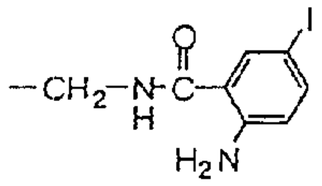
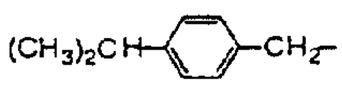
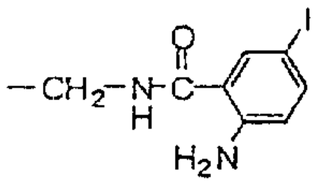
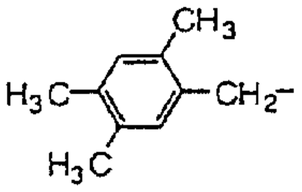
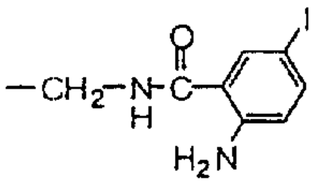
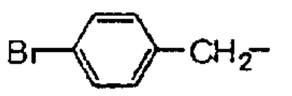
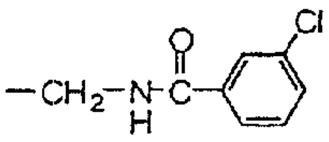
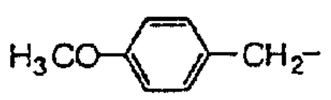
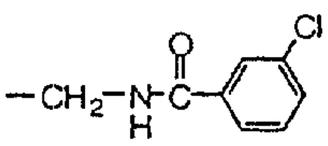
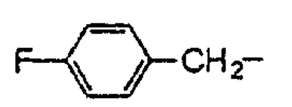
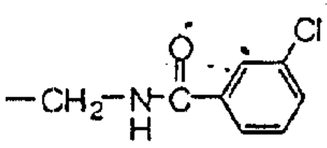
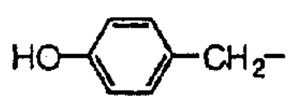
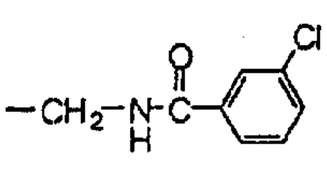
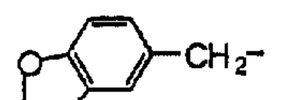
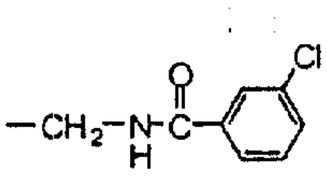
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 1992 |  | 2 | 2 | 1 | - | H |  |
| 1993 |  | 2 | 2 | 1 | - | H |  |
| 1994 |  | 2 | 2 | 1 | - | H |  |
| 1995 |  | 2 | 2 | 1 | - | H |  |
| 1996 |  | 2 | 2 | 1 | - | H |  |
| 1997 |  | 2 | 2 | 1 | - | H |  |
| 1998 |  | 2 | 2 | 1 | - | H |  |
| 1999 |  | 2 | 2 | 1 | - | H |  |
| 2000 |  | 2 | 2 | 1 | - | H |  |
| 2001 |  | 2 | 2 | 1 | - | H |  |
| 2002 |  | 2 | 2 | 1 | - | H |  |

Table 1.183

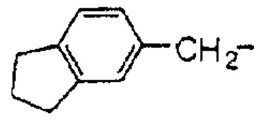
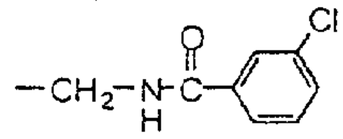
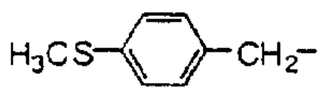
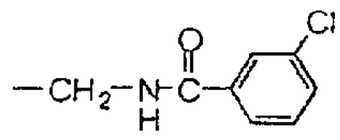
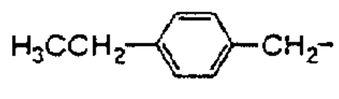
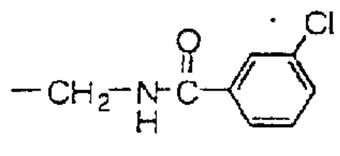
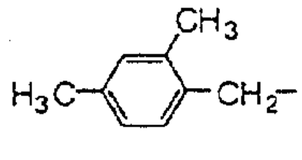
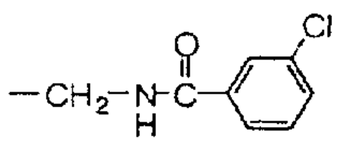
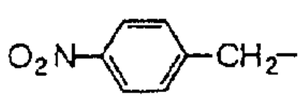
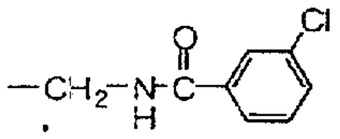
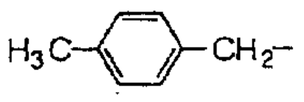
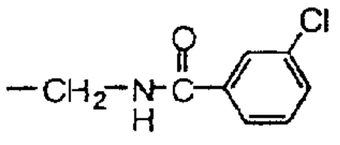
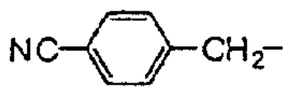
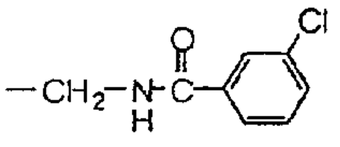
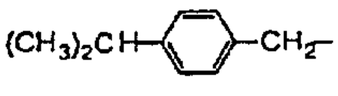
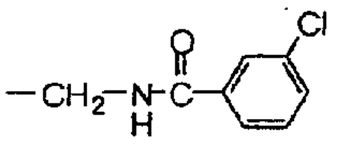
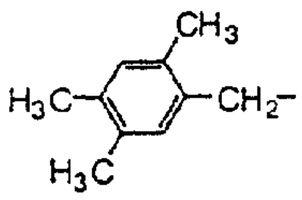
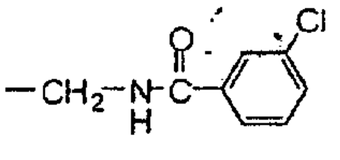
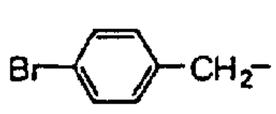
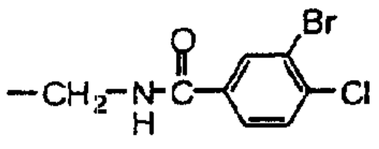
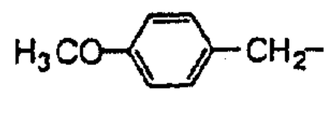
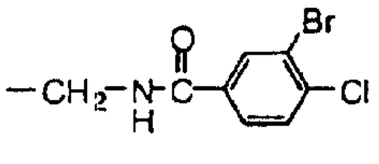
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2003 |  | 2 | 2 | 1 | - | H |  |
| 2004 |  | 2 | 2 | 1 | - | H |  |
| 2005 |  | 2 | 2 | 1 | - | H |  |
| 2006 |  | 2 | 2 | 1 | - | H |  |
| 2007 |  | 2 | 2 | 1 | - | H |  |
| 2008 |  | 2 | 2 | 1 | - | H |  |
| 2009 |  | 2 | 2 | 1 | - | H |  |
| 2010 |  | 2 | 2 | 1 | - | H |  |
| 2011 |  | 2 | 2 | 1 | - | H |  |
| 2012 |  | 2 | 2 | 1 | - | H |  |
| 2013 |  | 2 | 2 | 1 | - | H |  |

Table 1.184

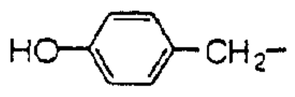
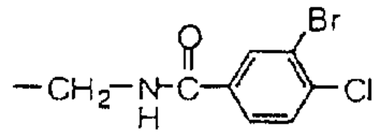
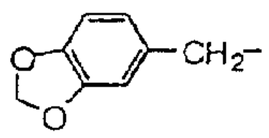
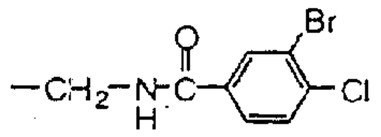
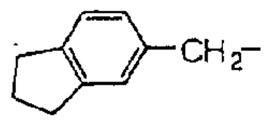
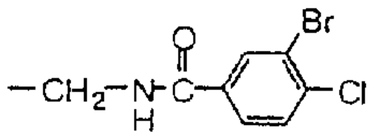
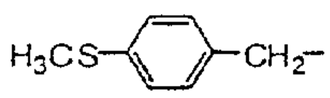
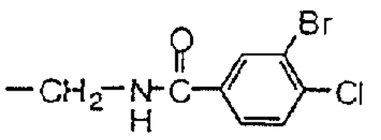
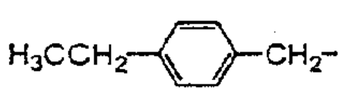
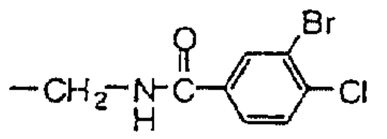
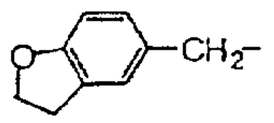
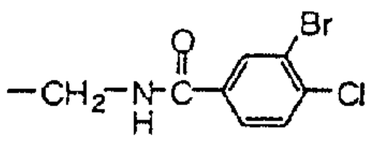
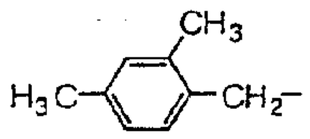
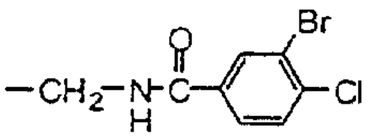
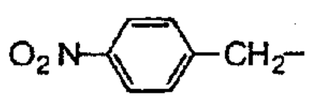
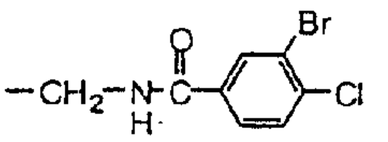
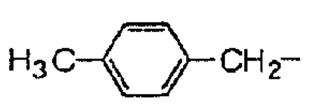
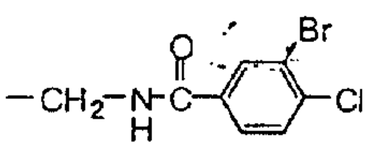
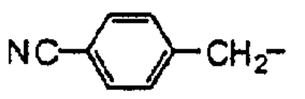
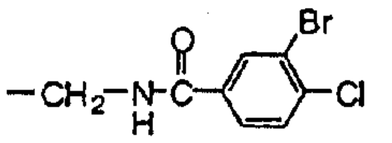
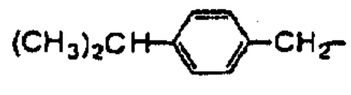
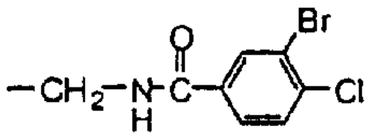
| Compd. No. | $R^1$, $R^2$, $-(CH_2)_j-$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2014 |  | 2 | 2 | 1 | - | H |  |
| 2015 |  | 2 | 2 | 1 | - | H |  |
| 2016 |  | 2 | 2 | 1 | - | H |  |
| 2017 |  | 2 | 2 | 1 | - | H |  |
| 2018 |  | 2 | 2 | 1 | - | H |  |
| 2019 |  | 2 | 2 | 1 | - | H |  |
| 2020 |  | 2 | 2 | 1 | - | H |  |
| 2021 |  | 2 | 2 | 1 | - | H |  |
| 2022 |  | 2 | 2 | 1 | - | H |  |
| 2023 |  | 2 | 2 | 1 | - | H |  |
| 2024 |  | 2 | 2 | 1 | - | H |  |

**Table 1.185**

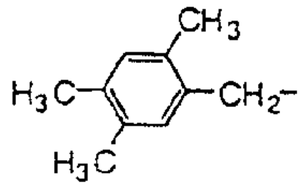
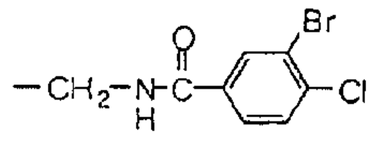
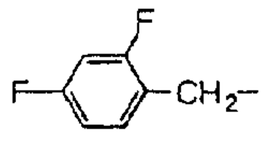
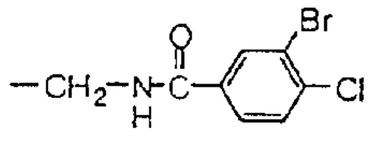
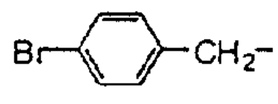
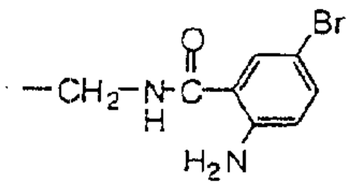
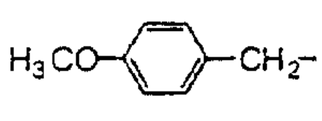
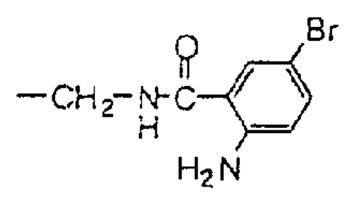
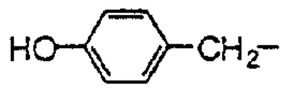
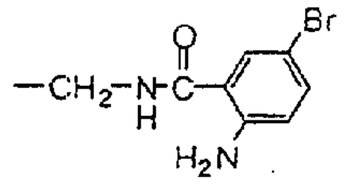
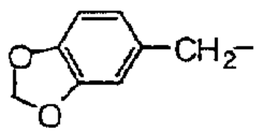
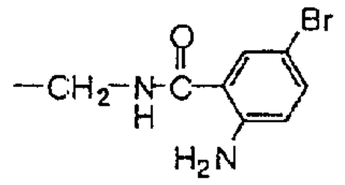
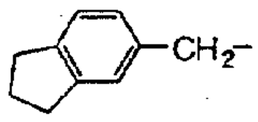
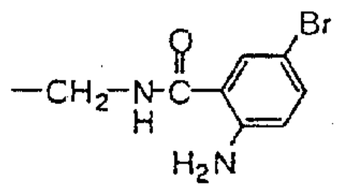
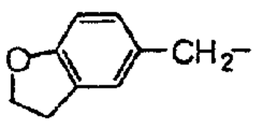
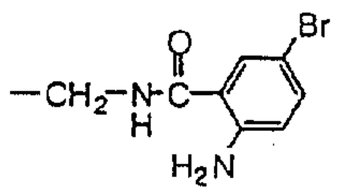
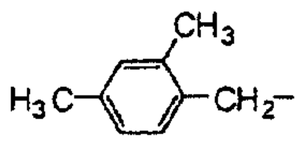
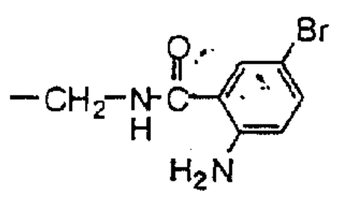
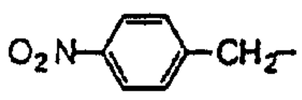
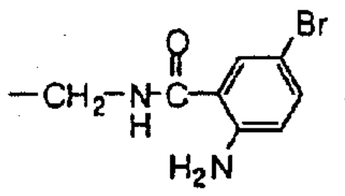
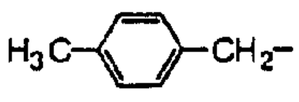
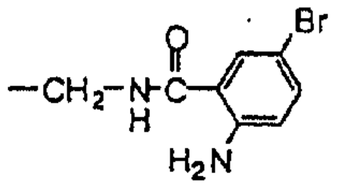
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2025 |  | 2 | 2 | 1 | - | H |  |
| 2026 |  | 2 | 2 | 1 | - | H |  |
| 2027 |  | 2 | 2 | 1 | - | H |  |
| 2028 |  | 2 | 2 | 1 | - | H |  |
| 2029 |  | 2 | 2 | 1 | - | H |  |
| 2030 |  | 2 | 2 | 1 | - | H |  |
| 2031 |  | 2 | 2 | 1 | - | H |  |
| 2032 |  | 2 | 2 | 1 | - | H |  |
| 2033 |  | 2 | 2 | 1 | - | H |  |
| 2034 |  | 2 | 2 | 1 | - | H |  |
| 2035 |  | 2 | 2 | 1 | - | H |  |

Table 1.186

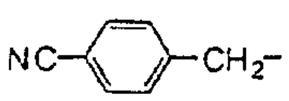
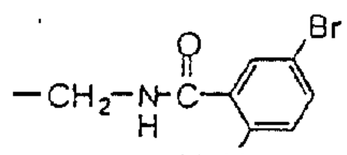
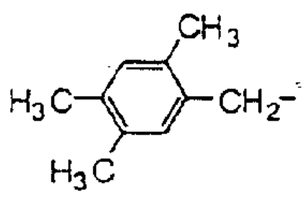
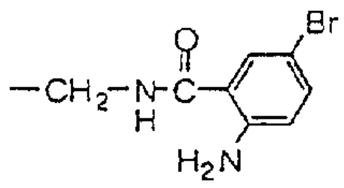
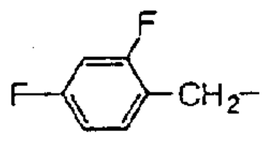
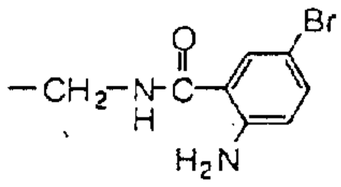
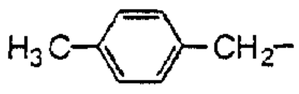
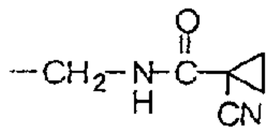
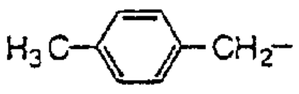
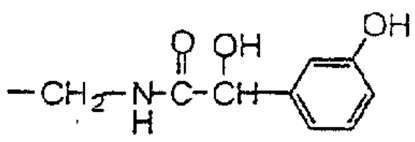
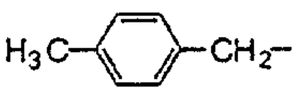
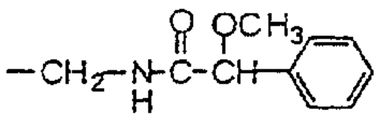
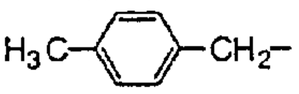
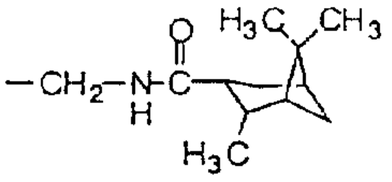
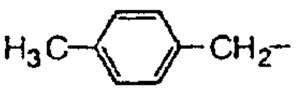
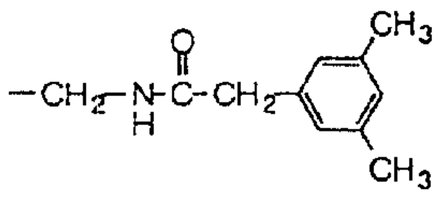
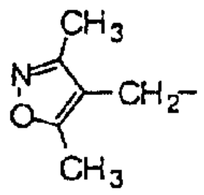
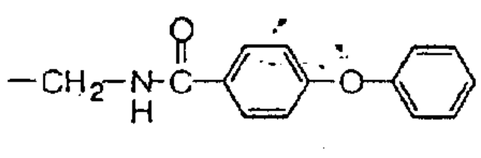
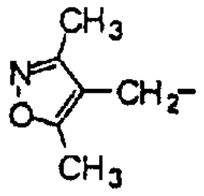
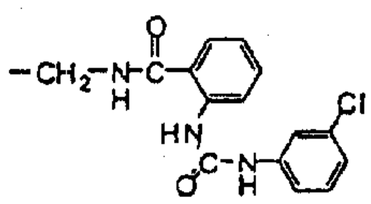
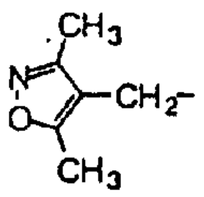
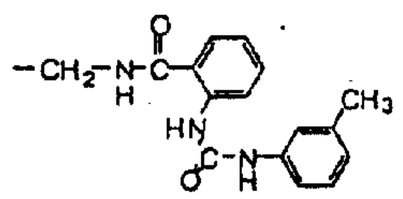
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2036 |  | 2 | 2 | 1 | - | H |  |
| 2037 |  | 2 | 2 | 1 | - | H |  |
| 2038 |  | 2 | 2 | 1 | - | H |  |
| 2039 |  | 2 | 2 | 1 | - | H |  |
| 2040 |  | 1 | 2 | 0 | R | H |  |
| 2041 |  | 1 | 2 | 0 | R | H |  |
| 2042 |  | 1 | 2 | 0 | R | H |  |
| 2043 |  | 1 | 2 | 0 | R | H |  |
| 2044 |  | 1 | 2 | 0 | R | H |  |
| 2045 |  | 1 | 2 | 0 | R | H |  |
| 2046 |  | 1 | 2 | 0 | R | H |  |

Table 1.187

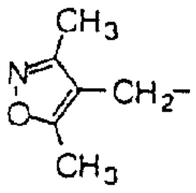
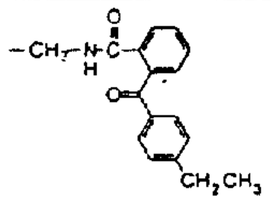
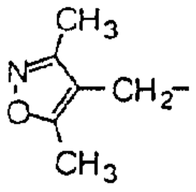
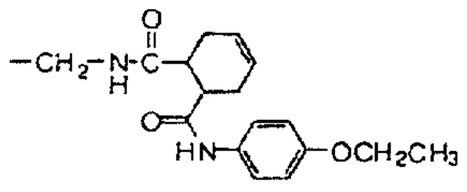
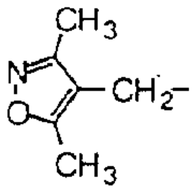
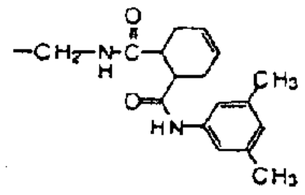
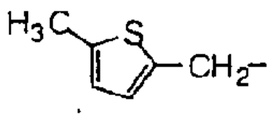
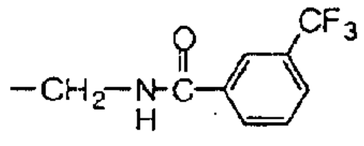
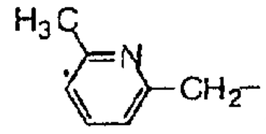
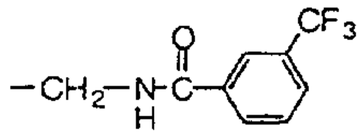
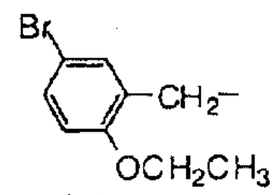
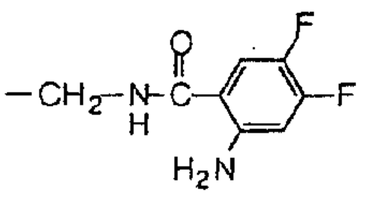
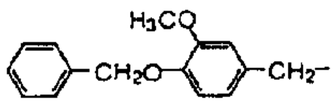
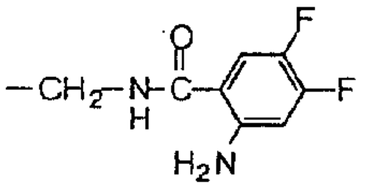
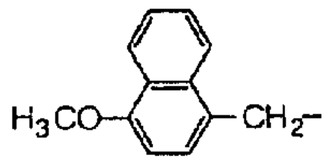
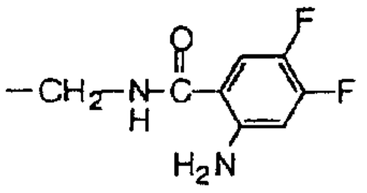
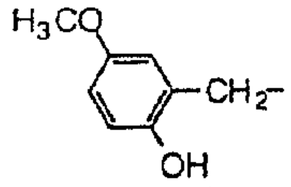
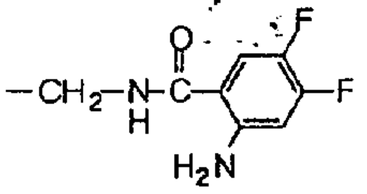
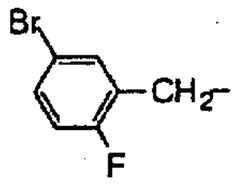
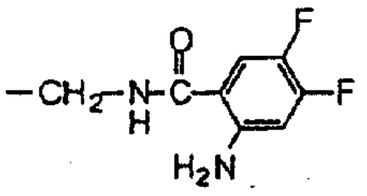
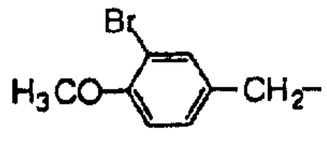
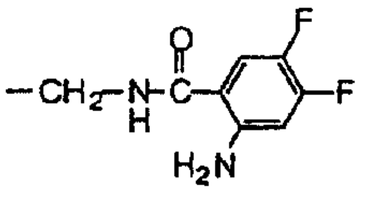
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2047 |  | 1 | 2 | 0 | R | H |  |
| 2048 |  | 1 | 2 | 0 | R | H |  |
| 2049 |  | 1 | 2 | 0 | R | H |  |
| 2050 |  | 1 | 2 | 0 | R | H |  |
| 2051 |  | 1 | 2 | 0 | R | H |  |
| 2052 |  | 2 | 2 | 1 | - | H |  |
| 2053 |  | 2 | 2 | 1 | - | H |  |
| 2054 |  | 2 | 2 | 1 | - | H |  |
| 2055 |  | 2 | 2 | 1 | - | H |  |
| 2056 |  | 2 | 2 | 1 | - | H |  |
| 2057 |  | 2 | 2 | 1 | - | H |  |

Table 1.188

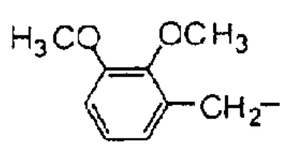
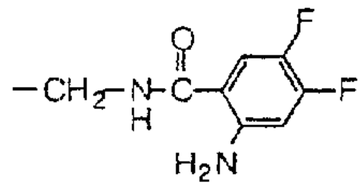
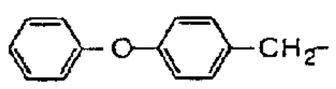
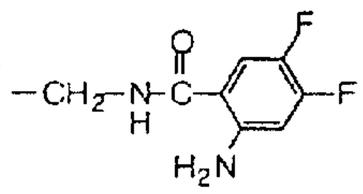
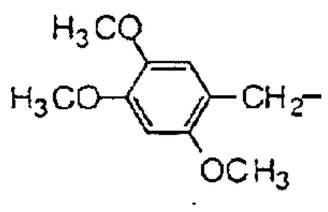
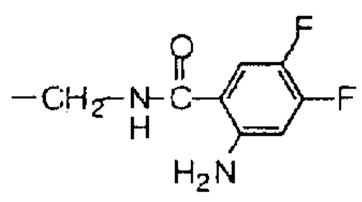
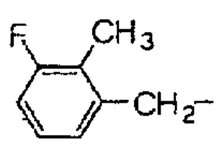
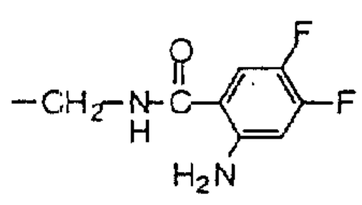
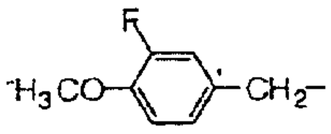
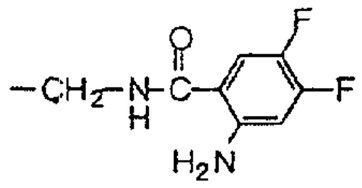
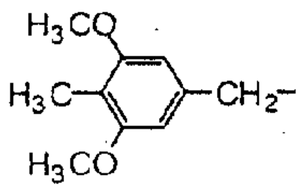
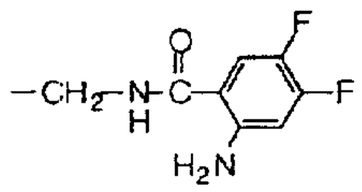
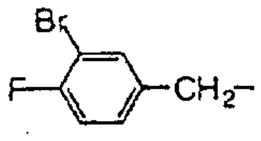
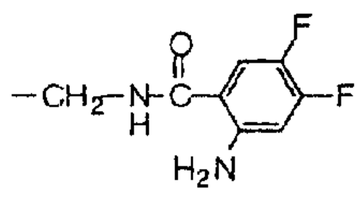
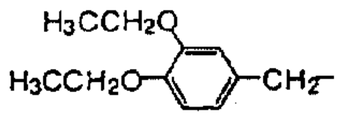
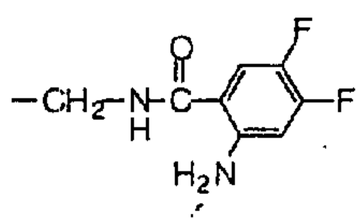
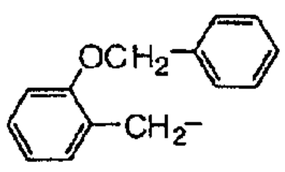
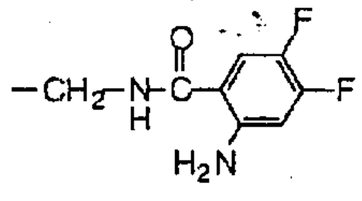
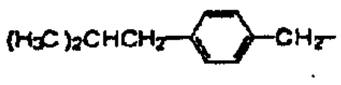
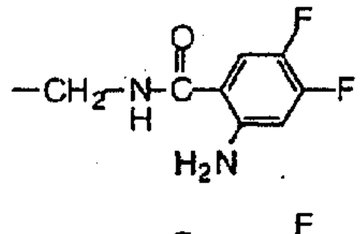
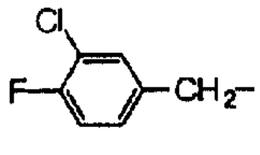
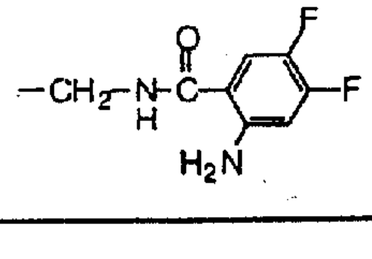
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2058 |  | 2 | 2 | 1 | - | H |  |
| 2059 |  | 2 | 2 | 1 | - | H |  |
| 2060 |  | 2 | 2 | 1 | - | H |  |
| 2061 |  | 2 | 2 | 1 | - | H |  |
| 2062 |  | 2 | 2 | 1 | - | H |  |
| 2063 |  | 2 | 2 | 1 | - | H |  |
| 2064 |  | 2 | 2 | 1 | - | H |  |
| 2065 |  | 2 | 2 | 1 | - | H |  |
| 2066 |  | 2 | 2 | 1 | - | H |  |
| 2067 |  | 2 | 2 | 1 | - | H |  |
| 2068 |  | 2 | 2 | 1 | - | H |  |

