

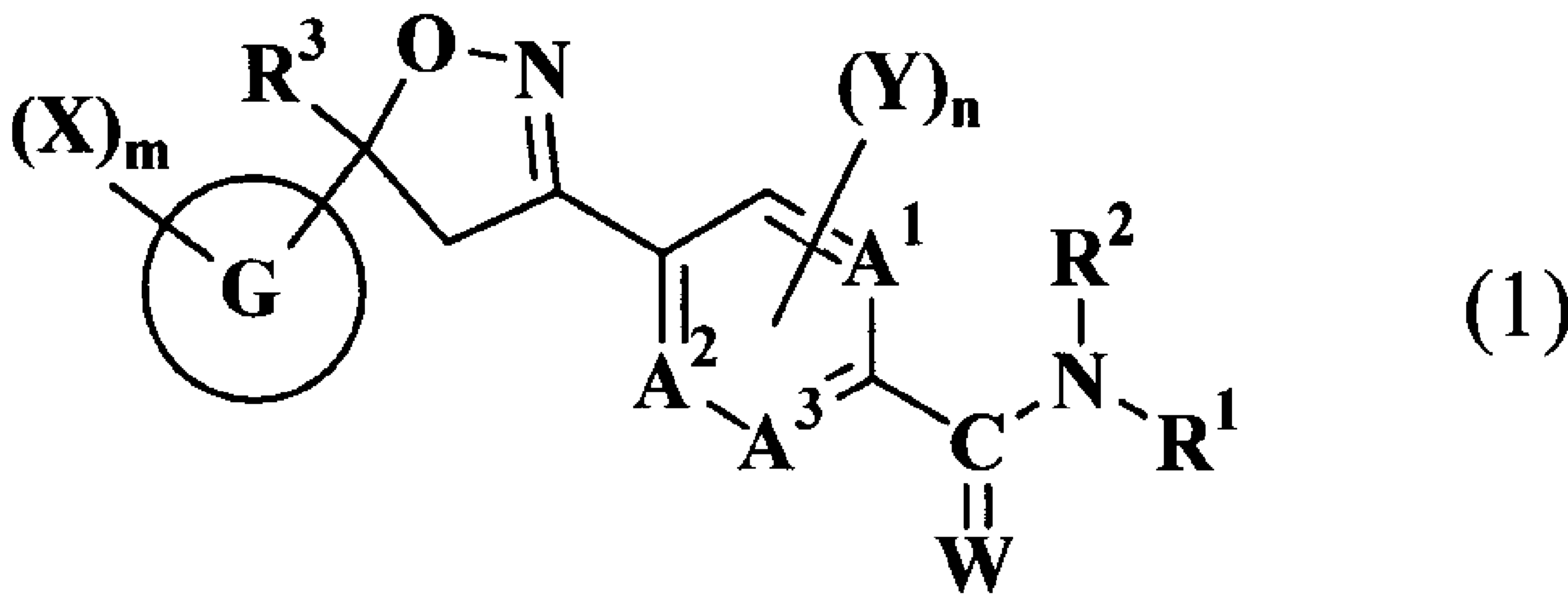


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(54) Titre : COMPOSE DE BENZAMIDE A SUBSTITUTION ISOXAZOLINE ET PESTICIDE
(54) Title: ISOXAZOLINE-SUBSTITUTED BENZAMIDE COMPOUND AND PESTICIDE



(57) Abrégé/Abstract:

An isoxazoline-substituted benzamide compound of formula (1) or a salt thereof: (see formula 1) wherein A¹, A² and A³ independently of one another are carbon atom or nitrogen atom, G is benzene ring, etc., X is halogen atom, C₁-C₆ haloalkyl, etc., Y is halogen atom, C₁-C₆ alkyl, etc., R¹ is C₁-C₁₂ alkyl arbitrarily substituted with R¹⁶, C₃-C₁₂ alkenyl, arbitrarily substituted with R¹⁶ is oxygen atom or sulfur atom, -N(R²⁰)R¹⁹, etc., R² is hydrogen atom, C₁-C₄ alkoxy C₁-C₆ alkyl, etc., R³ is C₁-C₆ haloalkyl, etc., R¹⁶ is halogen atom, cyano, phenyl substituted with (Z)_{p1}, D-1 to D-60, E-1 to E-49, etc., R¹⁹ is phenyl, phenyl substituted with (Z)_{p1}, etc., R²⁰ is hydrogen atom, C₁-C₆ alkyl, etc., Z is halogen atom, nitro, C₁-C₄ alkoxy, etc., D-1 to D-60 are 5- or 6-membered aromatic heterocyclic rings, E-1 to E-49 are 5- or 6-membered saturated heterocyclic rings, m is an integer of 0 to 5, n is an integer of 0 to 4, p₁ is an integer of 1 to 5. The pesticide containing these compounds.



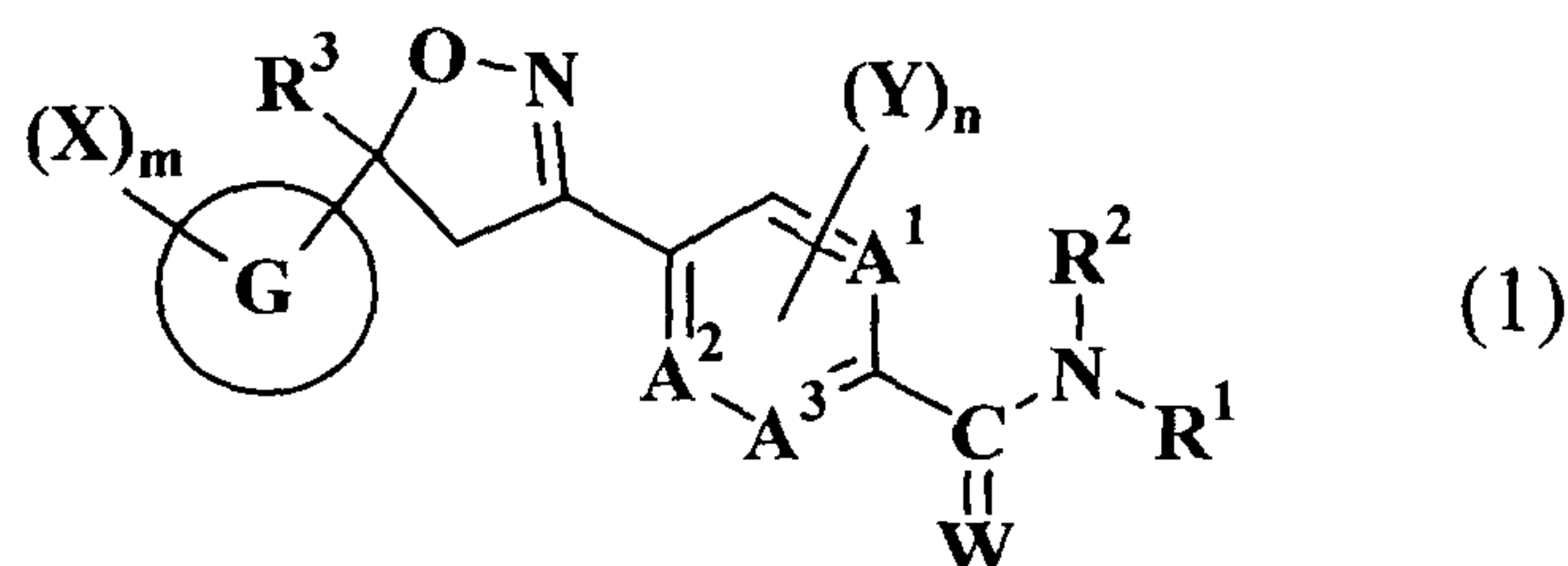
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ABSTRACT

An isoxazoline-substituted benzamide compound of formula (1) or a salt thereof:



wherein A^1 , A^2 and A^3 independently of one another are carbon atom or nitrogen atom, G is benzene ring, etc., X is halogen atom, C_1 - C_6 haloalkyl, etc., Y is halogen atom, C_1 - C_6 alkyl, etc., R^1 is C_1 - C_{12} alkyl arbitrarily substituted with R^{16} , C_3 - C_{12} alkenyl, arbitrarily substituted with R^{16} is oxygen atom or sulfur atom, $-N(R^{20})R^{19}$, etc., R^2 is hydrogen atom, C_1 - C_4 alkoxy C_1 - C_6 alkyl, etc., R^3 is C_1 - C_6 haloalkyl, etc., R^{16} is halogen atom, cyano, phenyl substituted with $(Z)_{p1}$, D-1 to D-60, E-1 to E-49, etc., R^{19} is phenyl, phenyl substituted with $(Z)_{p1}$, etc., R^{20} is hydrogen atom, C_1 - C_6 alkyl, etc., Z is halogen atom, nitro, C_1 - C_4 alkoxy, etc., D-1 to D-60 are 5- or 6-membered aromatic heterocyclic rings, E-1 to E-49 are 5- or 6-membered saturated heterocyclic rings, m is an integer of 0 to 5, n is an integer of 0 to 4, p_1 is an integer of 1 to 5. The pesticide containing these compounds.

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, veuillez contacter le Bureau Canadien des Brevets.

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.

DESCRIPTION

ISOXAZOLINE-SUBSTITUTED BENZAMIDE COMPOUND AND PESTICIDE

Technical Field

[0001] The present invention relates to a novel isoxazoline-substituted benzamide compound and the salt thereof, and a pesticide characterized by containing the compound as an active ingredient. The pesticide in the present invention means a pest controlling agent applied for harmful arthropods in agricultural and horticultural field or livestock farming and hygienic field (endo-parasiticides and ecto-parasiticides for mammals or birds as domestic animals or pets, or hygienic pest- or unpleasant pest-controlling agents for domestic or business use). In addition, agricultural chemicals in the present invention mean insecticides, acaricides (miticides), nematocides, herbicides and fungicides, and the like.

Background Art

[0002] Conventionally, as to isoxazoline-substituted benzoic acid amide compounds, the followings are known: a report of synthesis by use of solid phase synthesis of 4-(5-methyl-5-substituted pyrrolyl-4,5-dihydroisoxazole-3-yl) benzoic acid amide derivatives (see, Non-patent Document 1); 4-(5-pyridyl-4,5-dihydroisoxazole-3-yl) benzoic acid amide derivatives have matrix metalloprotease and TNF- α inhibition activity, or the like, and can be used as an anti-inflammatory agent or a chondro-protective agent (see, Patent Document 1); 4-(5-substituted carbamoylmethyl-4,5-dihydroisoxazole-3-yl) benzoic acid amide derivatives, 3-(5-substituted carbamoylmethyl-5-substituted alkyl-4,5-dihydroisoxazole-3-yl) benzoic acid amide derivatives and 4-(5-substituted carbamoylmethyl-4,5-dihydroisoxazole-3-yl) benzamidine derivatives have platelet glycoprotein IIb/IIIa fibrinogen receptor complex competitive activity or factor Xa inhibition activity or the like, and can be used as a thrombolysis agent or a therapeutic agent of thrombo-embolic disorder (see, for example Patent Documents 2-5), etc. In addition, it is known that other specific substituted isoxazoline compound can be used as a production intermediate of HIV protease inhibitors, or production intermediate of insecticides (see, for example Patent Documents 6 and 7). However, there is no disclosure on 4-(5-substituted-5-substituted aryl-

4,5-dihydroisoxazole-3-yl)benzoic acid amide compounds according to the present invention, and further the usefulness thereof as a pesticide is not known at all.

[0003] On the other hand, as to 3-(4-substituted phenyl)-4,5-dihydroisoxazole derivatives, 5-substituted alkyl-3,5-bis substituted phenyl-4,5-dihydroisoxazole derivatives (see, Patent Document 7), 3-alkoxyphenyl-5-substituted-5-phenyl-4,5-dihydroisoxazole derivatives (see, Patent Document 8), 3-alkoxyphenyl-5-substituted alkyl-5-substituted carbamoyl-4,5-dihydroisoxazole derivatives (see, Patent Document 9), 3-(4-halophenyl)-5-substituted-5-substituted phenyl-4,5-dihydroisoxazole derivatives (see, Patent Documents 10 and Non-patent Document 2), and 3-(4-nitrophenyl)-5-substituted –5-substituted phenyl-4,5-dihydroisoxazole derivatives (see, patent Document 11 and Non-patent Document 3), etc. are known. However, 5-substituted alkyl-3,5-bis substituted phenyl-4,5-dihydroisoxazole derivatives that can be used as a production intermediate of the pesticides according to the present invention are not described in any documents and thus novel compounds.

[0004] Further, as to 4-hydroxyiminomethyl benzoic acid amide derivatives, 4-hydroxyiminomethyl-N,N-dimethyl benzoic acid amide (see, Non-patent Document 4), 4-hydroxyiminomethyl benzoyl piperidine derivatives (see, Patent Documents 12 and 13), 4-hydroxyiminomethyl-N-bicycloalkyl benzoic acid amide derivatives (see, Patent Document 14), and 6-(hydroxyiminomethyl) pyridine-2-carboxamide derivatives (see, Non-patent Document 5), etc. are known. However, 4-hydroxyiminomethyl benzoic acid amide derivatives that can be used as a production intermediate of the pesticides according to the present invention are not described in any documents and thus novel compounds.

[0005] In addition, as to haloalkenylbenzene derivatives, substituted 3,3,3-trifluoro-2-propenylbenzene derivatives (see, Non-patent Documents 6-8), etc. are known. However, specific substituted haloalkenylbenzene derivatives that can be used as a production intermediate of the pesticides according to the present invention are not described in any documents and thus novel compounds.

Patent Document 1: WO 01/070673 Pamphlet

Patent Document 2: WO 96/038426 Pamphlet

Patent Document 3: WO 97/023212 Pamphlet

Patent Document 4: WO 95/014683 Pamphlet

Patent Document 5: WO 97/048395 Pamphlet

Patent Document 6: WO 99/014210 Pamphlet

Patent Document 7: WO 04/018410 Pamphlet

Patent Document 8: WO 95/024398 Pamphlet

Patent Document 9: WO 98/057937 Pamphlet

Patent Document 10: EP 0455052 A1 (1991)

Patent Document 11: WO 2004/018410 Pamphlet

Patent Document 12: WO 95/019773 Pamphlet

Patent Document 13: WO 00/066558 Pamphlet

Patent Document 14: WO 97/000853 Pamphlet

Non-patent Document 1: J. Comb. Chem., vol. 6, p. 142 (2004)

Non-patent Document 2: Synth. Commun., vol. 33, p. 4163 (2003)

Non-patent Document 3: Australian J. Chem., vol. 32, p. 1487 (1979)

Non-patent Document 4: J. Chem. Soc. Perkin Trans, 1, p. 643 (1979)

Non-patent Document 5: J. Org. Chem., vol. 35, p. 841 (1970)

Non-patent Document 6: J. Org. Chem., vol. 24, p. 238 (1959)

Non-patent Document 7: J. Am. Chem. Soc., vol. 101, p. 357 (1979)

Non-patent Document 8: Bull. Chem. Soc. Jpn., vol. 69, p. 3273 (1996)

Disclosure of Invention

Problems to be solved by the invention

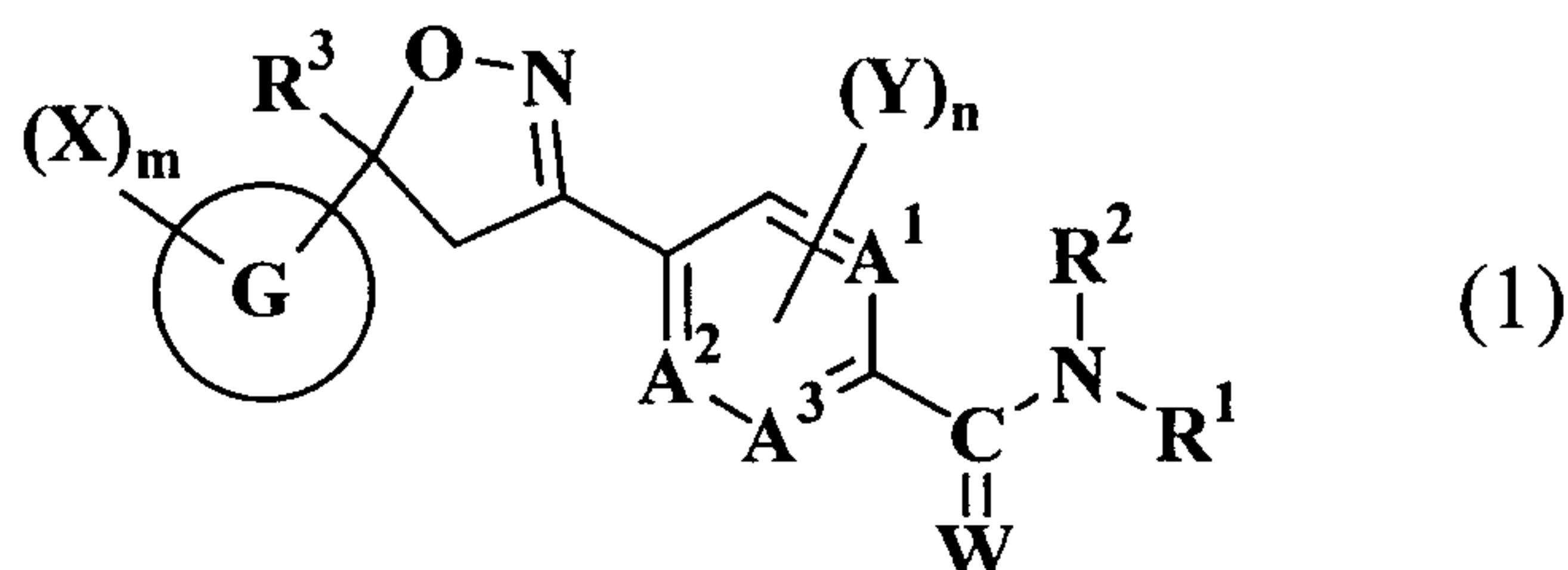
[0006] Recently, pests acquire resistance by the use of pesticides such as insecticides or fungicides over long term, and thus control by the insecticides or fungicides that have been conventionally used becomes difficult. In addition, a part of known pesticides has a high toxicity, or some of them start to disturb native ecosystems due to long-term persistency. Under the circumstances, it is expected all the time to develop a novel pesticide having a low toxicity and a low persistency.

Means for solving the problems

[0007] The inventors have eagerly investigated in order to solve the above-mentioned problems, and as a result of it, they found that novel isoxazoline- substituted benzamide compounds of formula (I) are extremely useful compounds having excellent pest controlling activity, particularly insecticidal activity and acaricidal activity, and having little adverse affect on non-targeted beings such as mammals, fishes and useful insects, etc. Thus, the present invention has been accomplished.

[0008] That is, the present invention relates to the following aspects (1) to (15):

(1) An isoxazoline-substituted benzamide compound of formula (1) or a salt thereof:



wherein A^1 , A^2 and A^3 independently of one another are carbon atom or nitrogen atom,

G is benzene ring, nitrogen-containing 6-membered aromatic heterocyclic ring, furan ring, thiophene ring, or 5-membered aromatic heterocyclic ring containing two or more hetero atoms selected from oxygen atom, sulfur atom and nitrogen atom,

W is oxygen atom or sulfur atom,

X is halogen atom, cyano, nitro, azido, -SCN, -SF₅, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, C₃-C₈cycloalkyl, C₃-C₈cycloalkyl arbitrarily substituted with R⁴, C₂-C₆alkenyl, C₂-C₆alkenyl arbitrarily substituted with R⁴, C₃-C₈cycloalkenyl, C₃-C₈halocycloalkenyl, C₂-C₆alkynyl, C₂-C₆alkynyl arbitrarily substituted with R⁴, -OH, -OR⁵, -OSO₂R⁵, -SH, -S(O)₂R⁵, -N(R⁷)R⁶, -N=CHOR⁸, -N=C(R⁹)OR⁸, -CHO, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -CH=NOR¹¹, -C(R⁹)=NOR¹¹, -S(O)₂OR⁹, -S(O)₂NHR¹⁰, -S(O)₂N(R¹⁰)R⁹, -Si(R¹³)(R¹⁴)R¹², phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49, when m is 2, 3, 4 or 5, each X may be identical with or different from each other,

further, when two Xs are adjacent, the adjacent two Xs may form 5-membered or 6-membered ring together with carbon atoms to which the two Xs are bonded by forming -CH₂CH₂CH₂-, -CH₂CH₂O-, -CH₂OCH₂-, -OCH₂O-, -CH₂CH₂S-, -CH₂SCH₂-, -CH₂CH₂N(R¹⁵)-, -CH₂N(R¹⁵)CH₂-, -CH₂CH₂CH₂CH₂-, -CH₂CH₂CH₂O-, -CH₂CH₂OCH₂-, -CH₂OCH₂O-, -OCH₂CH₂O-, -OCH₂CH₂S-, -CH₂CH=CH-, -OCH=CH-, -SCH=CH-, -N(R¹⁵)CH=CH-, -OCH=N-, -SCH=N-, -N(R¹⁵)CH=N-, -N(R¹⁵)N=CH-, -CH=CHCH=CH-, -OCH₂CH=CH-, -N=CHCH=CH-, -N=CHCH=N- or -N=CHN=CH-, in this case, hydrogen atoms bonded to each carbon atom forming the ring may be arbitrarily substituted with Z, further when the hydrogen atoms are substituted with two or more Zs at the same time, each Z may be identical with or

different from each other,

Y is halogen atom, cyano, nitro, azido, -SCN, -SF₅, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, C₃-C₈cycloalkyl, C₃-C₈cycloalkyl arbitrarily substituted with R⁴, -OH, -OR⁵, -OSO₂R⁵, -SH, -S(O)_rR⁵, -NHR⁷, -N(R⁷)R⁶, -N=CHOR⁸, -N=C(R⁹)OR⁸, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -Si(R¹³)(R¹⁴)R¹², phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49, when n is 2, 3 or 4, each Y may be identical with or different from each other,