Table 1.189

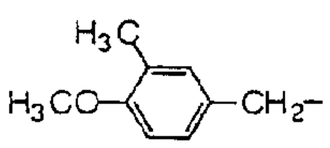
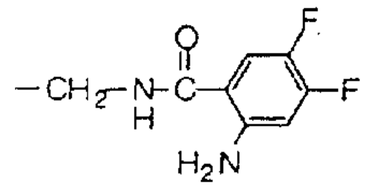
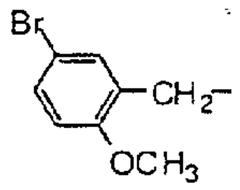
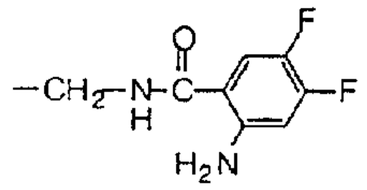
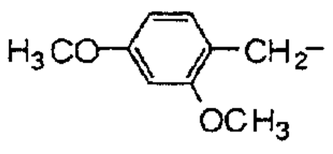
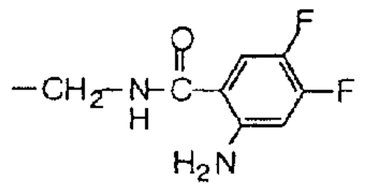
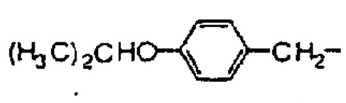
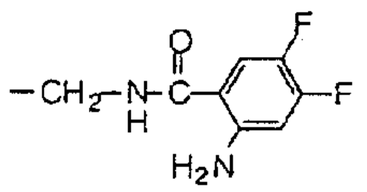
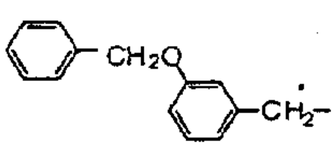
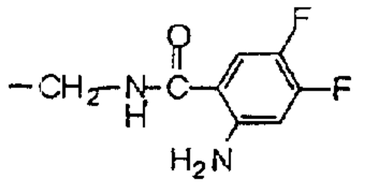
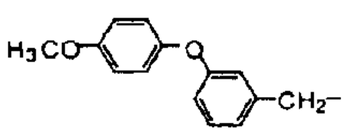
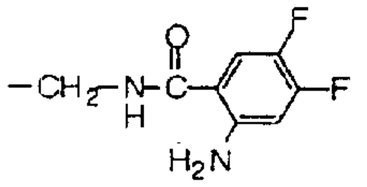
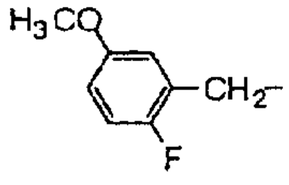
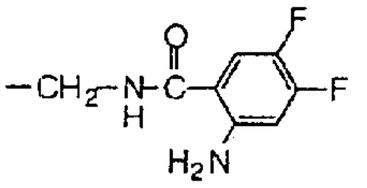
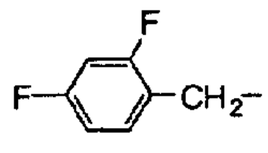
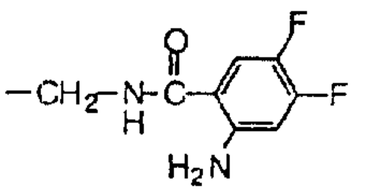
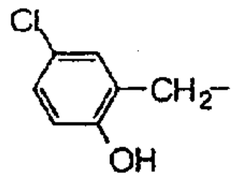
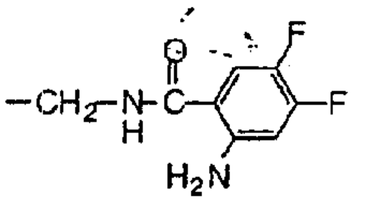
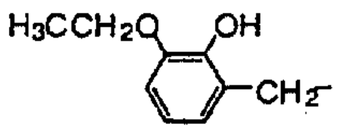
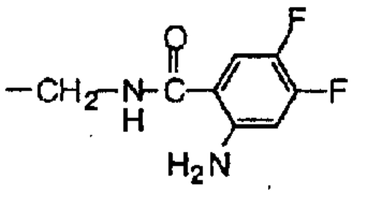
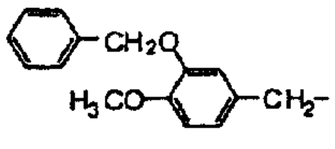
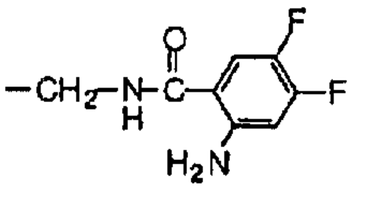
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2069 |  | 2 | 2 | 1 | - | H |  |
| 2070 |  | 2 | 2 | 1 | - | H |  |
| 2071 |  | 2 | 2 | 1 | - | H |  |
| 2072 |  | 2 | 2 | 1 | - | H |  |
| 2073 |  | 2 | 2 | 1 | - | H |  |
| 2074 |  | 2 | 2 | 1 | - | H |  |
| 2075 |  | 2 | 2 | 1 | - | H |  |
| 2076 |  | 2 | 2 | 1 | - | H |  |
| 2077 |  | 2 | 2 | 1 | - | H |  |
| 2078 |  | 2 | 2 | 1 | - | H |  |
| 2079 |  | 2 | 2 | 1 | - | H |  |

**Table 1.190**

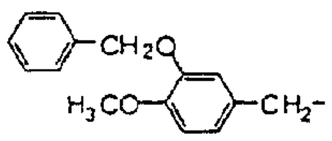
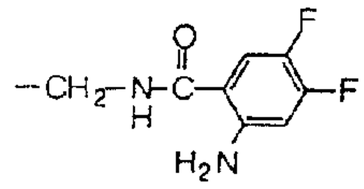
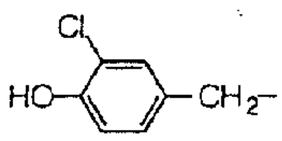
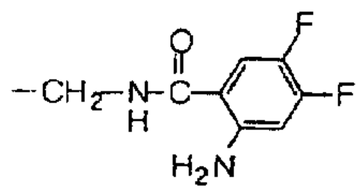
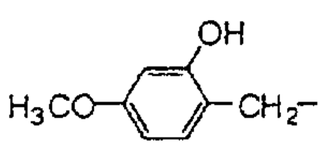
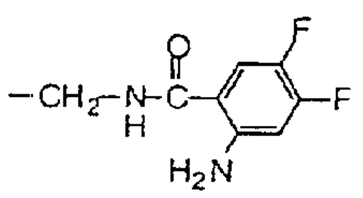
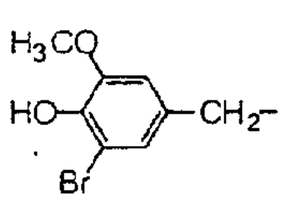
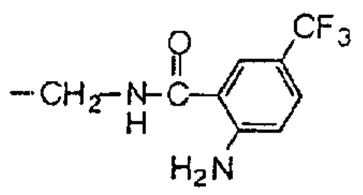
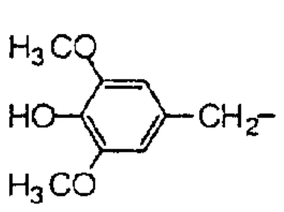
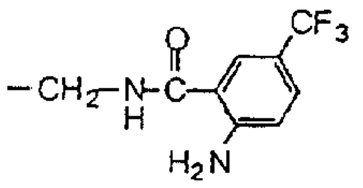
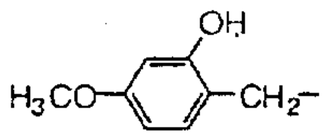
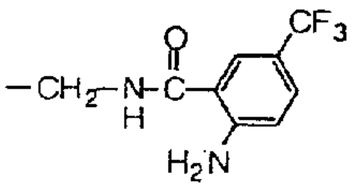
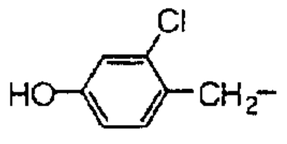
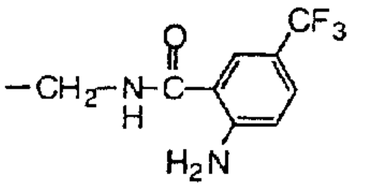
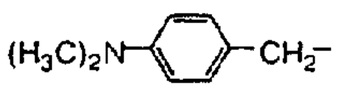
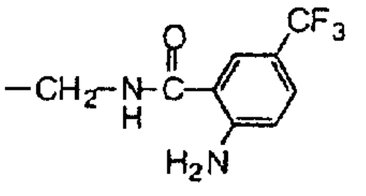
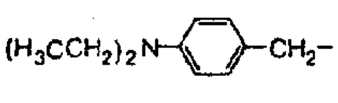
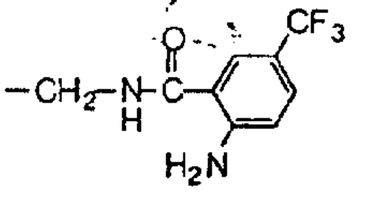
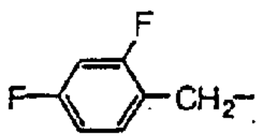
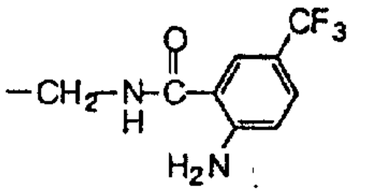
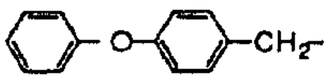
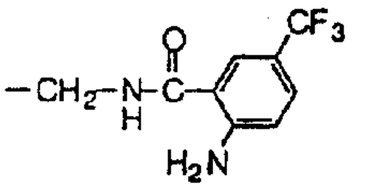
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2080 |  | 2 | 2 | 1 | - | H |  |
| 2081 |  | 2 | 2 | 1 | - | H |  |
| 2082 |  | 2 | 2 | 1 | - | H |  |
| 2083 |  | 1 | 2 | 0 | R | H |  |
| 2084 |  | 1 | 2 | 0 | R | H |  |
| 2085 |  | 1 | 2 | 0 | R | H |  |
| 2086 |  | 1 | 2 | 0 | R | H |  |
| 2087 |  | 1 | 2 | 0 | R | H |  |
| 2088 |  | 1 | 2 | 0 | R | H |  |
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**Table 1.191**

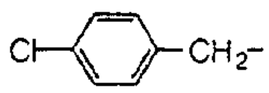
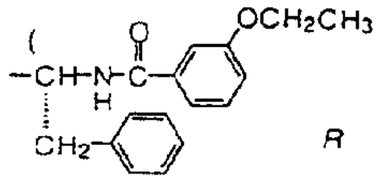
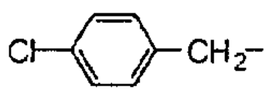
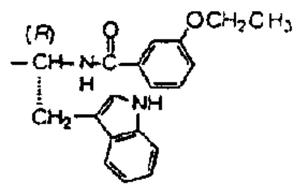
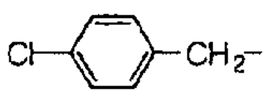
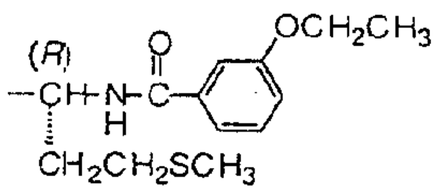
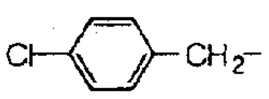
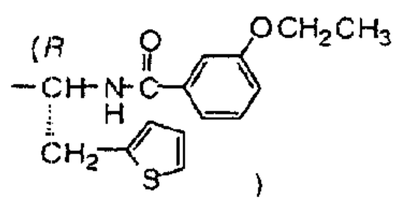
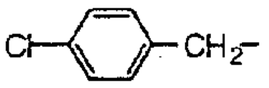
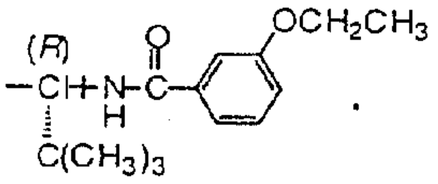
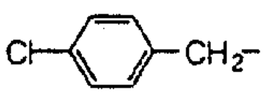
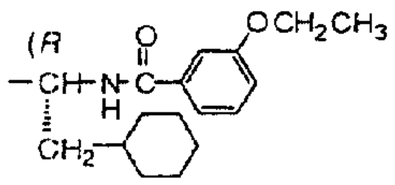
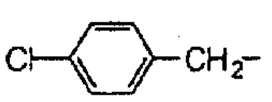
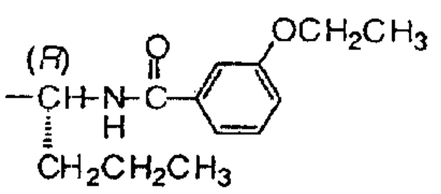
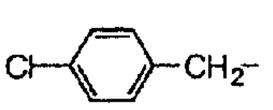
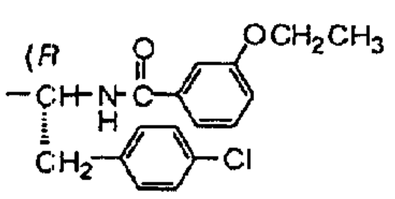
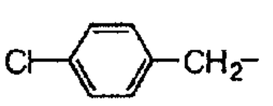
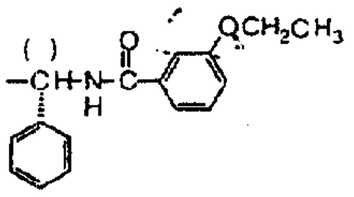
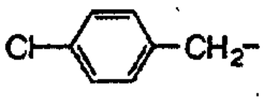
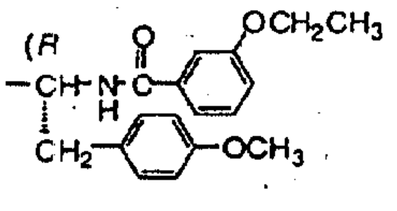
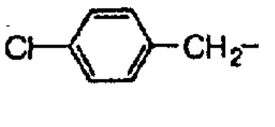
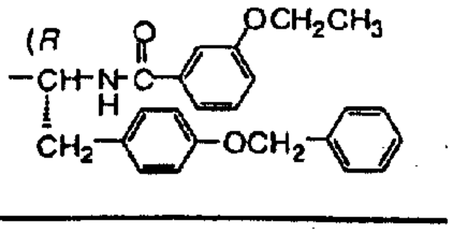
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2091 |  | 2 | 2 | 1 | - | H |  |
| 2092 |  | 2 | 2 | 1 | - | H |  |
| 2093 |  | 2 | 2 | 1 | - | H |  |
| 2094 |  | 2 | 2 | 1 | - | H |  |
| 2095 |  | 2 | 2 | 1 | - | H |  |
| 2096 |  | 2 | 2 | 1 | - | H |  |
| 2097 |  | 2 | 2 | 1 | - | H |  |
| 2098 |  | 2 | 2 | 1 | - | H |  |
| 2099 |  | 2 | 2 | 1 | - | H |  |
| 2100 |  | 2 | 2 | 1 | - | H |  |
| 2101 |  | 2 | 2 | 1 | - | H |  |

**Table 1.192**

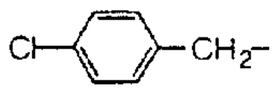
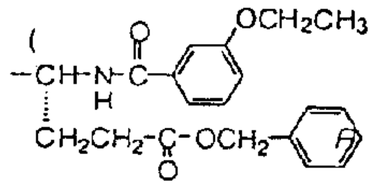
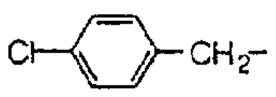
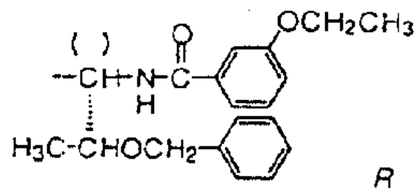
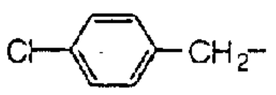
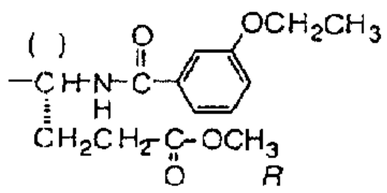
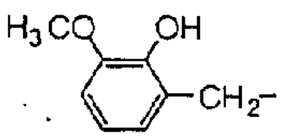
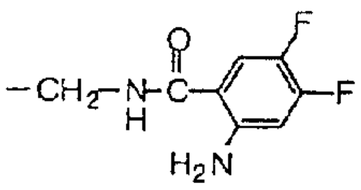
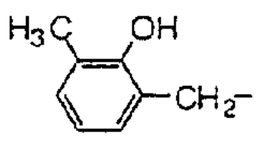
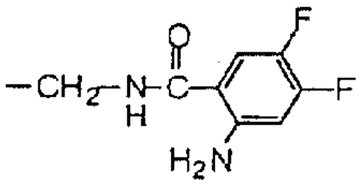
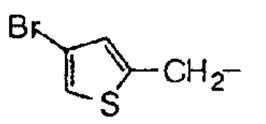
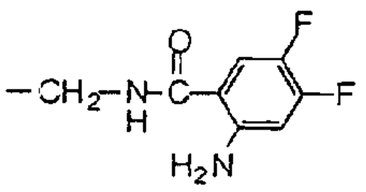
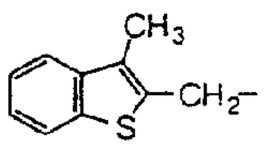
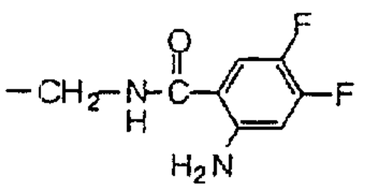
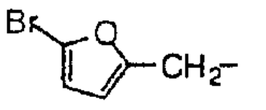
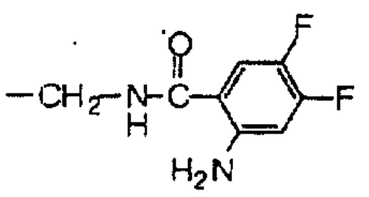
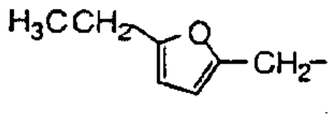
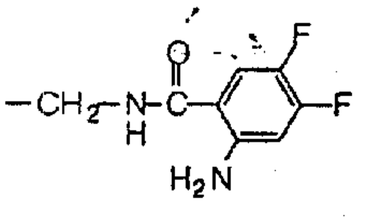
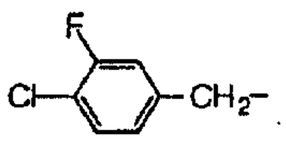
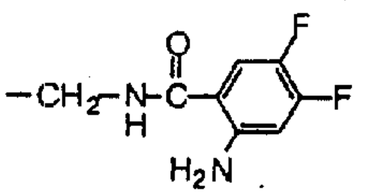
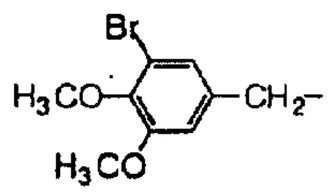
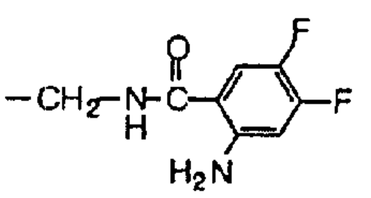
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2102 |  | 2 | 2 | 1 | - | H |  |
| 2103 |  | 2 | 2 | 1 | - | H |  |
| 2104 |  | 2 | 2 | 1 | - | H |  |
| 2105 |  | 2 | 2 | 1 | - | H |  |
| 2106 |  | 2 | 2 | 1 | - | H |  |
| 2107 |  | 2 | 2 | 1 | - | H |  |
| 2108 |  | 2 | 2 | 1 | - | H |  |
| 2109 |  | 2 | 2 | 1 | - | H |  |
| 2110 |  | 2 | 2 | 1 | - | H |  |
| 2111 |  | 2 | 2 | 1 | - | H |  |
| 2112 |  | 2 | 2 | 1 | - | H |  |

Table 1.193

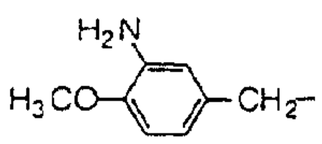
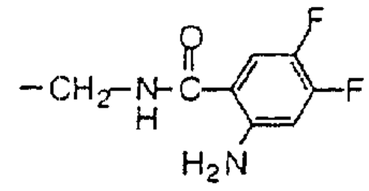
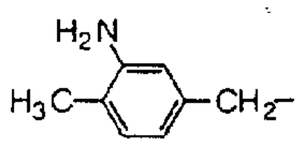
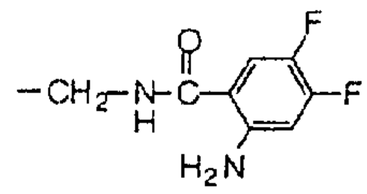
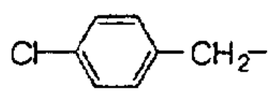
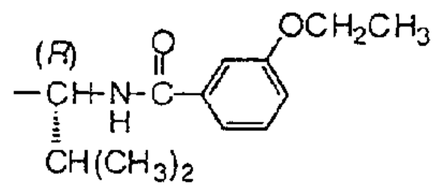
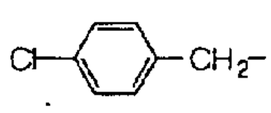
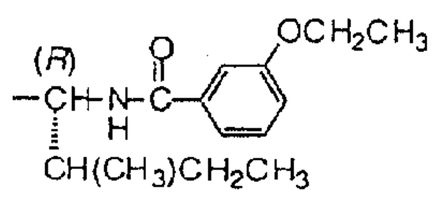
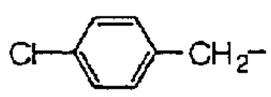
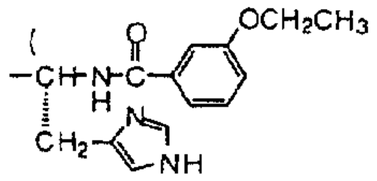
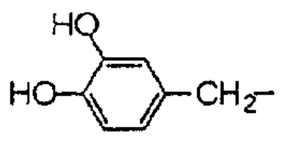
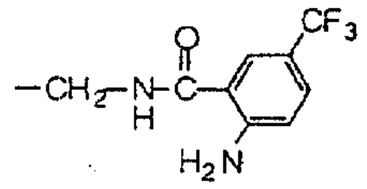
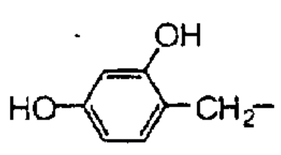
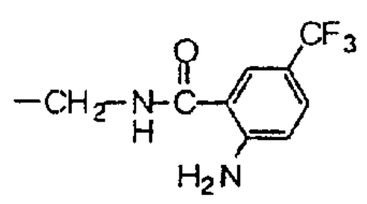
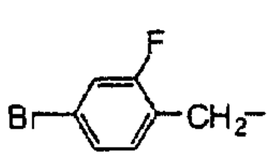
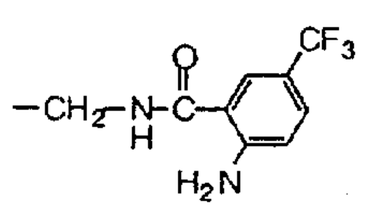
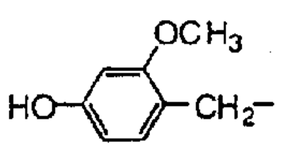
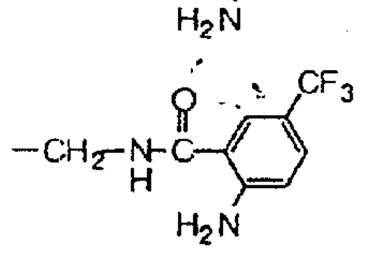
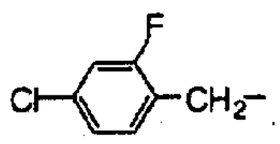
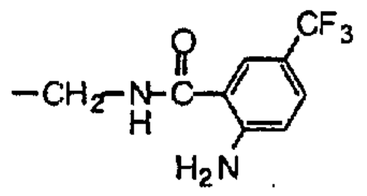
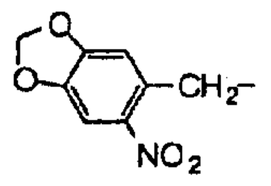
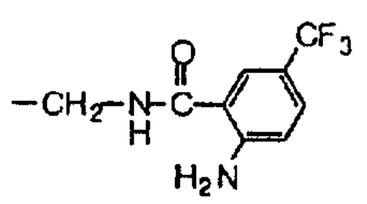
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2113 |  | 2 | 2 | 1 | - | H |  |
| 2114 |  | 2 | 2 | 1 | - | H |  |
| 2115 |  | 2 | 2 | 1 | - | H |  |
| 2116 |  | 2 | 2 | 1 | - | H |  |
| 2117 |  | 2 | 2 | 1 | - | H |  |
| 2118 |  | 1 | 2 | 0 | R | H |  |
| 2119 |  | 1 | 2 | 0 | R | H |  |
| 2120 |  | 1 | 2 | 0 | R | H |  |
| 2121 |  | 1 | 2 | 0 | R | H |  |
| 2122 |  | 1 | 2 | 0 | R | H |  |
| 2123 |  | 1 | 2 | 0 | R | H |  |