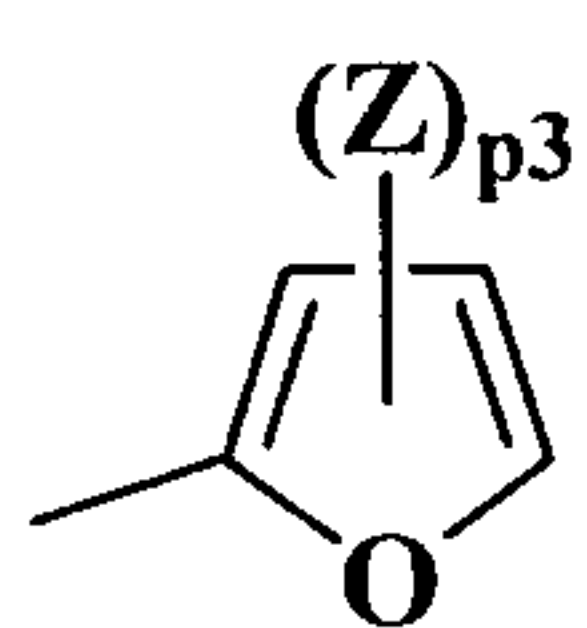
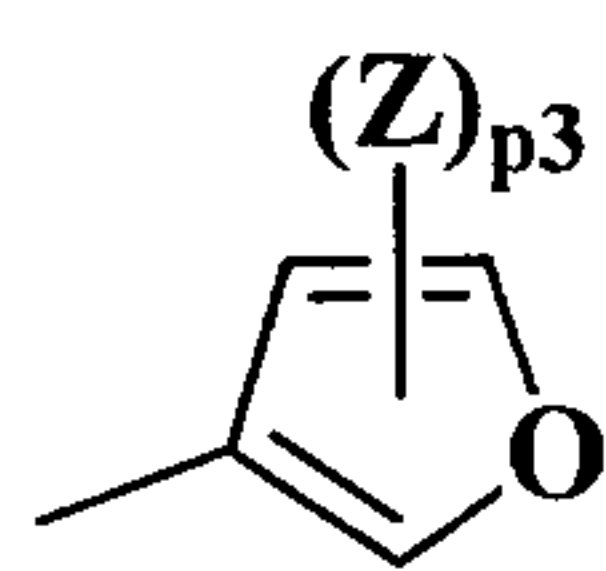
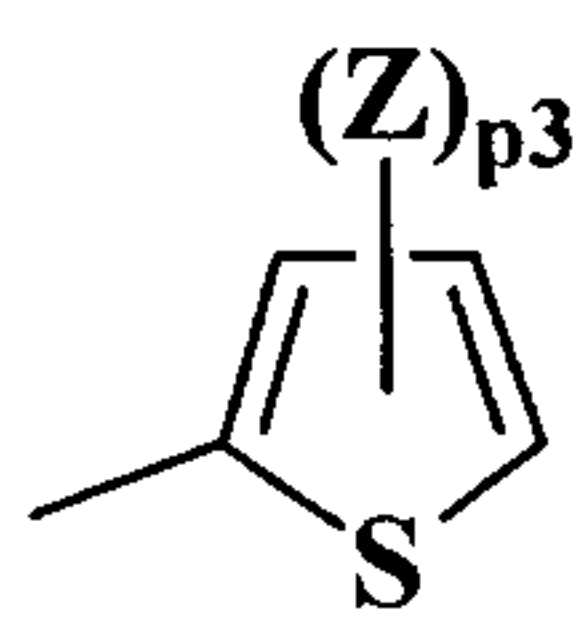
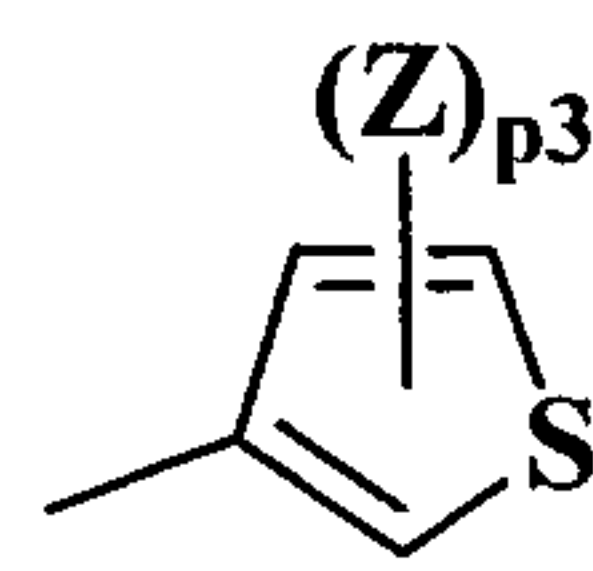
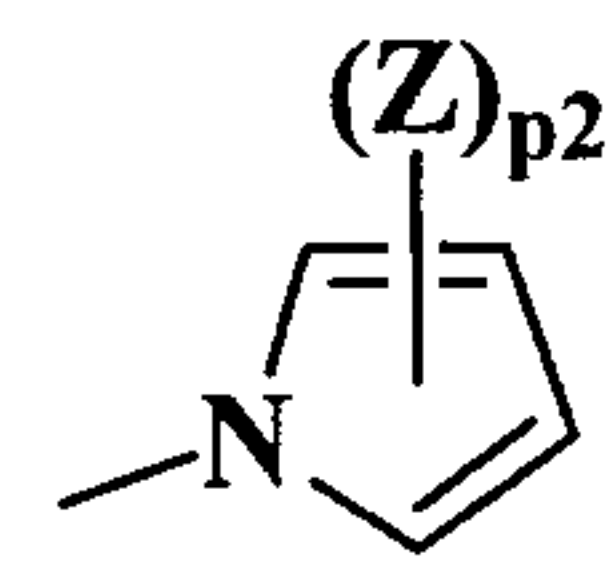
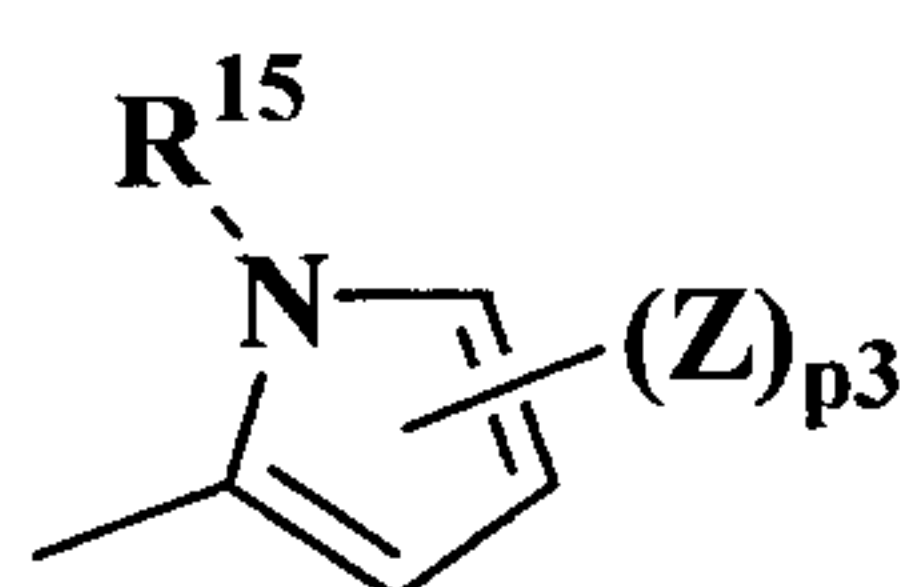
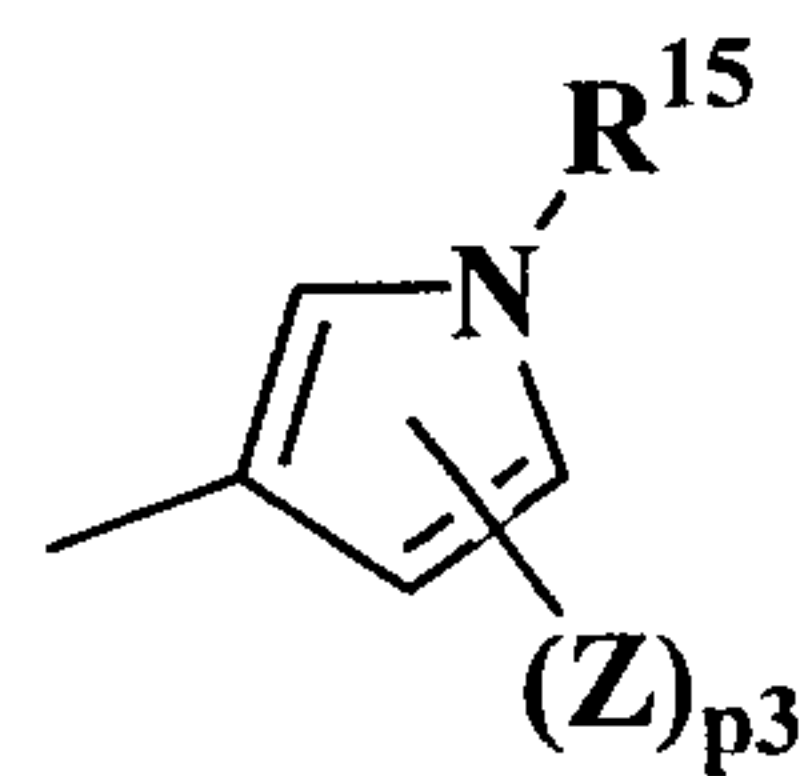
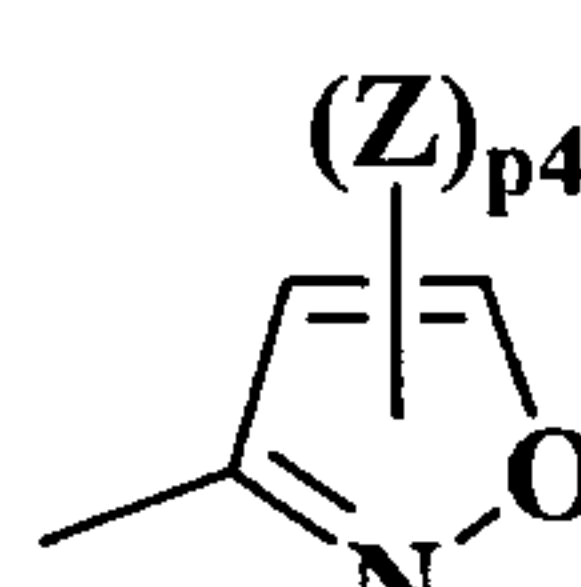
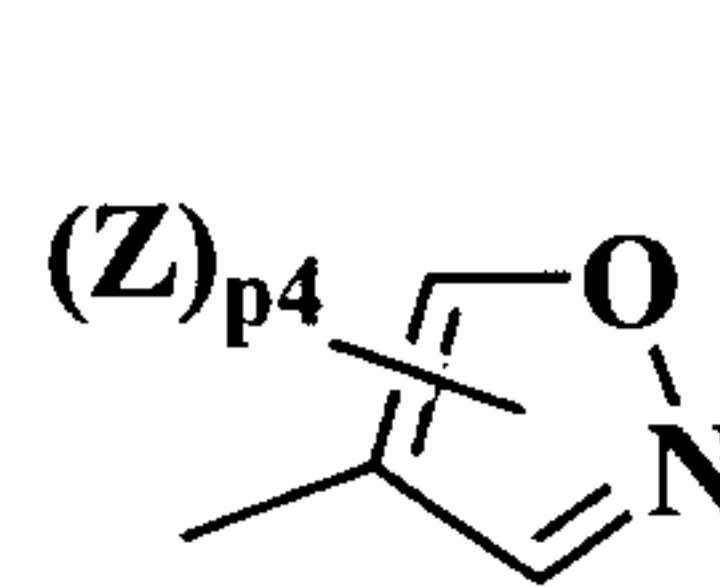
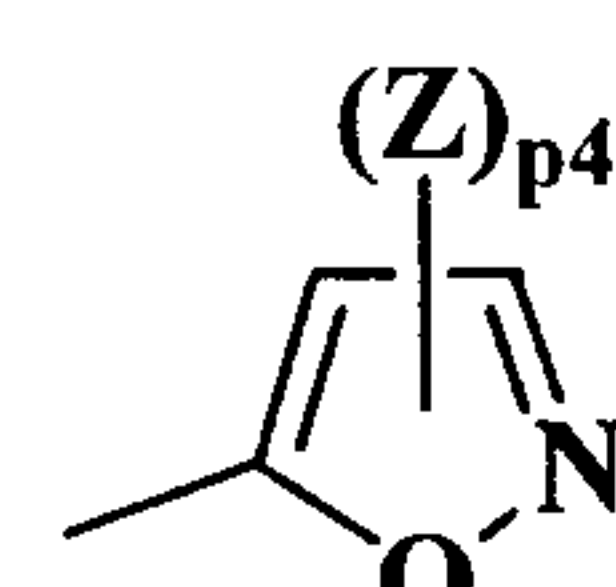
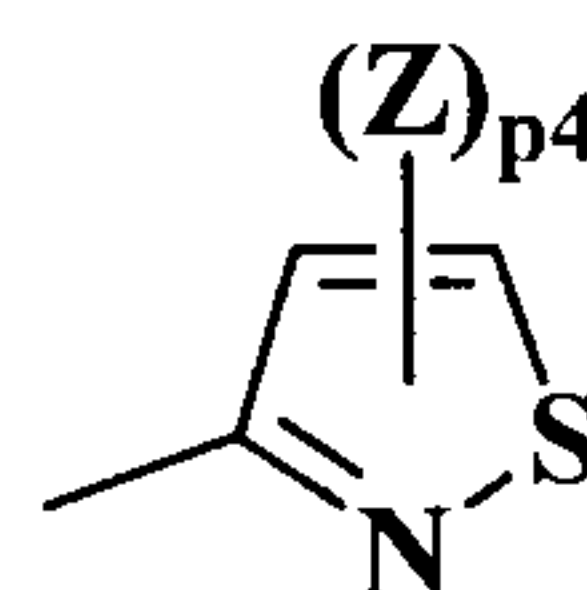
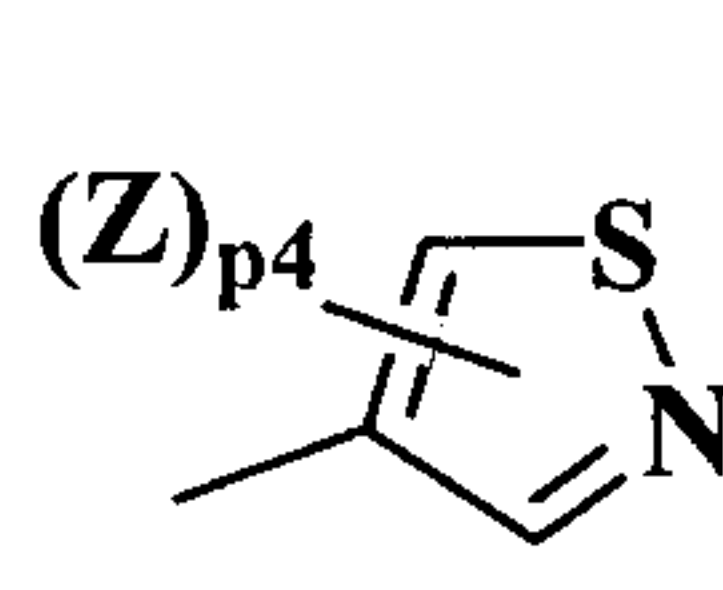
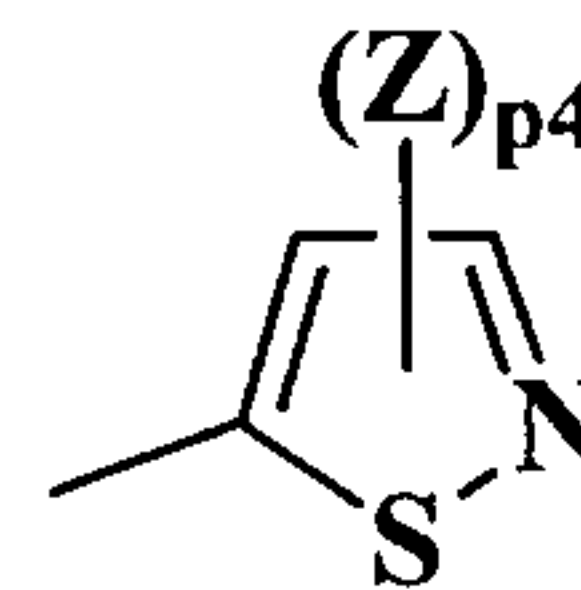
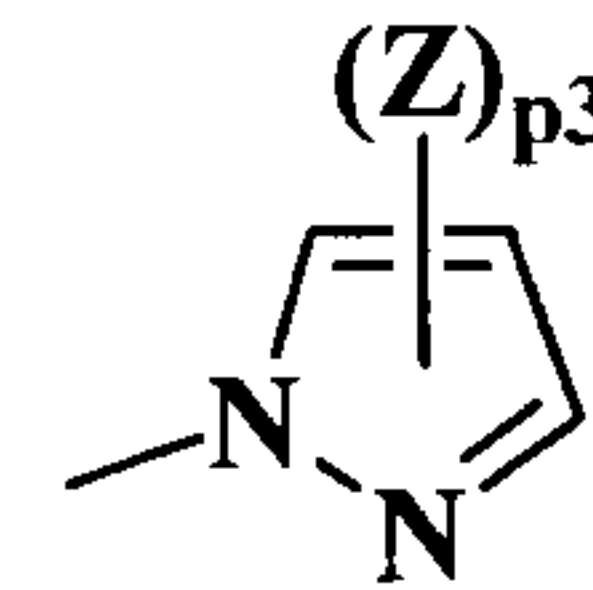
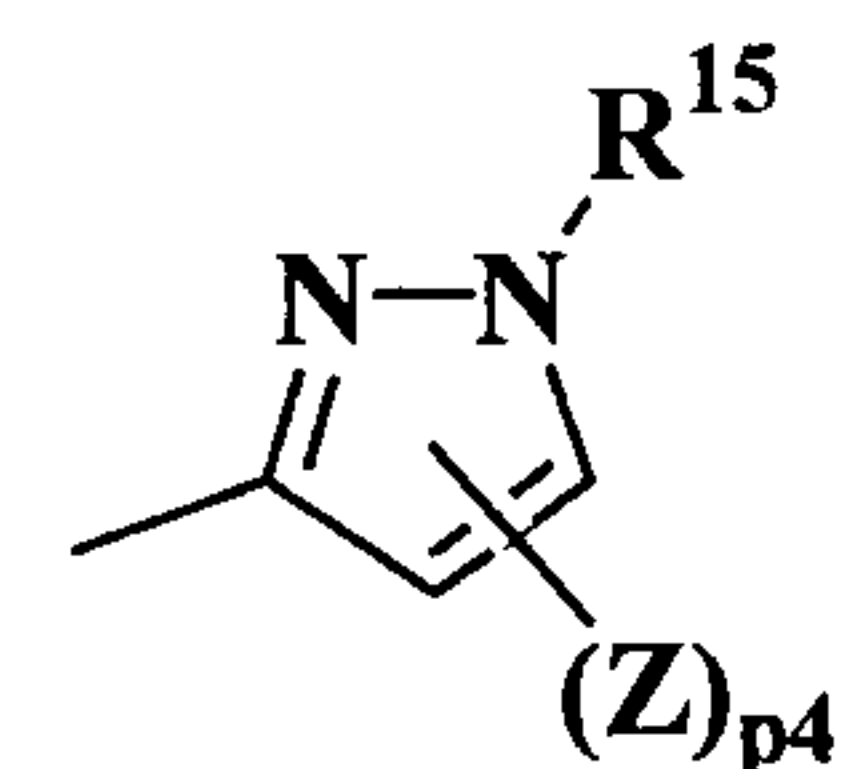
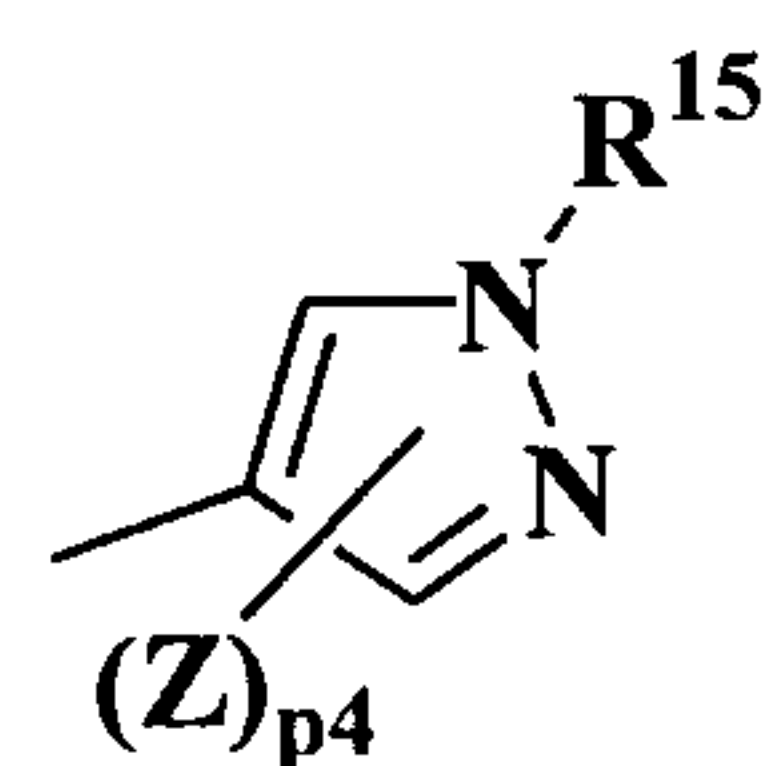
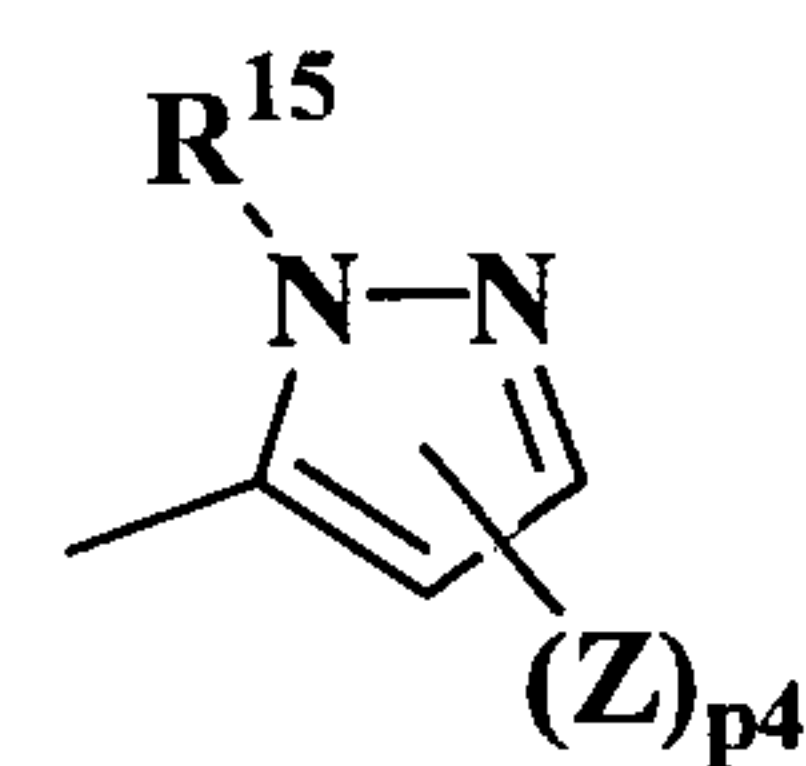
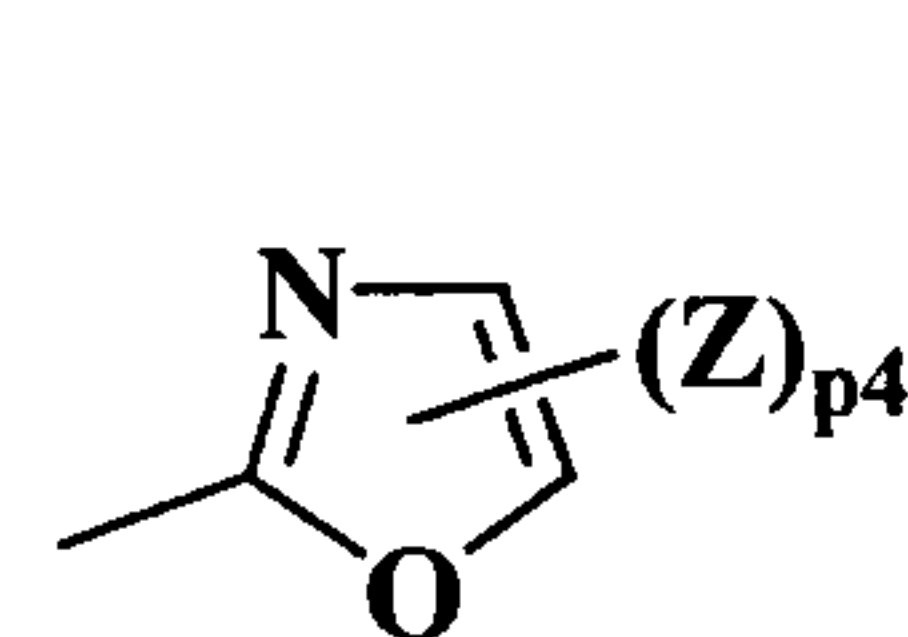
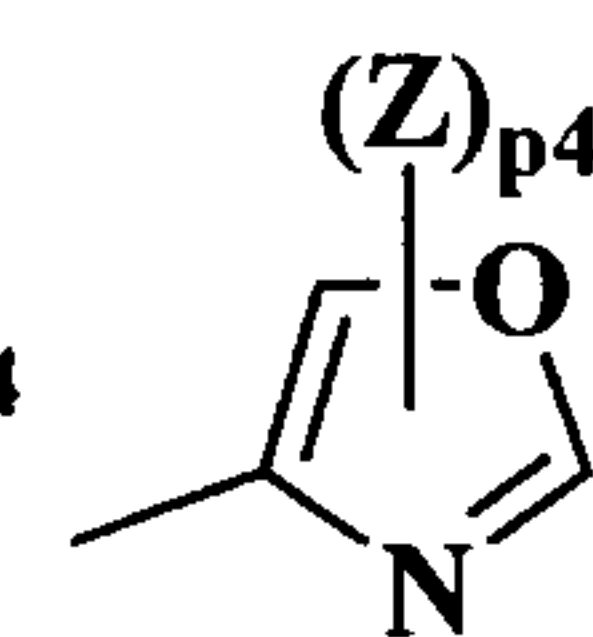
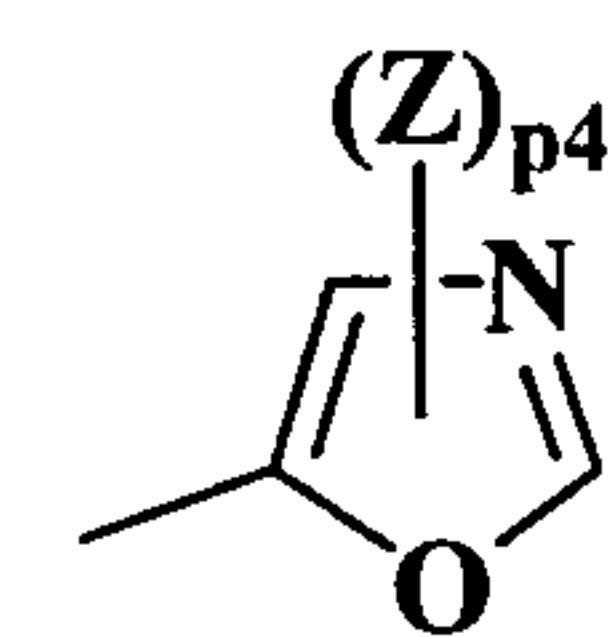
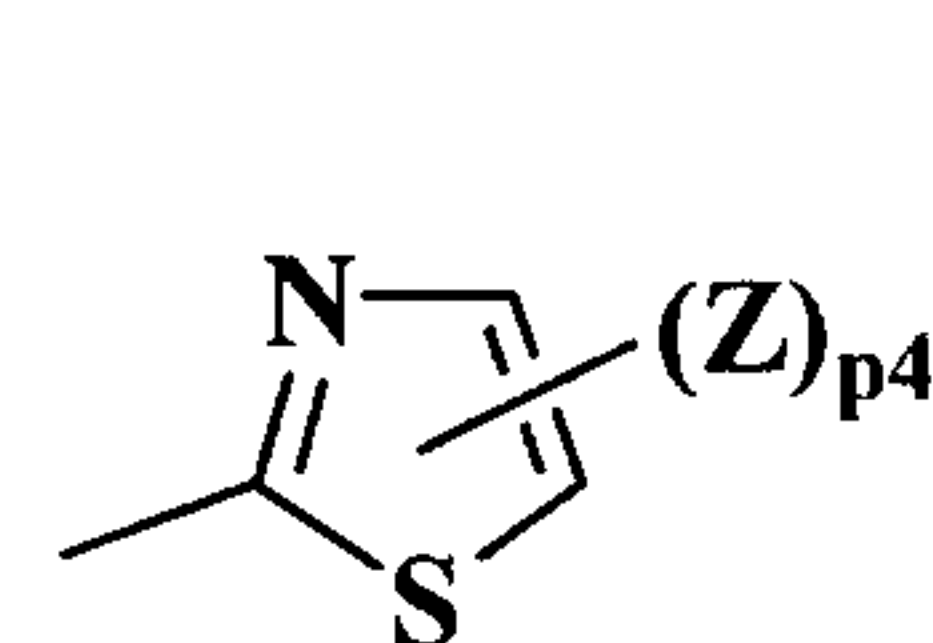
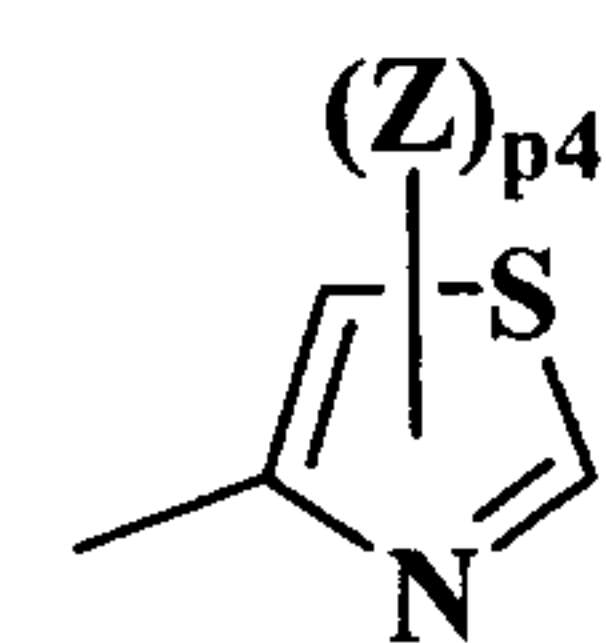
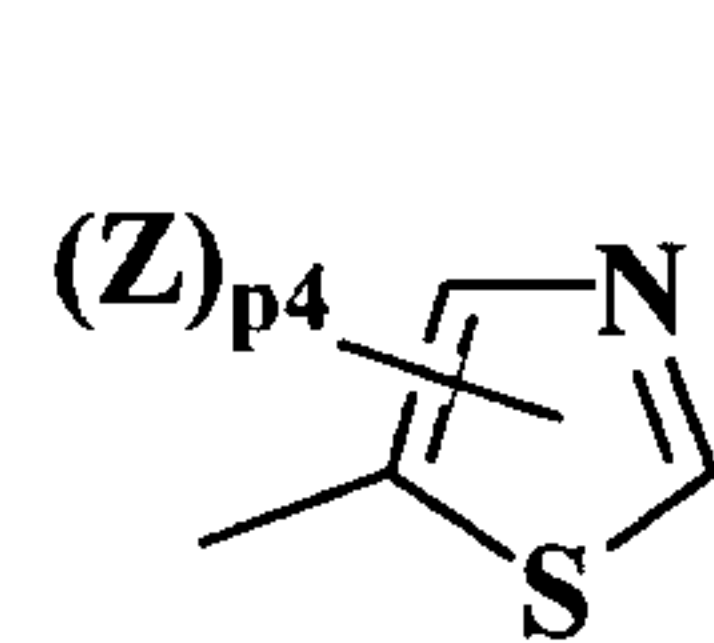
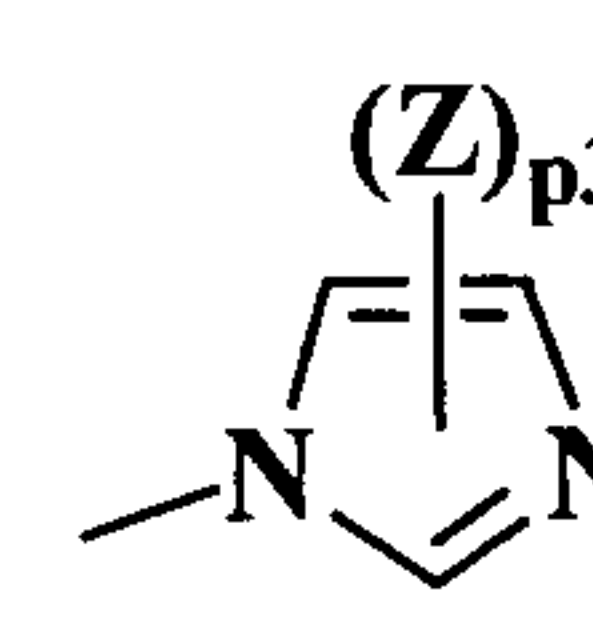
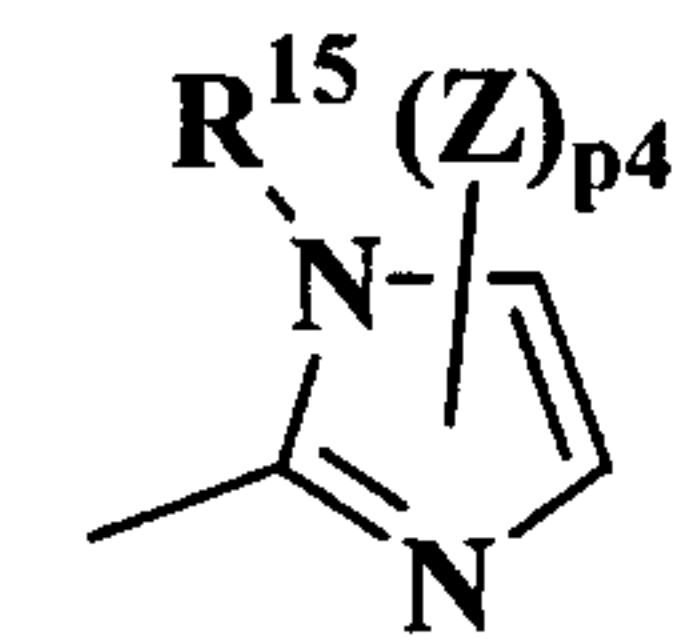
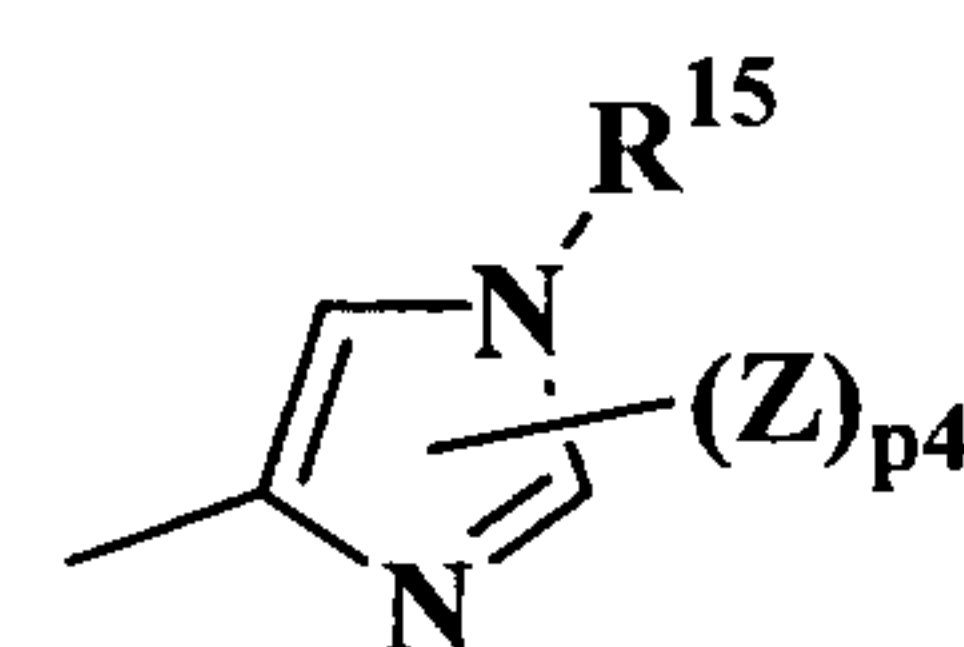
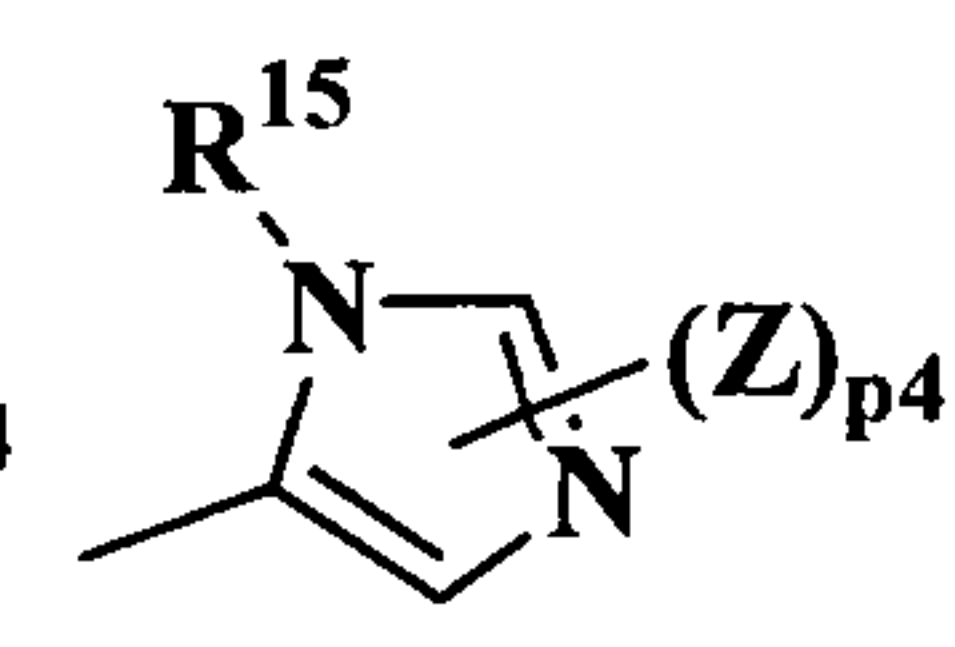
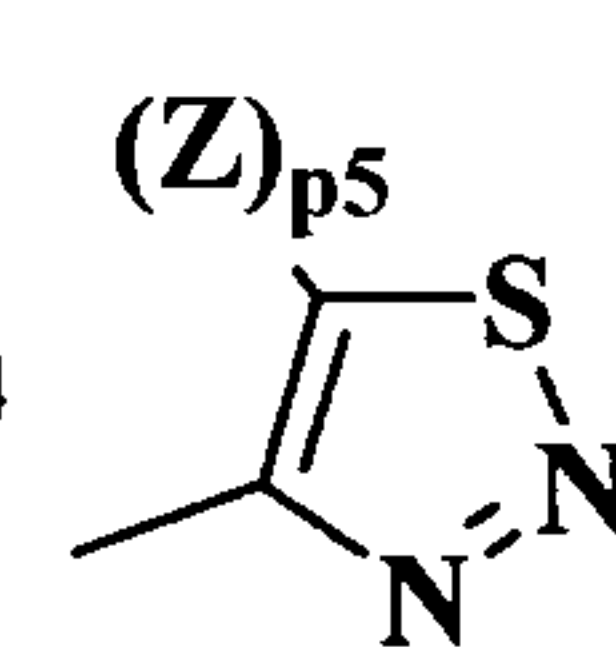
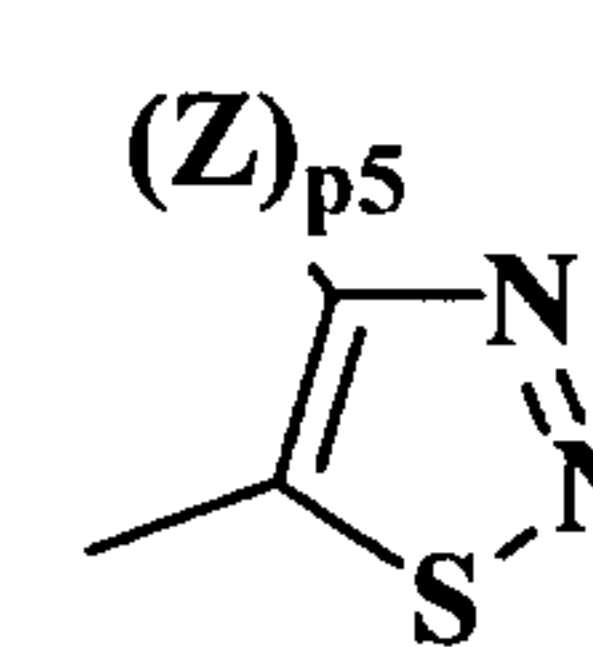
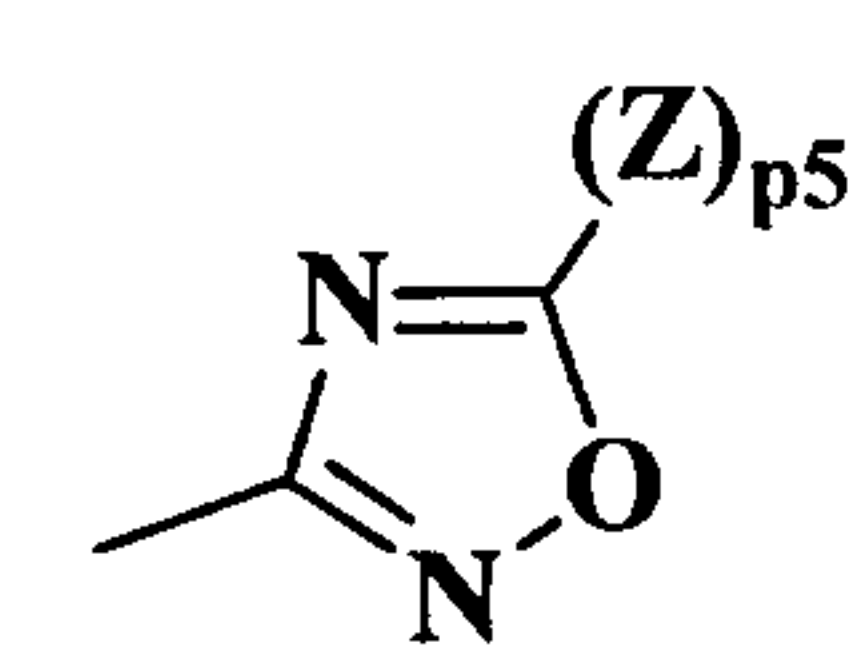
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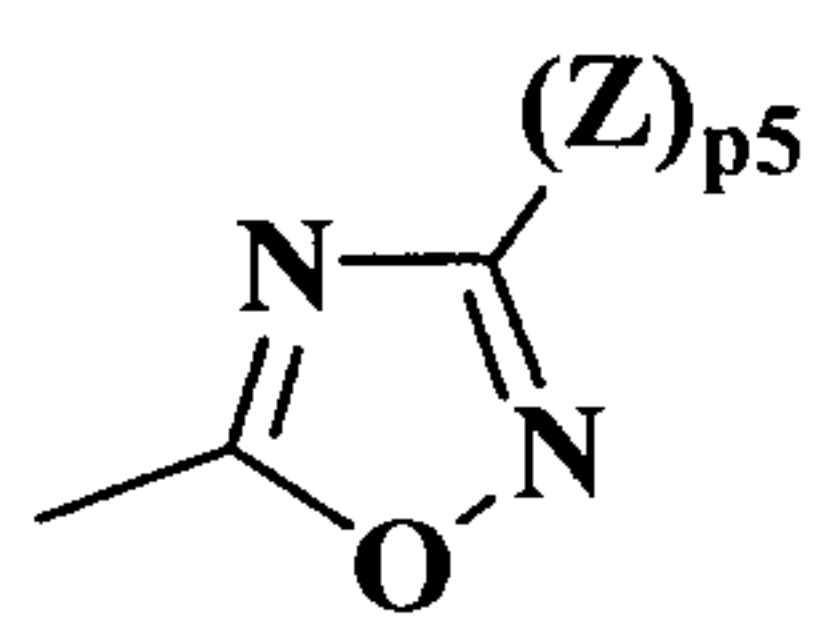
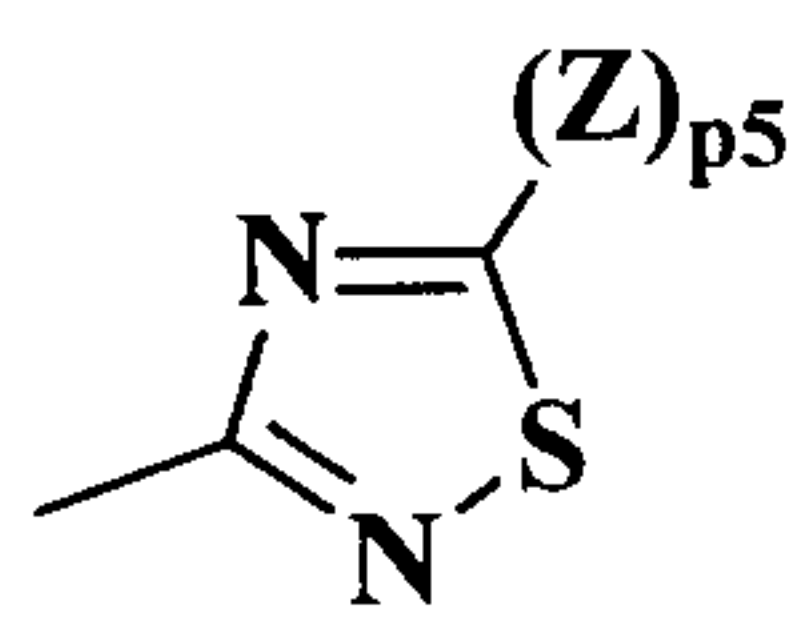
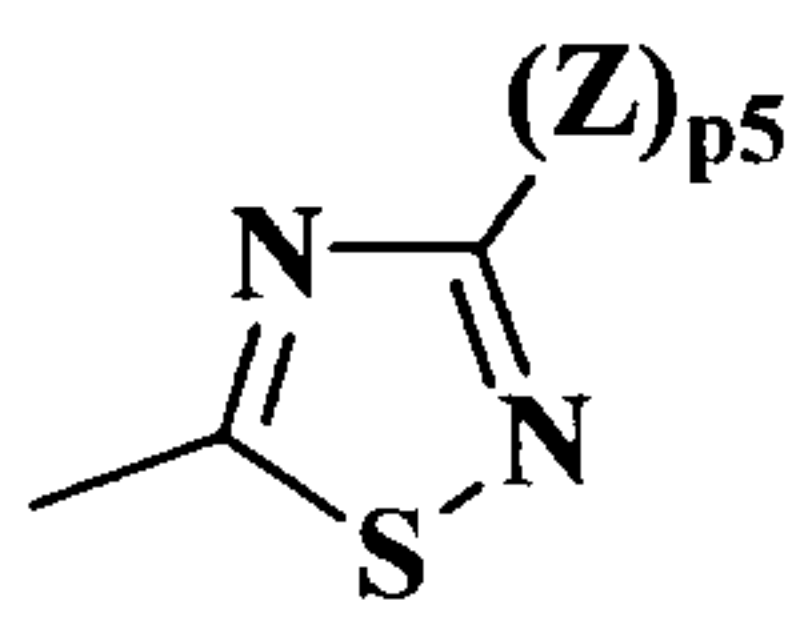
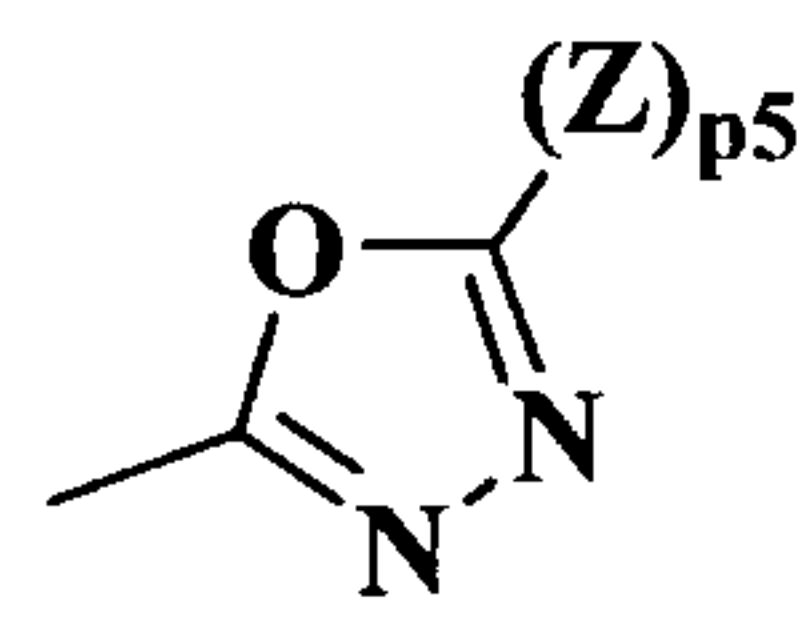
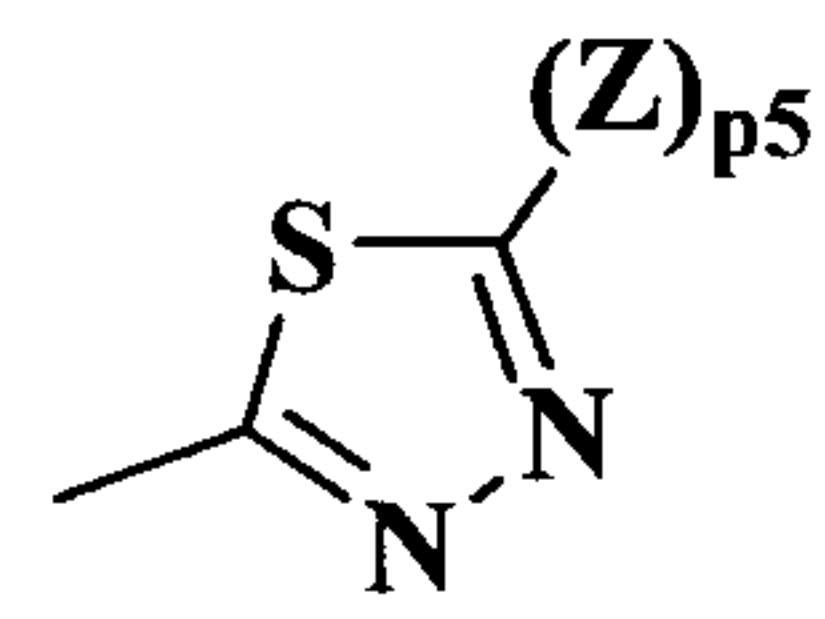
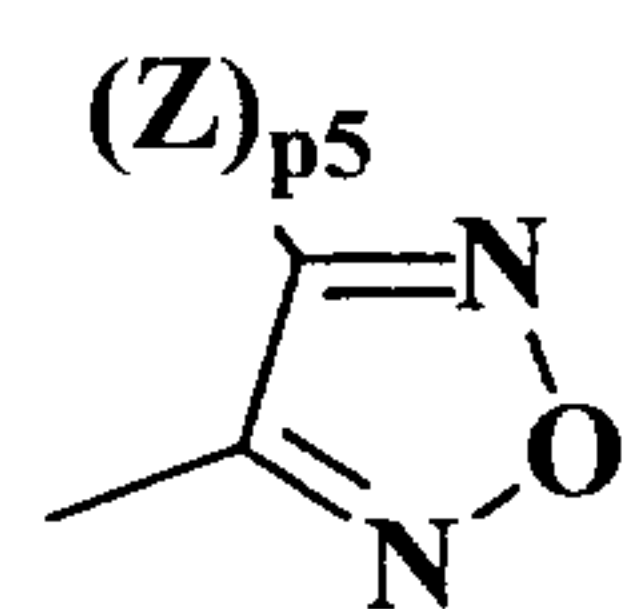
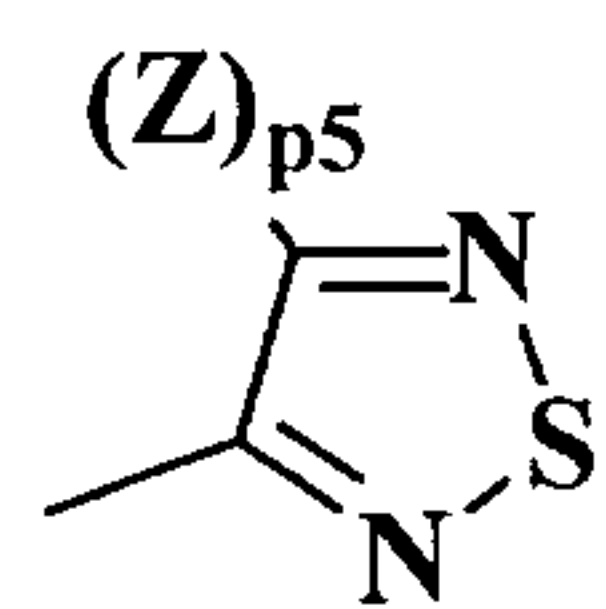
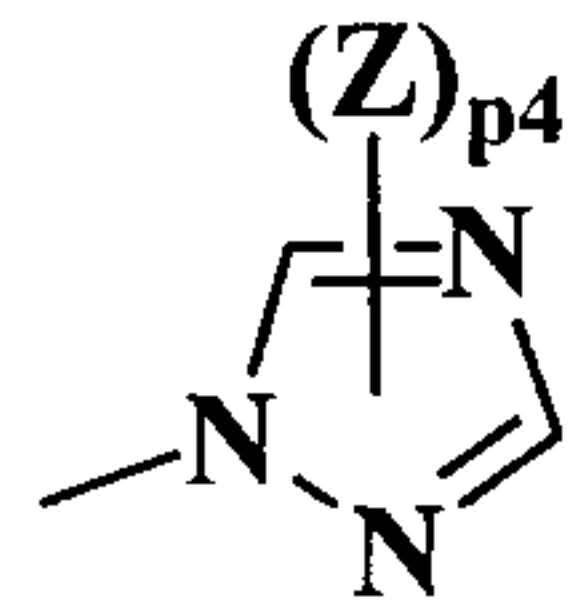
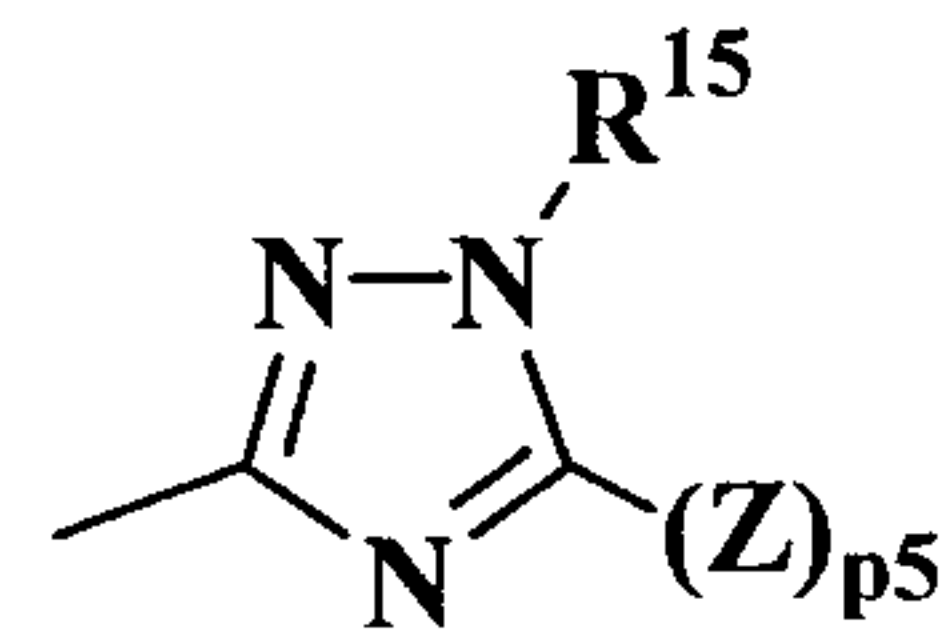
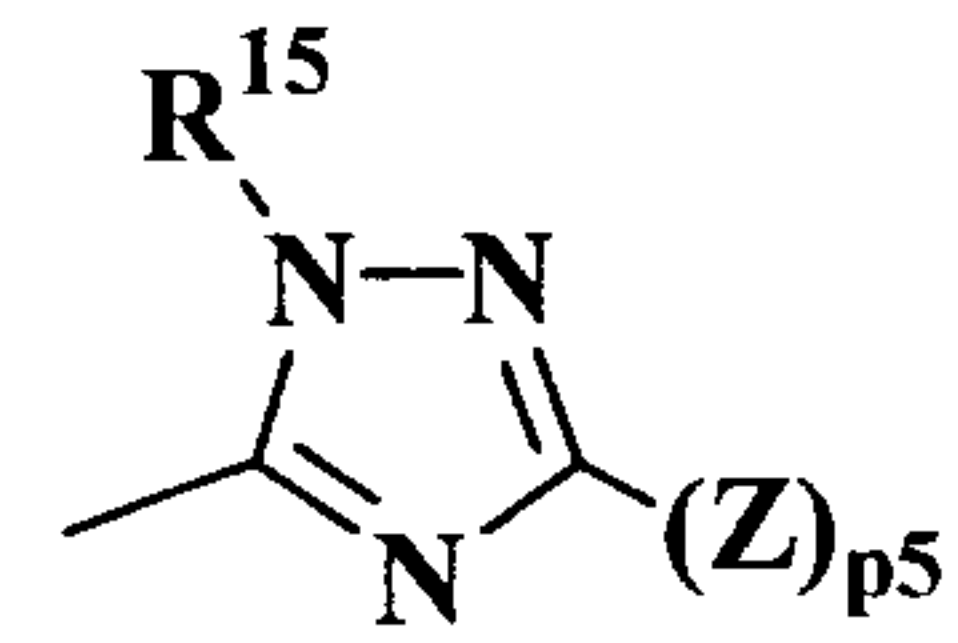
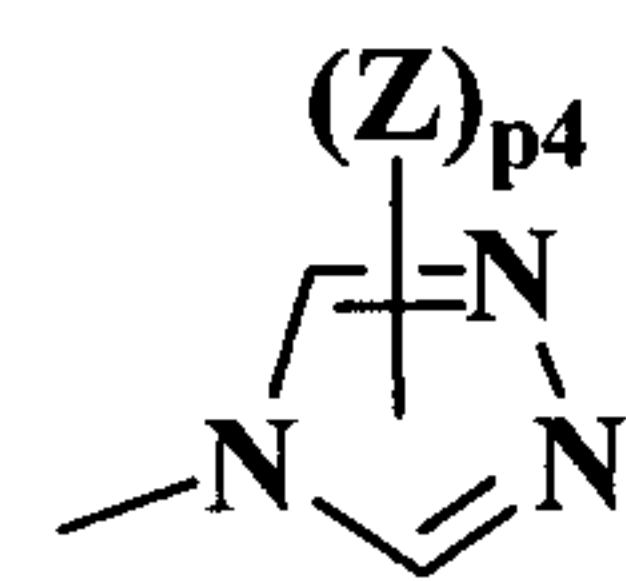
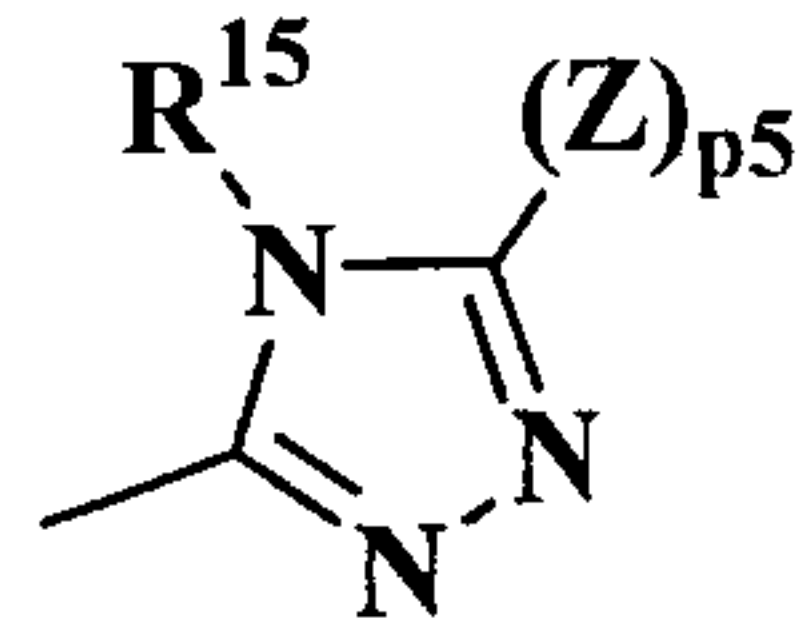