Table 1.194

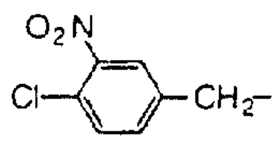
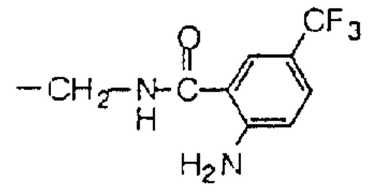
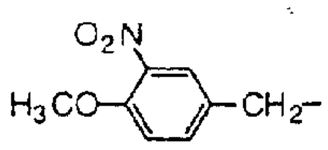
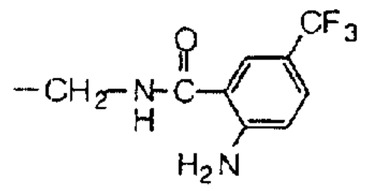
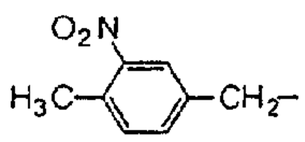
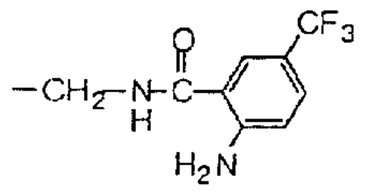
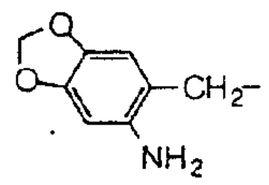
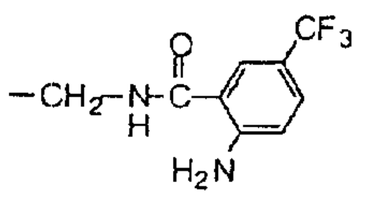
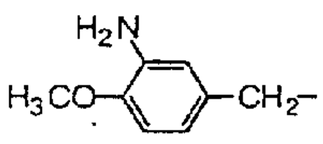
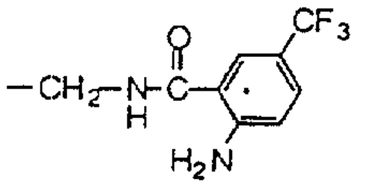
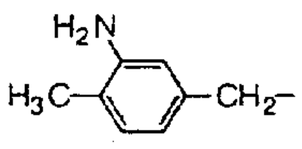
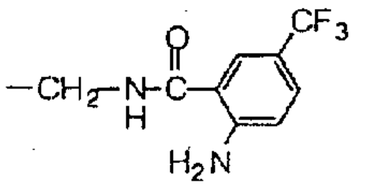
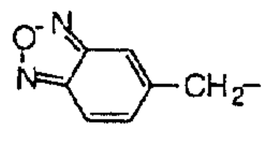
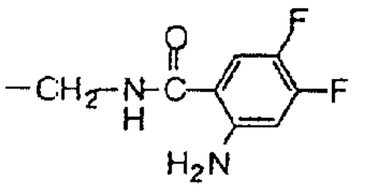
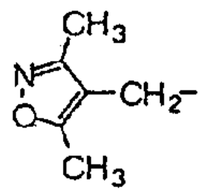
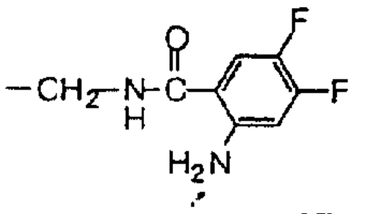
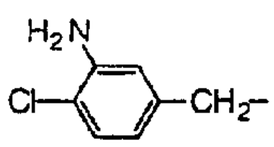
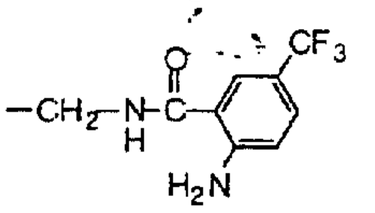
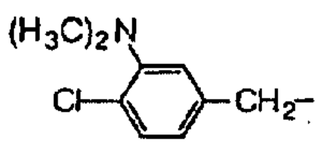
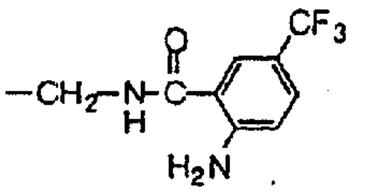
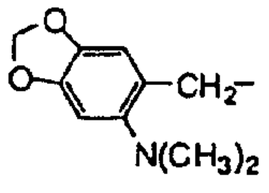
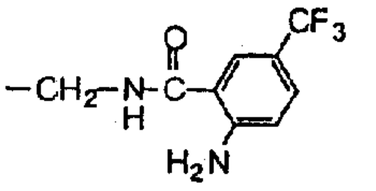
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2124 |  | 1 | 2 | 0 | R | H |  |
| 2125 |  | 1 | 2 | 0 | R | H |  |
| 2126 |  | 1 | 2 | 0 | R | H |  |
| 2127 |  | 1 | 2 | 0 | R | H |  |
| 2128 |  | 1 | 2 | 0 | R | H |  |
| 2129 |  | 1 | 2 | 0 | R | H |  |
| 2130 |  | 2 | 2 | 1 | - | H |  |
| 2131 |  | 2 | 2 | 1 | - | H |  |
| 2132 |  | 1 | 2 | 0 | R | H |  |
| 2133 |  | 1 | 2 | 0 | R | H |  |
| 2134 |  | 1 | 2 | 0 | R | H |  |

Table 1.195

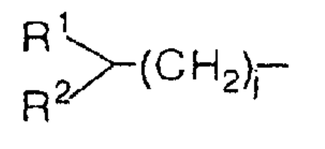
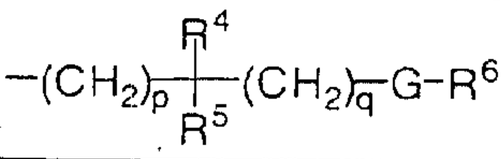
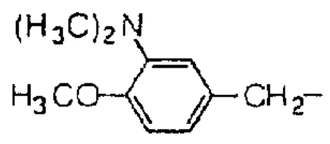
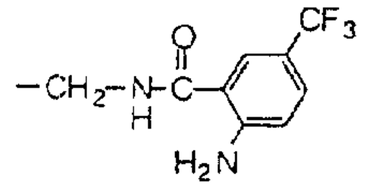
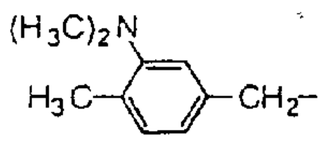
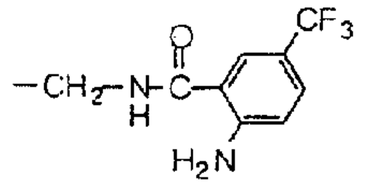
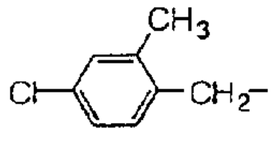
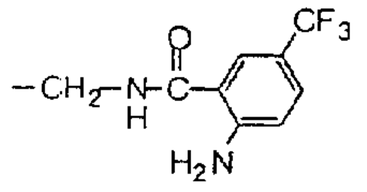
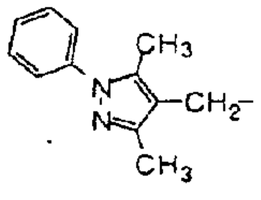
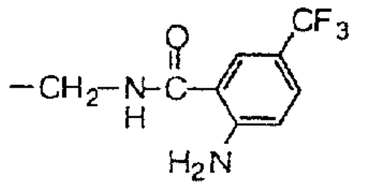
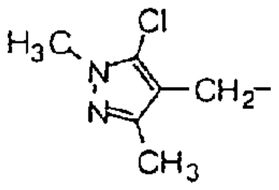
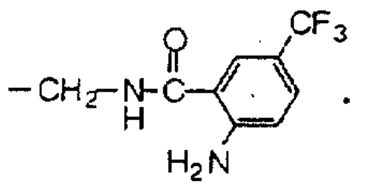
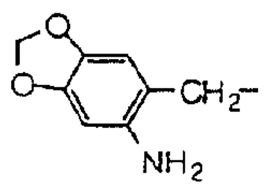
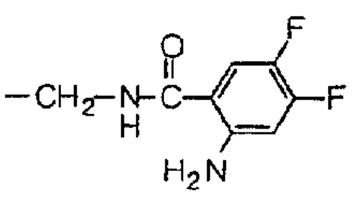
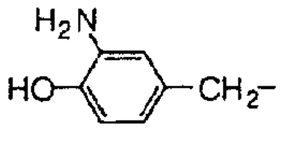
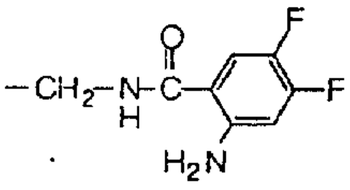
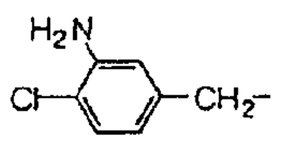
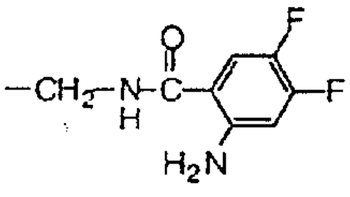
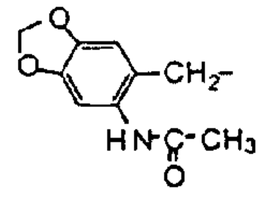
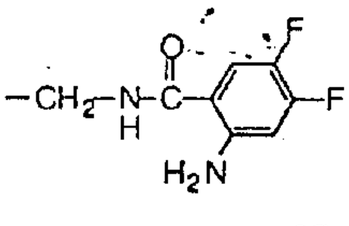
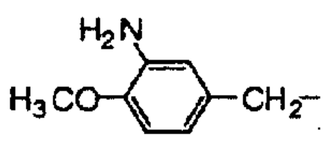
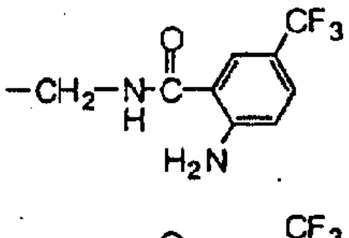
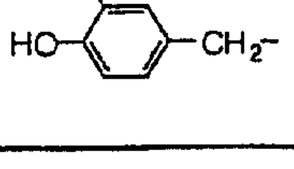
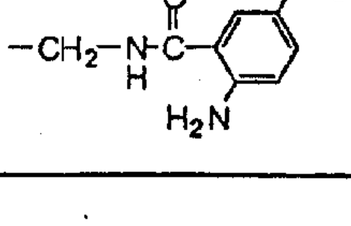
| Compd. No. |  | k | m | n | chirality | $R^3$ |  |
|---|---|---|---|---|---|---|---|
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| 2136 |  | 1 | 2 | 0 | R | H |  |
| 2137 |  | 1 | 2 | 0 | R | H |  |
| 2138 |  | 1 | 2 | 0 | R | H |  |
| 2139 |  | 1 | 2 | 0 | R | H |  |
| 2140 |  | 2 | 2 | 1 | - | H |  |
| 2141 |  | 2 | 2 | 1 | - | H |  |
| 2142 |  | 2 | 2 | 1 | - | H |  |
| 2143 |  | 2 | 2 | 1 | - | H |  |
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Table 1.196

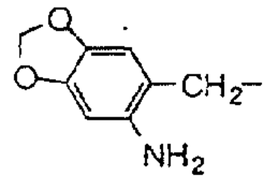
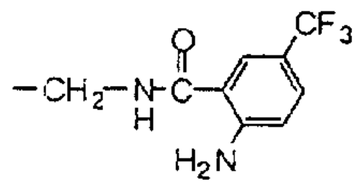
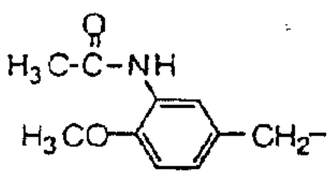
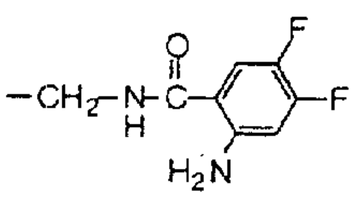
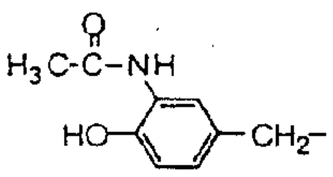
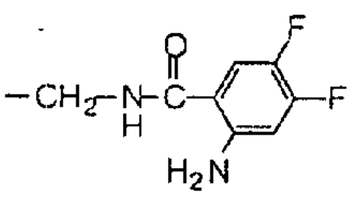
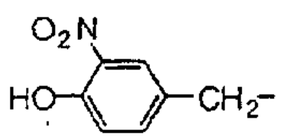
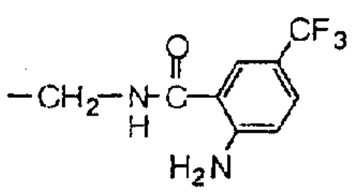
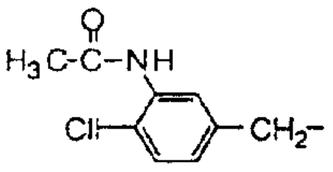
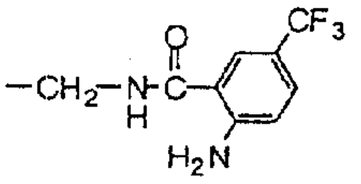
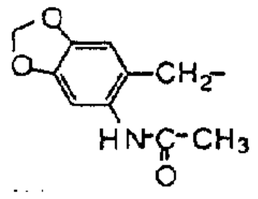
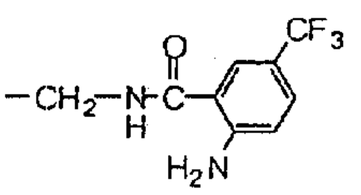
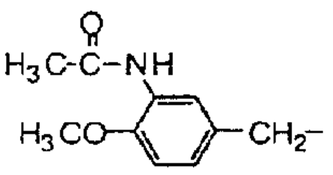
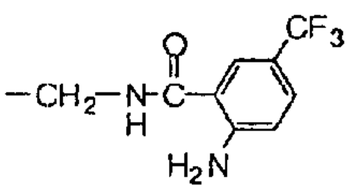
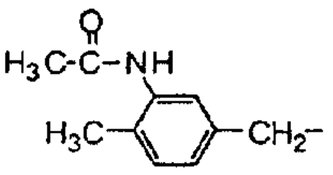
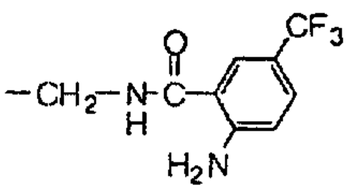
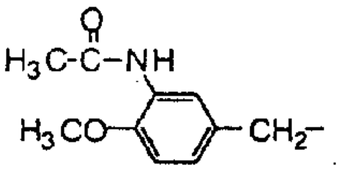
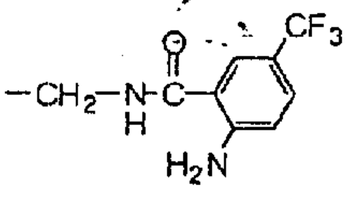
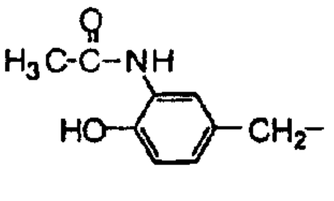
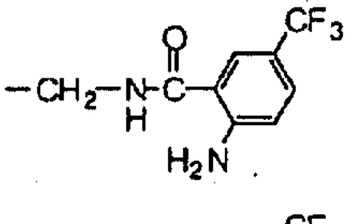
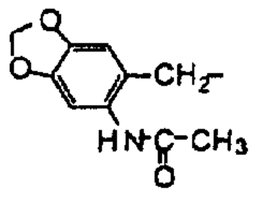
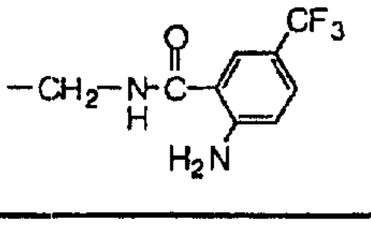
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2146 |  | 2 | 2 | 1 | - | H |  |
| 2147 |  | 2 | 2 | 1 | - | H |  |
| 2148 |  | 2 | 2 | 1 | - | H |  |
| 2149 |  | 1 | 2 | 0 | R | H |  |
| 2150 |  | 1 | 2 | 0 | R | H |  |
| 2151 |  | 1 | 2 | 0 | R | H |  |
| 2152 |  | 1 | 2 | 0 | R | H |  |
| 2153 |  | 1 | 2 | 0 | R | H |  |
| 2154 |  | 2 | 2 | 1 | - | H |  |
| 2155 |  | 2 | 2 | 1 | - | H |  |
| 2156 |  | 2 | 2 | 1 | - | H |  |

Table 1.197

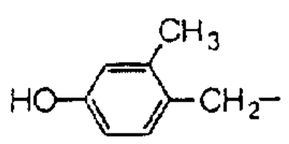
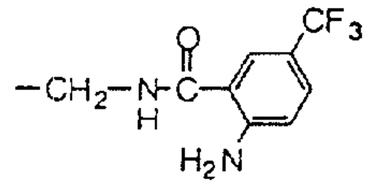
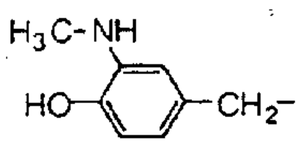
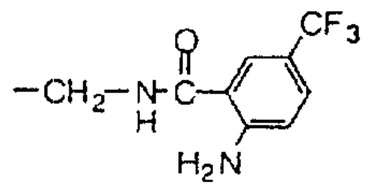
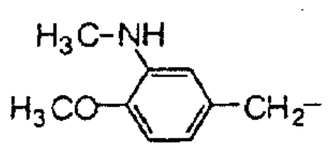
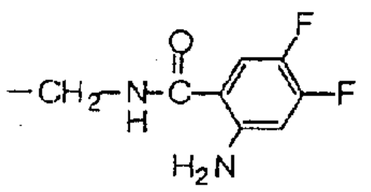
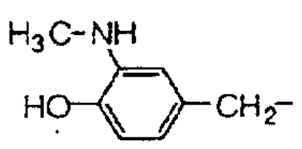
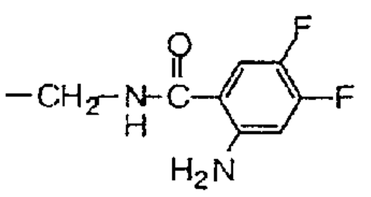
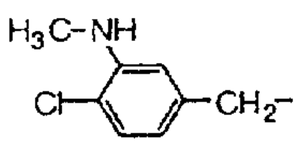
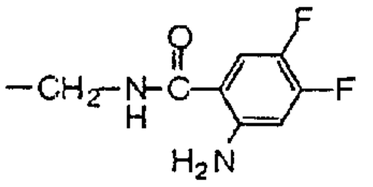
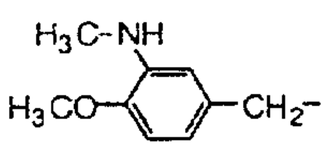
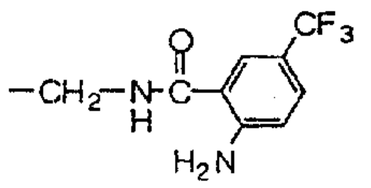
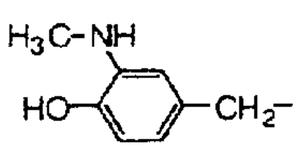
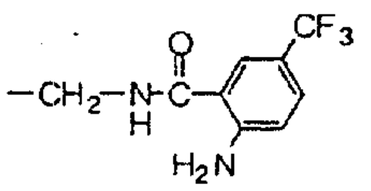
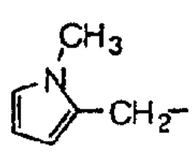
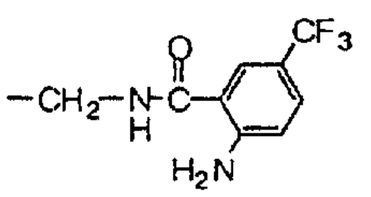
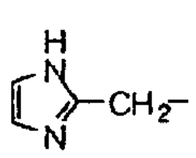
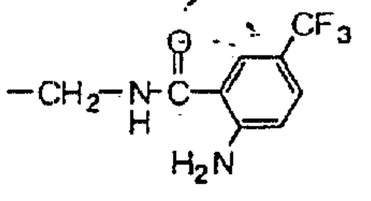
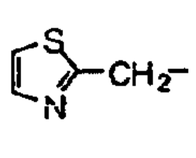
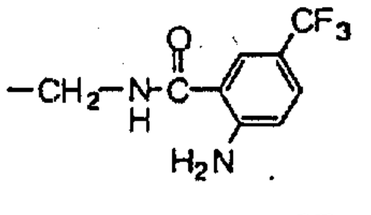
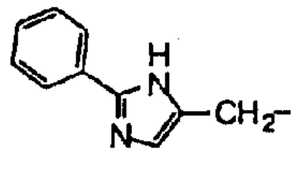
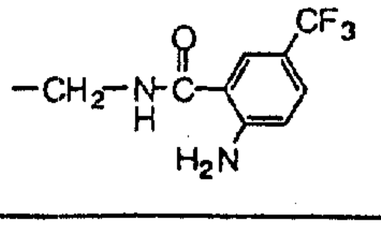
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2157 |  | 1 | 2 | 0 | R | H |  |
| 2158 |  | 1 | 2 | 0 | R | H |  |
| 2159 |  | 2 | 2 | 1 | - | H |  |
| 2160 |  | 2 | 2 | 1 | - | H |  |
| 2161 |  | 2 | 2 | 1 | - | H |  |
| 2162 |  | 2 | 2 | 1 | - | H |  |
| 2163 |  | 2 | 2 | 1 | - | H |  |
| 2164 |  | 1 | 2 | 0 | R | H |  |
| 2165 |  | 1 | 2 | 0 | R | H |  |
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Table 1.198

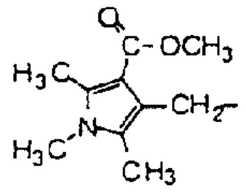
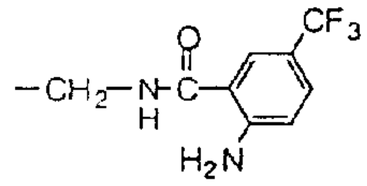
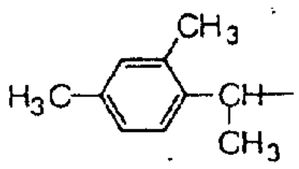
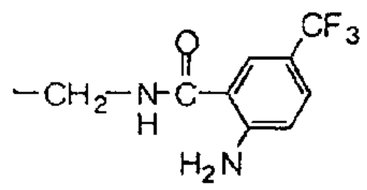
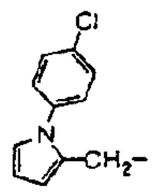
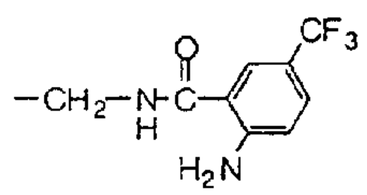
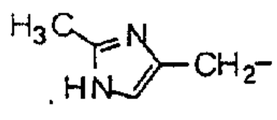
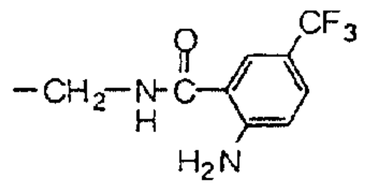
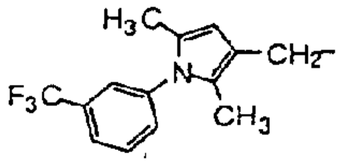
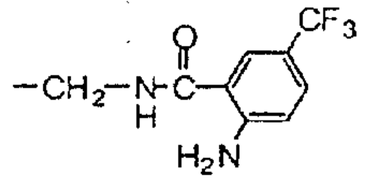
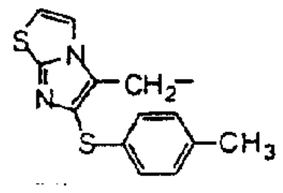
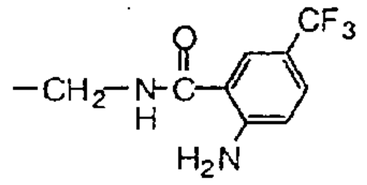
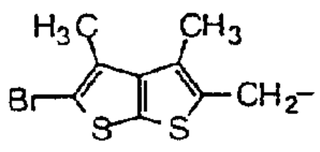
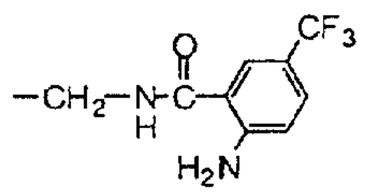
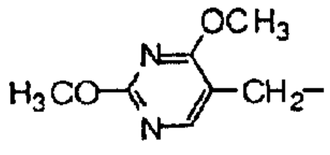
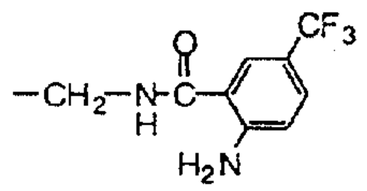
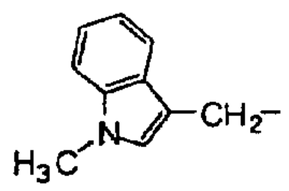
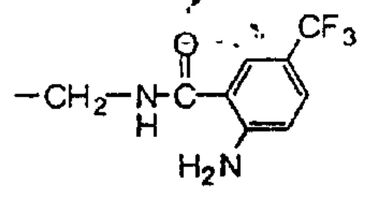
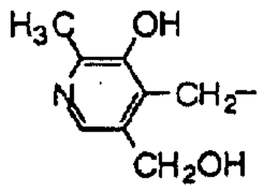
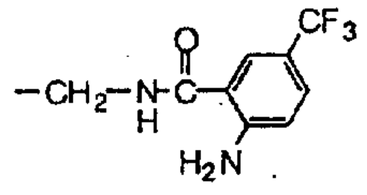
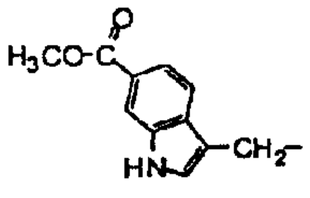
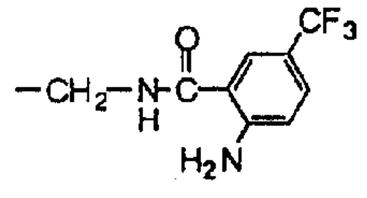
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2168 |  | 1 | 2 | 0 | R | H |  |
| 2169 |  | 1 | 2 | 0 | R | H |  |
| 2170 |  | 1 | 2 | 0 | R | H |  |
| 2171 |  | 1 | 2 | 0 | R | H |  |
| 2172 |  | 1 | 2 | 0 | R | H |  |
| 2173 |  | 1 | 2 | 0 | R | H |  |
| 2174 |  | 1 | 2 | 0 | R | H |  |
| 2175 |  | 1 | 2 | 0 | R | H |  |
| 2176 |  | 1 | 2 | 0 | R | H |  |
| 2177 |  | 1 | 2 | 0 | R | H |  |
| 2178 |  | 1 | 2 | 0 | R | H |  |

Table 1.199

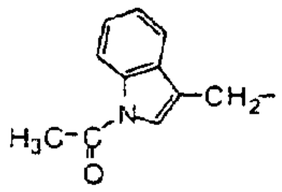
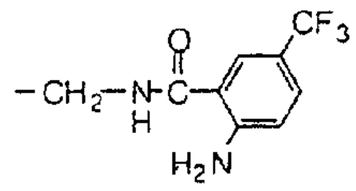
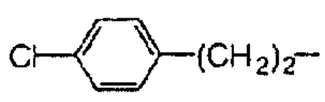
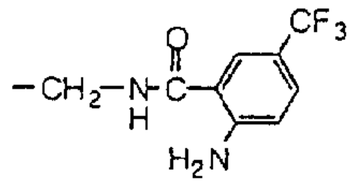
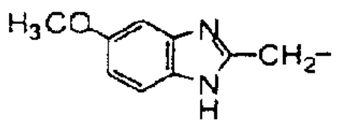
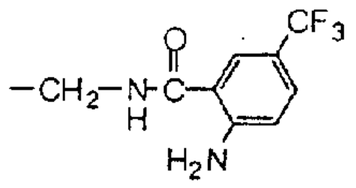
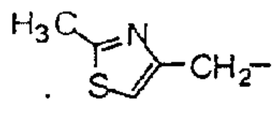
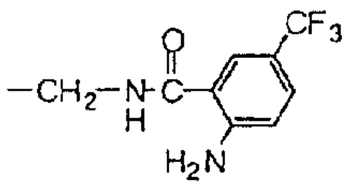
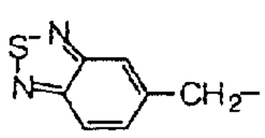
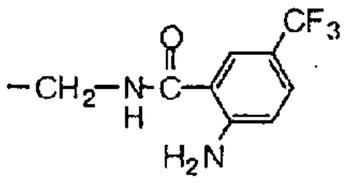
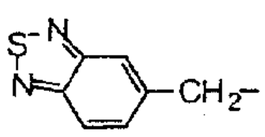
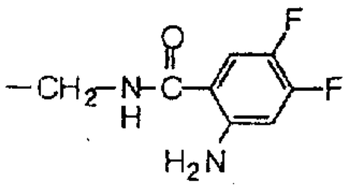
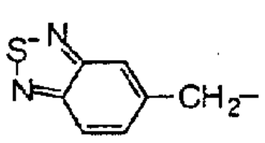
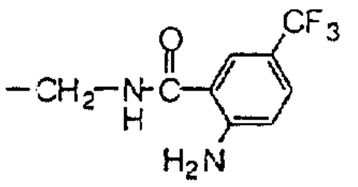
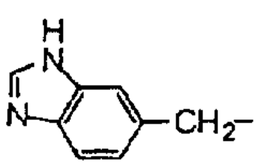
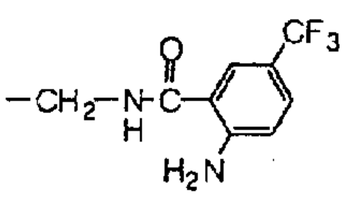
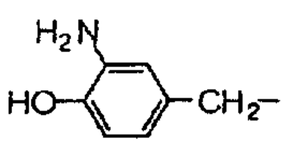
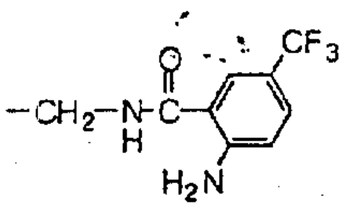
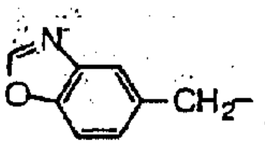
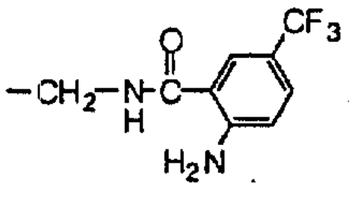
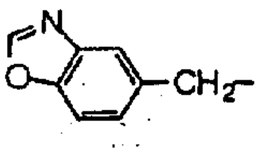
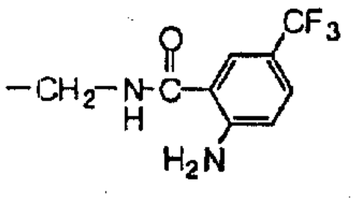
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2179 |  | 1 | 2 | 0 | R | H |  |
| 2180 |  | 1 | 2 | 0 | R | H |  |
| 2181 |  | 1 | 2 | 0 | R | H |  |
| 2182 |  | 1 | 2 | 0 | R | H |  |
| 2183 |  | 1 | 2 | 0 | R | H |  |
| 2184 |  | 2 | 2 | 1 | - | H |  |
| 2185 |  | 2 | 2 | 1 | - | H |  |
| 2186 |  | 2 | 2 | 1 | - | H |  |
| 2187 |  | 1 | 2 | 0 | R | H |  |
| 2188 |  | 2 | 2 | 1 | - | H |  |
| 2189 |  | 1 | 2 | 0 | R | H |  |