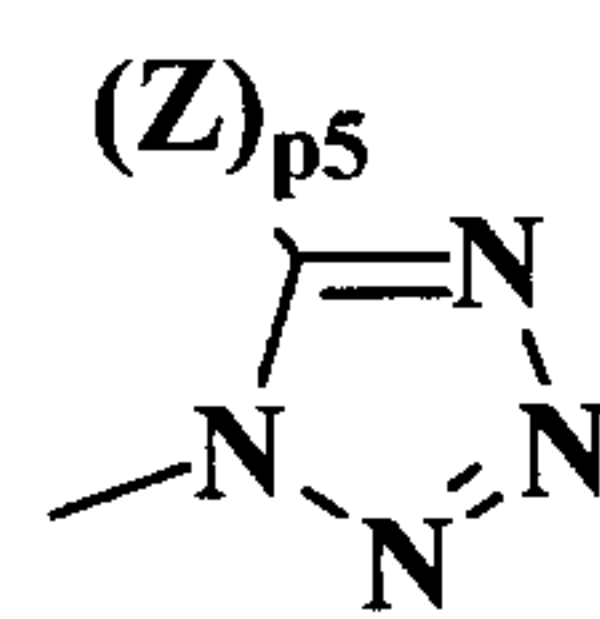
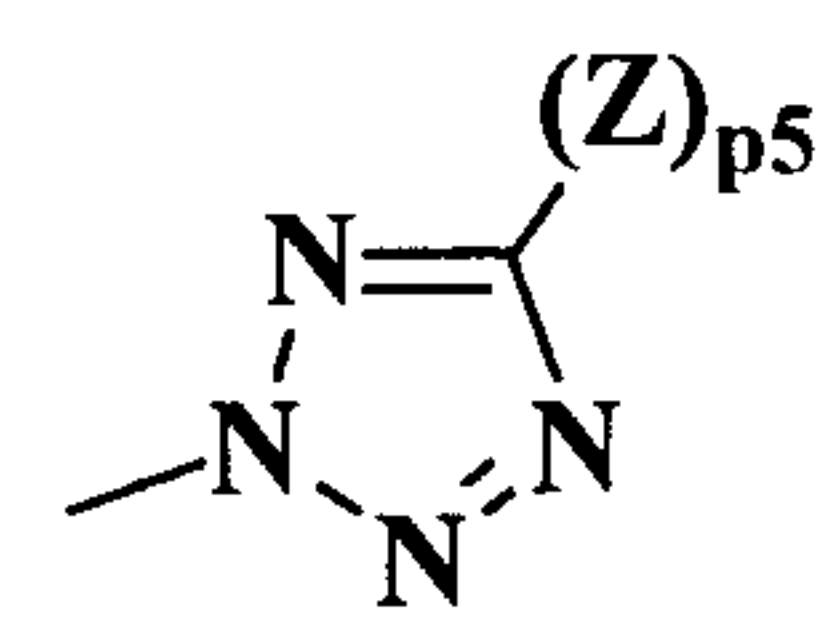
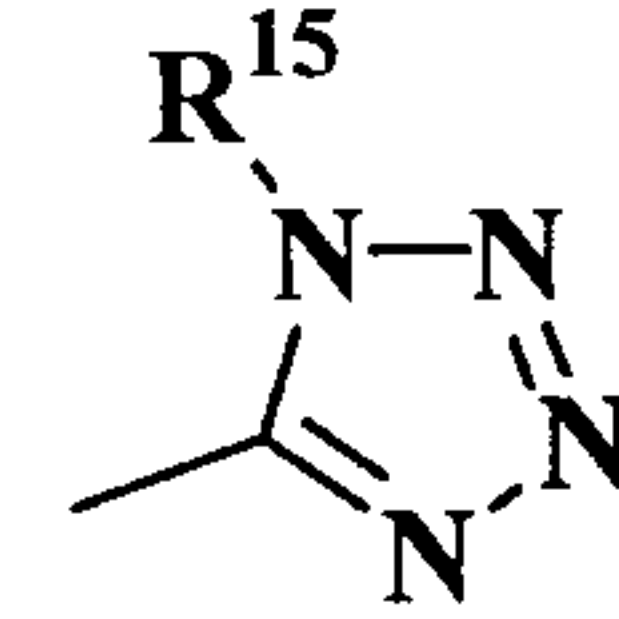
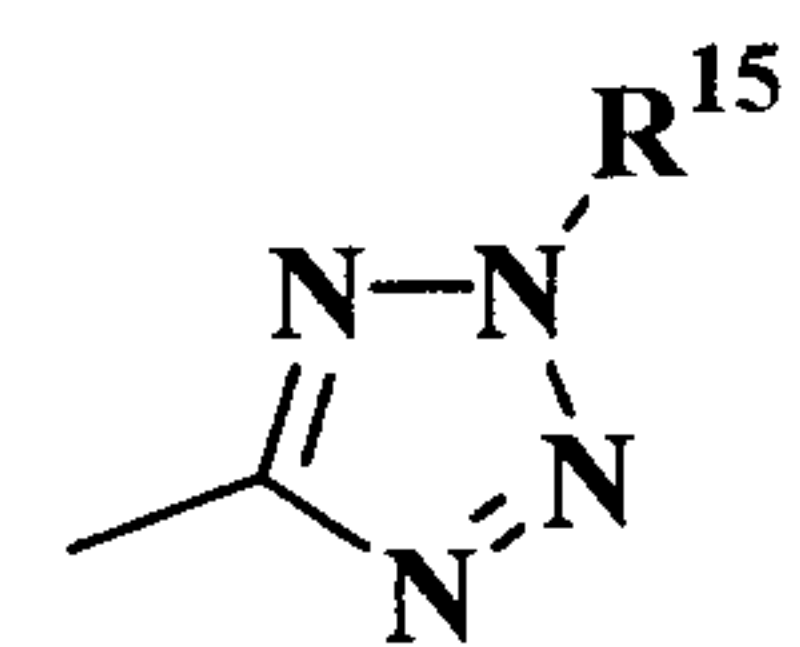
R¹ and R² independently of each other are hydrogen atom, cyano, C₁-C₁₂alkyl, C₁-C₁₂alkyl arbitrarily substituted with R¹⁶, C₃-C₁₂cycloalkyl, C₃-C₁₂cycloalkyl arbitrarily substituted with R¹⁶, C₃-C₁₂alkenyl, C₃-C₁₂alkenyl arbitrarily substituted with R¹⁶, C₃-C₁₂cycloalkenyl, C₃-C₁₂halocycloalkenyl, C₃-C₁₂alkynyl, C₃-C₁₂alkynyl arbitrarily substituted with R¹⁶, -SR⁹, -S(O)₂R⁹, -SN(R¹⁸)R¹⁷, -S(O)₂N(R¹⁰)R⁹, -OH, -OR¹⁹, -NHR²⁰, -N(R²⁰)R¹⁹, -N=CHR^{19b}, -N=C(R^{19b})R^{19a}, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(O)N(R¹⁰)R⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)N(R¹⁰)R⁹, -C(=NR¹¹)OR⁹, -C(=NR¹¹)SR⁹, -C(=NR¹¹)N(R¹⁰)R⁹, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-6 to D-13, D-15 to D-23, D-25 to D-37, D-39, D-40, D-42, D-45 to D-60, E-3 to E-9, E-23 to E-28, E-30, E-31, E-34 or E-45, or R¹ and R² together form =C(R^{2a})R^{1a}, and further R¹ and R² together may form 3- to 8-membered ring together with the nitrogen atom bonding them by forming C₂-C₇ alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxy (C₁-C₆)alkyl, C₁-C₆alkoxy, formyl, C₁-C₆alkylcarbonyl, C₁-C₆haloalkylcarbonyl or C₁-C₆alkoxycarbonyl, R^{1a} and R^{2a} independently of each other are C₁-C₁₂alkyl, C₁-C₁₂haloalkyl, C₃-C₁₂cycloalkyl, C₃-C₁₂alkenyl, C₃-C₁₂haloalkenyl, C₃-C₁₂alkynyl, C₃-C₁₂haloalkynyl, -SR⁹, -OR⁹, -N(R¹⁰)R⁹, phenyl, phenyl substituted with (Z)_{p1}, or R^{1a} and R^{2a} together may form 5- or 6-membered ring together with the carbon atom bonding them by forming C₄ or C₅ alkylene chain or C₄ or C₅ alkenylene chain, in this case, the