Table 1.200

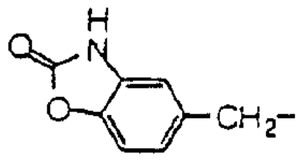
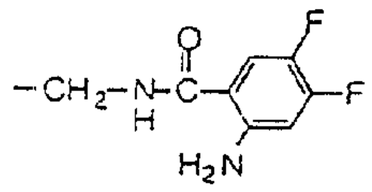
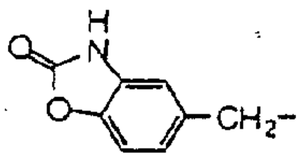
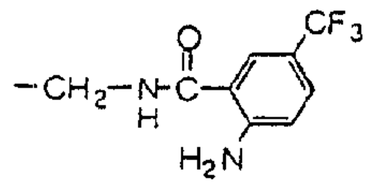
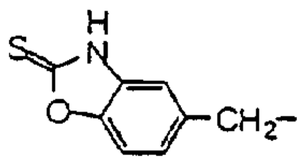
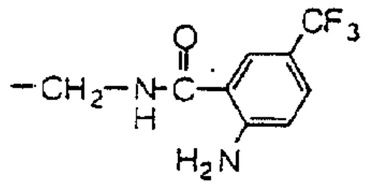
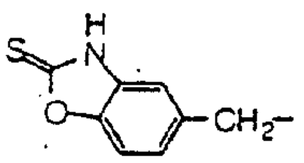
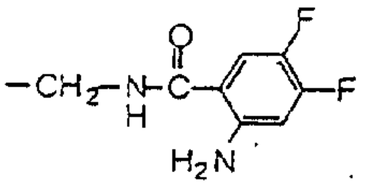
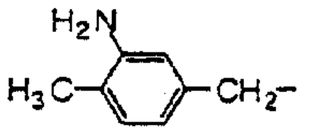
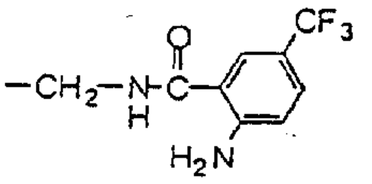
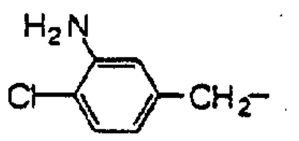
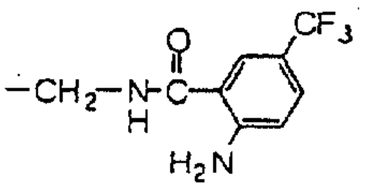
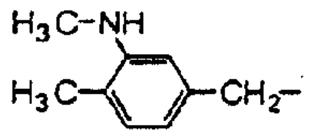
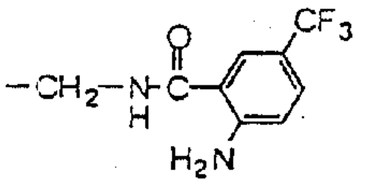
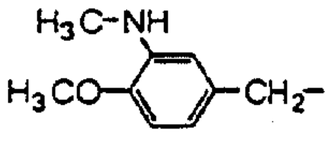
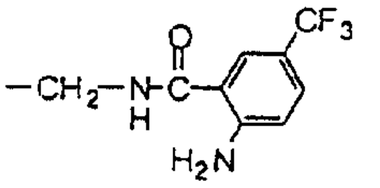
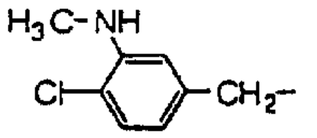
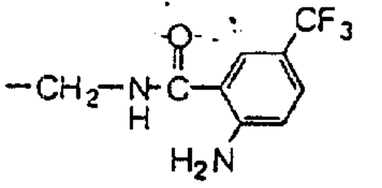
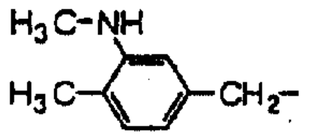
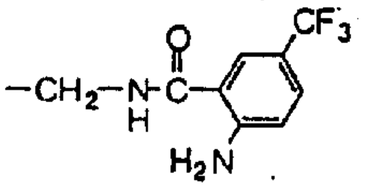
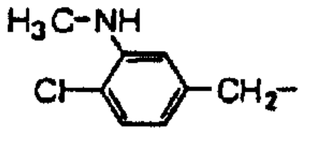
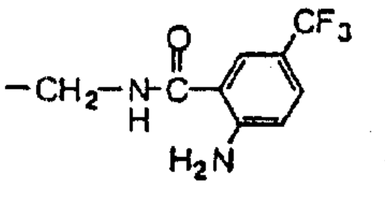
| Compd. No. | $R^1$, $R^2$, $(CH_2)_l$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2190 |  | 2 | 2 | 1 | - | H |  |
| 2191 |  | 2 | 2 | 1 | - | H |  |
| 2192 |  | 2 | 2 | 1 | - | H |  |
| 2193 |  | 2 | 2 | 1 | - | H |  |
| 2194 |  | 2 | 2 | 1 | - | H |  |
| 2195 |  | 2 | 2 | 1 | - | H |  |
| 2196 |  | 1 | 2 | 0 | R | H |  |
| 2197 |  | 1 | 2 | 0 | R | H |  |
| 2198 |  | 1 | 2 | 0 | R | H |  |
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**Table 1.201**

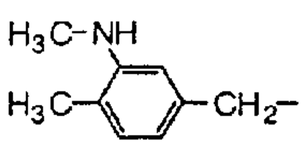
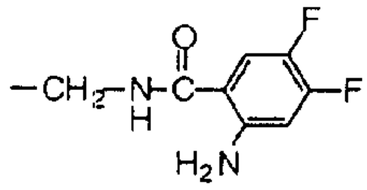
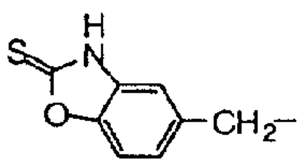
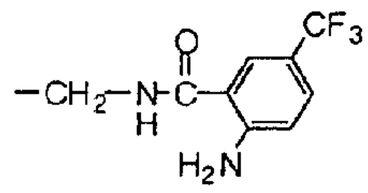
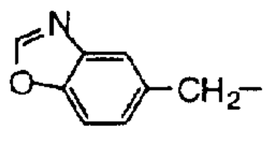
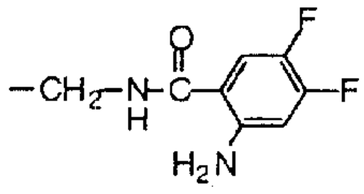
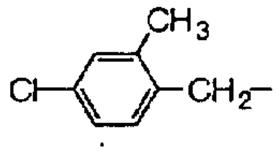
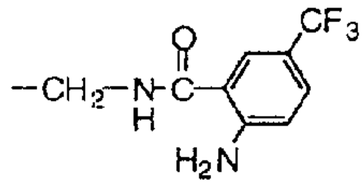
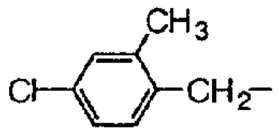
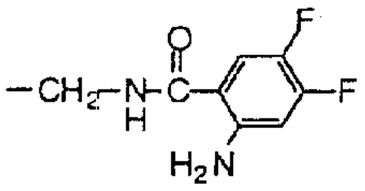
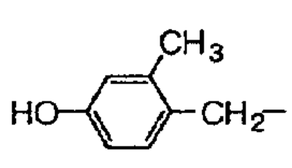
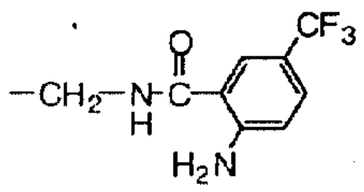
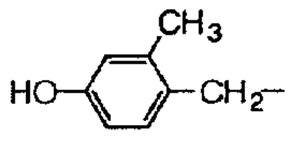
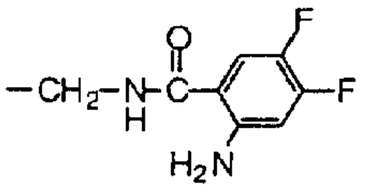
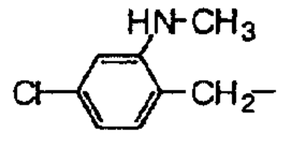
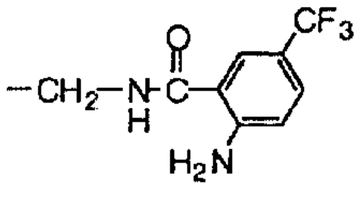
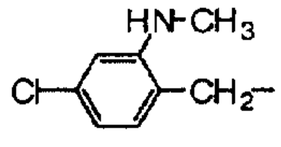
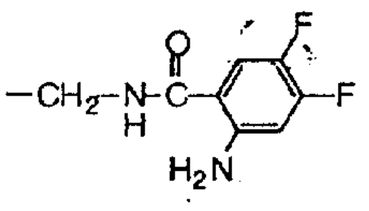
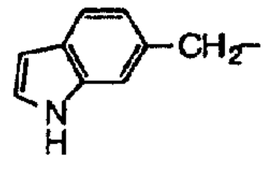
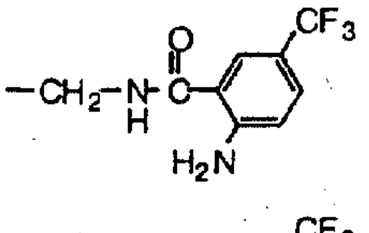
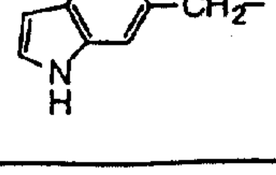
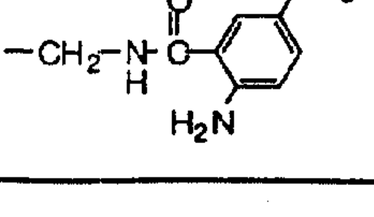
| Compd. No. | $R^1$, $R^2$, $(CH_2)_i$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2201 |  | 2 | 2 | 1 | - | H |  |
| 2202 |  | 1 | 2 | 0 | R | H |  |
| 2203 |  | 2 | 2 | 1 | - | H |  |
| 2204 |  | 2 | 2 | 1 | - | H |  |
| 2205 |  | 2 | 2 | 1 | - | H |  |
| 2206 |  | 2 | 2 | 1 | - | H |  |
| 2207 |  | 2 | 2 | 1 | - | H |  |
| 2208 |  | 2 | 2 | 1 | - | H |  |
| 2209 |  | 2 | 2 | 1 | - | H |  |
| 2210 |  | 1 | 2 | 0 | R | H |  |
| 2211 |  | 2 | 2 | 1 | - | H |  |

**Table 1.202**

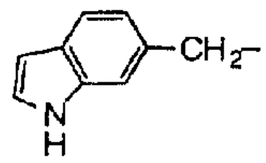
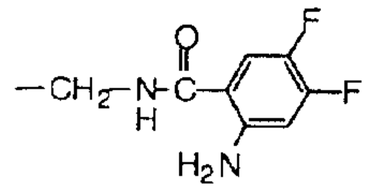
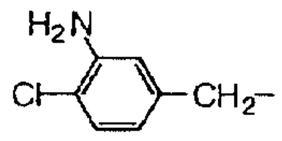
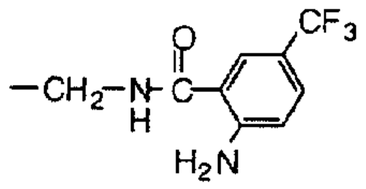
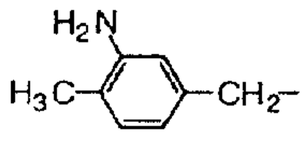
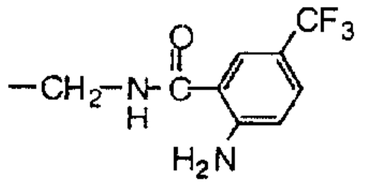
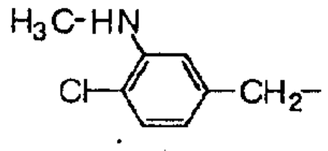
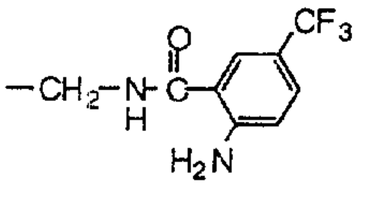
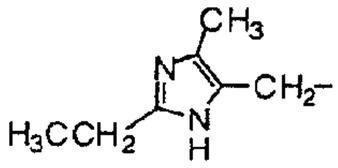
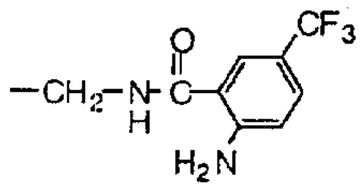
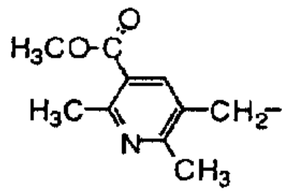
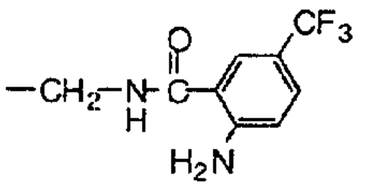
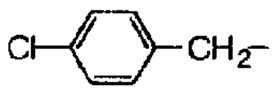
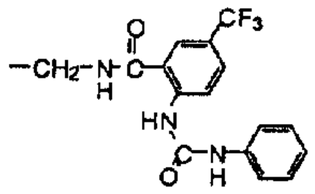
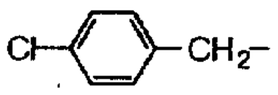
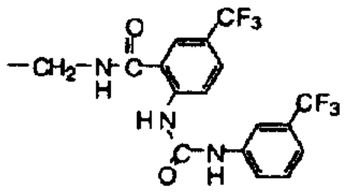
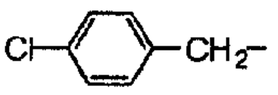
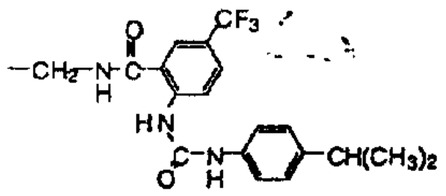
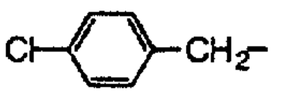
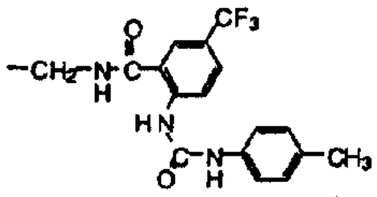
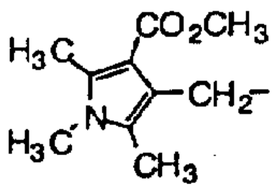
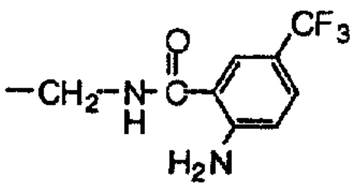
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-CR^4R^5-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2212 |  | 2 | 2 | 1 | - | H |  |
| 2213 |  | 2 | 2 | 1 | - | H |  |
| 2214 |  | 2 | 2 | 1 | - | H |  |
| 2215 |  | 1 | 2 | 0 | R | H |  |
| 2216 |  | 1 | 2 | 0 | R | H |  |
| 2217 |  | 1 | 2 | 0 | R | H |  |
| 2218 |  | 1 | 2 | 0 | R | H |  |
| 2219 |  | 1 | 2 | 0 | R | H |  |
| 2220 |  | 1 | 2 | 0 | R | H |  |
| 2221 |  | 1 | 2 | 0 | R | H |  |
| 2222 |  | 1 | 2 | 0 | R | H |  |

**Table 1.203**

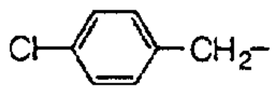
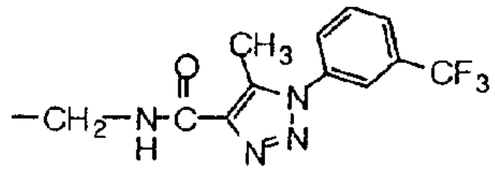
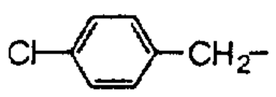
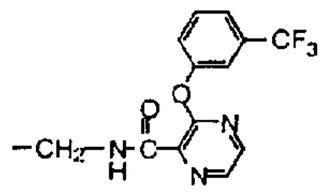
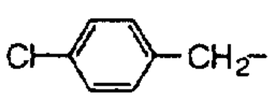
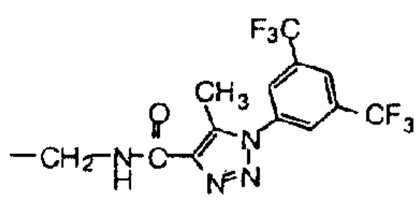
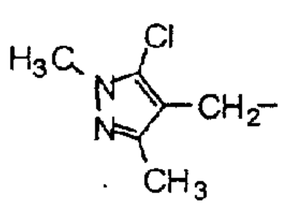
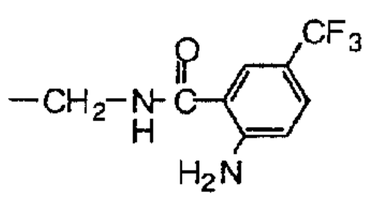
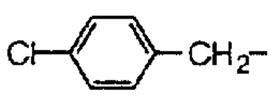
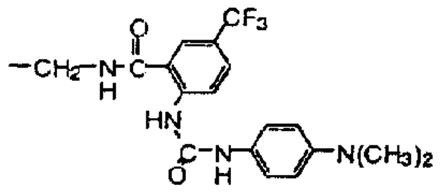
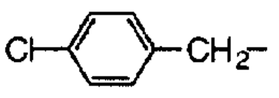
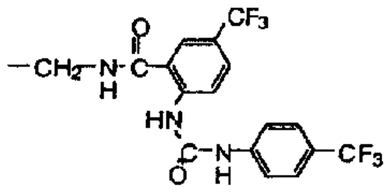
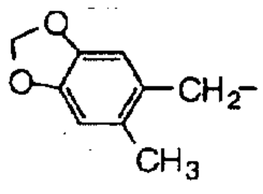
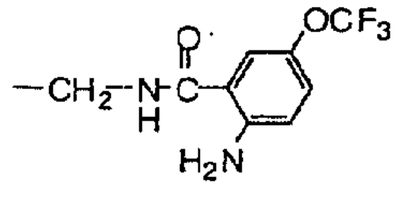
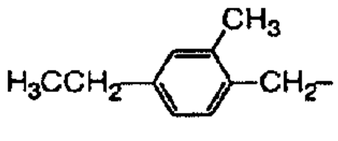
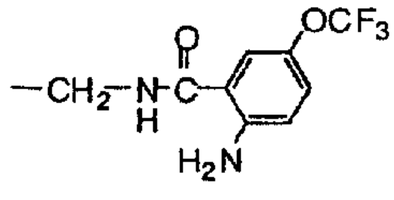
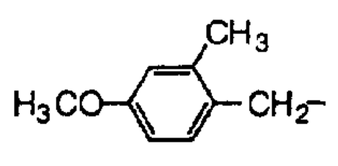
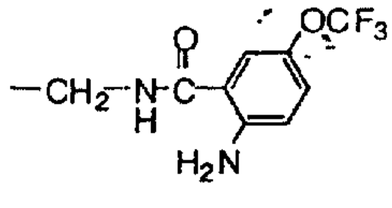
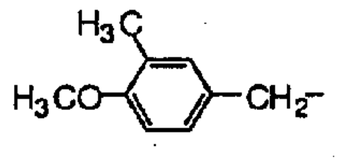
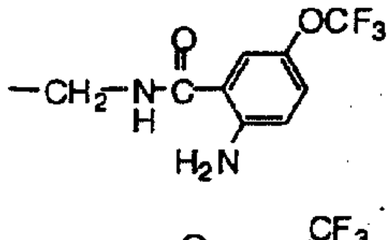
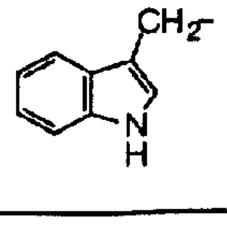
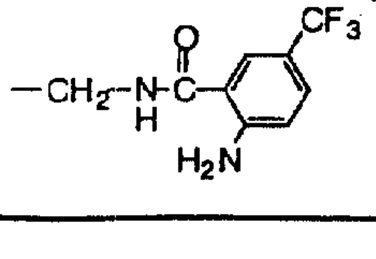
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2223 |  | 1 | 2 | 0 | R | H |  |
| 2224 |  | 1 | 2 | 0 | R | H |  |
| 2225 |  | 1 | 2 | 0 | R | H |  |
| 2226 |  | 1 | 2 | 0 | R | H |  |
| 2227 |  | 1 | 2 | 0 | R | H |  |
| 2228 |  | 1 | 2 | 0 | R | H |  |
| 2229 |  | 1 | 2 | 0 | R | H |  |
| 2230 |  | 1 | 2 | 0 | R | H |  |
| 2231 |  | 1 | 2 | 0 | R | H |  |
| 2232 |  | 1 | 2 | 0 | R | H |  |
| 2233 |  | 1 | 2 | 0 | R | H |  |

**Table 1.204**

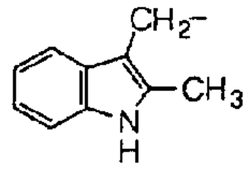
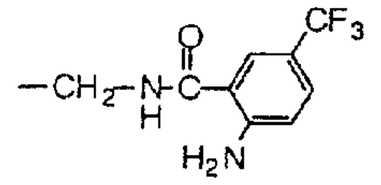
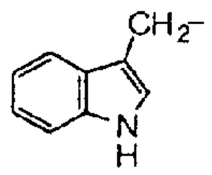
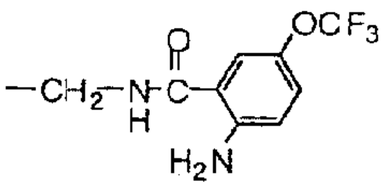
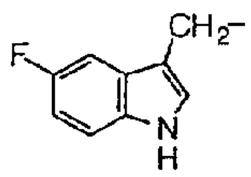
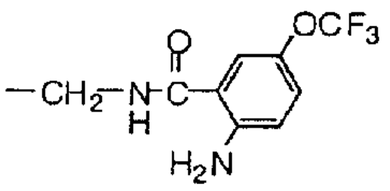
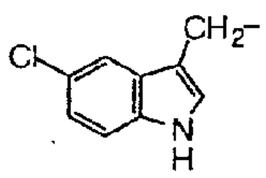
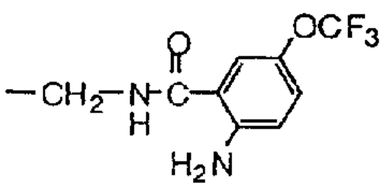
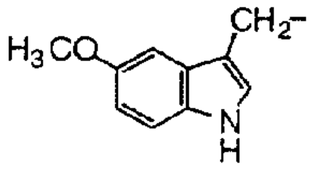
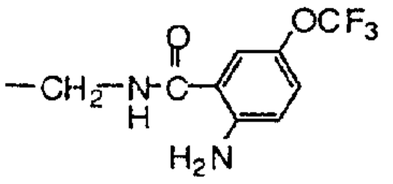
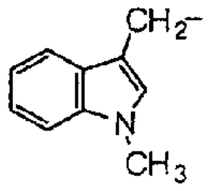
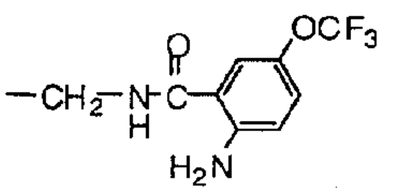
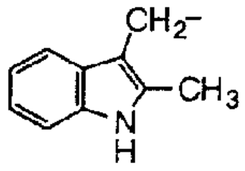
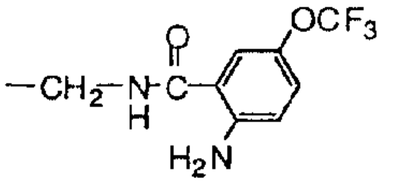
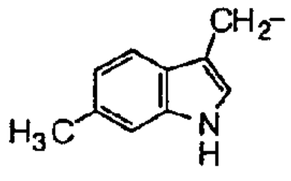
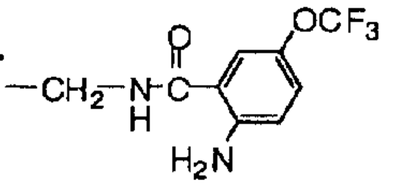
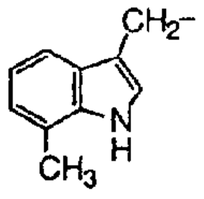
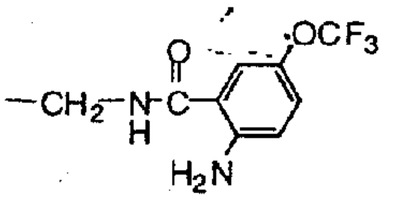
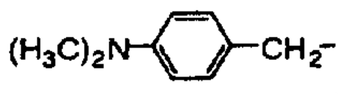
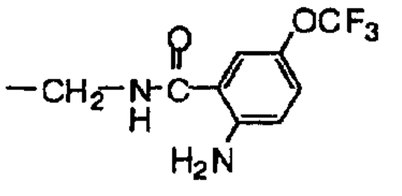
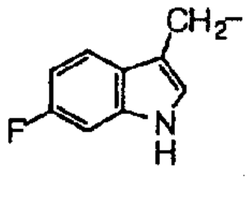
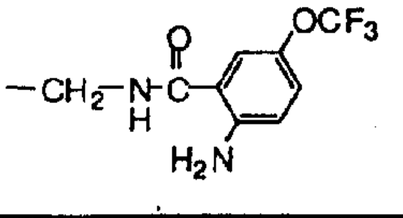
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2234 |  | 1 | 2 | 0 | R | H |  |
| 2235 |  | 1 | 2 | 0 | R | H |  |
| 2236 |  | 1 | 2 | 0 | R | H |  |
| 2237 |  | 1 | 2 | 0 | R | H |  |
| 2238 |  | 1 | 2 | 0 | R | H |  |
| 2239 |  | 1 | 2 | 0 | R | H |  |
| 2240 |  | 1 | 2 | 0 | R | H |  |
| 2241 |  | 1 | 2 | 0 | R | H |  |
| 2242 |  | 1 | 2 | 0 | R | H |  |
| 2243 |  | 1 | 2 | 0 | R | H |  |
| 2244 |  | 1 | 2 | 0 | R | H |  |

**Table 1.205**

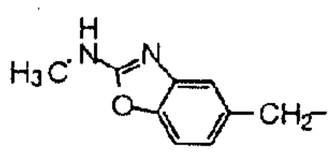
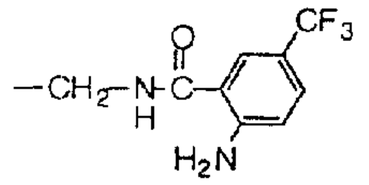
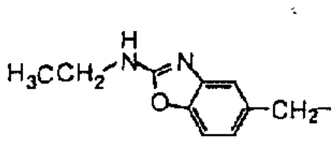
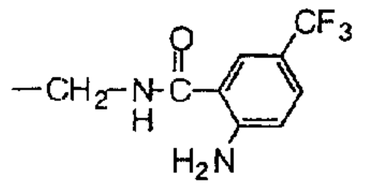
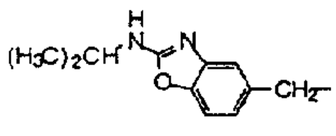
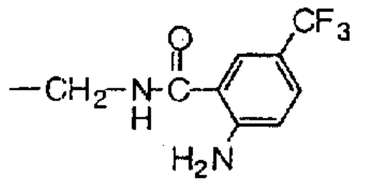
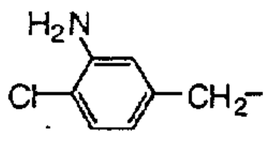
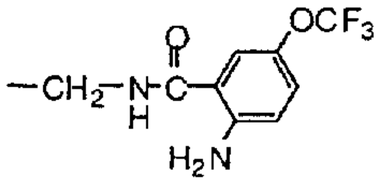
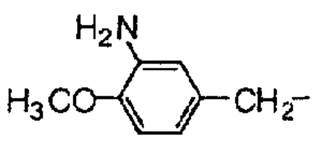
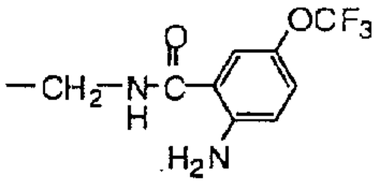
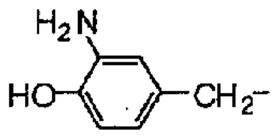
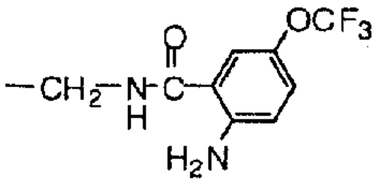
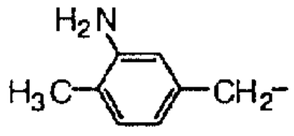
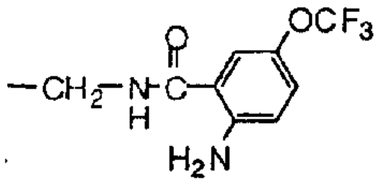
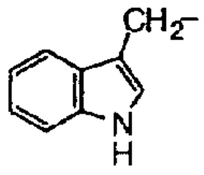
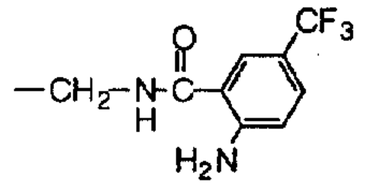
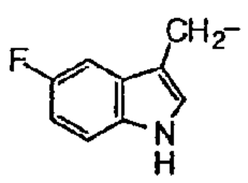
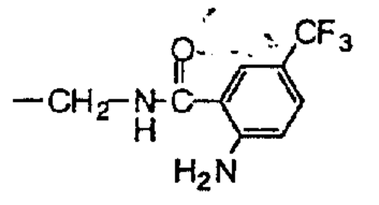
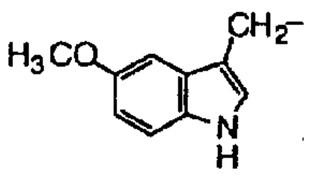
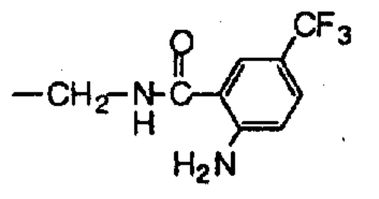
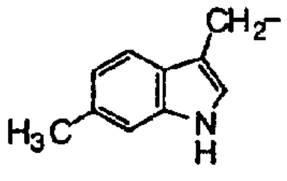
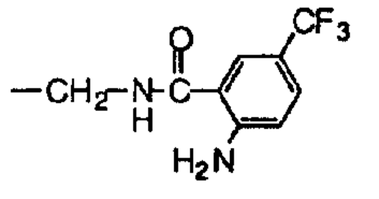
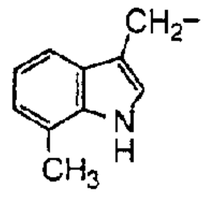
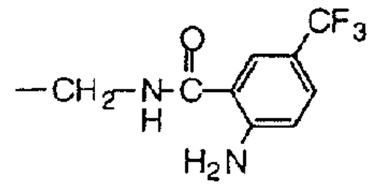
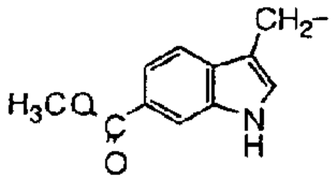
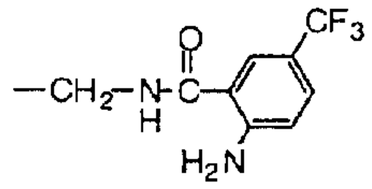
| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-C(R^4)(R^5)-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2245 |  | 1 | 2 | 0 | R | H |  |
| 2246 |  | 1 | 2 | 0 | R | H |  |
| 2247 |  | 1 | 2 | 0 | R | H |  |
| 2248 |  | 1 | 2 | 0 | R | H |  |
| 2249 |  | 1 | 2 | 0 | R | H |  |
| 2250 |  | 1 | 2 | 0 | R | H |  |
| 2251 |  | 1 | 2 | 0 | R | H |  |
| 2252 |  | 2 | 2 | 1 | - | H |  |
| 2253 |  | 2 | 2 | 1 | - | H |  |
| 2254 |  | 2 | 2 | 1 | - | H |  |
| 2255 |  | 2 | 2 | 1 | - | H |  |

**Table 1.206**

| Compd. No. | $R^1$, $R^2$, $(CH_2)_j$ | k | m | n | chirality | $R^3$ | $-(CH_2)_p-\underset{R^5}{\overset{R^4}{C}}-(CH_2)_q-G-R^6$ |
|---|---|---|---|---|---|---|---|
| 2256 |  | 2 | 2 | 1 | - | H |  |
| 2257 |  | 2 | 2 | 1 | - | H |  |

The acid addition salts of the cyclic amine compounds are also used in the present invention. Examples of the acid include a mineral acid such as hydrochloric acid, hydrobromic acid, sulfuric acid, phosphoric acid or carbonic acid and an organic acid such as maleic acid, citric acid, malic acid, tartaric acid, fumaric acid, methanesulfonic acid, trifluoroacetic acid or formic acid.

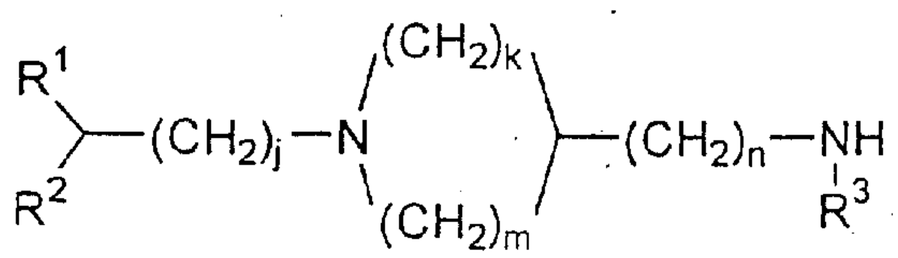
Furthermore, $C_1$-$C_6$ alkyl addition salts of the cyclic amine compounds, for example, 1-(4-chlorobenzyl)-1-methyl-4-[{N-(3-trifluoromethylbenzoyl)glycyl}aminomethyl]piperidinium iodide are also used in the present invention. The alkyl group preferably includes methyl, ethyl, n-propyl, n-butyl, n-pentyl, n-hexyl, n-heptyl, n-octyl, isopropyl, isobutyl, sec-butyl, tert-butyl, isopentyl, neopentyl, tert-pentyl, 2-methylpentyl and 1-ethylbutyl herein; however, methyl group, ethyl group or the like is especially preferable. A halide anion such as fluoride, chloride, bromide or iodide is preferable for a counter anion of an ammonium cation.

In the present invention, a racemate and all the possible optically active forms of the compounds represented by the above formula (I) can also be used.

The compounds represented by the above formula (I) can be synthesized by using any of the following general preparation processes described in WO9925686:

(Preparation process 1)

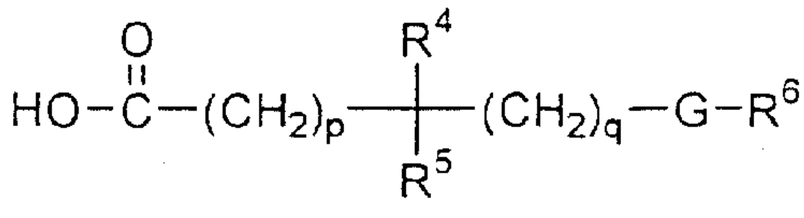
A preparation process comprises reacting one equivalent of a compound represented by the following formula (II):



(II)

wherein $R^1$, $R^2$, $R^3$, j, k, m and n are each the same as defined in the above formula (I),

with 0.1 to 10 equivalents of a carboxylic acid represented by the following formula (III):



(III)

wherein $R^4$, $R^5$, $R^6$, G, p and q are each the same as defined in the above formula (I),

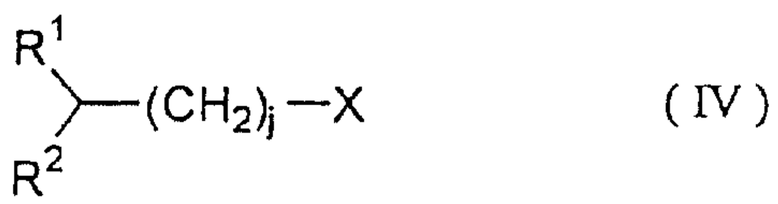
or a reactive derivative thereof in the absence or presence of a solvent.

The "reactive derivative" of the carboxylic acid represented by the above formula (III) mean a carboxylic acid derivative, for example, an acid halide, an acid anhydride or a mixed acid anhydride usually used in the synthetic organic chemistry field and having high reactivity.

The reaction can more smoothly be made to proceed by suitably using an adequate amount of a dehydrating agent such as molecular sieve; a coupling reagent such as dicyclohexylcarbodiimide (DCC), N-ethyl-N'-(3-dimethylaminopropyl)carbodiimide (EDCI or WSC), carbonyldiimidazole (CDI), N-hydroxysuccinimide (HOSu), N-hydroxybenzotriazole (HOBt), benzotriazol-1-yloxytris(pyrrolidinol) phosphonium hexafluorophosphate (PyBOP), 2-(1H-benzotriazol-1-yl)-1,1,3,3-tetramethyluronium hexafluorophosphate (HBTU), 2-(1H-benzotriazol-1-yl)-1,1,3,3-tetramethyluronium tetrafluoroborate (TBTU), 2-(5-norbornene-2,3-dicarboxyimide)-1,1,3,3-tetramethyluronium tetrafluorobonite (TNTU), O-(N-succinimidyl)-1,1,3,3-tetramethyluronium hexafluorophosphate (TSTU) or bromotris(pyrrolidino)phosphonium hexafluorophosphate (PyBroP); a base such as an inorganic base such as potassium carbonate, calcium carbonate or sodium hydrogencarbonate; amines such as triethylamine, diisoproylethylamine or pyridine or a polymer supported base such as (piperidinomethyl)polystyrene, (morpholinomethyl)polystyrene, (dimethylaminomethyl)polystyrene or poly(4-vinylpyridine).

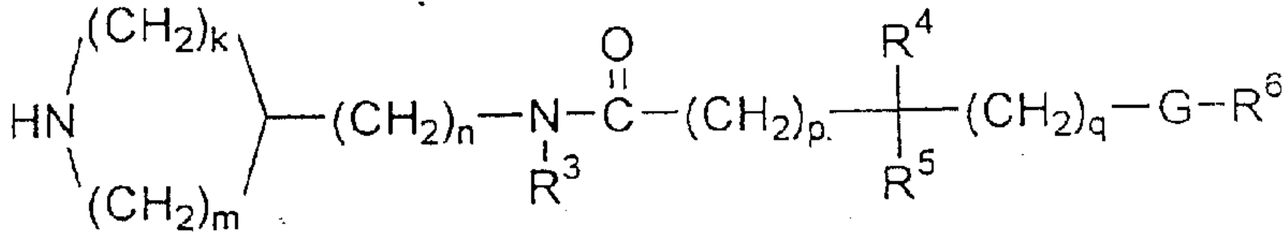
(Preparation process 2)

A preparation process comprises reacting one equivalent of an alkylating reagent represented by the following formula (IV):



(IV)

wherein $R^1$, $R^2$ and j are each the same as defined in the above formula (I); X is a halogen atom, an alkylsulfonyloxy group or an arylsulfonyloxy group,
with 0.1 to 10 equivalents of a compound represented by the following formula (V):



(V)

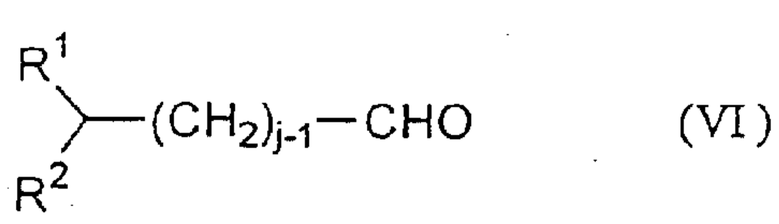
wherein $R^3$, $R^4$, $R^5$, $R^6$, G, k, m, n, p and q are each the same as defined in the above formula (I),
in the absence or presence of a solvent.

The reaction can more smoothly be made to proceed by suitably using a base similar to that in the preparation process 1. Furthermore, the reaction sometimes can be promoted by the presence of an iodide such as potassium iodide or sodium iodide.

In the above formula (IV), X is a halogen atom, an alkylsulfonyloxy group or an arylsulfonyloxy group. Examples of the halogen atom preferably include a chlorine atom, a bromine atom and an iodine atom. Specific examples of the alkylsulfonyloxy group preferably include a methylsulfonyloxy group, a trifluoromethylsulfonyloxy group and the like, and the specific example of the arylsulfonyloxy group preferably includes tosyloxy group.

(Preparation process 3)

A preparation process comprises reacting one equivalent of an aldehyde represented by the following formula (VI):



(VI)

wherein $R^1$ and $R^2$ are each the same as defined in the above formula (I); j is 1 or 2,
or an aldehyde represented by the following formula (VII):

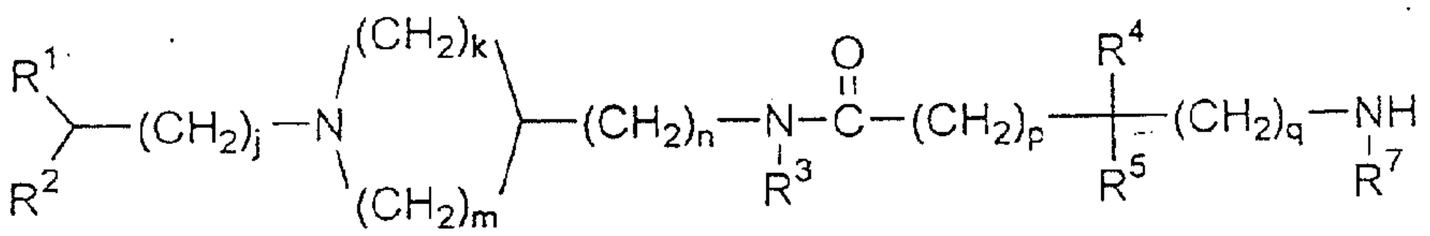
$R^1$- CHO (VII)

wherein $R^1$ is the same as defined for $R^1$ in the above formula (I); the compound corresponds to the case where j is 0,
with 0.1 to 10 equivalents of a compound represented by the above formula (V) in the absence or presence of a solvent.

The reaction is usually called a reductive amination reaction and a catalytic hydrogenation reaction using a catalyst containing a metal such as palladium, platinum, nickel or rhodium, a hydrogenation reaction using a complex hydride such as lithium aluminum hydride, sodium borohydride, sodium cyanoborohydride or sodium triacetoxyborohydride and borane, an electrolytic reducing reaction or the like can be used as reductive conditions.

(Preparation process 4)

A preparation process comprises reacting one equivalent of a compound represented by the following formula (VIII):



(VIII)

wherein $R^1$, $R^2$, $R^3$, $R^4$, $R^5$, $R^7$, j, k, m, n, p and q are each the same as defined in the above formula (I),
with 0.1 to 10 equivalents of a carboxylic acid or a sulfonic acid represented by the following formula (IX):

$$HO\text{–}A\text{-}R^6 \qquad (IX)$$

wherein $R^6$ is the same as defined in the above formula (I); A is a carbonyl group or a sulfonyl group,
or a reactive derivative thereof in the absence or presence of a solvent.

The reactive derivative of the carboxylic acid or sulfonic acid represented by the above formula (IX) means a carboxylic acid derivative or sulfonic acid derivative, for example, an acid halide, an acid anhydride or a mixed acid anhydride usually used in the synthetic organic chemistry field and having high reactivity. The reaction can more smoothly be made to proceed by suitably using a dehydrating agent, a coupling reagent or a base similar to that in the above preparation process 1.

(Preparation process 5)

A preparation process comprises reacting one equivalent of a compound represented by the above formula (VIII) with 0.1 to 10 equivalents of an isocyanate or an isothiocyanate represented by the following formula (X):

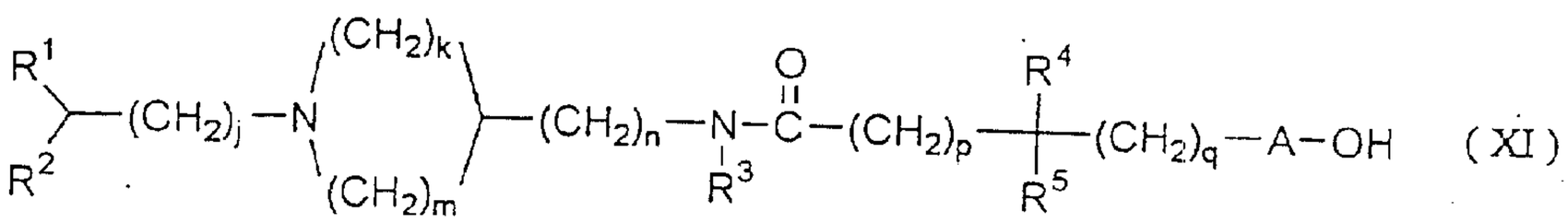
$$Z=C=N\text{-}R^6 \qquad (X)$$

wherein $R^6$ is the same as defined in the above formula (I); Z is an oxygen atom or a sulfur atom,

in the absence or presence of a solvent.

(Preparation process 6)

A preparation process comprises reacting one equivalent of a compound represented by the following formula (XI):



(XI)

wherein $R^1$, $R^2$, $R^3$, $R^4$, $R^5$, j, k, m, n, p and q are each the same as defined in the above formula (I); A is a carbonyl group or a sulfonyl group,

with 0.1 to 10 equivalents of an amine represented by the following formula (XII):

$$R^6\text{-}NH_2 \qquad (XII)$$

wherein $R^6$ is the same as defined for $R^6$ in the above formula (I),

in the absence or presence of a solvent.

The reaction can more smoothly be made to proceed by suitably using a dehydrating agent, a coupling reagent or a base similar to that in the above preparation process 1.

In the above preparation processes 1 to 6, when a substrate used for each reaction has substitutents regarded as usually reacting under respective reaction conditions in the organic synthetic chemistry or having adverse effects on the reaction, the functional groups can be protected with a known suitable protecting group, and the substrate can be used for the reaction and then deprotected by a conventional known method to afford the objective compound.

In addition, the compounds used in the present invention can be

obtained by further converting (single or plural) substituents of the compound produced by the above preparation process 1 - 6 using a known reaction usually used in the organic synthetic chemistry, for example, an alkylation reaction, an acylation reaction or a reduction reaction.

In the above respective preparation processes, a halogenated hydrocarbon such as dichloromethane or chloroform, an aromatic hydrocarbon such as benzene or toluene, ethers such as diethyl ether or tetrahydrofuran, esters such as ethyl acetate, an aprotic polar solvent such as dimethylformamide, dimethyl sulfoxide or acetonitrile and alcohols such as methanol, ethanol or isopropyl alcohol are suitably used as a reaction solvent according to the reaction.

In each of the preparation processes, the reaction temperature is within the range of –78 to +150 ℃, preferably within the range of 0 to 100℃. After completing the reaction, the objective cyclic amine compounds represented by the above formula (I) can be isolated by carrying out usual isolating and purifying operations, i.e., concentration, filteration, extraction, solid-phase extraction, recrystallization or chromatography. The compounds can be converted into their pharmaceutically acceptable acid addition salts thereof or their $C_1$-$C_6$ alkyl addition salts thereof according to a usual method.

Examples

The present invention is detailed specifically based on Examples; however, the present invention is not restricted to compounds described in the Examples. The Compound number (Compd. No.) assigned to each compound in the following Examples corresponds to the Compd. No. assigned to each compound cited as a preferred specific example in Tables 1.1 to 1.206.

[Reference Example 1] <u>Synthesis of 3-amino-1-(4-chlorobenzyl)pyrrolidine dihydrochloride</u>

4-Chlorobenzyl chloride (4.15 g, 25.8 mmol) and $^{i}Pr_2NEt$ (6.67 g, 51.6 mmol) were added to a DMF (50 mL) solution of 3-[(tert-butoxycarbonyl)amino]pyrrolidine (4.81 g, 25.8 mmol). The reaction mixture was stirred at 70 ℃ for 15 hours, and the solvent was removed under reduced pressure. The objective 3-[(tert-butoxycarbonyl)amino]-1-(4-

chlorobenzyl)pyrrolidine (6.43 g, 80%) was obtained as an off-white solid by recrystallization (acetonitrile, 50 mL). $^1$H NMR ($CDCl_3$, 300MHz) $\delta$ 1.37 (s, 9 H), 1.5-1.7 (br, 1 H), 2.1-2.4 (m, 2 H), 2.5-2.7 (m, 2 H), 2.83 (br, 1 H), 3.57 (s, 2 H), 4.1-4.3 (br, 1 H), 4.9-5.1 (br, 1 H), 7.15-7.35 (br, 4 H); the purity was determined by RPLC/MS (98%). ESI/MS m/e 311.0 ($M^+$+H, $C_{16}H_{24}ClN_2O_2$).

To a methanol solution (80 mL) of the 3-[(tert-butoxycarbonyl)amino]-1-(4-chlorobenzyl)pyrrolidine (6.38 g, 20.5 mmol), was added 1 M HCl-$Et_2O$ (100 mL). The resulting mixture was stirred at 25 ℃ for 15 hours. The solvent was removed under reduced pressure to provide a solid, which was purified by recrystallization (methanol/acetonitrile = 1:2, 130 mL) to thereby afford 3-amino-1-(4-chlorobenzyl)pyrrolidine dihydrochloride (4.939 g, 85%) as a white powder. $^1$H NMR ($d_6$-DMSO, 300MHz) $\delta$ 3.15 (br, 1 H), 3.3-3.75 (br-m, 4 H), 3.9 (br, 1 H), 4.05 (br, 1 H), 4.44 (br, 1 H), 4.54 (br, 1 H), 7.5-7.7 (m, 4 H), 8.45 (br, 1 H), 8.60 (br, 1 H); the purity was determined by RPLC/MS (>99%). ESI/MS m/e 211.0 ($M^+$+H, $C_{11}H_{16}ClN_2$).

Optically active (R)-3-amino-1-(4-chlorobenzyl)pyrrolidine dihydrochloride and (S)-3-amino-1-(4-chlorobenzyl)pyrrolidine dihydrochloride were synthesized by using the respective corresponding starting materials according to the above method. The products exhibited the same $^1$H NMR as that of the above racemate.

[Example 1] Synthesis of 3-(N-benzoylglycyl)amino-1-(4-chlorobenzyl)pyrrolidine (Compd. No. 1)

N-Benzoylglycine (9.3 mg, 0.055 mmol), 3-ethyl-1-[3-(dimethylamino)propyl]carbodiimide hydrochloride (EDCI) (1.05 mg) and 1-hydroxybenzotriazole hydrate (HOBt) (7.4 mg) were added to a chloroform (2.5 mL) solution of 3-amino-1-(4-chlorobenzyl)pyrrolidine dihydrochloride (14.2 mg, 0.050 mmol) and triethylamine (15.2 mg). The resulting reaction mixture was stirred at 25 ℃ for 16 hours and then washed with a 2 M aqueous solution of NaOH (2mL×2) and brine. After filtration through a PTFE membrane filter, the solvent was removed under reduced pressure to provide 3-(N-benzoylglycyl)amino-1-(4-chlorobenzyl)pyrrolidine (Compd. No. 1) as an off-white oil (17.7 mg, 95%). The purity was determined by RPLC/MS (95%). ESI/MS m/e 372.0 ($M^+$+H, $C_{20}H_{22}ClN_3O_2$).

[Examples 2 to 32]

The compounds used in the present invention were synthesized by using the respective corresponding starting materials and reactants according to the method in Example 1. The data of ESI/MS, yields (mg) and yields (%) are collectively shown in Table 2.

Table 2

| Example | Compd. No. | Molecular Formula | ESI/MS m/e | Yield (mg) | Yield (%) |
|---|---|---|---|---|---|
| 2 | 2 | $C_{21}H_{24}ClN_3O_2$ | 386 | 16.4 | 85 |
| 3 | 3 | $C_{19}H_{21}ClN_4O_2$ | 373 | 18.7 | 100 |
| 4 | 4 | $C_{21}H_{21}ClF_3N_3O_2$ | 440 | 57.2 | 69 |
| 5 | 82 | $C_{22}H_{23}ClF_3N_3O_2$ | 454 | 5.6 | 11 |
| 6 | 85 | $C_{21}H_{24}ClN_3O_2$ | 386 | 22.6 | 59 |
| 7 | 86 | $C_{21}H_{23}ClN_4O_4$ | 431 | 21.2 | 98 |
| 8 | 214 | $C_{22}H_{25}ClN_2O_2$ | 385 | 23.9 | 62 |
| 9 | 215 | $C_{23}H_{27}ClN_2O_3$ | 415 | 17.4 | 84 |
| 10 | 216 | $C_{20}H_{23}ClN_2O_2S$ | 391 | 21.6 | Q |
| 11 | 217 | $C_{23}H_{27}ClN_2O_4$ | 431 | 15.3 | 66 |
| 12 | 218 | $C_{23}H_{27}ClN_2O_2$ | 399 | 12.8 | 64 |
| 13 | 219 | $C_{22}H_{24}ClFN_2O_3$ | 419 | 18.1 | 86 |
| 14 | 220 | $C_{22}H_{25}ClN_2O_2$ | 385 | 16.4 | 85 |
| 15 | 221 | $C_{21}H_{23}ClN_2O_2$ | 371 | 14.9 | 80 |
| 16 | 222 | $C_{21}H_{22}Cl_2N_2O_2$ | 405 | 13.3 | 65 |
| 17 | 223 | $C_{25}H_{31}ClN_2O_3$ | 443 | 18.4* | 63 |
| 18 | 224 | $C_{20}H_{23}ClN_2O_3S$ | 407 | 11.2 | 28 |
| 19 | 225 | $C_{22}H_{26}ClN_3O_2$ | 400 | 22.7 | Q |
| 20 | 226 | $C_{23}H_{28}ClN_3O_3$ | 430 | 21.0 | 98 |
| 21 | 227 | $C_{22}H_{25}Cl_2N_3O_2$ | 434 | 21.9 | 100 |
| 22 | 228 | $C_{23}H_{28}ClN_3O_3$ | 430 | 20.8 | 97 |
| 23 | 229 | $C_{25}H_{32}ClN_3O_2$ | 462 | 25.4 | Q |
| 24 | 230 | $C_{26}H_{31}ClFN_3O_2$ | 472 | 26.0 | Q |
| 25 | 231 | $C_{24}H_{28}ClN_3O_3$ | 442 | 30.3* | Q |
| 26 | 232 | $C_{22}H_{32}ClN_3O_2$ | 406 | 3.9 | 19 |
| 27 | 233 | $C_{23}H_{28}ClN_3O_2$ | 414 | 8.5 | 41 |
| 28 | 234 | $C_{22}H_{27}ClN_4O_2$ | 415 | 7.3 | 35 |
| 29 | 235 | $C_{24}H_{29}Cl_2N_3O_2$ | 462 | 9.0 | 39 |

| | | | | | |
|---|---|---|---|---|---|
| 30 | 236 | $C_{25}H_{29}ClN_4O_3S$ | 501 | 17.4 | 69 |
| 31 | 237 | $C_{21}H_{24}ClN_3O_3$ | 402 | 14.2 | 71 |
| 32 | 238 | $C_{21}H_{23}Cl_2N_3O_3$ | 436 | 23.4 | Q |

Notes: * indicates "yield (mg) of trifluoroacetate".

Q means "Quantitative".

[Reference Example 2] Synthesis of (R)-3-[(N-tert-butoxycarbonyl)glycyl]amino-1- (4 chlorobenyl)pyrrolidine

A mixture of (R)-3-amino-1-(4-chlorobenzyl)pyrrolidine dihydrochloride (4.54 g, 16.0 mmol) with a 2 M solution (80 mL) of NaOH and ethyl acetate (80 mL) was stirred, and the organic layer was separated to extract the aqueous layer with ethyl acetate (80 mL×2). The organic layers were combined, dried over anhydrous sodium sulfate, then filtered and concentrated to thereby afford free (R)-3-amino-1-(4-chlorobenzyl)pyrrolidine (3.35 g, 99%).

To a dichloromethane (80 mL) solution of the (R)-3-amino-1-(4-chlorobenzyl)pyrrolidine (3.35 g, 16 mmol), were added triethylamine (2.5 mL, 17.6 mmol), N-tert-butoxycarbonylglycine (2.79 g, 16.0 mmol), EDCI (3.07 g, 16.0 mmol) and HOBt (12.16 g, 16 mmol). The resulting reaction mixture was stirred at 25 ℃ for 16 hours, and a 2 M solution (80 mL) of NaOH was then added thereto. The organic layer was separated, and the aqueous layer was extracted with dichloromethane (100 mL × 3). The organic layers were combined, washed with water (100 mL×2) and brine (100 mL), dried over anhydrous sodium sulfate, filtered, concentrated and purified by column chromatography ($SiO_2$, ethyl acetate) to thereby provide the objective (R)-3- [N-(tert-butoxycarbonyl)glycyl]amino-1-(4-chlorobenzyl)pyrrolidine (5.40 g, 92%).