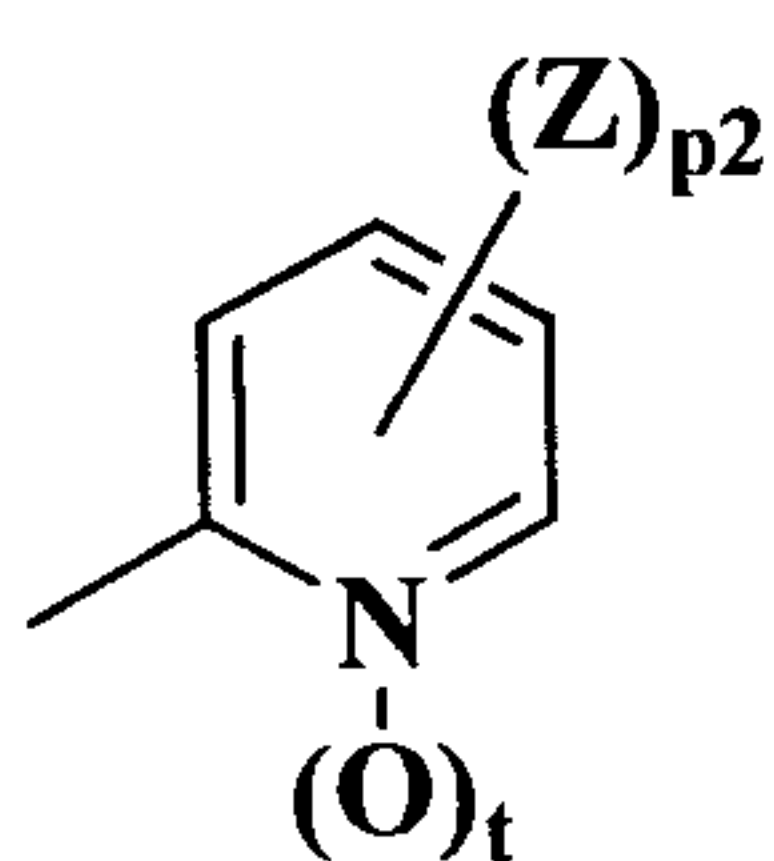
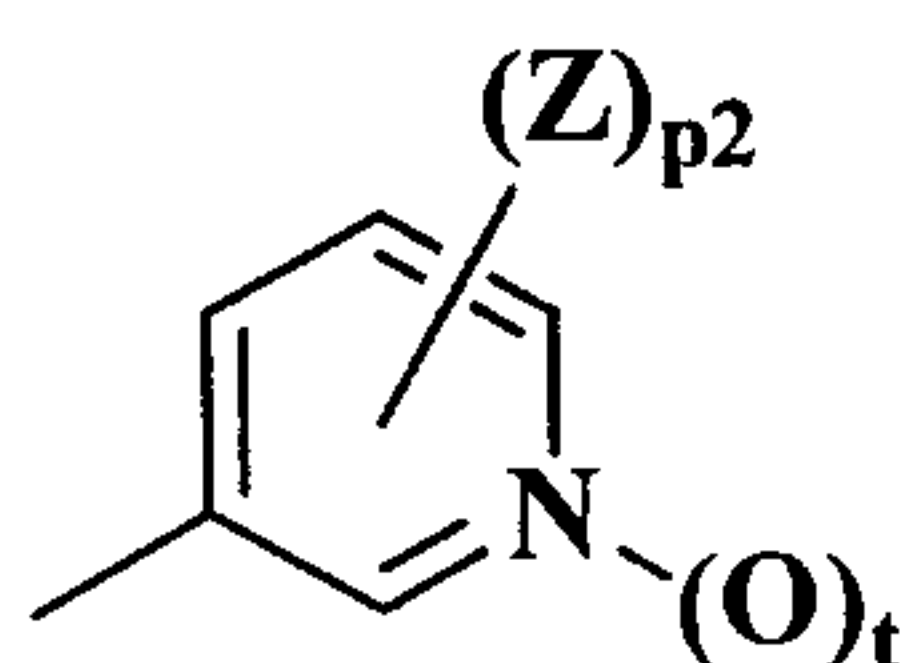
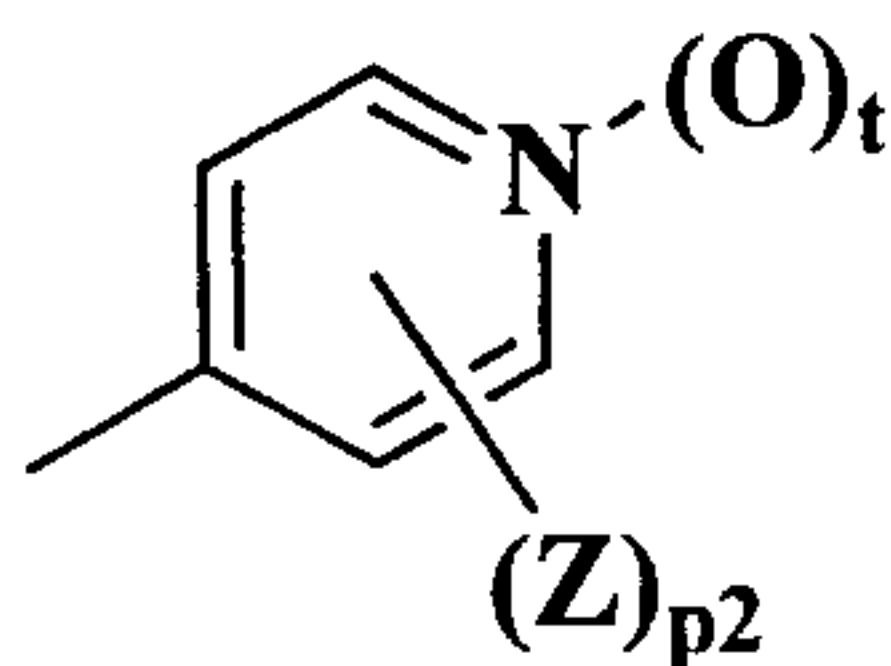
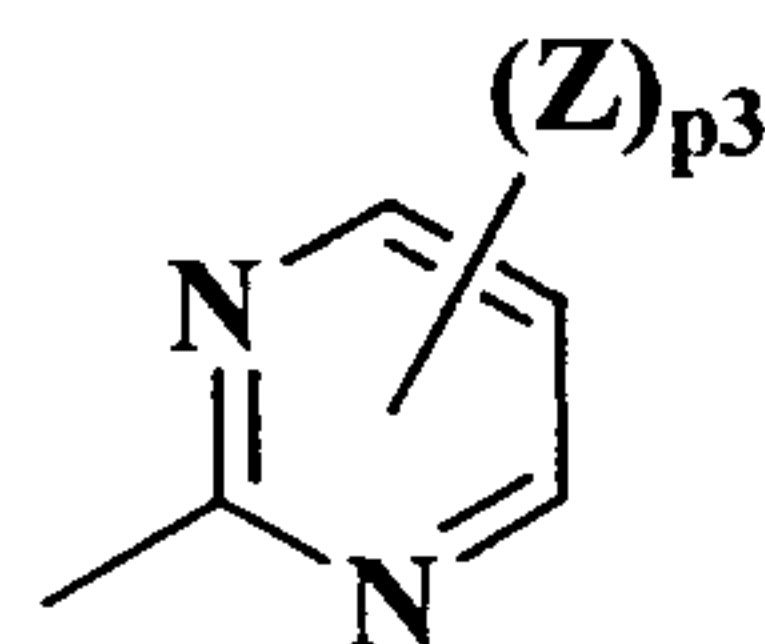
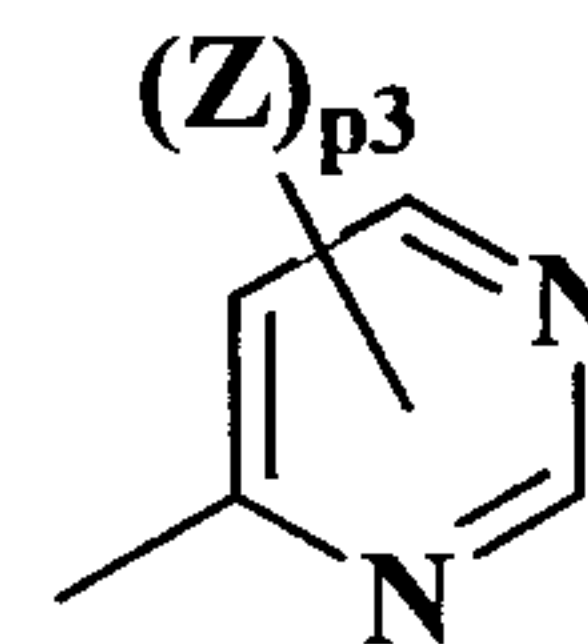
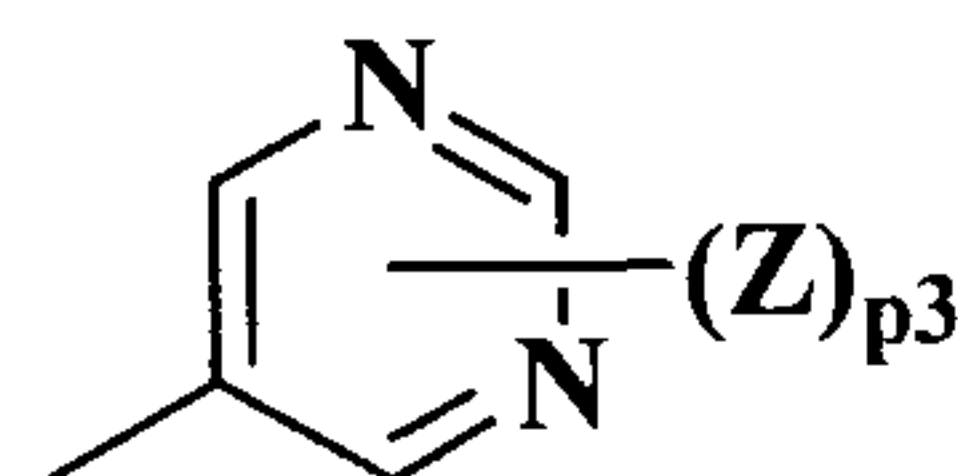
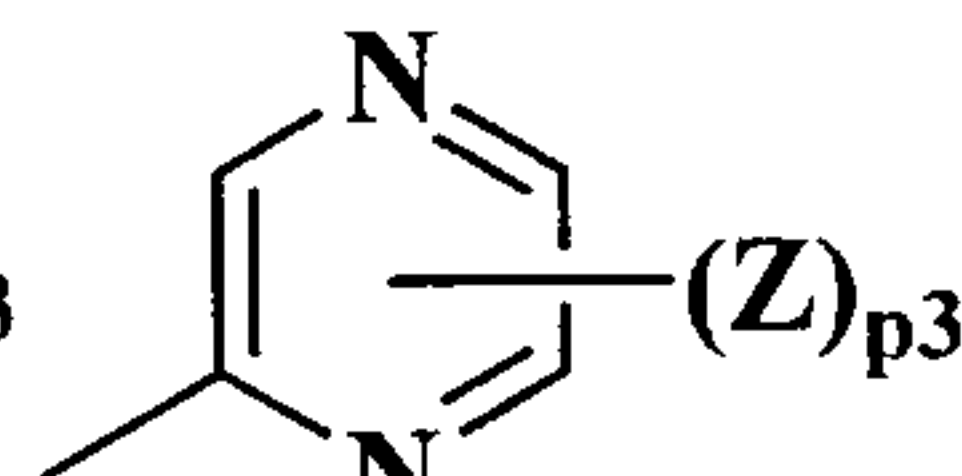
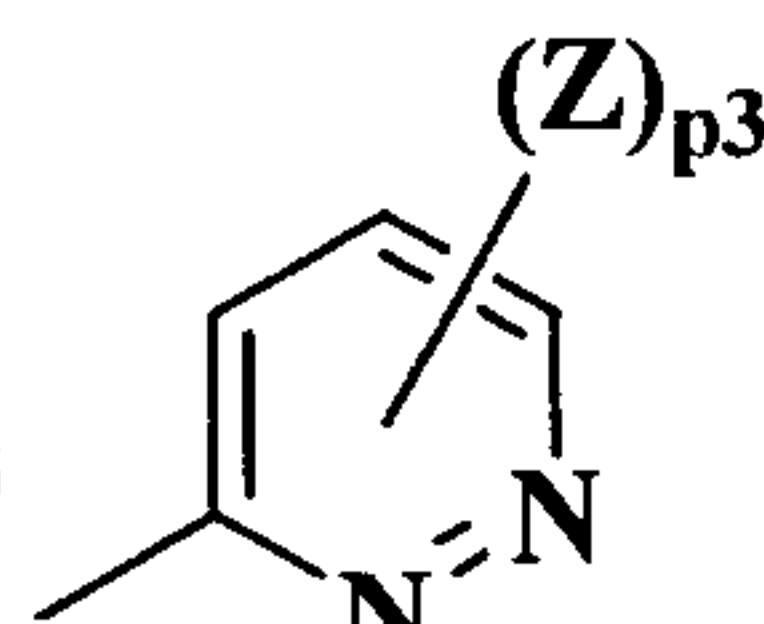
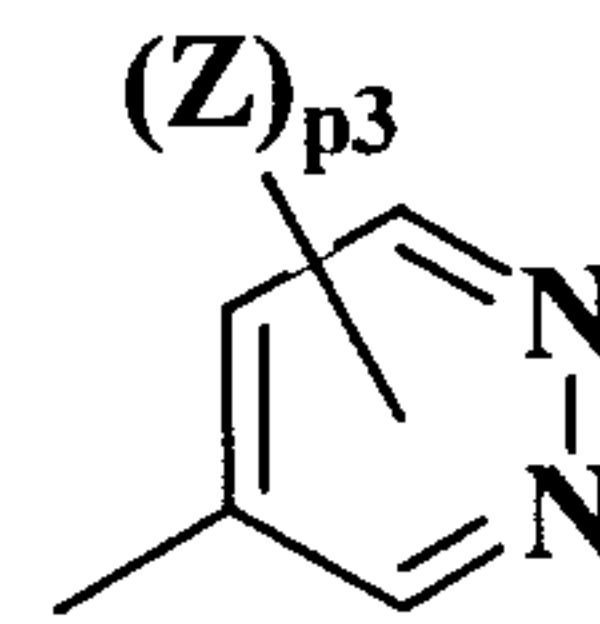
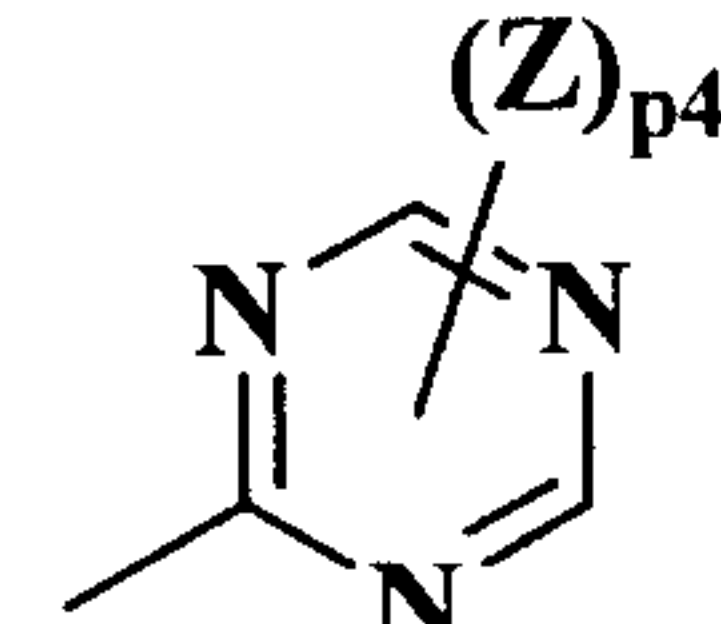
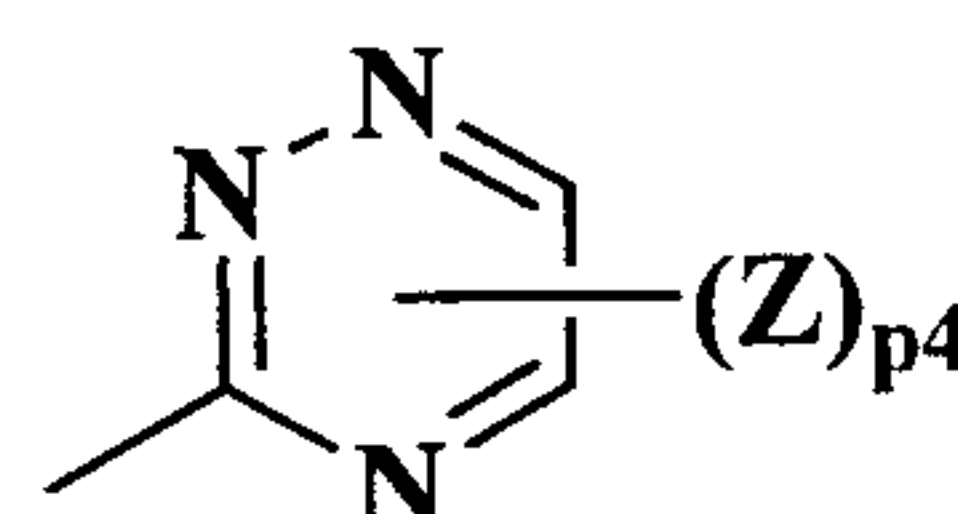
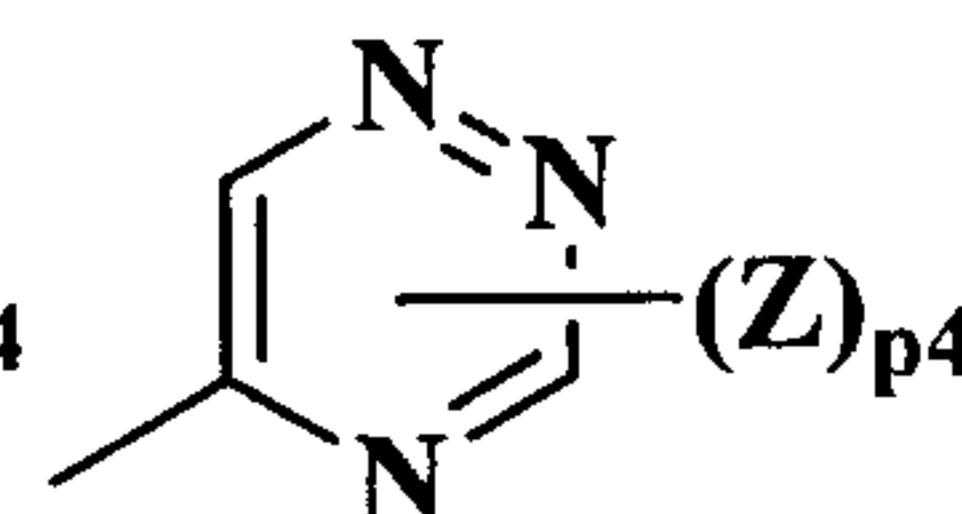
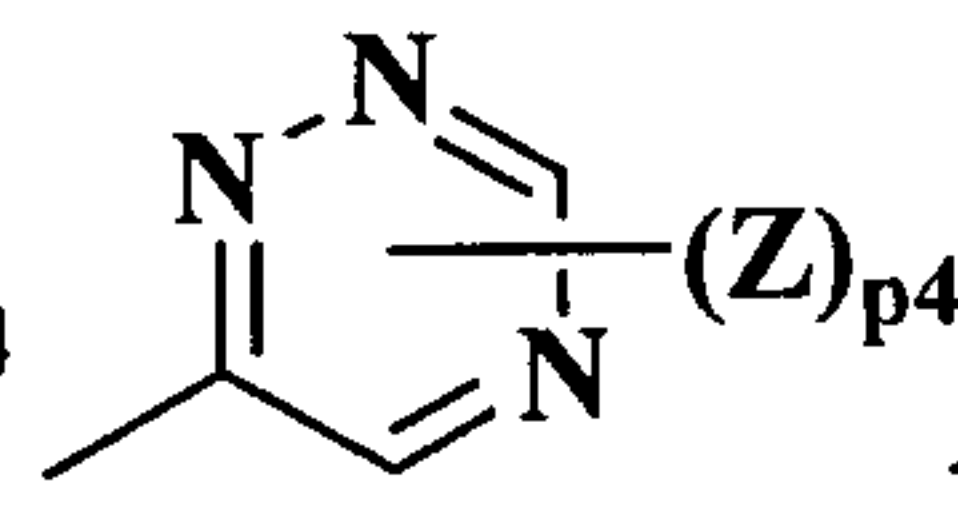
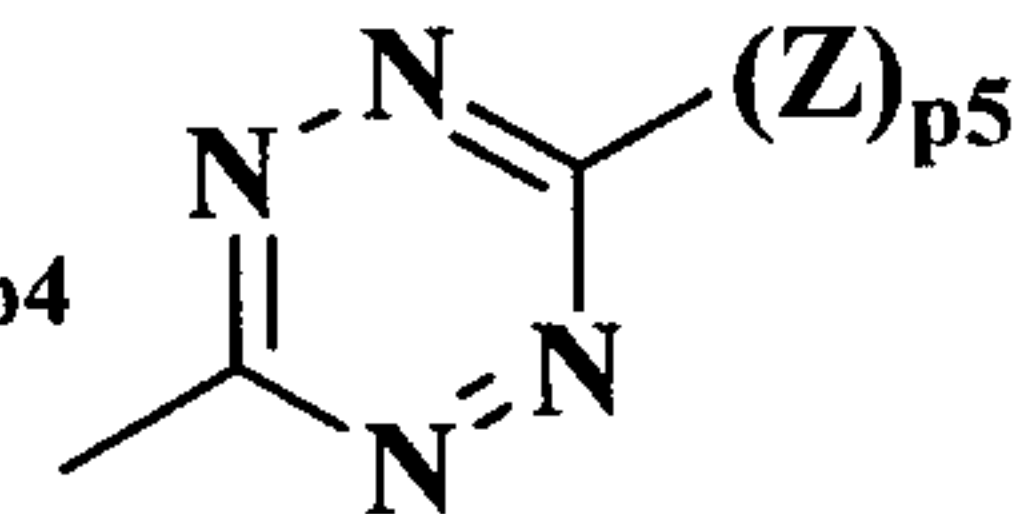
alkylene chain and the alkenylene chain may contain one to three oxygen atoms, sulfur atoms or nitrogen atoms, and may be arbitrarily substituted with halogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio or C₁-C₆haloalkylthio,