[Reference Example 3] Synthesis of (R)-1-(4-chlorobenzyl)-3-(glycylamino)pyrrolidine

A 4 M HCl dioxane (38 mL) solution was added to a methanol (60 mL) solution of (R)-3-[N-(tert-butoxycarbonyl)glycyl]amino-1-(4-chlorobenzyl)pyrrolidine (5.39 g, 14.7 mmol). The resulting solution was stirred at room temperature for 2 hours. The reaction mixture was concentrated, and a 2 M solution (80 mL) of NaOH was added. The mixture solution was extracted with dichloromethane (80 mL×3), and the extracts were

combined, dried over anhydrous sodium sulfate, concentrated and purified by column chromatography ($SiO_2$, ethyl acetate/ethanol/triethylamine = 90:5:5) to afford (R)-3-(glycylamino)-1-(4-chlorobenzyl)pyrrolidine (3.374 g, 86%) $^1$H NMR ($CDCl_3$, 270MHz) $\delta$ 1.77 (dd, J = 1.3 and 6.9 Hz, 1 H), 2.20-3.39 (m, 2 H), 2.53 (dd, J = 3.3 and 9.6 Hz, 1 H), 2.62 (dd, J = 6.6 and 9.6 Hz, 1 H), 2.78-2.87 (m, 1 H), 3.31 (s, 2 H), 3.57(s, 2 H), 4.38-4.53 (br, 1 H), 7.18-7.32 (m, 4 H), 7.39(br, s, 1 H).

Other 3-acylamino-1-(4-chlorobenzyl)pyrrolidines were synthesized by using the respective corresponding starting materials and reactants according to the methods of Reference Examples 2 and 3.

(S)–1-(4-chlorobenzyl)-3-(glycylamino)pyrrolidine: 3.45 g, 79% (two steps).

(R)-3-(β-alanylamino)-1-(4-chlorobenzyl)pyrrolidine: 3.79 g, 85% (two steps).

(S)-3-(β-alanylamino)-1-(4-chlorobenzyl)pyrrolidine: 3.72 g, 86% (two steps)

(R)-3-[(S)-alanylamino]-1-(4-chlorobenzyl)pyrrolidine: 368 mg, 65% (two steps).

(R)-3-[(R)-alanylamino]-1-(4-chlorobenzyl)pyrrolidine: 425 mg, 75% (two steps).

(R)-3-[(2S)-2-amino-3-thienylpropanoyl]amino-1-(4-chlorobenzyl)pyrrolidine: 566 mg, 78% (two step).

(R)-3-[(2R)-2-amino-3-thienylpropanoyl]amino-1-(4-chlorobenzyl)pyrrolidine: 5.85 mg, 81% (two steps).

(R)-3-(2-amino-2-methylpropanoyl)amino-1-(4-chlorobenzyl)pyrrolidine: 404 mg, 66% (two steps).

(R)-3-[(2S)-2-amino-4-(methylsulfonyl)butanoyl]amino-1-(4-chlorobenzyl)pyrrolidine: 535 mg, 72% (two steps).

Furthermore, (R)-3-(glycylamino)-1-(4-methylbenzyl)pyrrolidine, (R)-1-(4-bromobenzyl)-3-(glycylamino)pyrrolidine, (R)-1-(2,4-dimethylbenzyl)-3-(glycylamino)pyrrolidine and (R)-1-(3,5-dimethylisoxazol-4-ylmethyl)-3-(glycylamino)pyrrolidine were synthesized by using the respective corresponding starting materials and reactants according to the methods of Reference Examples 1, 2 and 3.

(R)-3-(glycylamino)-1-(4-methylbenzyl)pyrrolidine : 4.65 g, yield 62% (yield from 3-[(tert-butoxycarbonyl)amino]pyrrolidine).

(R)-1-(4-bromobenzyl)-3-(glycylamino)pyrrolidine: 2.55 g, yield 68% (yield from (R)-3-amino-1-(4-bromobenzyl)pyrrolidine); $^1$H NMR ($CDCl_3$ ,270MHz) $\delta$ 1.37-1.78 (m, 3 H), 2.23-2.39 (m, 2 H), 2.50-2.67 (m, 2 H), 2.80-2.89

(m, 1 H), 3.32 (s, 2 H), 3.58 (s, 2 H), 4.39-4.55 (m, 1 H), 7.21 (d, J = 6.5 Hz, 2 H), 7.45 (d, J = 6.5 Hz, 2 H).

(R)-1-(2,4-dimethylbenzyl)-3-(glycylamino)pyrrolidine: 1.56 g, yield 58% (yield from 3-[(tert-butroxycarbonyl)amino]pyrrolidine); $^1$H NMR ($CDCl_3$, 270MHz) $\delta$ 1.55-1.78 (m, 3 H), 2.30 (s, 3 H), 2.23-2.31 (m, 2 H), 2.33 (s, 3 H), 2.51-2.63 (m, 2 H), 2.78-2.87 (m, 1 H), 3.30 (s, 2 H), 3.55 (s, 2 H), 4.38-4.60 (m, 1 H), 6.95 (d, J = 7.6 Hz, 1 H), 6.97 (s, 1 H), 7.13 (d, J = 7.6 Hz, 1 H), 7.43 (br-s, 1 H).

(R)-1-(3,5-dimethylisoxazol-4-ylmethyl)-3-(glycylamino)pyrrolidine: 3.14 g, yield 45% (yield from 3-[(tert- butoxycarbonyl)amino]pyrrolidine).

[Example 33] Synthesis of (S)-3-[N-[3,5-bis(trifluoromethyl)benzoyl]glycyl]amino-1-(4-chlorobenzyl)pyrrolidine (Compd. No. 5).

A chloroform solution (0.4 mL) of 3,5-bis(trifluoromethyl)benzoyl chloride (0.060 mmol) was added to a chloroform (1.0 mL) solution of (S)-1-(4-chlorobenzyl)-3-(glycylamino)pyrrolidine (0.050 mmol) and triethylamine (0.070 mmol). The resulting reaction mixture was stirred at room temperature for 2.5 hours, and an (aminomethyl)polystyrene resin (1.04 mmol/g, 50 mg, 50 mmol) was then added. The prepared mixture was stirred at room temperature for 12 hours. The reaction mixture was filtered, and the resin was washed with dichloromethane (0.5 mL). The filtrate and the washing were combined, and dichloromethane (4 mL) was added. The resulting solution was washed with a 2 M aqueous solution (0.5 mL) of NaOH and concentrated to thereby provide (S)-3-[N-[3,5-bis(trifluoromethyl)benzoyl]glycyl]amino-1-(4-chlorobenzyl)pyrrolidine (Compd. No. 5) (14.4 mg, 57%). The purity was determined by RPLC/MS (97%). ESI/MS m/e 508.0 ($M^+$+H, $C_{22}H_{20}ClF_6N_3O_2$).

[Examples 34 to 239]

The compounds used in the present invention were synthesized by using the respective corresponding starting materials and reactants according to the method of Example 33. Data of ESI/MS, yields (mg) and yields (%) are collectively shown on Table 3.

Table 3

| Example | Compd. No. | Molecular Formula | ESI/MS m/e | Yield (mg) | Yield (%) |
|---|---|---|---|---|---|
| 34 | 5 | $C_{22}H_{20}ClF_6N_3O_2$ | 508.0 | 14.4 | 57 |
| 35 | 6 | $C_{21}H_{21}ClF_3N_3O_2$ | 440.0 | 17.0 | 77 |
| 36 | 7 | $C_{20}H_{21}BrClN_3O_2$ | 450.0 | 17.7 | 79 |
| 37 | 8 | $C_{20}H_{21}ClFN_3O_2$ | 390.0 | 12.7 | 65 |
| 38 | 9 | $C_{20}H_{20}Cl_3N_3O_2$ | 440.0 | 39.0 | Q |
| 39 | 10 | $C_{21}H_{24}ClN_3O_3$ | 402.5 | 23.5 | Q |
| 40 | 11 | $C_{22}H_{26}ClN_3O_4$ | 432.5 | 22.4 | Q |
| 41 | 12 | $C_{22}H_{26}ClN_3O_4$ | 432.5 | 15.9 | 74 |
| 42 | 13 | $C_{21}H_{21}ClF_3N_3O_2$ | 440.0 | 13.1 | 60 |
| 43 | 14 | $C_{21}H_{24}ClN_3O_2$ | 386.0 | 16.4 | 85 |
| 44 | 15 | $C_{20}H_{21}Cl_2N_3O_2$ | 406.0 | 15.7 | 77 |
| 45 | 16 | $C_{21}H_{24}ClN_3O_2$ | 402.0 | 28.2 | Q |
| 46 | 17 | $C_{20}H_{20}Cl_3N_3O_2$ | 442.0 | 35.6 | Q |
| 47 | 18 | $C_{21}H_{21}ClN_4O_2$ | 397.5 | 22.8 | Q |
| 48 | 19 | $C_{21}H_{22}ClN_3O_4$ | 416.0 | 16.3 | 78 |
| 49 | 20 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 24.9 | Q |
| 50 | 21 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 17.9 | 78 |
| 51 | 22 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 9.4 | 41 |
| 52 | 23 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 15.4 | 67 |
| 53 | 24 | $C_{21}H_{21}ClF_3N_3O_3$ | 456.0 | 20.7 | 91 |
| 54 | 25 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 18.5 | 81 |
| 55 | 26 | $C_{20}H_{21}ClN_4O_4$ | 417.0 | 21.9 | Q |
| 56 | 27 | $C_{20}H_{21}ClN_4O_4$ | 417.0 | 16.8 | 81 |
| 57 | 28 | $C_{20}H_{21}ClN_4O_4$ | 417.0 | 6.8 | 33 |
| 58 | 29 | $C_{22}H_{20}ClF_6N_3O_2$ | 508.0 | 20.8 | 82 |
| 59 | 30 | $C_{21}H_{21}ClF_3N_3O_2$ | 440.0 | 15.2 | 69 |
| 60 | 31 | $C_{20}H_{21}BrClN_3O_2$ | 450.0 | 15.6 | 69 |
| 61 | 32 | $C_{20}H_{21}ClFN_3O_2$ | 390.0 | 11.8 | 61 |
| 62 | 33 | $C_{20}H_{20}Cl_3N_3O_2$ | 440.0 | 15.8 | 72 |
| 63 | 34 | $C_{21}H_{24}ClN_3O_3$ | 402.5 | 33.8 | Q |
| 64 | 35 | $C_{22}H_{26}ClN_3O_4$ | 432.5 | 56.1 | Q |
| 65 | 36 | $C_{22}H_{26}ClN_3O_4$ | 432.5 | 37.6 | Q |
| 66 | 37 | $C_{21}H_{21}ClF_3N_3O_2$ | 440.0 | 12.6 | 57 |
| 67 | 38 | $C_{21}H_{24}ClN_3O_2$ | 386.0 | 12.3 | 64 |
| 68 | 39 | $C_{20}H_{21}Cl_2N_3O_2$ | 406.0 | 15.9 | 78 |

| | | | | | |
|---|---|---|---|---|---|
| 69 | 40 | $C_{21}H_{24}ClN_3O_2$ | 402.0 | 11.6 | 58 |
| 70 | 41 | $C_{20}H_{20}Cl_3N_3O_2$ | 442.0 | 17.8 | 81 |
| 71 | 42 | $C_{21}H_{21}ClN_4O_2$ | 397.5 | 22.4 | Q |
| 72 | 43 | $C_{21}H_{22}ClN_3O_4$ | 416.0 | 30.1 | Q |
| 73 | 44 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 13.4 | 59 |
| 74 | 45 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 13.2 | 58 |
| 75 | 46 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 14.4 | 63 |
| 76 | 47 | $C_{21}H_{21}ClF_3N_3O_3$ | 456.0 | 16.4 | 72 |
| 77 | 48 | $C_{21}H_{20}ClF_4N_3O_2$ | 458 | 16.5 | 72 |
| 78 | 49 | $C_{20}H_{21}ClN_4O_4$ | 417.0 | 12.5 | 60 |
| 79 | 50 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 26.3 | Q |
| 80 | 51 | $C_{20}H_{21}BrClN_3O_2$ | 450.0 | 8.6 | 38 |
| 81 | 52 | $C_{20}H_{21}ClFN_3O_2$ | 390.5 | 4.1 | 21 |
| 82 | 53 | $C_{20}H_{21}Cl_2N_3O_2$ | 406.0 | 5.4 | 27 |
| 83 | 54 | $C_{20}H_{20}Cl_3N_3O_2$ | 440.0 | 8.8 | 40 |
| 84 | 55 | $C_{20}H_{20}BrCl_4N_3O_2$ | 440.0 | 7.7 | 35 |
| 85 | 56 | $C_{21}H_{24}ClN_3O_2$ | 386.0 | 4.8 | 25 |
| 86 | 57 | $C_{22}H_{26}ClN_3O_4$ | 429.5 | 4.9 | 23 |
| 87 | 58 | $C_{20}H_{21}Cl_2N_3O_2$ | 406.0 | 4.1 | 20 |
| 88 | 59 | $C_{20}H_{21}BrClN_3O_2$ | 452.0 | 3.5 | 16 |
| 89 | 60 | $C_{26}H_{26}ClN_3O_2$ | 448.5 | 7.3 | 33 |
| 90 | 61 | $C_{21}H_{21}ClF_3N_3O_2$ | 440.0 | 7.1 | 32 |
| 91 | 62 | $C_{21}H_{24}ClN_3O_2$ | 386.0 | 10.4 | 54 |
| 92 | 63 | $C_{22}H_{26}ClN_3O_2$ | 400.5 | 6.0 | 30 |
| 93 | 64 | $C_{21}H_{21}ClN_4O_2$ | 397.0 | 7.0 | 35 |
| 94 | 65 | $C_{24}H_{24}ClN_3O_2$ | 422.0 | 7.7 | 36 |
| 95 | 66 | $C_{24}H_{24}ClN_3O_2$ | 422.0 | 6.3 | 30 |
| 96 | 67 | $C_{20}H_{20}ClF_2N_3O_2$ | 408.0 | 4.7 | 23 |
| 97 | 68 | $C_{20}H_{20}ClF_2N_3O_2$ | 408.0 | 7.8 | 38 |
| 98 | 69 | $C_{20}H_{20}ClF_2N_3O_2$ | 408.0 | 7.3 | 36 |
| 99 | 70 | $C_{20}H_{20}ClF_2N_3O_2$ | 408.0 | 9.1 | 45 |
| 100 | 71 | $C_{22}H_{26}ClN_3O_4$ | 429.0 | 5.6 | 26 |
| 101 | 72 | $C_{21}H_{21}ClF_3N_3O_2$ | 456.0 | 6.2 | 27 |
| 102 | 73 | $C_{21}H_{21}ClF_3N_3O_2$ | 456.5 | 16.8 | 74 |
| 103 | 74 | $C_{22}H_{24}ClN_3O_4$ | 430.0 | 16.4 | 76 |
| 104 | 75 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 16.1 | 70 |
| 105 | 76 | $C_{21}H_{20}ClF_4N_3O_2$ | 458.0 | 17.0 | 74 |
| 106 | 77 | $C_{20}H_{19}ClF_3N_3O_2$ | 426.0 | 16.2 | 76 |

| | | | | | |
|---|---|---|---|---|---|
| 107 | 78 | $C_{20}H_{19}ClF_3N_3O_2$ | 426.0 | 18.0 | 85 |
| 108 | 79 | $C_{22}H_{20}ClF_6N_3O_2$ | 508.0 | 18.8 | 74 |
| 109 | 80 | $C_{22}H_{20}ClF_6N_3O_2$ | 508.0 | 16.4 | 65 |
| 110 | 81 | $C_{22}H_{26}ClN_3O_2$ | 400.0 | 13.9 | 70 |
| 111 | 83 | $C_{20}H_{21}ClN_4O_4$ | 417.0 | 16.0 | 77 |
| 112 | 84 | $C_{20}H_{21}ClN_4O_4$ | 417.0 | 21.6 | Q |
| 113 | 87 | $C_{23}H_{22}ClF_6N_3O_2$ | 522.0 | 17.5 | 67 |
| 114 | 88 | $C_{22}H_{23}ClF_3N_3O_2$ | 454.0 | 13.9 | 61 |
| 115 | 89 | $C_{21}H_{23}BrClN_3O_2$ | 466.0 | 15.4 | 66 |
| 116 | 90 | $C_{21}H_{23}ClFN_3O_2$ | 404.0 | 10.7 | 53 |
| 117 | 91 | $C_{21}H_{22}Cl_3N_3O_2$ | 456.0 | 13.7 | 60 |
| 118 | 92 | $C_{22}H_{26}ClN_3O_3$ | 416.0 | 38.4 | Q |
| 119 | 93 | $C_{23}H_{28}ClN_3O_4$ | 446.0 | 25.2 | Q |
| 120 | 94 | $C_{23}H_{28}ClN_3O_4$ | 446.0 | 16.5 | 74 |
| 121 | 95 | $C_{22}H_{23}ClF_3N_3O_2$ | 454.0 | 16.3 | 72 |
| 122 | 96 | $C_{22}H_{26}ClN_3O_2$ | 400.5 | 16.7 | 84 |
| 123 | 97 | $C_{21}H_{23}Cl_2N_3O_2$ | 420.0 | 11.2 | 53 |
| 124 | 98 | $C_{22}H_{26}ClN_3O_2$ | 416.5 | 11.8 | 57 |
| 125 | 99 | $C_{21}H_{22}Cl_3N_3O_2$ | 454.0 | 14.8 | 65 |
| 126 | 100 | $C_{22}H_{23}ClN_4O_2$ | 411.0 | 9.5 | 46 |
| 127 | 101 | $C_{22}H_{24}ClN_3O_4$ | 430.5 | 13.2 | 61 |
| 128 | 102 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 13.1 | 56 |
| 129 | 103 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 36.5 | Q |
| 130 | 104 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 22.8 | 97 |
| 131 | 105 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 20.1 | 85 |
| 132 | 106 | $C_{22}H_{23}ClF_3N_3O_3$ | 470.0 | 27.4 | Q |
| 133 | 107 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 18.5 | 78 |
| 134 | 108 | $C_{21}H_{23}ClN_4O_4$ | 431.0 | 11.9 | 55 |
| 135 | 109 | $C_{21}H_{23}ClN_4O_4$ | 431.0 | 23.9 | Q |
| 136 | 110 | $C_{21}H_{23}ClN_4O_4$ | 431.0 | 24.4 | Q |
| 137 | 111 | $C_{23}H_{22}ClF_6N_3O_2$ | 522.0 | 9.5 | 36 |
| 138 | 112 | $C_{22}H_{23}ClF_3N_3O_2$ | 454.0 | 3.9 | 17 |
| 139 | 113 | $C_{21}H_{23}BrClN_3O_2$ | 466.0 | 7.5 | 32 |
| 140 | 114 | $C_{21}H_{23}ClFN_3O_2$ | 404.0 | 6.1 | 30 |
| 141 | 115 | $C_{21}H_{22}Cl_3N_3O_2$ | 456.0 | 6.6 | 29 |
| 142 | 116 | $C_{22}H_{26}ClN_3O_3$ | 416.0 | 4.8 | 23 |
| 143 | 117 | $C_{23}H_{28}ClN_3O_4$ | 446.0 | 6.4 | 29 |
| 144 | 118 | $C_{23}H_{28}ClN_3O_4$ | 446.0 | 24.6 | Q |

| | | | | | |
|---|---|---|---|---|---|
| 145 | 119 | $C_{22}H_{23}ClF_3N_3O_2$ | 454.0 | 5.2 | 23 |
| 146 | 120 | $C_{22}H_{26}ClN_3O_2$ | 400.5 | 4.4 | 22 |
| 147 | 121 | $C_{21}H_{23}Cl_2N_3O_2$ | 420.0 | 7.8 | 37 |
| 148 | 122 | $C_{22}H_{26}ClN_3O_2$ | 416.5 | 14.1 | 68 |
| 149 | 123 | $C_{21}H_{22}Cl_3N_3O_2$ | 454.0 | 5.4 | 24 |
| 150 | 124 | $C_{22}H_{23}ClN_4O_2$ | 411.0 | 34.0 | Q |
| 151 | 125 | $C_{22}H_{24}ClN_3O_4$ | 430.5 | 32.0 | Q |
| 152 | 126 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 4.6 | 19 |
| 153 | 127 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 10.4 | 44 |
| 154 | 128 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 7.3 | 31 |
| 155 | 129 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 13.5 | 57 |
| 156 | 130 | $C_{22}H_{23}ClF_3N_3O_3$ | 470.0 | 15.1 | 64 |
| 157 | 131 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 8.6 | 36 |
| 158 | 132 | $C_{21}H_{23}ClN_4O_4$ | 431.0 | 4.4 | 20 |
| 159 | 133 | $C_{21}H_{23}ClN_4O_4$ | 431.0 | 32.0 | Q |
| 160 | 134 | $C_{21}H_{23}ClN_4O_4$ | 431.0 | 6.9 | 32 |
| 161 | 135 | $C_{21}H_{23}BrClN_3O_2$ | 466.0 | 7.8 | 34 |
| 162 | 136 | $C_{21}H_{23}ClFN_3O_2$ | 404.0 | 13.7 | 68 |
| 163 | 137 | $C_{21}H_{23}Cl_2N_3O_2$ | 420.5 | 14.6 | 69 |
| 164 | 138 | $C_{21}H_{22}Cl_3N_3O_2$ | 454.0 | 17.7 | 78 |
| 165 | 139 | $C_{21}H_{22}BrCl_4N_3O_2$ | 454.0 | 17.2 | 76 |
| 166 | 140 | $C_{22}H_{26}ClN_3O_2$ | 400.0 | 15.0 | 75 |
| 167 | 141 | $C_{23}H_{28}ClN_3O_4$ | 443.5 | 13.9 | 62 |
| 168 | 142 | $C_{21}H_{23}Cl_2N_3O_2$ | 420.0 | 13.7 | 65 |
| 169 | 143 | $C_{21}H_{23}BrClN_3O_2$ | 464.0 | 16.1 | 69 |
| 170 | 144 | $C_{27}H_{28}ClN_3O_2$ | 462.0 | 17.6 | 76 |
| 171 | 145 | $C_{22}H_{23}ClF_3N_3O_2$ | 454.0 | 16.0 | 71 |
| 172 | 146 | $C_{22}H_{26}ClN_3O_2$ | 400.0 | 14.9 | 75 |
| 173 | 147 | $C_{23}H_{28}ClN_3O_2$ | 414.0 | 16.2 | 78 |
| 174 | 148 | $C_{22}H_{23}ClN_4O_2$ | 411.0 | 14.9 | 73 |
| 175 | 149 | $C_{25}H_{26}ClN_3O_2$ | 436.0 | 17.1 | 78 |
| 176 | 150 | $C_{25}H_{26}ClN_3O_2$ | 436.0 | 13.1 | 60 |
| 177 | 151 | $C_{21}H_{22}ClF_2N_3O_2$ | 422.0 | 14.8 | 70 |
| 178 | 152 | $C_{21}H_{22}ClF_2N_3O_2$ | 422.0 | 15.3 | 73 |
| 179 | 153 | $C_{21}H_{22}ClF_2N_3O_2$ | 422.0 | 15.3 | 73 |
| 180 | 154 | $C_{21}H_{22}ClF_2N_3O_2$ | 422.0 | 16.4 | 78 |
| 181 | 155 | $C_{23}H_{28}ClN_3O_4$ | 443.0 | 16.9 | 76 |
| 182 | 156 | $C_{22}H_{23}ClF_3N_3O_2$ | 470.5 | 12.6 | 54 |

| | | | | | |
|---|---|---|---|---|---|
| 183 | 157 | $C_{22}H_{23}ClF_3N_3O_2$ | 470.0 | 20.0 | 85 |
| 184 | 158 | $C_{23}H_{26}ClN_3O_4$ | 444.0 | 17.4 | 78 |
| 185 | 159 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 18.4 | 78 |
| 186 | 160 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 19.6 | 83 |
| 187 | 161 | $C_{21}H_{21}ClF_3N_3O_2$ | 440.0 | 17.0 | 77 |
| 188 | 162 | $C_{21}H_{21}ClF_3N_3O_2$ | 440.0 | 17.1 | 78 |
| 189 | 163 | $C_{23}H_{22}ClF_6N_3O_2$ | 522.0 | 20.8 | 80 |
| 190 | 164 | $C_{23}H_{22}ClF_6N_3O_2$ | 522.0 | 2.7 | 10 |
| 191 | 165 | $C_{23}H_{28}ClN_3O_2$ | 414.0 | 16.4 | 79 |
| 192 | 166 | $C_{22}H_{23}ClF_3N_3O_2$ | 454.0 | 8.6 | 38 |
| 193 | 167 | $C_{21}H_{23}BrClN_3O_2$ | 464.0 | 11.6 | 50 |
| 194 | 168 | $C_{21}H_{23}Cl_2N_3O_2$ | 420.0 | 11.5 | 55 |
| 195 | 169 | $C_{21}H_{22}Cl_3N_3O_2$ | 454.0 | 10.0 | 44 |
| 196 | 170 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 10.4 | 44 |
| 197 | 171 | $C_{21}H_{23}Cl_2N_3O_2$ | 420.0 | 8.9 | 42 |
| 198 | 172 | $C_{21}H_{24}ClN_3O_2$ | 386.0 | 10.3 | 53 |
| 199 | 173 | $C_{21}H_{23}ClN_4O_4$ | 431.0 | 14.6 | 68 |
| 200 | 174 | $C_{22}H_{23}ClF_3N_3O_2$ | 454.0 | 10.4 | 46 |
| 201 | 175 | $C_{21}H_{23}BrClN_3O_2$ | 464.0 | 13.4 | 58 |
| 202 | 176 | $C_{21}H_{23}Cl_2N_3O_2$ | 420.0 | 12.7 | 60 |
| 203 | 177 | $C_{21}H_{22}Cl_3N_3O_2$ | 454.0 | 13.2 | 58 |
| 204 | 178 | $C_{22}H_{22}ClF_4N_3O_2$ | 472.0 | 12.9 | 55 |
| 205 | 179 | $C_{21}H_{23}Cl_2N_3O_2$ | 420.0 | 13.3 | 63 |
| 206 | 180 | $C_{21}H_{24}ClN_3O_2$ | 386.0 | 24.2 | Q |
| 207 | 181 | $C_{21}H_{23}ClN_4O_4$ | 431.0 | 1.0 | 1 |
| 208 | 182 | $C_{23}H_{25}ClF_3N_3O_2$ | 468.0 | 15.1 | 65 |
| 209 | 183 | $C_{22}H_{25}BrClN_3O_2$ | 478.0 | 18.0 | 75 |
| 210 | 184 | $C_{22}H_{25}Cl_2N_3O_2$ | 434.0 | 16.3 | 75 |
| 211 | 185 | $C_{22}H_{24}Cl_3N_3O_2$ | 468.0 | 18.6 | 79 |
| 212 | 186 | $C_{23}H_{24}ClF_4N_3O_2$ | 486.0 | 16.5 | 68 |
| 213 | 187 | $C_{22}H_{25}Cl_2N_3O_2$ | 434.0 | 14.4 | 66 |
| 214 | 188 | $C_{22}H_{26}ClN_3O_2$ | 400.0 | 14.0 | 70 |
| 215 | 189 | $C_{22}H_{25}ClN_4O_4$ | 445.0 | 16.8 | 76 |
| 216 | 190 | $C_{26}H_{25}ClF_3N_3O_2S$ | 536.0 | 17.7 | 66 |
| 217 | 191 | $C_{25}H_{25}BrClN_3O_2S$ | 546.0 | 20.4 | 75 |
| 218 | 192 | $C_{25}H_{25}Cl_2N_3O_2S$ | 502.0 | 16.9 | 67 |
| 219 | 193 | $C_{25}H_{24}Cl_3N_3O_2S$ | 536.0 | 18.3 | 68 |
| 220 | 194 | $C_{26}H_{24}ClF_4N_3O_2S$ | 554.0 | 19.4 | 70 |

| | | | | | |
|---|---|---|---|---|---|
| 221 | 195 | $C_{25}H_{25}Cl_2N_3O_2S$ | 502.0 | 19.1 | 76 |
| 222 | 196 | $C_{25}H_{26}ClN_3O_2S$ | 468.0 | 16.0 | 68 |
| 223 | 197 | $C_{25}H_{25}ClN_4O_4S$ | 513.0 | 18.4 | 72 |
| 224 | 198 | $C_{26}H_{25}ClF_3N_3O_2S$ | 536.0 | 13.9 | 52 |
| 225 | 199 | $C_{25}H_{25}BrClN_3O_2S$ | 546.0 | 12.9 | 47 |
| 226 | 200 | $C_{25}H_{25}Cl_2N_3O_2S$ | 502.0 | 15.6 | 62 |
| 227 | 201 | $C_{25}H_{24}Cl_3N_3O_2S$ | 536.0 | 17.3 | 64 |
| 228 | 202 | $C_{26}H_{24}ClF_4N_3O_2S$ | 554.0 | 15.4 | 56 |
| 229 | 203 | $C_{25}H_{25}Cl_2N_3O_2S$ | 502.0 | 13.5 | 54 |
| 230 | 204 | $C_{25}H_{26}ClN_3O_2S$ | 468.0 | 13.7 | 59 |
| 231 | 205 | $C_{25}H_{25}ClN_4O_4S$ | 513.0 | 13.9 | 54 |
| 232 | 206 | $C_{24}H_{27}ClF_3N_3O_4S$ | 546.0 | 10.0 | 37 |
| 233 | 207 | $C_{23}H_{27}BrClN_3O_4S$ | 558.0 | 17.1 | 61 |
| 234 | 208 | $C_{23}H_{27}Cl_2N_3O_4S$ | 512.0 | 17.0 | 66 |
| 235 | 209 | $C_{23}H_{26}Cl_3N_3O_4S$ | 546.0 | 7.3 | 27 |
| 236 | 210 | $C_{24}H_{26}ClF_4N_3O_4S$ | 564.0 | 19.2 | 68 |
| 237 | 211 | $C_{23}H_{27}Cl_2N_3O_4S$ | 512.0 | 7.9 | 31 |
| 238 | 212 | $C_{23}H_{28}ClN_3O_4S$ | 478.0 | 13.7 | 57 |
| 239 | 213 | $C_{23}H_{27}ClN_4O_4S$ | 523.0 | 5.5 | 21 |

Note: Q means "Quantitative".

[Example 240] Synthesis of (R)-3-[N-[3-fluoro-5-(trifluoromethyl)benzoyl]glycyl]amino-1-(3,5-dimethylisoxazol-4-ylmethyl)pyrrolidine (Compd. No. 1191)

A dichloromethane solution (1 mL) of 3-fluoro-5-(trifluoromethyl)benzoyl chloride (0.058 mmol) was added to a solution of (R)-1-(3,5-dimethylisoxazol-4-ylmethyl)-3-(glycylamino)pyrrolidine (0.050 mmol) and a piperidinomethylpolystyrene (58 mg) in chloroform (0.2 mL) and dichloromethane (0.75 ml). The reaction mixture was stirred at room temperature for 2 hours, and methanol (1.0 mL) was then added. The resulting mixture was stirred at room temperature for 10 hours. The reaction mixture was loaded onto a Varian™ SCX column and washed with methanol (16 mL). The obtained crude product was eluted with a solution of 2 M $NH_3$ in methanol (6 mL) and concentrated to provide (R)-3-[N-[3-fluoro-5-(trifluoromethyl)benzoyl]glycyl]amino-1-(3,5-dimethylisoxazol-4-ylmethyl)pyrrolidine (Compd. No. 1191) (19.5 mg, 88%). The purity was

determined by RPLC/MS (100%). ESI/MS m/e 443.2 ($M^+$+H, $C_{20}H_{22}F_4N_4O_3$).

[Examples 241 to 265]

The compounds used in the present invention were synthesized by using the respective corresponding starting materials and reactants according to the method of Example 240. Data of ESI/MS, yields (mg) and yields (%) are collectively shown in Table 4.

Table 4

| Example | Compd. No. | Molecular Formula | ESI/MS m/e | Yield (mg) | Yield (%) |
|---|---|---|---|---|---|
| 241 | 1192 | $C_{20}H_{22}F_4N_4O_3$ | 443.2 | 19.2 | 87 |
| 242 | 1193 | $C_{20}H_{23}F_3N_4O_4$ | 441.0 | 17.5 | 79 |
| 243 | 1194 | $C_{21}H_{22}F_6N_4O_3$ | 493.0 | 20.4 | 83 |
| 244 | 1195 | $C_{19}H_{23}BrN_4O_3$ | 435.1 | 16.8 | 77 |
| 245 | 1196 | $C_{19}H_{23}N_5O_5$ | 402.2 | 16.2 | 81 |
| 246 | 1197 | $C_{20}H_{22}F_4N_4O_3$ | 443.2 | 17.6 | 80 |
| 247 | 1198 | $C_{19}H_{23}ClN_4O_3$ | 391.0 | 16.5 | 84 |
| 248 | 1199 | $C_{20}H_{26}N_4O_3$ | 371.0 | 16.1 | 87 |
| 249 | 1200 | $C_{19}H_{22}Cl_2N_4O_3$ | 425.0 | 18.0 | 85 |
| 250 | 1201 | $C_{19}H_{22}F_2N_4O_3$ | 393.0 | 16.6 | 85 |
| 251 | 1202 | $C_{20}H_{22}F_4N_4O_3$ | 443.2 | 16.8 | 76 |
| 252 | 1203 | $C_{22}H_{24}F_3N_3O_3$ | 436.2 | 17.1 | 79 |
| 253 | 1204 | $C_{23}H_{23}F_6N_3O_2$ | 488.2 | 18.1 | 74 |
| 254 | 1205 | $C_{21}H_{24}BrN_3O_2$ | 430.0 | 17.5 | 81 |
| 255 | 1206 | $C_{21}H_{24}N_4O_4$ | 397.0 | 16.2 | 82 |
| 256 | 1207 | $C_{22}H_{23}F_4N_3O_2$ | 438.2 | 17.5 | 80 |
| 257 | 1208 | $C_{21}H_{24}ClN_3O_2$ | 386.0 | 15.8 | 82 |
| 258 | 1209 | $C_{22}H_{27}N_3O_2$ | 366.0 | 15.7 | 86 |
| 259 | 1210 | $C_{21}H_{23}Cl_2N_3O_2$ | 420.0 | 17.8 | 85 |
| 260 | 1211 | $C_{21}H_{23}F_2N_3O_2$ | 388.0 | 16.3 | 84 |
| 261 | 1212 | $C_{22}H_{23}F_4N_3O_2$ | 438.2 | 17.4 | 80 |
| 262 | 1213 | $C_{24}H_{24}ClF_6N_3O_2$ | 536.2 | 24.0 | 90 |
| 263 | 1214 | $C_{23}H_{24}ClF_4N_3O_3$ | 486.2 | 22.2 | 91 |
| 264 | 1215 | $C_{22}H_{24}Cl_3N_3O_2$ | 467.9 | 20.9 | 89 |
| 265 | 1216 | $C_{22}H_{24}ClF_2N_3O_2$ | 436.0 | 19.3 | 89 |

[Example 266] Synthesis of (R)-1-(4-chlorobenzyl)-3-[[N-(4-dimethylaminobenzoyl)glycyl]amino]pyrrolidine (Compd. No. 952)

Triethylamine (0.021 mL, 0.15 mmol), 4-(dimethylamino)benzoic acid (10 mg, 0.061 mmol), EDCI (10.2 mg, 0.053 mmol) and HOBt (7.5 mg, 0.055 mmol) were added to a chloroform (2 mL) solution of (R)-1-(4-chlorobenzyl)-3-(glycylamino)pyrrolidine (13.8 mg, 0.052 mmol). The resulting reaction mixture was stirred at room temperature for 15 hours. The solution was washed with a 2 M aqueous solution of NaOH (2 mL×2) and brine (2 mL), filtered through a PTFE membrane by using dichloromethane (3 mL), dried and concentrated to thereby afford (R)-1-(4-chlorobenzyl)-3-[[N-(4-dimethylaminobenzoyl)glycyl]amino]pyrrolidine (Compd. No. 952) (24.9 mg). The purity was determined by RPLC/MS (91%). ESI/MS m/e 415.0 ($M^+$+H, $C_{22}H_{27}ClN_4O_2$).

[Examples 267 to 347]

The compounds used in the present invention were synthesized by using the respective corresponding starting materials and reactants according to the method of Example 266. The obtained products, if necessary, were purified by solid-phase extraction (Varian™ SCX column) or chromatography (HPLC-$C_{18}$) to provide the objective compounds. Data of ESI/MS, yields (mg) and yields (%) are collectively shown in Table 5.

Table 5

| Example | Compd. No. | Molecular Formula | ESI/MS m/e | Yield (mg) | Yield (%) |
|---|---|---|---|---|---|
| 267 | 951 | $C_{22}H_{24}ClN_3O_4$ | 430.0 | 26.3 | Q |
| 268 | 953 | $C_{23}H_{29}ClN_4O_2$ | 429.0 | 28.8 | Q |
| 269 | 954 | $C_{21}H_{25}ClN_4O_2$ | 401.0 | 27.9 | Q |
| 270 | 955 | $C_{22}H_{27}ClN_4O_2$ | 415.0 | 26.8 | Q |
| 271 | 956 | $C_{21}H_{24}ClN_3O_3$ | 402.0 | 10.3 | 51 |
| 272 | 957 | $C_{20}H_{22}ClN_3O_3$ | 388.0 | 1.4 | 7 |
| 273 | 958 | $C_{21}H_{24}ClN_3O_3$ | 402.5 | 1.2 | 6 |
| 274 | 959 | $C_{22}H_{25}ClN_4O_3$ | 429.5 | 4.7 | 22 |
| 275 | 960 | $C_{23}H_{27}ClN_4O_3$ | 443.0 | 10.9 | 49 |
| 276 | 961 | $C_{21}H_{25}ClN_4O_2$ | 401.0 | 28.4 | Q |
| 277 | 962 | $C_{22}H_{27}ClN_4O_2$ | 415.0 | 24.9 | Q |
| 278 | 963 | $C_{21}H_{24}ClN_3O_3$ | 402.0 | 4.4 | 22 |

| | | | | | |
|---|---|---|---|---|---|
| 279 | 964 | $C_{22}H_{24}ClN_3O_4$ | 430.0 | 29.5 | Q |
| 280 | 965 | $C_{23}H_{26}ClN_3O_4$ | 444.0 | 27.2 | Q |
| 281 | 966 | $C_{22}H_{24}ClN_3O_3$ | 414.0 | 27.0 | Q |
| 282 | 967 | $C_{23}H_{26}ClN_3O_3$ | 428.0 | 27.0 | Q |
| 283 | 968 | $C_{22}H_{23}ClN_4O_2$ | 411.0 | 21.4 | Q |
| 284 | 969 | $C_{23}H_{25}ClN_4O_2$ | 425.0 | 27.6 | Q |
| 285 | 970 | $C_{22}H_{27}ClN_4O_2$ | 415.0 | 28.6 | Q |
| 286 | 971 | $C_{23}H_{29}ClN_4O_2$ | 429.0 | 27.9 | Q |
| 287 | 972 | $C_{20}H_{23}ClN_4O_2$ | 387.0 | 26.2 | Q |
| 288 | 973 | $C_{21}H_{25}ClN_4O_2$ | 401.0 | 26.8 | Q |
| 289 | 974 | $C_{20}H_{23}ClN_4O_2$ | 387.0 | 26.6 | Q |
| 290 | 975 | $C_{21}H_{25}ClN_4O_2$ | 401.0 | 28.2 | Q |
| 291 | 976 | $C_{22}H_{23}ClN_4O_2$ | 411.0 | 29.2 | Q |
| 292 | 977 | $C_{23}H_{25}ClN_4O_2$ | 425.0 | 29.5 | Q |
| 293 | 978 | $C_{20}H_{21}ClN_6O_2$ | 413.0 | 2.2 | 11 |
| 294 | 979 | $C_{21}H_{23}ClN_6O_2$ | 427.0 | 10.2 | 48 |
| 295 | 980 | $C_{22}H_{25}ClN_4O_3$ | 429.0 | 28.8 | Q |
| 296 | 981 | $C_{23}H_{27}ClN_4O_3$ | 443.0 | 11.9 | 54 |
| 297 | 982 | $C_{22}H_{27}ClN_4O_2$ | 415.0 | 27.4 | Q |
| 298 | 983 | $C_{23}H_{29}ClN_4O_2$ | 429.5 | 28.1 | Q |
| 299 | 984 | $C_{21}H_{24}ClN_3O_3$ | 402.0 | 27.7 | Q |
| 300 | 985 | $C_{22}H_{26}ClN_3O_3$ | 416.0 | 28.6 | Q |
| 301 | 1149 | $C_{21}H_{28}N_4O_4$ | 401 | 15.5* | 38 |
| 302 | 1150 | $C_{21}H_{28}N_4O_3$ | 385 | 10.9* | 28 |
| 303 | 1151 | $C_{21}H_{25}F_3N_4O_3$ | 439 | 17.3* | 39 |
| 304 | 1152 | $C_{21}H_{24}FN_5O_3$ | 415 | 12.7* | 30 |
| 305 | 1153 | $C_{21}H_{24}ClN_5O_3$ | 430 | 17.5* | 41 |
| 306 | 1154 | $C_{22}H_{27}N_5O_3$ | 410 | 20.6* | 50 |
| 307 | 1155 | $C_{19}H_{23}F_3N_4O_4$ | 429 | 13.8* | 32 |
| 308 | 1156 | $C_{21}H_{30}N_4O_4$ | 403 | 17.7* | 43 |
| 309 | 1157 | $C_{18}H_{24}N_4O_3S_2$ | 409 | 12.6* | 30 |
| 310 | 1158 | $C_{19}H_{23}Cl_2N_5O_3$ | 440 | 16.9* | 38 |
| 311 | 1159 | $C_{22}H_{31}N_5O_6$ | 462 | 38.6* | 85 |
| 312 | 1160 | $C_{20}H_{26}BrN_5O_3$ | 464 | 20.4 | 45 |
| 313 | 1289 | $C_{20}H_{27}N_5O_4$ | 403 | 5.8* | 14 |
| 314 | 1290 | $C_{21}H_{29}N_5O_3$ | 400 | 6.9* | 17 |
| 315 | 1291 | $C_{24}H_{28}N_4O_2$ | 405 | 22.4 | 68 |
| 316 | 1292 | $C_{22}H_{27}BrN_4O_2$ | 461 | 23.8 | 15 |

# DEMANDES OU BREVETS VOLUMINEUX

## LA PRÉSENTE PARTIE DE CETTE DEMANDE OU CE BREVETS COMPREND PLUS D'UN TOME.

## CECI EST LE TOME __1___ DE __2___

NOTE: Pour les tomes additionels, veillez contacter le Bureau Canadien des Brevets.

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# JUMBO APPLICATIONS / PATENTS

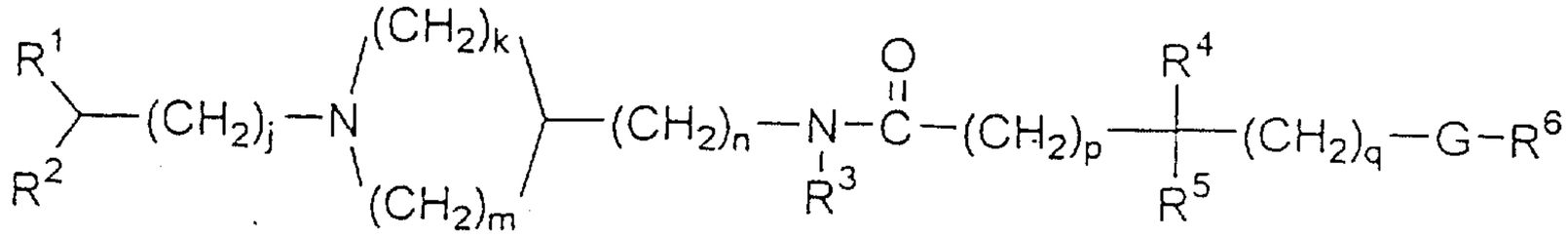
## THIS SECTION OF THE APPLICATION / PATENT CONTAINS MORE THAN ONE VOLUME.

## THIS IS VOLUME __1___ OF __2___

NOTE: For additional volumes please contact the Canadian Patent Office.

# CLAIMS

1. Remedies or prophylactics for diseases in association with chemokines or chemokine receptors comprising compounds represented by the following formula (I), pharmaceutically acceptable acid addition salts thereof or pharmaceutically acceptable $C_1$-$C_6$ alkyl addition salts thereof as an active ingredient,



(I)

wherein $R^1$ is a phenyl group, a $C_3$-$C_8$ cycloalkyl group or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms; the phenyl group or the aromatic heterocyclic group in the above $R^1$ may be condensed with a benzene ring or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms to form a condensed ring; the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring in the above $R^1$ may be substituted with an optional number of halogen atoms, hydroxy groups, cyano groups, nitro groups, carboxy groups, carbamoyl groups, $C_1$-$C_6$ alkyl groups, $C_3$-$C_8$ cycloalkyl groups, $C_2$-$C_6$ alkenyl groups, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$ alkylthio groups, $C_3$-$C_5$ alkylene groups, $C_2$-$C_4$ alkylenoxy groups, $C_1$-$C_3$ alkylenedioxy groups, phenyl groups, phenoxy groups, phenylthio groups, benzyl groups, benzyloxy groups, benzoylamino groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_4$-$C_9$ N-cycloalkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, $C_3$-$C_8$ (alkoxycarbonyl)methyl groups, N-phenylcarbamoyl groups, piperidinocarbonyl groups, morpholinocarbonyl groups, 1-pyrrolidinylcarbonyl groups, bivalent groups represented by the formula; -NH(C=O)O- , bivalent groups represented by the formula: -NH(C=S)O-, amino groups, mono($C_1$-$C_6$ alkyl)amino groups or di($C_1$-$C_6$ alkyl)amino groups; the substitutens of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the aromatic heterocyclic group or the condensed ring may further be substituted with an

optional number of halogen atoms, hydroxy groups, amino groups, trifluoromethyl groups, $C_1$-$C_6$ alkyl groups or $C_1$-$C_6$ alkoxy groups;

$R^2$ is a hydrogen atom, a $C_1$-$C_6$ alkyl group, a $C_2$-$C_7$ alkoxycarbonyl group, a hydroxy group or a phenyl group; the $C_1$-$C_6$ alkyl group or the phenyl group in the $R^2$ may be substituted with an optional number of halogen atoms, hydroxy groups, $C_1$-$C_6$ alkyl groups or $C_1$-$C_6$ alkoxy groups, with the proviso that $R^2$ is not a hydroxy group when j is 0;

j is an integer of 0 to 2;

k is an integer of 0 to 2;

m is an integer of 2 to 4;

n is 0 or 1;

$R^3$ is a hydrogen atoms or a $C_1$-$C_6$ alkyl group which may be substituted with (one or two phenyl groups which may respectively be substituted with an optional number of the same or different halogen atoms, hydroxy groups, $C_1$-$C_6$ alkyl groups or $C_1$-$C_6$ alkoxy groups);

$R^4$ and $R^5$ are the same or different and are each a hydrogen atom, a hydroxy group, a phenyl group or a $C_1$-$C_6$ alkyl group; the $C_1$-$C_6$ alkyl group in the $R^4$ and $R^5$ may be substituted with an optional number of halogen atoms, hydroxy groups, cyano groups, nitro groups, carboxy groups, carbamoyl groups, mercapto groups, guanidino groups, $C_3$-$C_8$ cycloalkyl groups, $C_1$-$C_6$ alkoxy groups, $C_1$-$C_6$ alkylthio groups, (phenyl groups which may be substituted with an optional number of halogen atoms, hydroxy groups, $C_1$-$C_6$ alkyl groups, $C_1$-$C_6$ alkoxy groups or benzyloxy groups), phenoxy groups, benzyloxy groups, benzyloxycarbonyl groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, amino groups, mono($C_1$-$C_6$ alkyl)amino groups, di($C_1$-$C_6$ alkyl)amino groups or (aromatic heterocyclic groups having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms or condensed rings formed by condensation of the aromatic heterocyclic groups having the 1 to 3 oxygen atoms, sulfur atoms and/or oxygen atoms as the heteroatoms with benzene rings) or both $R^4$ and $R^5$ together may form a 3- to a 6-membered cyclic hydrocarbon;

p is 0 or 1;

q is 0 or 1;

G is a group represented by -CO-, -$SO_2$-, -CO-O-, -$NR^7$-CO-, -CO-$NR^7$-, -NH-CO-NH-, -NH-CS-NH-, -$NR^7$-$SO_2$-, -$SO_2$-$NR^7$-, -NH-CO-O- or -O-CO-NH-, wherein $R^7$ is a hydrogen atom or a $C_1$-$C_6$ alkyl group or $R^7$, together with $R^5$, may form a $C_2$-$C_5$ alkylene group;

$R^6$ is a phenyl group, a $C_3$-$C_8$ cycloalkyl group, a $C_3$-$C_6$ cycloalkenyl group, a benzyl group or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms; the phenyl group, the benzyl group or the aromatic heterocyclic group in the $R^6$ may be condensed with a benzene ring or an aromatic heterocyclic group having 1 to 3 oxygen atoms, sulfur atoms and/or nitrogen atoms as heteroatoms to form a condensed ring; the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the $C_3$-$C_6$ cycloalkenyl group, the benzyl group, the aromatic heterocyclic group or the condensed ring in the above $R^6$ may further be substituted with an optional number of halogen atoms, hydroxy groups, mercapto groups, cyano groups, nitro groups, thiocyanato groups, carboxy groups, carbamoyl groups, trifluoromethyl groups, $C_1$-$C_6$ alkyl groups, $C_3$-$C_8$ cycloalkyl groups, $C_2$-$C_6$ alkenyl groups, $C_1$-$C_6$ alkoxyl groups, $C_3$-$C_8$ cycloalkyloxy groups, $C_1$-$C_6$ alkylthio groups, $C_1$-$C_3$ alkylenedioxy groups, phenyl groups, phenoxy groups, phenylamino groups, benzyl groups, benzoyl groups, phenylsulfinyl groups, phenylsulfonyl groups, 3-phenylureido groups, $C_2$-$C_7$ alkanoyl groups, $C_2$-$C_7$ alkoxycarbonyl groups, $C_2$-$C_7$ alkanoyloxy groups, $C_2$-$C_7$ alkanoylamino groups, $C_2$-$C_7$ N-alkylcarbamoyl groups, $C_1$-$C_6$ alkylsulfonyl groups, phenylcarbamoyl groups, N,N-di($C_1$-$C_6$ alkyl)sulfamoyl groups, amino groups, mono($C_1$-$C_6$ alkyl)amino groups, di($C_1$-$C_6$ alkyl)amino groups, benzylamino groups, $C_2$-$C_7$ (alkoxycarbonyl)amino groups, $C_1$-$C_6$ (alkylsulfonyl)amino groups or bis($C_1$-$C_6$ alkylsulfonyl)amino groups; the substitutents of the phenyl group, the $C_3$-$C_8$ cycloalkyl group, the $C_3$-$C_8$ cycloalkenyl group, the benzyl group, the aromatic heterocyclic group or the condensed ring may further be substituted with an optional number of halogen atoms, cyano groups, hydroxy groups, amino groups, trifluoromethyl groups, $C_1$-$C_6$ alkyl groups,

$C_1$-$C_6$ alkoxyl groups, $C_1$-$C_6$ alkylthio groups, mono($C_1$-$C_6$ alkyl)amino groups or di($C_1$-$C_6$ alkyl)amino groups.

2. The remedies or prophylactics according to claim 1, wherein the diseases are associated with chondrolysis of cartilage or osteolysis.

3. The remedies or prophylactics according to claim 2, wherein the diseases associated with the chondrolysis of cartilage or osteolysis are arthritis, rheumatoid arthritis, osteoarthritis, trauma, osteoporosis or tumor.

4. The remedies or prophylactics according to claim 1, wherein the diseases are rheumatoid arthritis.

5. The remedies or prophylactics according to claim 1, wherein the diseases are nephritis or nephropathy.

6. The remedies or prophylactics according to claim 5, wherein the diseases are glomerulonephritis, interstitial nephritis or nephrotic syndrome.

7. The remedies or prophylactics according to claim 1, wherein the diseases are demyelinating diseases.

8. The remedies or prophylactics according to claim 7, wherein the diseases are multiple sclerosis.

9. The remedies or prophylactics according to claim 1, wherein chemokines are MIP-1$\alpha$ or MCP-1.

10. The remedies or prophylactics according to claim 1, wherein chemokine receptors are CCR1 or CCR2.

11. A pharmaceutical composition comprising the compounds represented by the above formula (I), pharmaceutically acceptable acid addition salts thereof or pharmaceutically acceptable $C_1$-$C_6$ alkyl addition salts thereof as an active ingredient.

Application number / numéro de demande: JP00/03203

Figures: # 2, 3, 4

Unscannable items
received with this application
(Request original documents in File Prep. Section on the 10th floor)

Documents reçu avec cette demande ne pouvant être balayés
(Commander les documents originaux dans la section de préparation des dossiers au 10ème étage)

Fig. 1

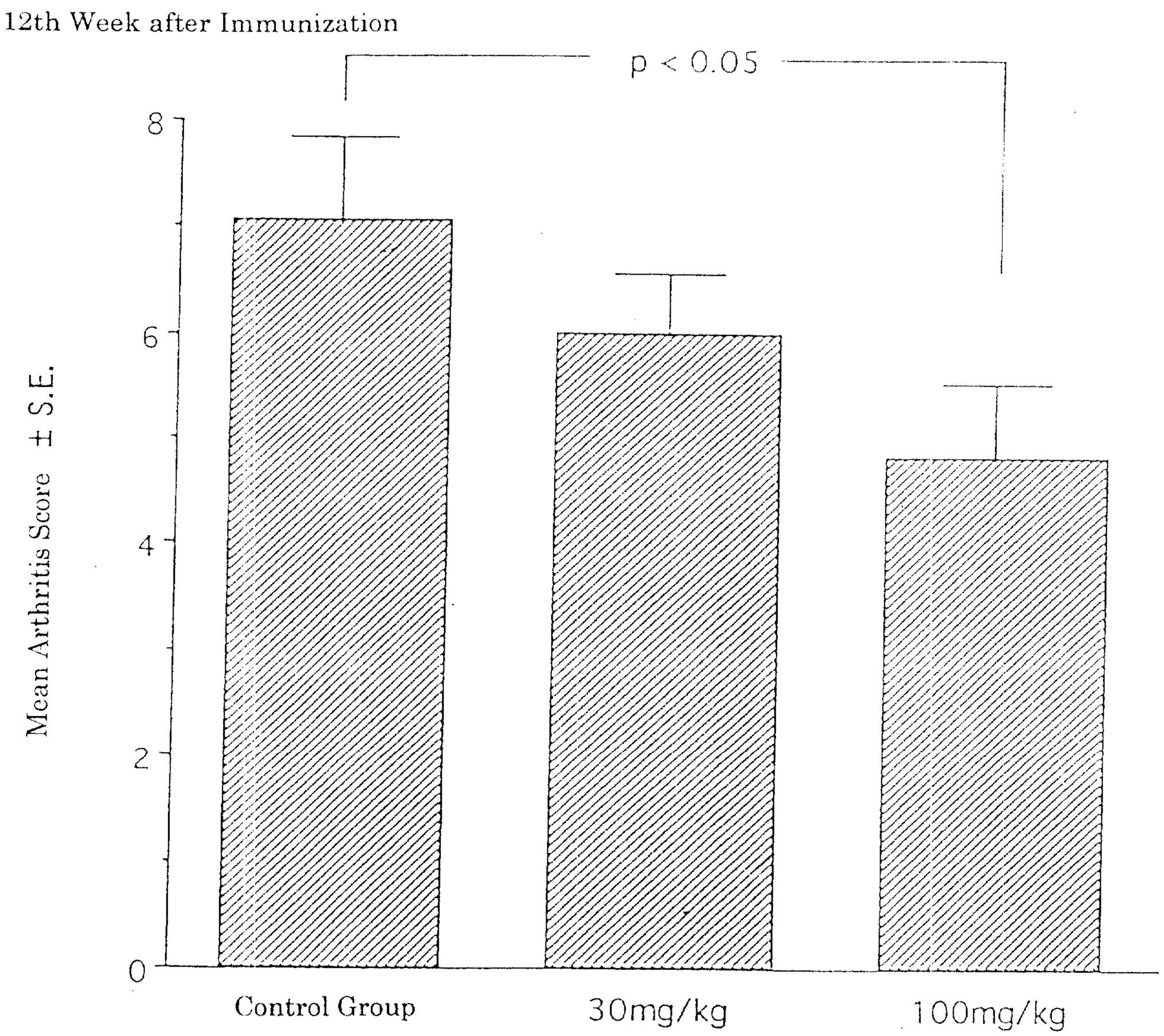

12th Week after Immunization
p < 0.05
Mean Arthritis Score ± S.E.
8
6
4
2
0
Control Group
30mg/kg
100mg/kg