R³ is halogen atom, cyano, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, C₃-C₈cycloalkyl, C₃-C₈cycloalkyl arbitrarily substituted with R⁴, C₃-C₆alkenyl, C₂-C₆alkenyl arbitrarily substituted with R⁴, C₃-C₆alkynyl, C₂-C₆alkynyl arbitrarily substituted with R⁴, -OR⁵, -S(O)_rR⁵, -N(R¹⁰)R⁹, -CHO, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -CH=NOR¹¹, -C(R⁹)=NOR¹¹, -Si(R¹³)(R¹⁴)R¹², -P(O)(OR²¹)₂, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49,

D-1 to D-60 are aromatic heterocyclic rings of the following formulae, respectively

**D-1****D-2****D-3****D-4****D-5****D-6****D-7****D-8****D-9****D-10****D-11****D-12****D-13****D-14****D-15****D-16****D-17****D-18****D-19****D-20****D-21****D-22****D-23****D-24****D-25****D-26****D-27****D-28****D-29****D-30**

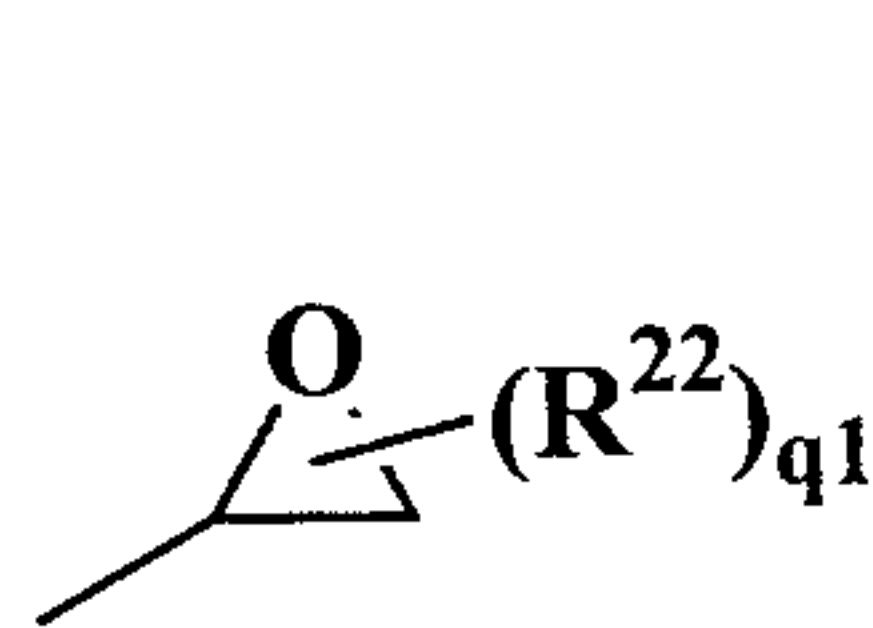
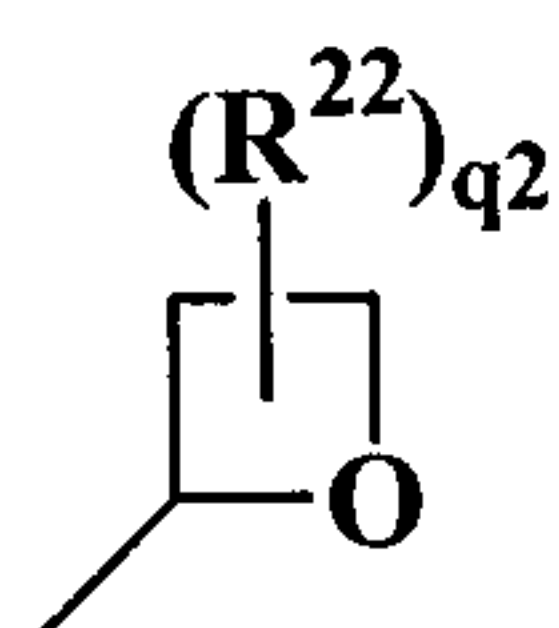
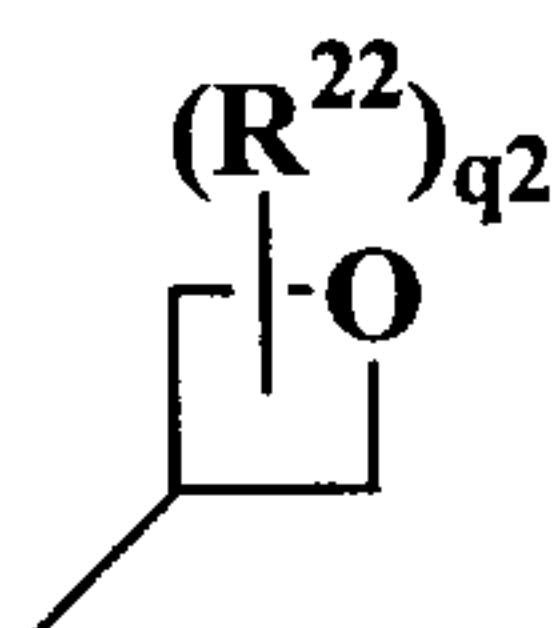
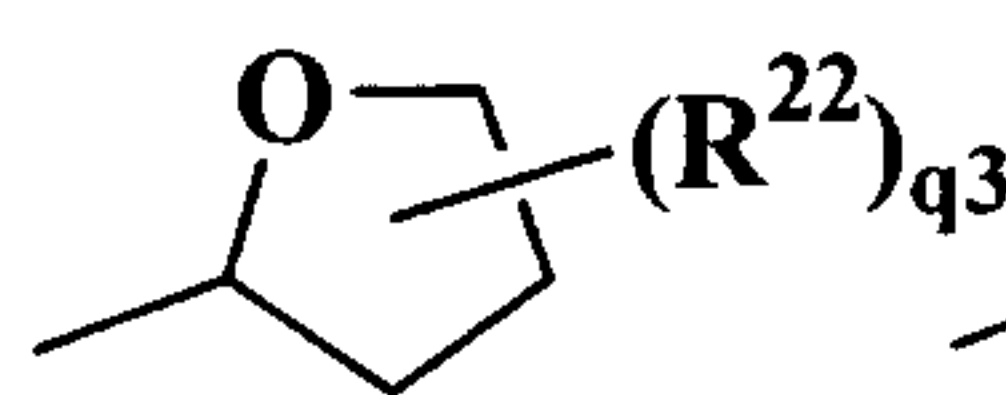
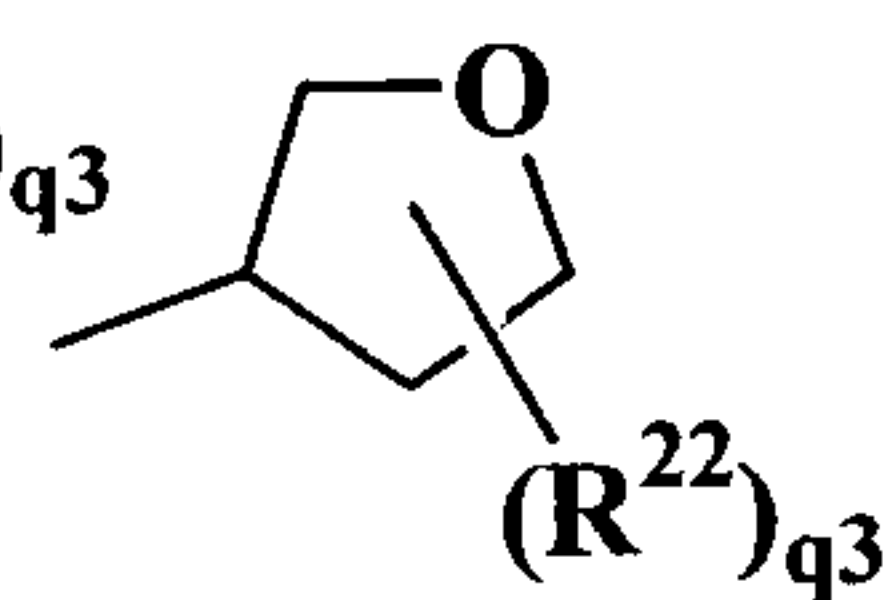
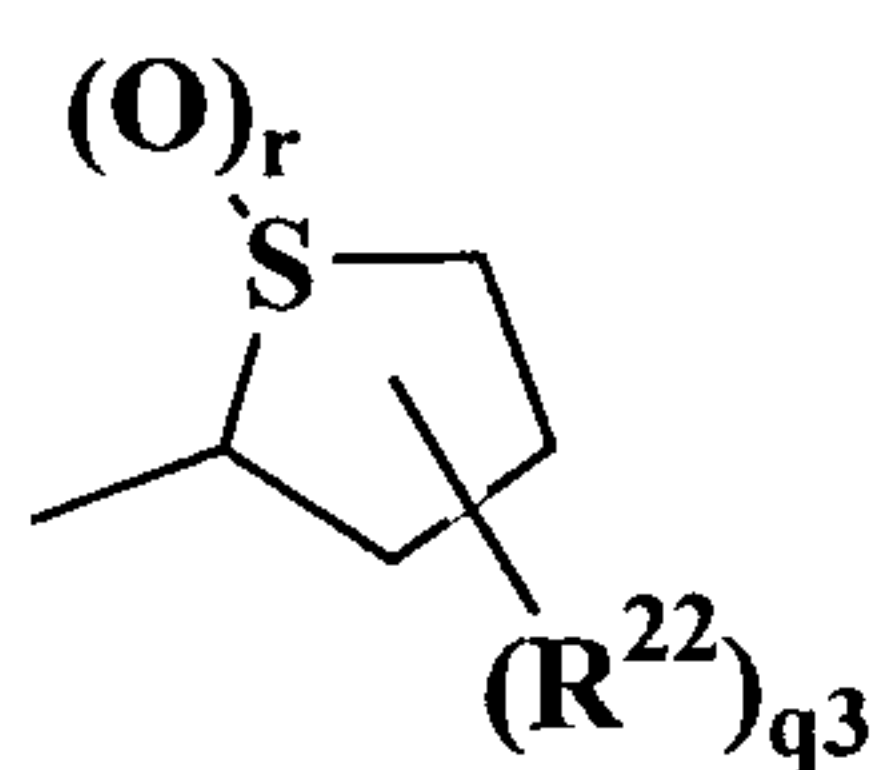
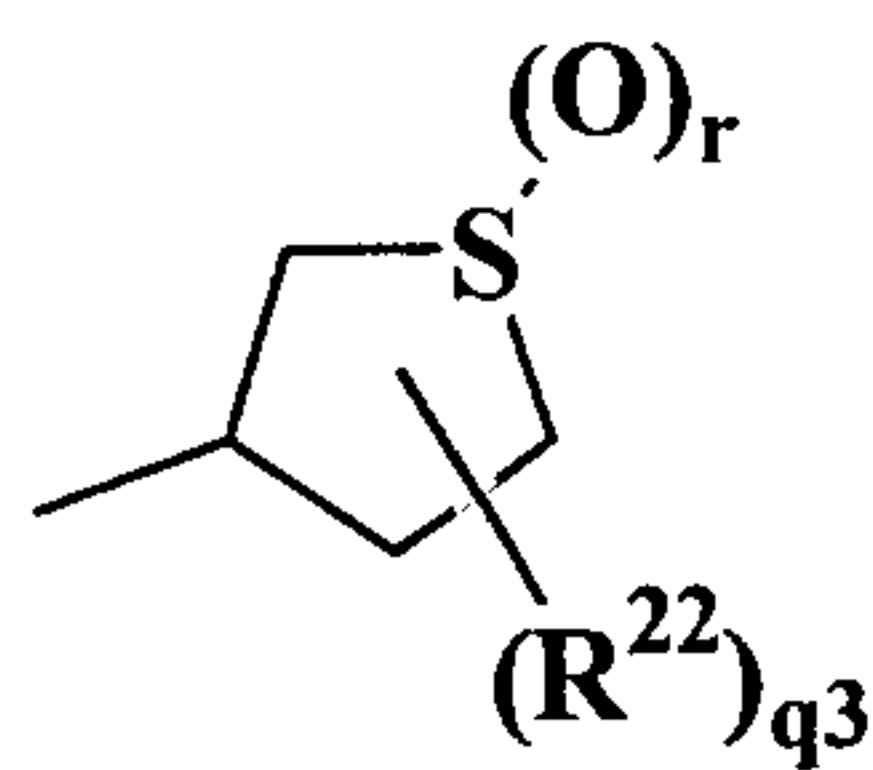
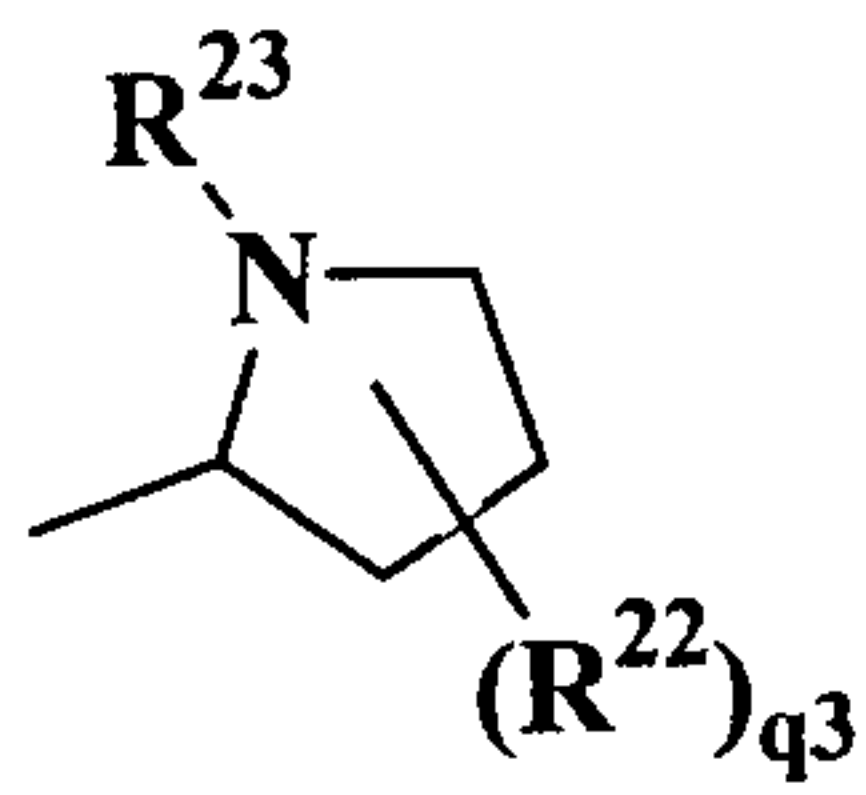
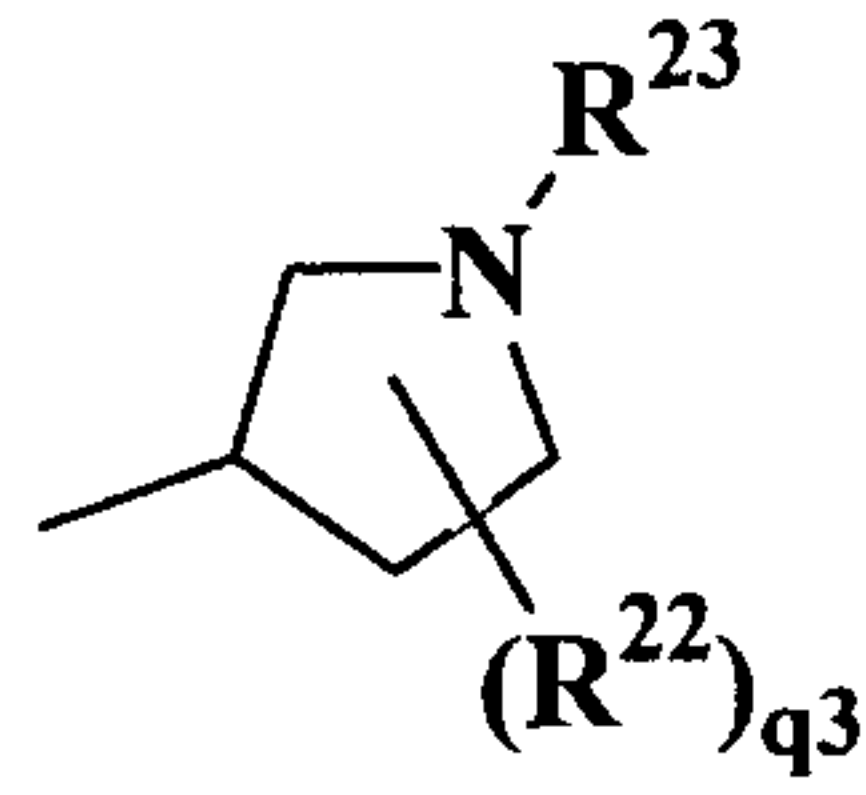
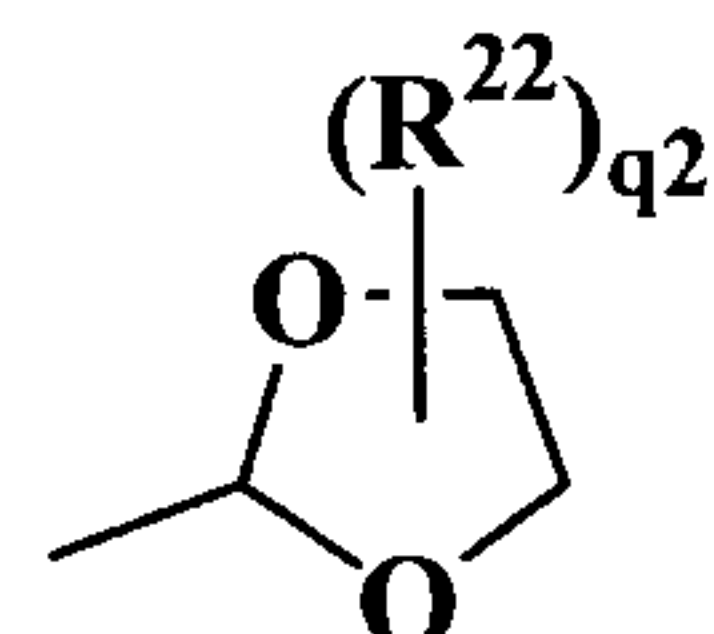
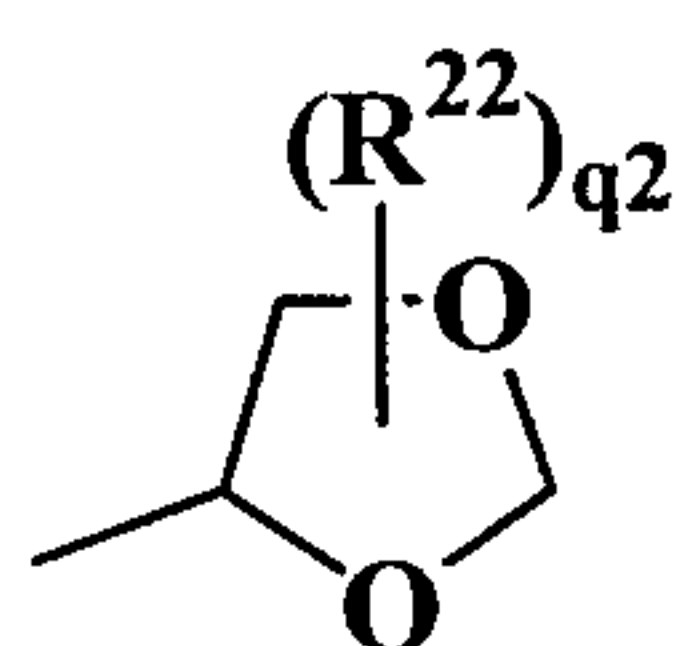
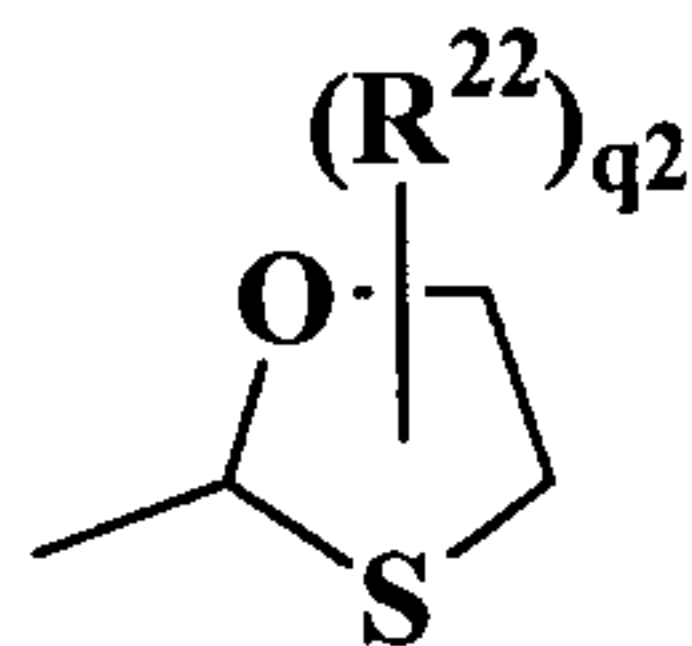
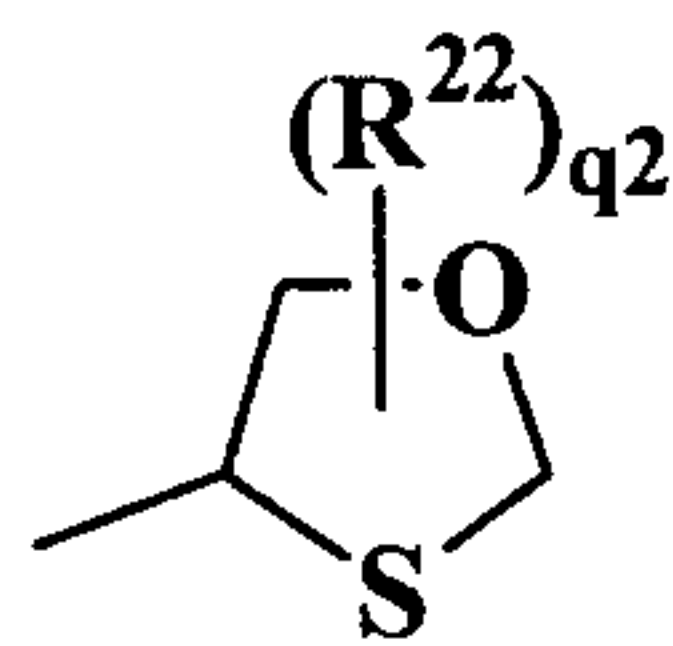
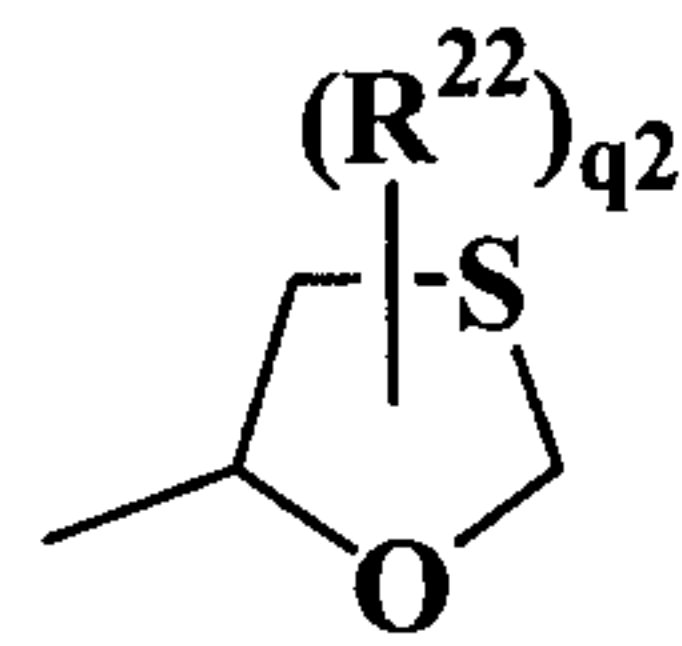
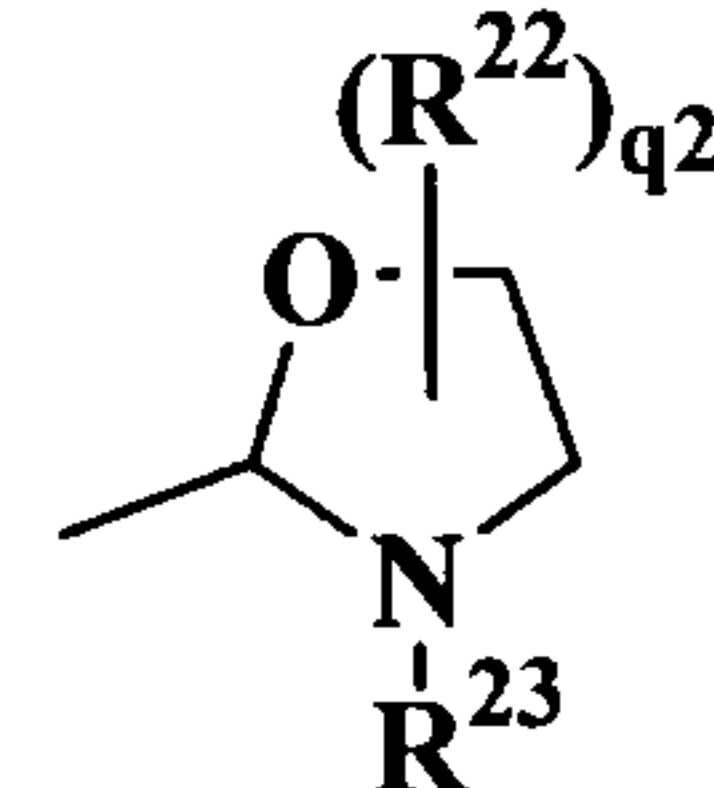
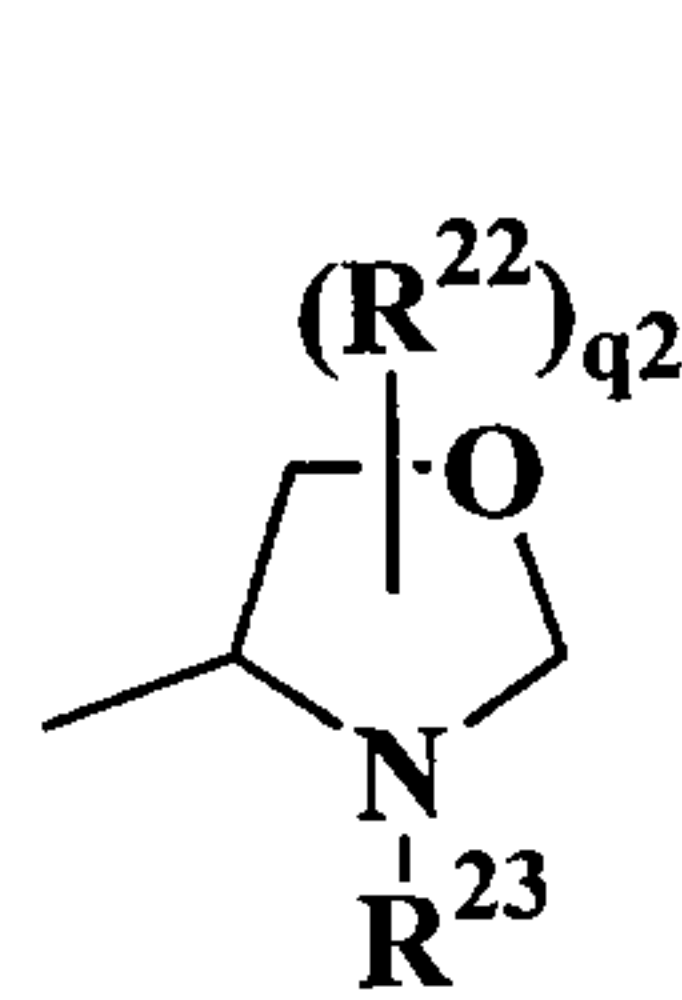
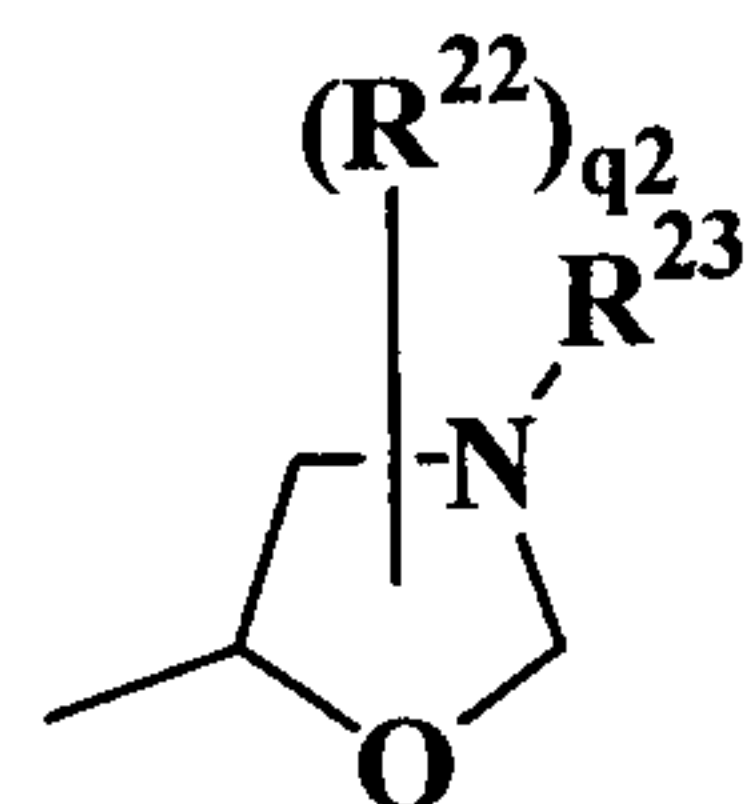
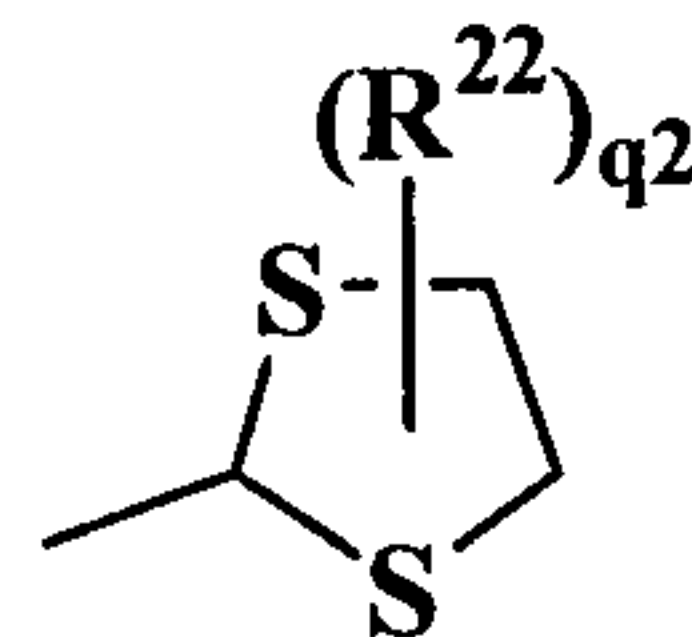
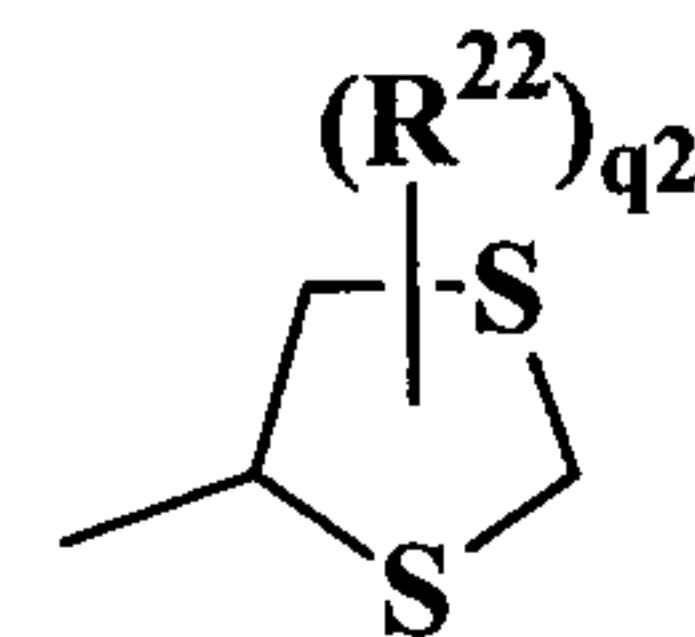
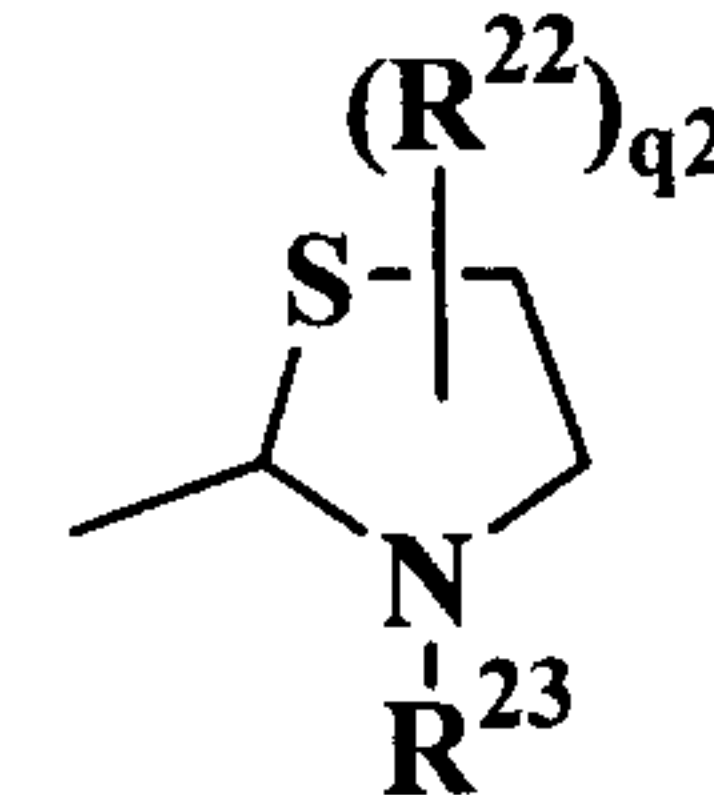
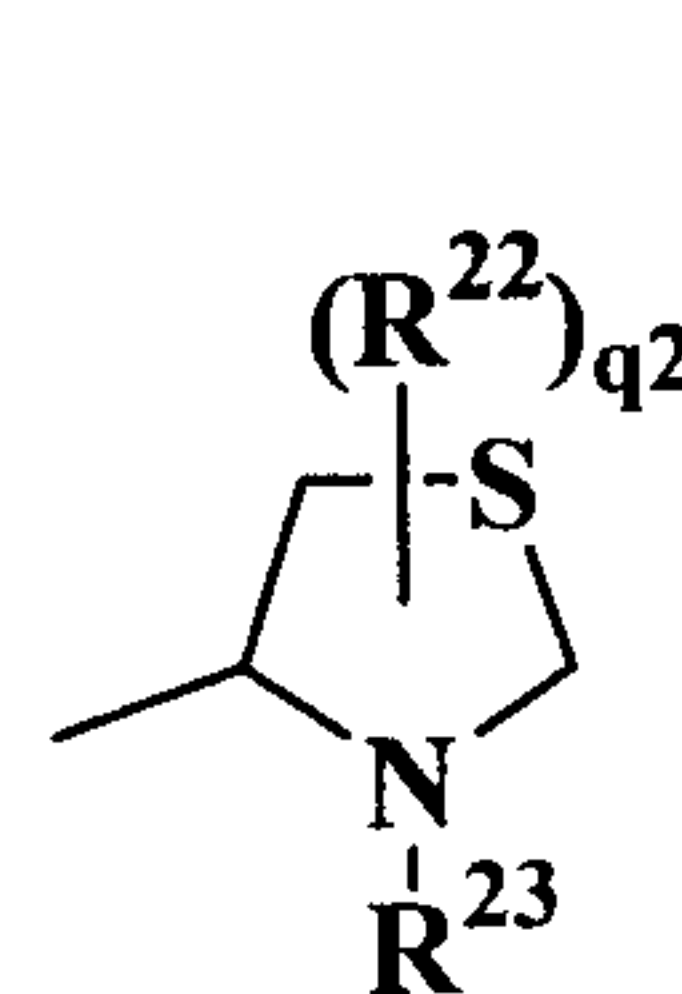
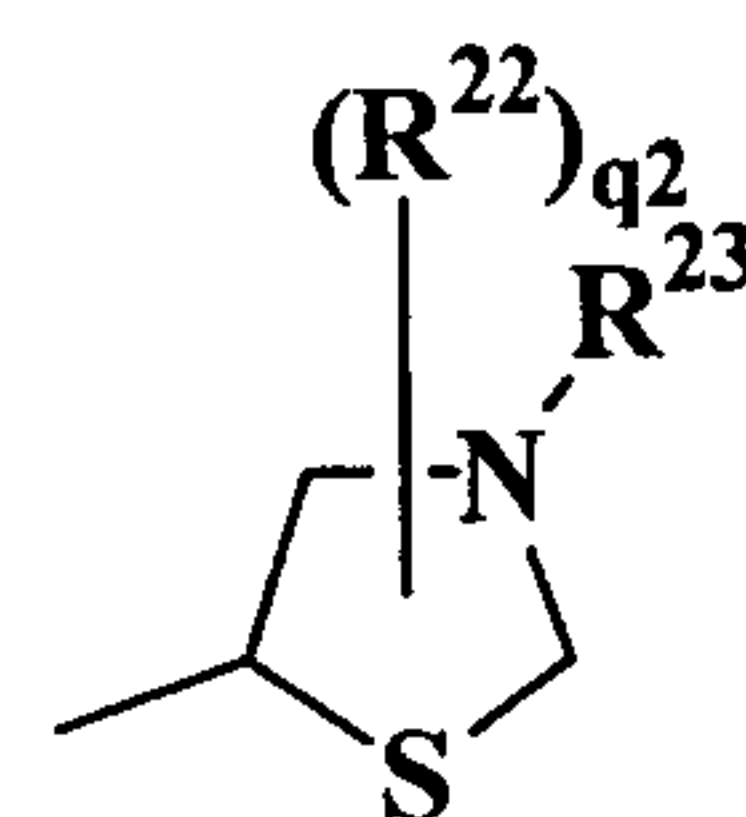
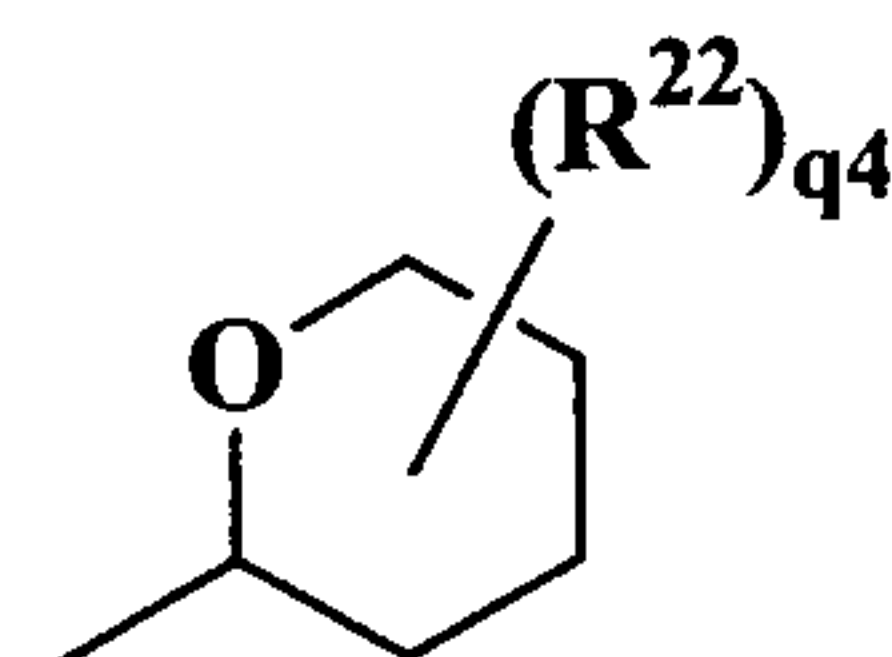
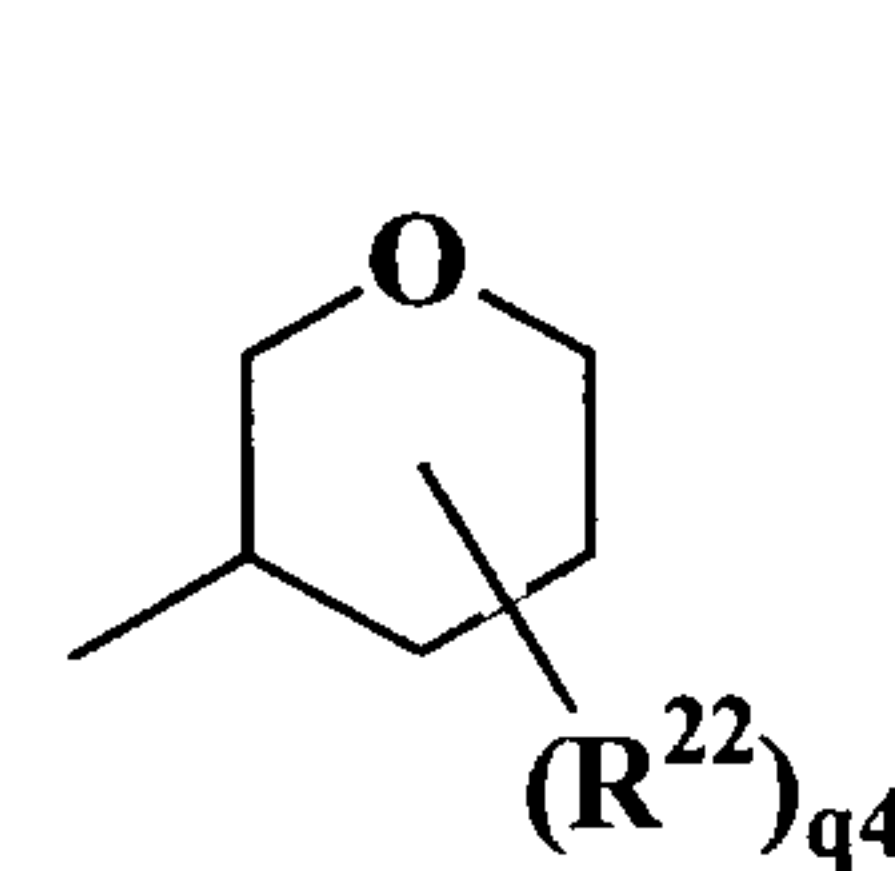
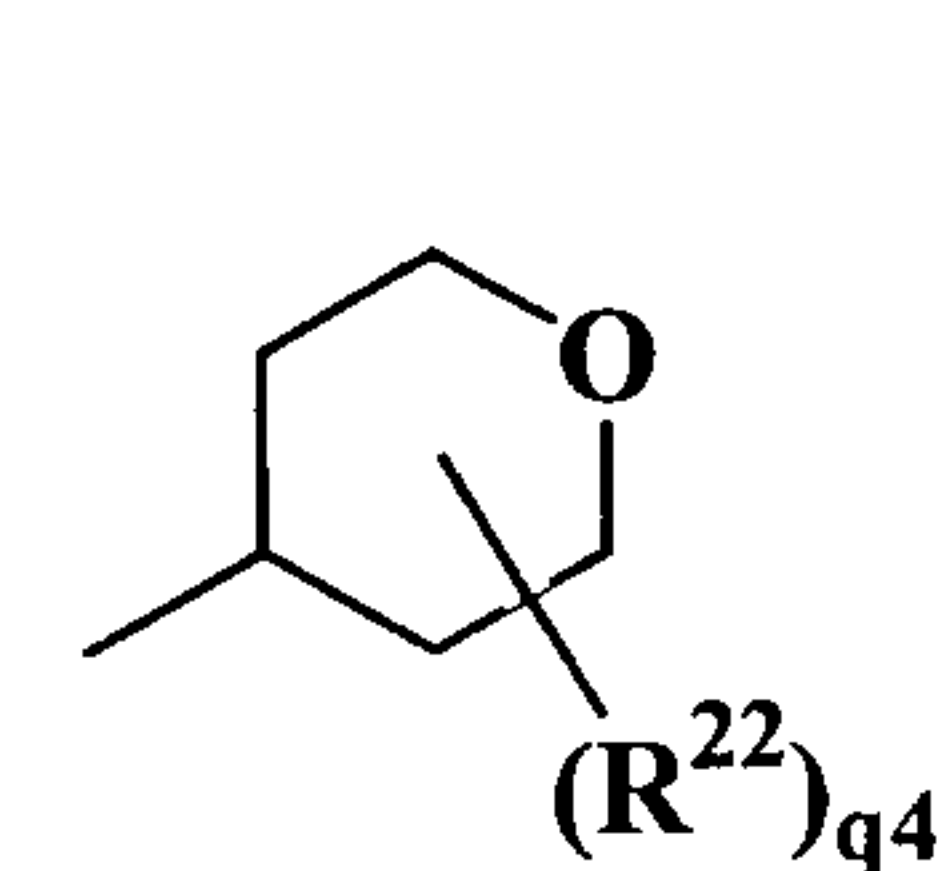
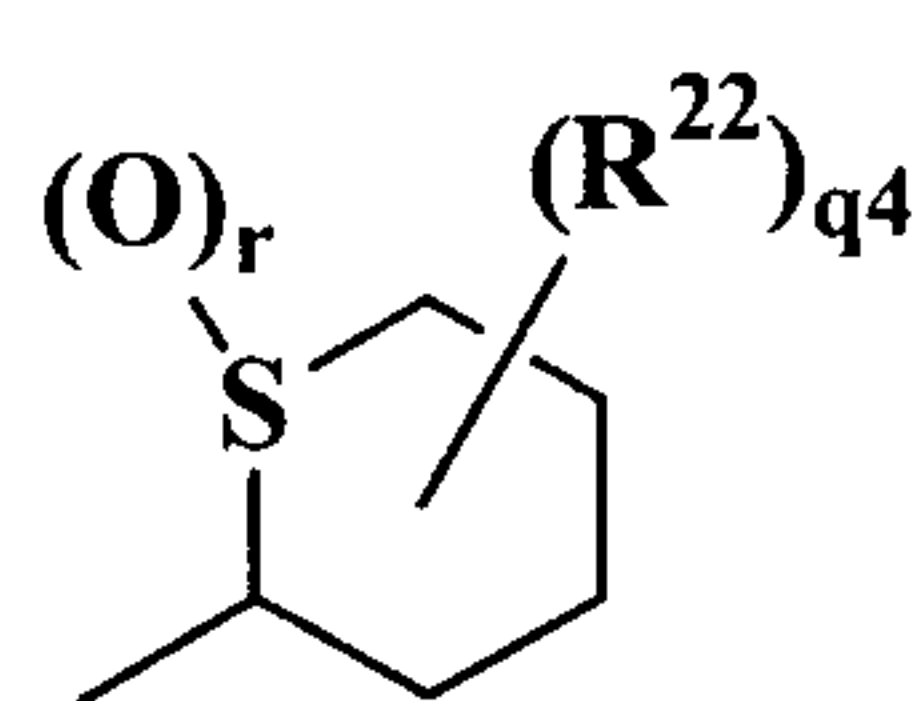
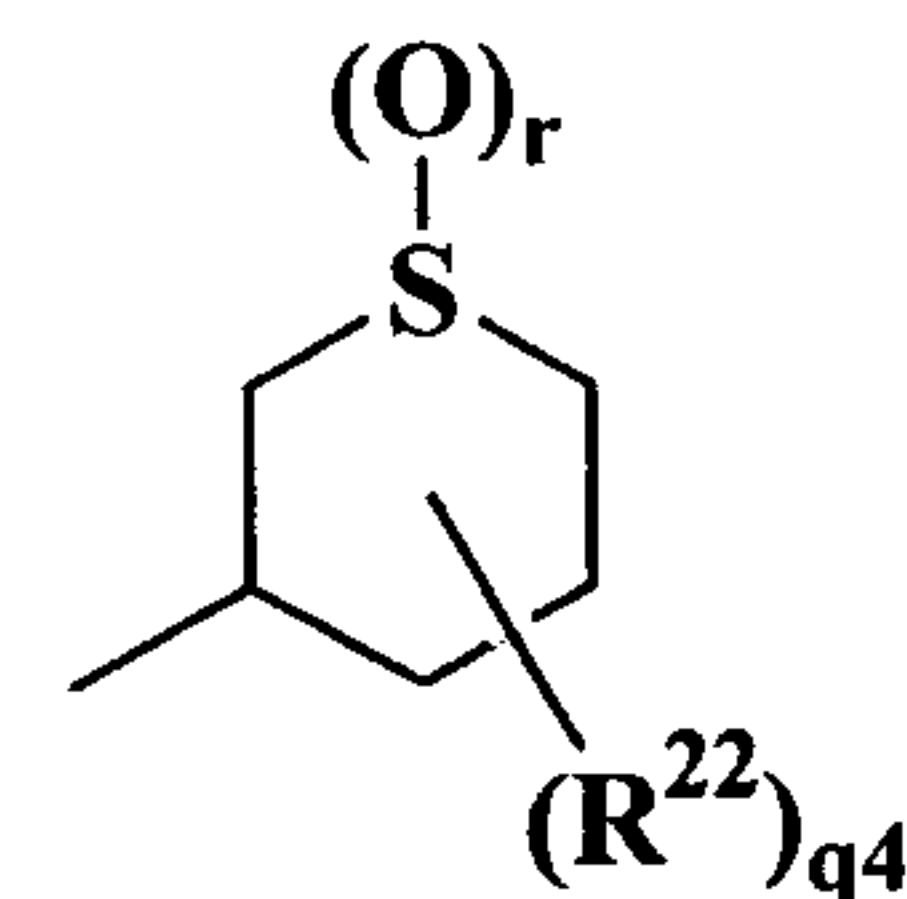
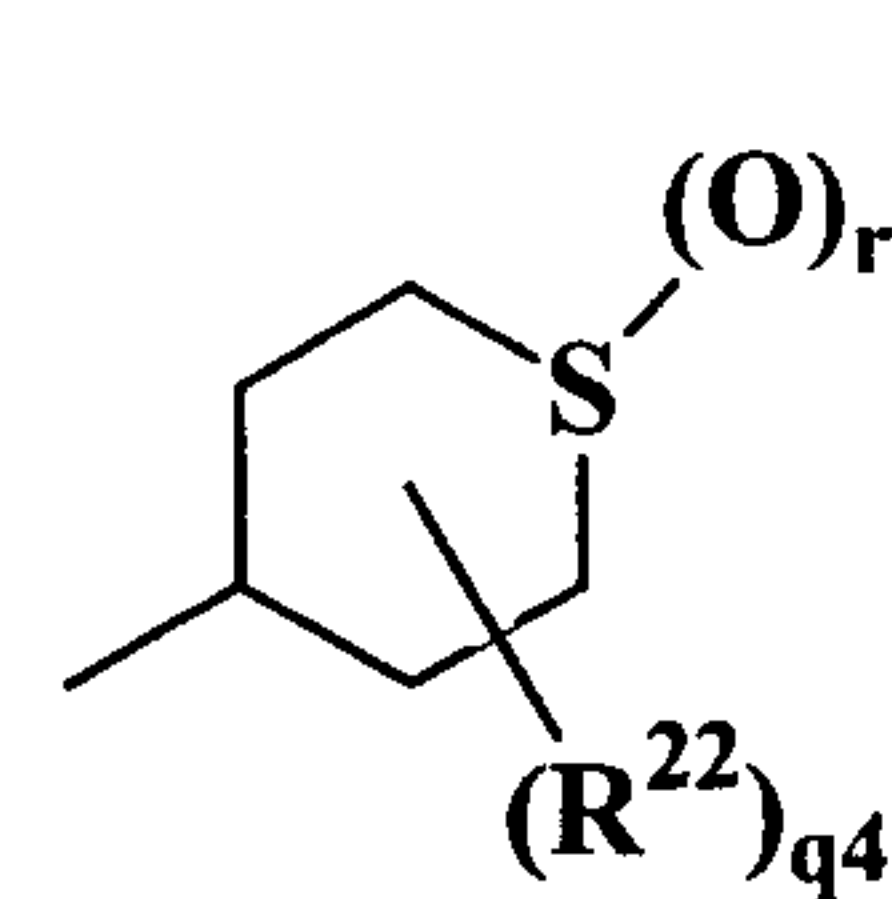
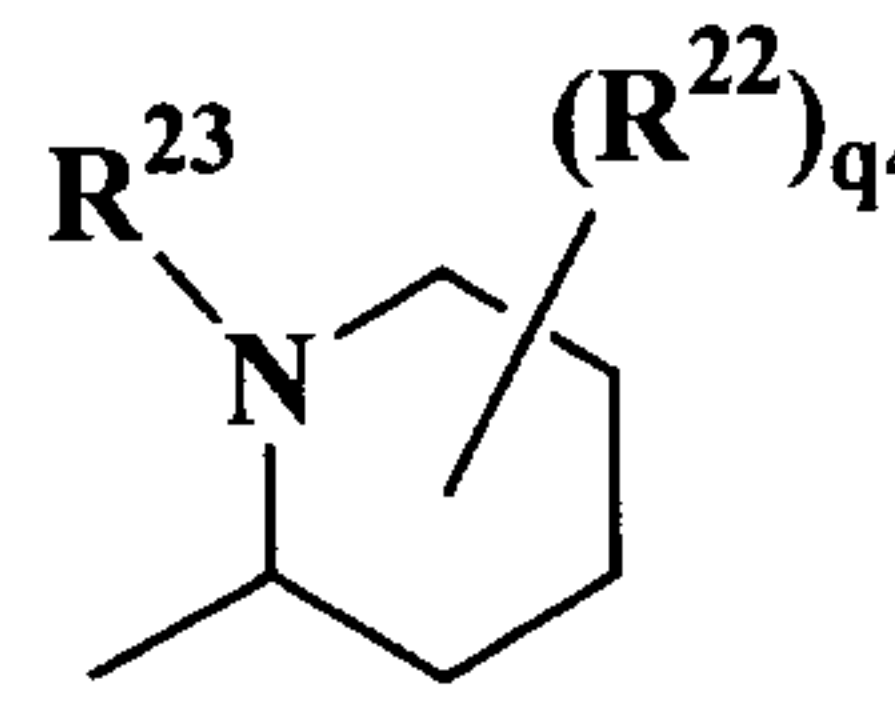
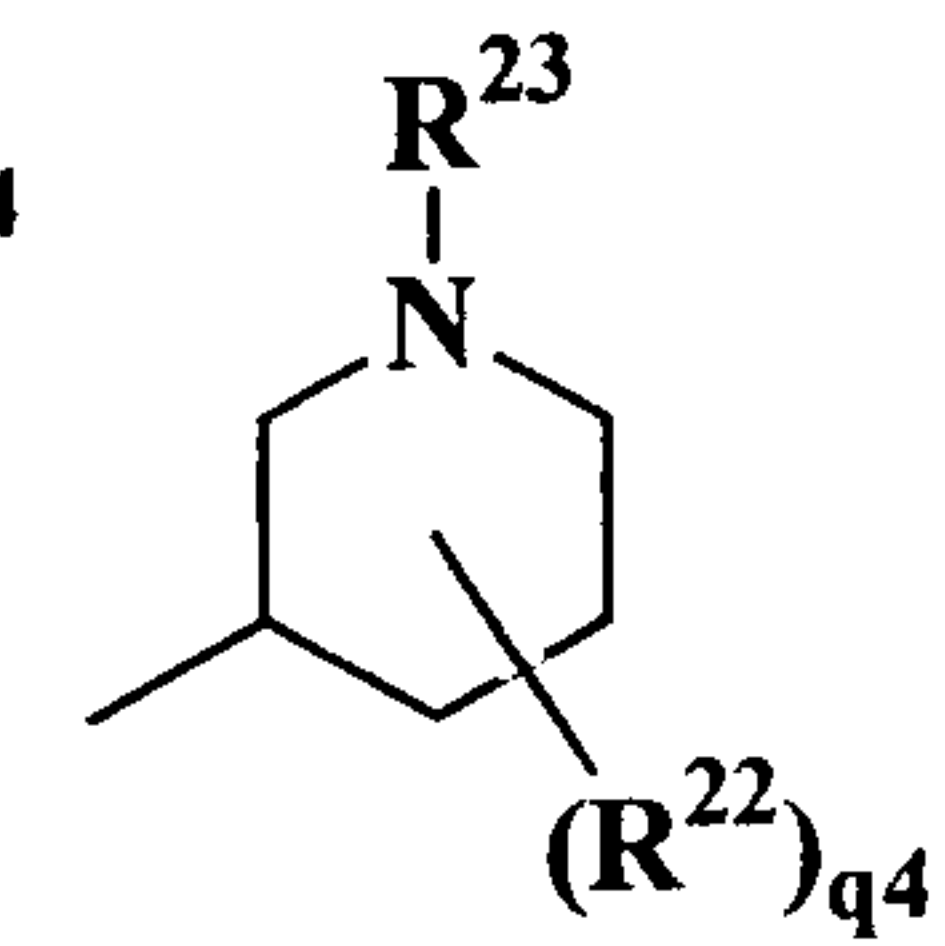
**D-31****D-32****D-33****D-34****D-35****D-36****D-37****D-38****D-39****D-40****D-41****D-42****D-43****D-44****D-45****D-46**