Fig. 2

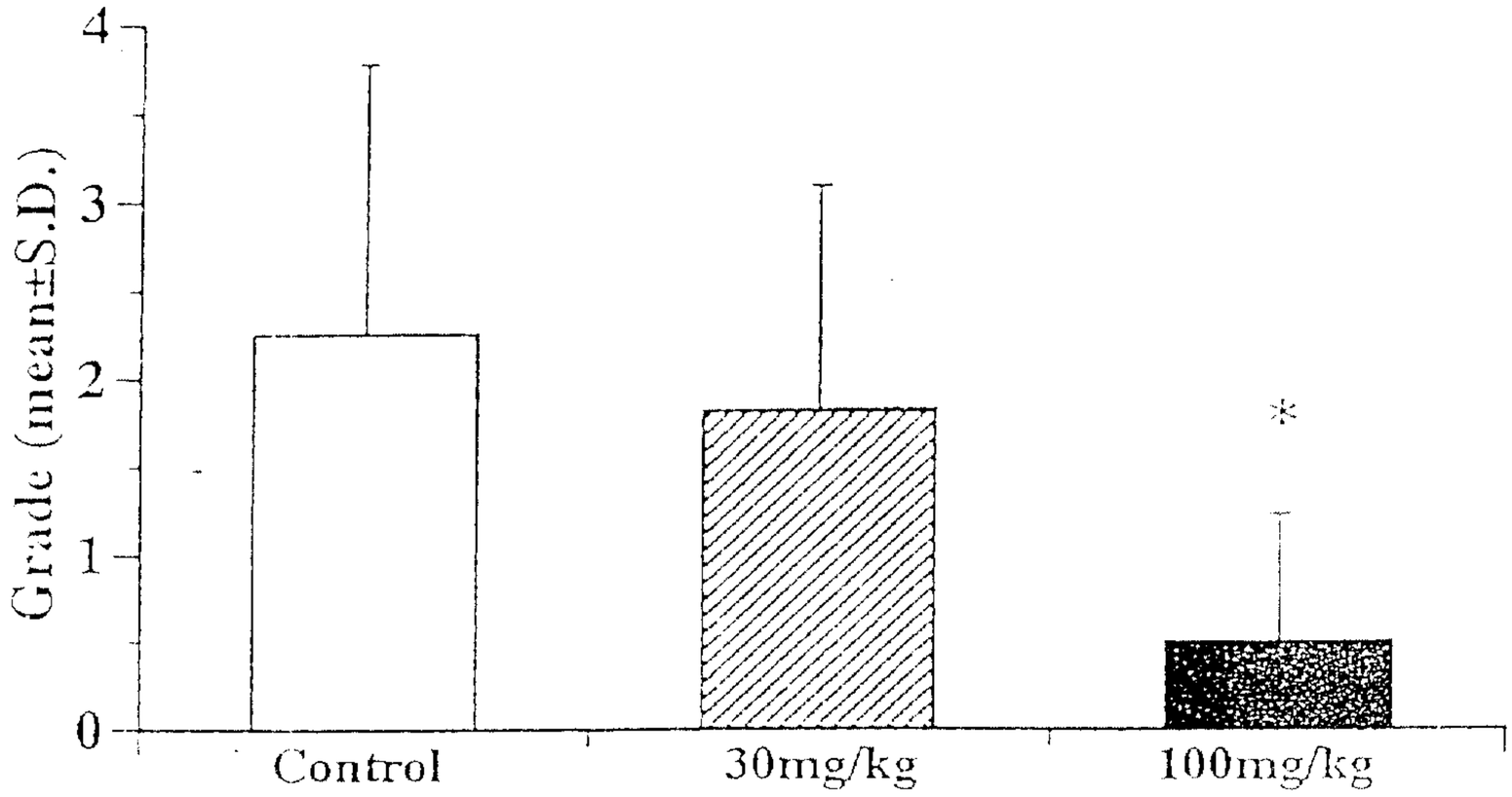

Grade (mean±S.D.)
4
3
2
1
0
*
Control
30mg/kg
100mg/kg

Fig. 3

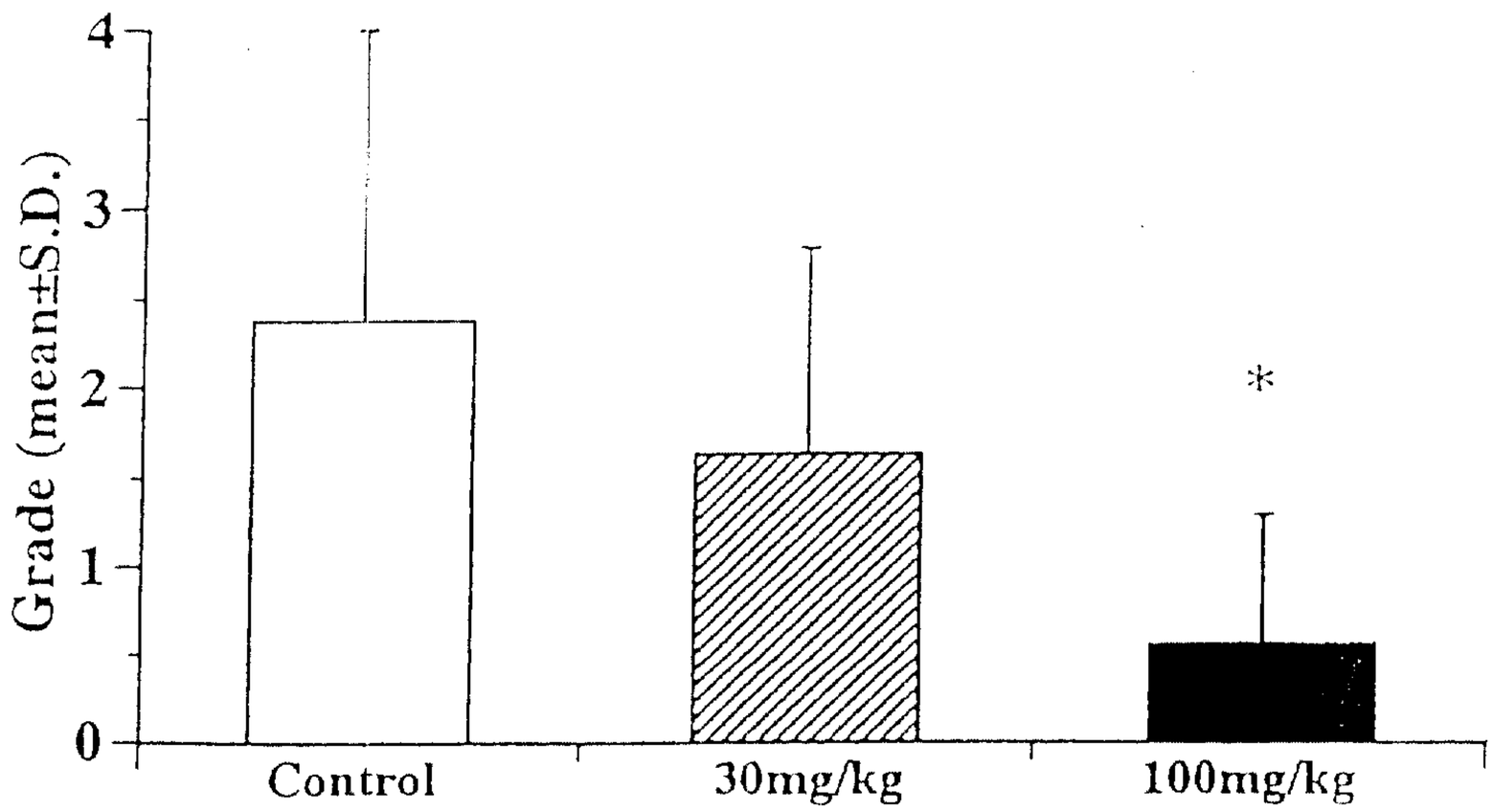

Grade (mean±S.D.)
4
3
2
1
0
*
Control
30mg/kg
100mg/kg

Fig. 4

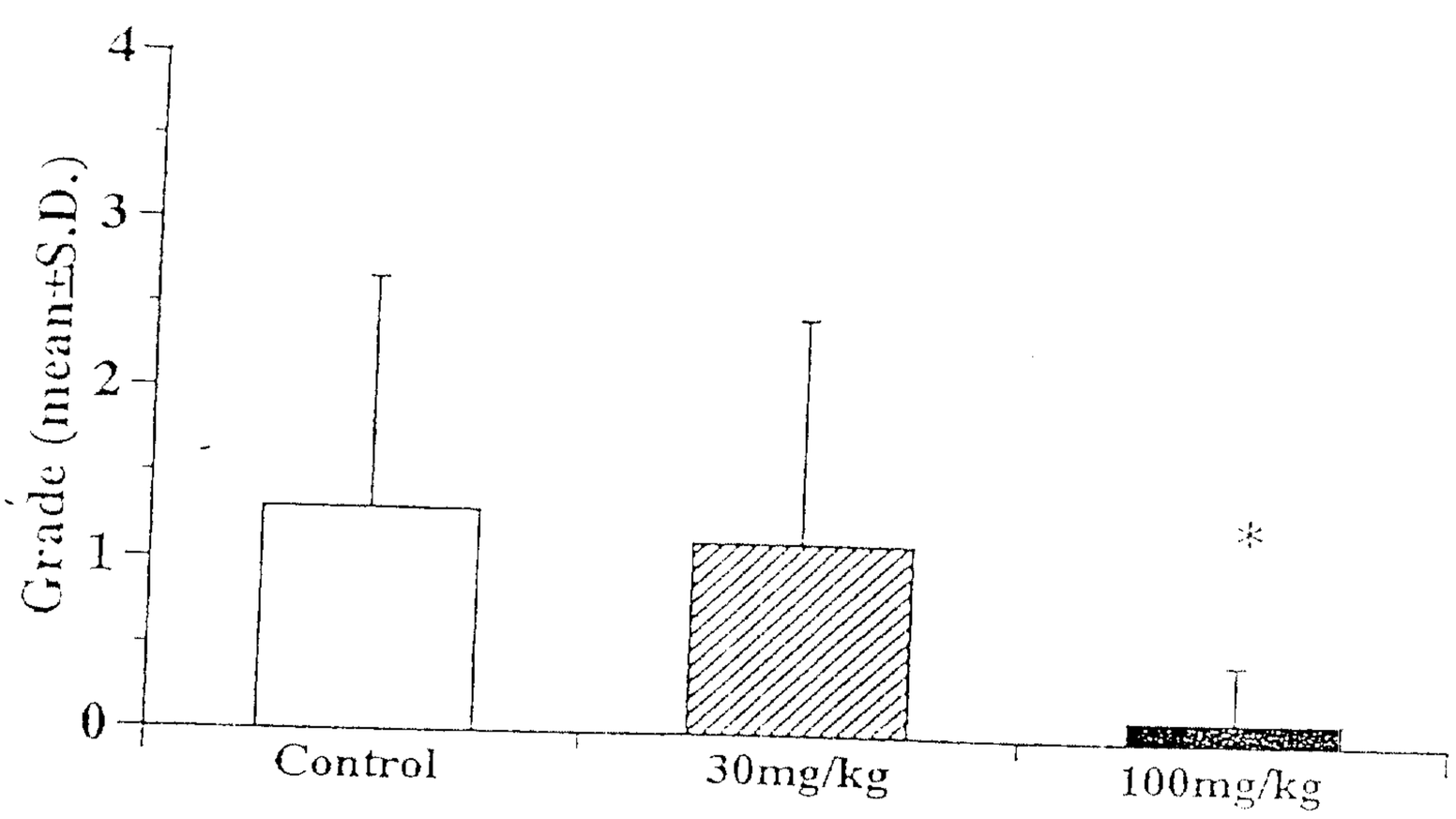


Fig. 5

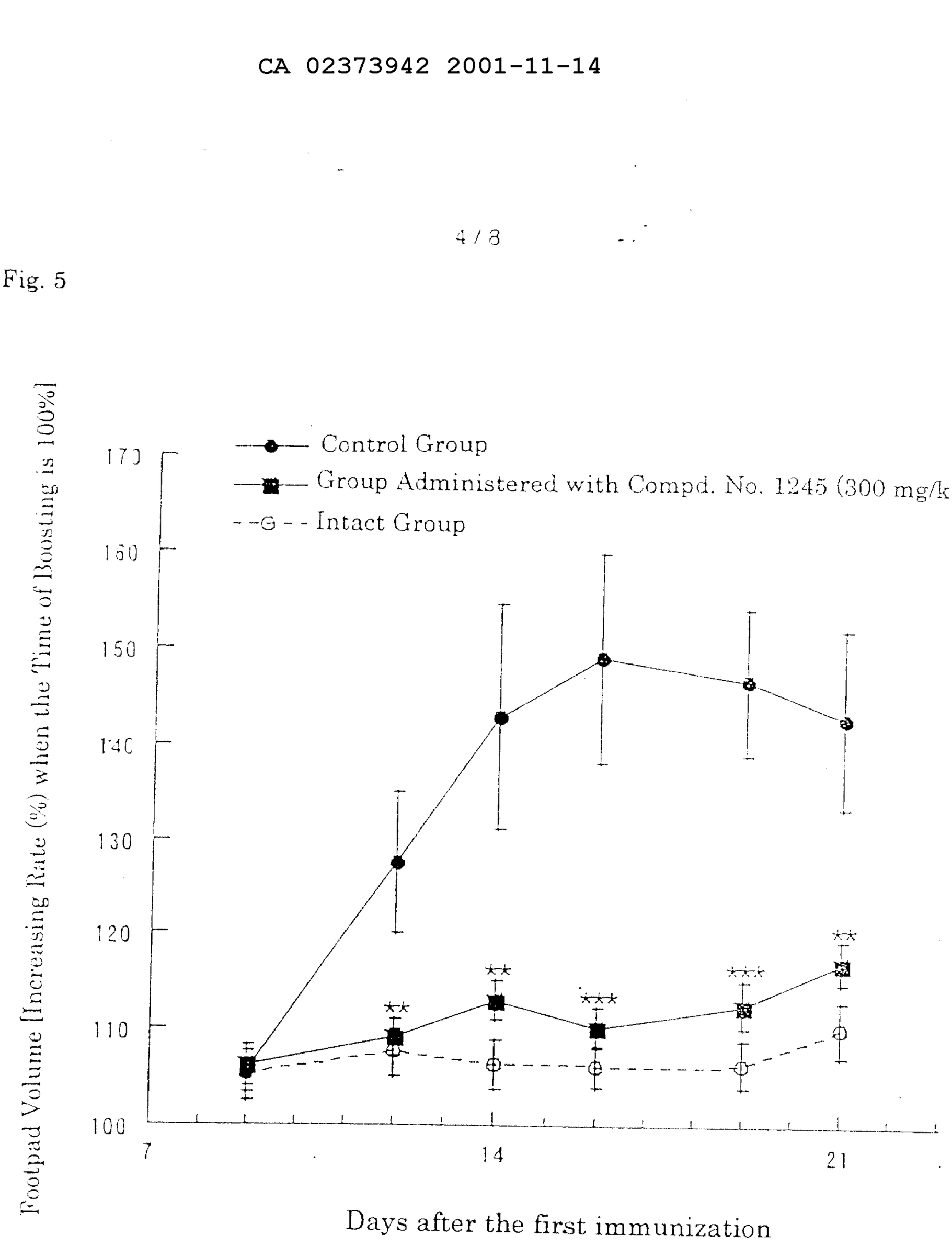

Footpad Volume [Increasing Rate (%) when the Time of Boosting is 100%]
170
160
150
140
130
120
110
100
7
14
21
Days after the first immunization
Control Group
Group Administered with Compd. No. 1245 (300 mg/kg)
Intact Group
**
***

Fig. 6

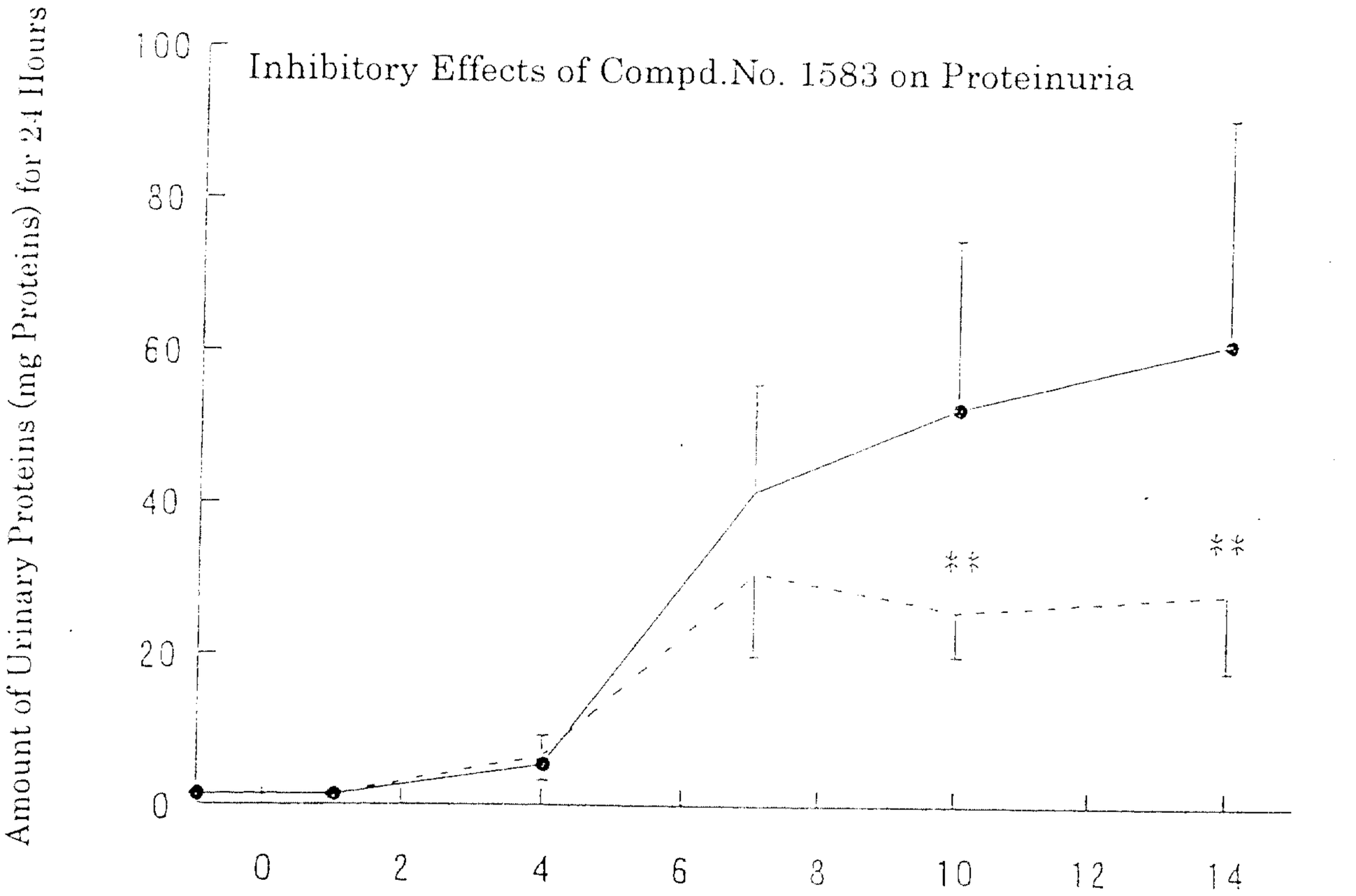
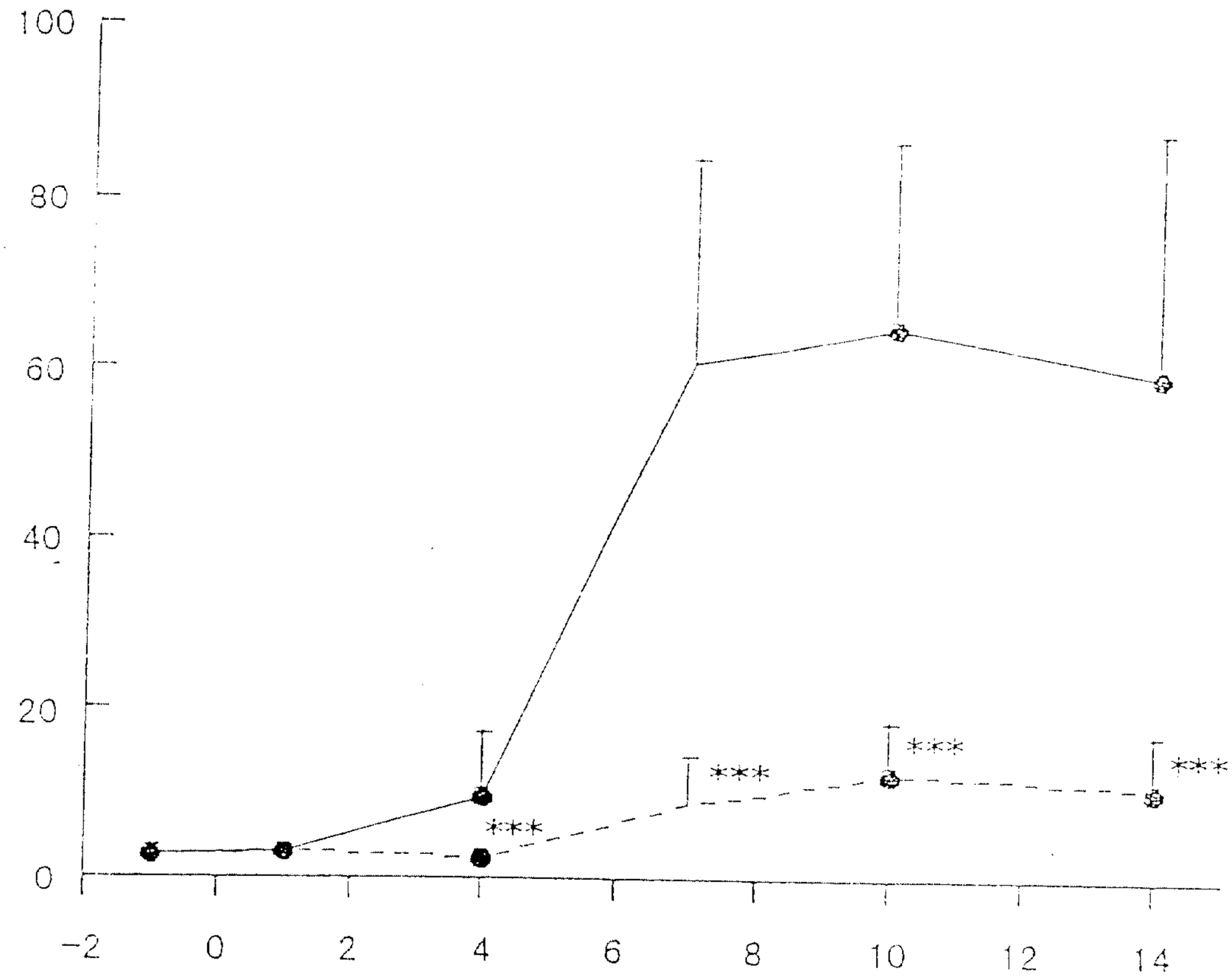

Inhibitory Effects of Compd.No. 1583 on Proteinuria
Amount of Urinary Proteins (mg Proteins) for 24 Hours
100
80
60
40
20
0
0
2
4
6
8
10
12
14
Days after Intravenous Injection of Anti-basement Membrane Serum

Fig. 7

Inhibitory Effects of Compd. No. 1245 on Proteinuria



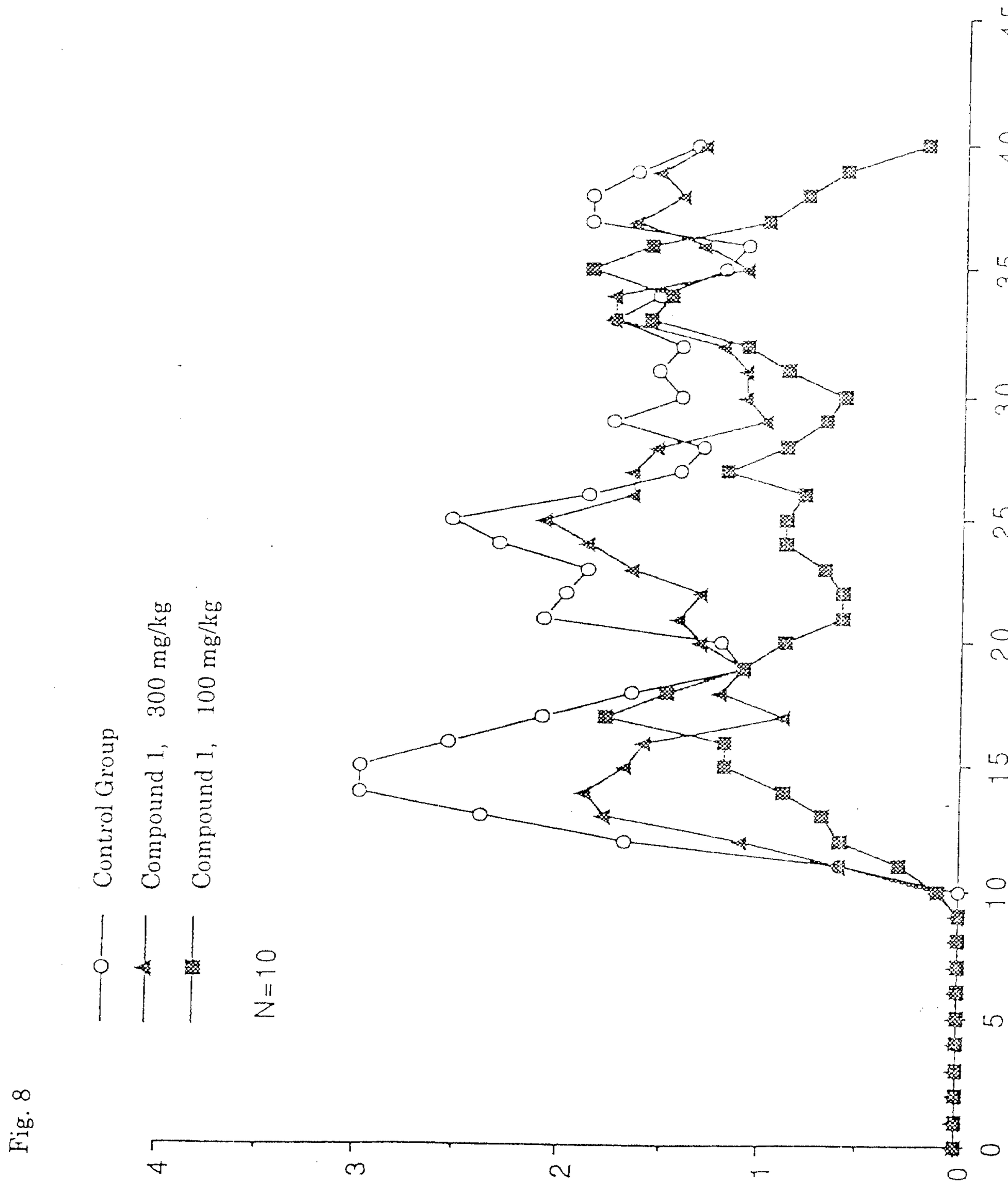

Control Group
Compound 1, 300 mg/kg
Compound 1, 100 mg/kg
N=10
Mean Clinical Score
0
1
2
3
4
Days after Immunization
5
10
15
20
25
30
35
40
45

Fig. 8

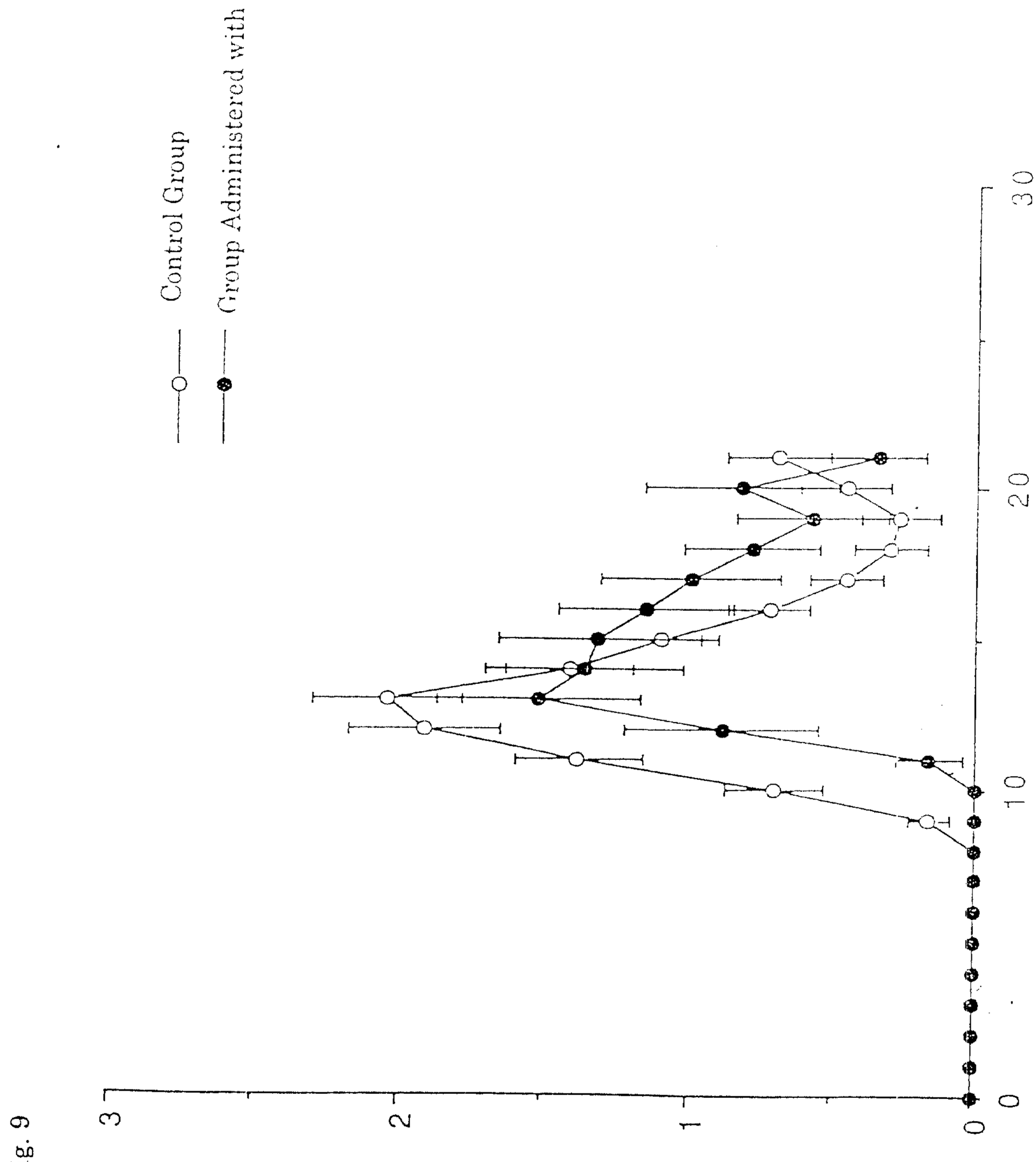

Control Group
Group Administered with Test Compound
Clinical Score ± S.E.
Days after Immunization
0
1
2
3
10
20
30

Fig. 9