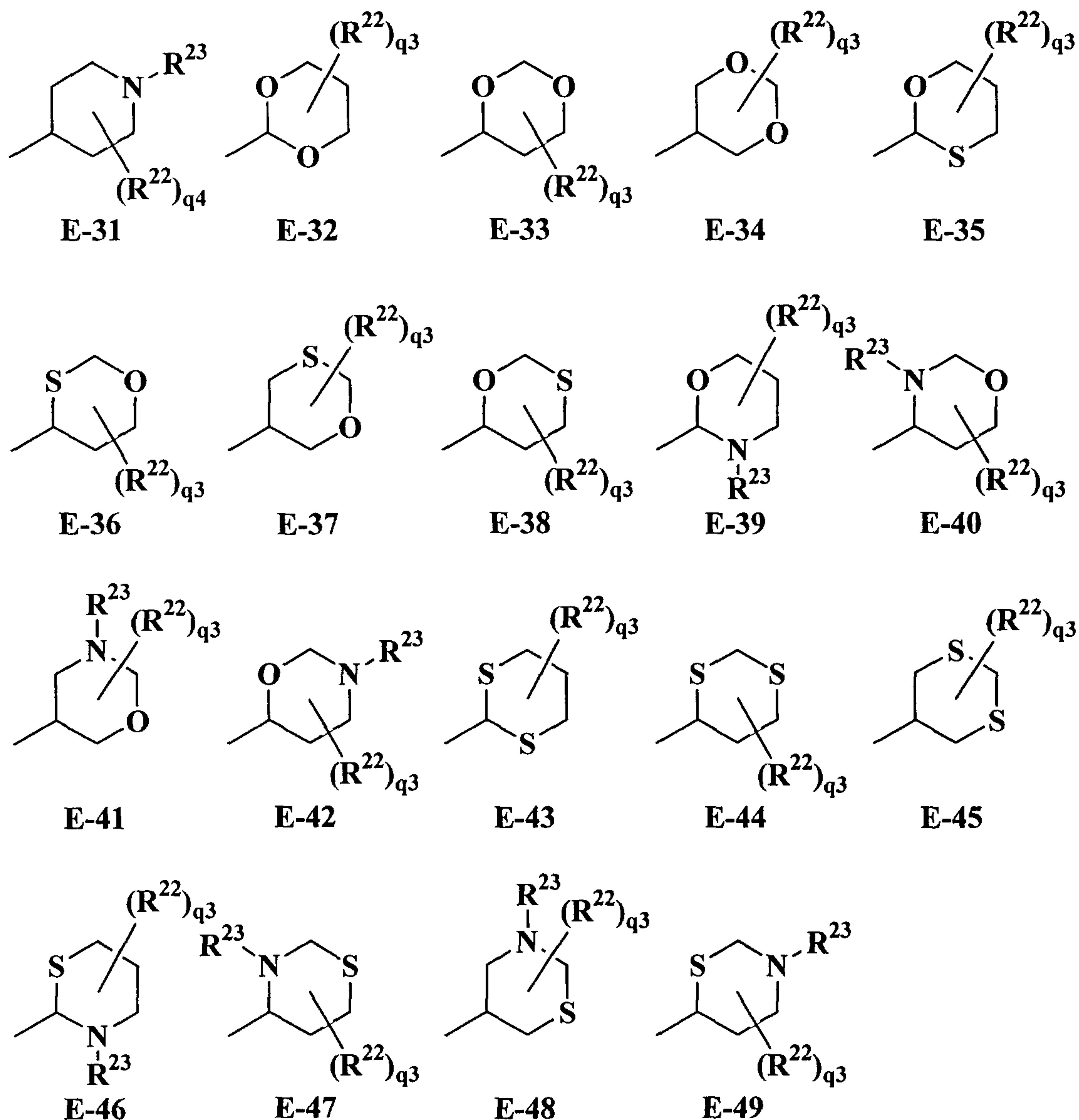
**D-47****D-48****D-49****D-50****D-51****D-52****D-53****D-54****D-55****D-56****D-57****D-58****D-59****D-60**

Z is halogen atom, cyano, nitro, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄haloalkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄haloalkylthio C₁-C₄alkyl, C₁-C₄alkylsulfinyl C₁-C₄alkyl, C₁-C₄haloalkylsulfinyl C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, C₁-C₄haloalkylsulfonyl C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, -OH, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylsulfonyloxy, C₁-C₆haloalkylsulfonyloxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, -NH₂, C₁-C₆alkylamino, di(C₁-C₆alkyl)amino, C₁-C₆alkoxycarbonyl, C₁-C₆haloalkoxycarbonyl, -C(O)NH₂, C₁-C₆alkylaminocarbonyl, di(C₁-C₆alkyl)aminocarbonyl, -C(S)NH₂, -S(O)₂NH₂, C₁-C₆alkylaminosulfonyl, di(C₁-C₆alkyl)aminosulfonyl, phenyl or phenyl arbitrarily substituted with halogen atom, when p1, p2, p3 or p4 is an integer of 2 or more, each Z may be identical with or different from each other,

further, when two Zs are adjacent, the adjacent two Zs may form 5-membered or 6-membered ring together with carbon atoms to which the two Zs are bonded by forming -CH₂CH₂CH₂-, -CH₂CH₂O-, -CH₂OCH₂-, -OCH₂O-, -CH₂CH₂S-, -CH₂SCH₂-, -CH₂CH₂CH₂CH₂-, -CH₂CH₂CH₂O-, -CH₂CH₂OCH₂-, -CH₂OCH₂O-, -OCH₂CH₂O-, -CH₂CH₂CH₂S-, -OCH₂CH₂S- or -CH=CH-CH=CH-, in this case, hydrogen atoms bonded to each carbon atom forming the ring may be arbitrarily substituted with halogen atom, C₁-C₄alkyl or C₁-C₄haloalkyl,

E-1 to E-49 are saturated heterocyclic rings of the following formulae, respectively

**E-1****E-2****E-3****E-4****E-5****E-6****E-7****E-8****E-9****E-10****E-11****E-12****E-13****E-14****E-15****E-16****E-17****E-18****E-19****E-20****E-21****E-22****E-23****E-24****E-25****E-26****E-27****E-28****E-29****E-30**



R^4 is halogen atom, cyano, C_3 - C_8 cycloalkyl, C_3 - C_8 halocycloalkyl, $-OH$, $-OR^5$, $-SH$, $-S(O)_rR^5$, $-N(R^{10})R^9$, $-N(R^{10})CHO$, $-N(R^{10})C(O)R^9$, $-N(R^{10})C(O)OR^9$, $-N(R^{10})C(O)SR^9$, $-N(R^{10})C(S)OR^9$, $-N(R^{10})C(S)SR^9$, $-N(R^{10})S(O)_2R^9$, $-C(O)OR^9$, $-C(O)N(R^{10})R^9$, $-Si(R^{13})(R^{14})R^{12}$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-60 or E-1 to E-49, R^5 is C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{24} , C_3 - C_8 cycloalkyl, C_3 - C_8 cycloalkyl arbitrarily substituted with R^{24} , C_2 - C_6 alkenyl, C_2 - C_6 alkenyl arbitrarily substituted with R^{24} , C_3 - C_8 cycloalkenyl, C_3 - C_8 halocycloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 alkynyl arbitrarily substituted with R^{24} , phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-4, D-6 to D-13, D-15 to D-23, D-25 to D-35, D-39, D-40, D-42, D-45 to D-60, E-3 to E-9, E-23 to E-31, E-34 or E-45,

R^6 is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, phenylthio C_1 - C_4 alkyl, phenylthio C_1 - C_4 alkyl substituted with

(Z)_{p1}, cyano C₁-C₆alkyl, C₁-C₆alkoxycarbonyl C₁-C₄alkyl, C₁-C₆alkylaminocarbonyl C₁-C₄alkyl, di(C₁-C₆alkyl)aminocarbonyl C₁-C₄alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₁-C₄alkyl substituted with any one of D-1 to D-60, C₁-C₄alkyl substituted with any one of E-1 to E-49, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, -OH, C₁-C₆alkylcarbonyloxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, phenylthio, phenylthio substituted with (Z)_{p1}, -SN(R¹⁸)R¹⁷, -S(O)₂R⁹, -S(O)₂N(R¹⁰)R⁹, -CHO, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -C(O)C(O)R⁹, -C(O)C(O)OR⁹, -P(O)(OR²¹)₂ or -P(S)(OR²¹)₂,

R⁷ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₈cycloalkyl C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₃-C₈cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, -CHO, C₁-C₆alkylcarbonyl, C₁-C₆haloalkylcarbonyl or C₁-C₆alkoxycarbonyl, or R⁷ together with R⁶ may form 3- to 7-membered ring with the bonding nitrogen atom by forming C₂-C₆alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom, C₁-C₆alkyl or C₁-C₆haloalkyl,

R⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆alkenyl, phenyl or phenyl substituted with (Z)_{p1}, R⁹ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆haloalkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, C₁-C₆haloalkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₁-C₄alkyl substituted with any one of D-1 to D-60, C₁-C₄alkyl substituted with any one of E-1 to E-49, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49,

R¹⁰ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆alkenyl or C₃-C₆alkynyl, R¹⁰ together with R⁹ may form 3- to 7-membered ring with the atom bonding them by forming C₂-C₆alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom, C₁-C₆alkyl, C₁-C₆alkoxy, formyl, C₁-C₆alkylcarbonyl or C₁-C₆alkoxycarbonyl,

R¹¹ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, phenyl or phenyl that may be substituted with (Z)_{p1}, R¹¹ together with

R^9 may form 5- to 7-membered ring with the atom bonding them by forming C_2 - C_4 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom or C_1 - C_6 alkyl,

R^{12} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, phenyl or phenyl substituted with $(Z)_{p1}$,

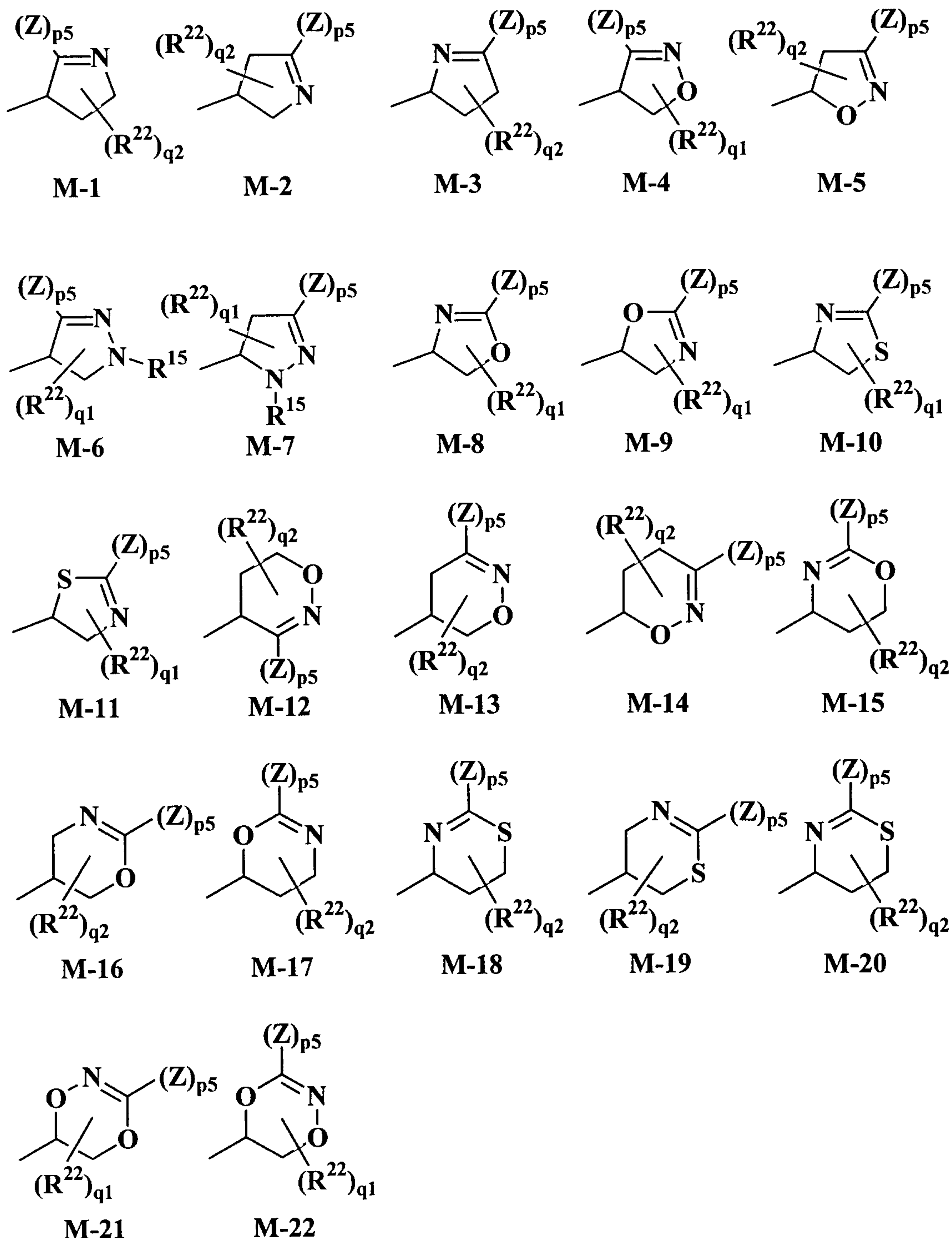
R^{13} and R^{14} independently of each other are C_1 - C_6 alkyl or C_1 - C_6 haloalkyl,

R^{15} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 alkoxycarbonyl C_1 - C_4 alkyl, C_1 - C_6 haloalkoxycarbonyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 haloalkynyl, C_1 - C_6 alkoxy, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 haloalkoxycarbonyl, phenyl or phenyl substituted with $(Z)_{p1}$,

further, in case where Z is present in an adjacent position of R^{15} , the adjacent R^{15} and Z may form 6-membered ring together with the atom bonding them by forming $-CH_2CH_2CH_2CH_2-$, $-CH=CH-CH=CH-$, $-N=CH-CH=CH-$, $-CH=N-CH=CH-$, $-CH=CH-N=CH-$ or $-CH=CH-CH=N-$, in this case, hydrogen atoms bonded to each carbon atom forming the ring may be arbitrarily substituted with halogen atom, C_1 - C_4 alkyl or C_1 - C_4 haloalkyl,

R^{16} is halogen atom, cyano, nitro, C_3 - C_8 cycloalkyl, C_3 - C_8 halocycloalkyl, $-OR^{25}$, $-N(R^{26})R^{25}$, $-SH$, $-S(O)_rR^{27}$, $-SO_2NHR^{29}$, $-SO_2N(R^{29})R^{28}$, $-CHO$, $-C(O)R^{28}$, $-C(O)OH$, $-C(O)OR^{28}$, $-C(O)SR^{28}$, $-C(O)NHR^{29}$, $-C(O)N(R^{29})R^{28}$, $-C(S)NHR^{29}$, $-C(S)N(R^{29})R^{28}$, $-C(O)C(O)OR^{28}$, $-C(R^{31})=NOH$, $-C(R^{31})=NOR^{30}$, $-C(=NR^{31})OR^{30}$, $-C(=NR^{31})SR^{30}$, $-C(=NR^{31})N(R^{29})R^{30}$, $-C(=NOR^{31})NHR^{29}$, $-C(=NOR^{31})N(R^{29})R^{30}$, $-Si(R^{13})(R^{14})R^{12}$, $-P(O)(OR^{21})_2$, $-P(S)(OR^{21})_2$, $-P(phenyl)_2$, $-P(O)(phenyl)_2$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-60, E-1 to E-49 or M-1 to M-22,

M-1 to M-22 are partially saturated heterocyclic rings of the following formulae, respectively



R^{17} is C_1 - C_{12} alkyl, C_1 - C_{12} haloalkyl, C_1 - C_{12} alkoxy C_1 - C_{12} alkyl, cyano C_1 - C_{12} alkyl, C_1 - C_{12} alkoxycarbonyl C_1 - C_{12} alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with (Z)_{p1}, C_3 - C_{12} alkenyl, C_3 - C_{12} haloalkenyl, C_3 - C_{12} alkynyl, C_3 - C_{12} haloalkynyl, C_1 - C_{12} alkylcarbonyl, C_1 - C_{12} alkoxycarbonyl, $-C(O)ON=C(CH_3)SCH_3$, $-C(O)ON=C(SCH_3)C(O)N(CH_3)_2$, phenyl or phenyl substituted with (Z)_{p1},
 R^{18} is C_1 - C_{12} alkyl, C_1 - C_{12} haloalkyl, C_1 - C_{12} alkoxy C_1 - C_{12} alkyl, cyano C_1 - C_{12} alkyl,

C₁-C₁₂alkoxycarbonyl C₁-C₁₂alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₁₂alkenyl, C₃-C₁₂haloalkenyl, C₃-C₁₂alkynyl, C₃-C₁₂haloalkynyl, phenyl or phenyl substituted with (Z)_{p1}, or R¹⁸ together with R¹⁷ may form 5- to 8-membered ring with the nitrogen atom bonding them by forming C₄-C₇alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom, and may be arbitrarily substituted with C₁-C₄alkyl or C₁-C₄alkoxy,

R¹⁹ is hydrogen atom, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R¹⁶, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, -CHO, -C(O)R²⁸, -C(O)OR²⁸, -C(O)SR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, -S(O)₂R²⁸, -S(O)₂NHR²⁹, -S(O)₂N(R²⁹)R²⁸, -P(O)(OR²¹)₂, -P(S)(OR²¹)₂, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-13, D-15 to D-25, D-30 to D-37, D-39, D-40, D-42, D-45 to D-60, E-5, E-7, E-9, E-24, E-25, E-27, E-28, E-30 or E-31,

R^{19a} is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, C₁-C₄alkoxycarbonyl C₁-C₄alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆cycloalkyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49,

R^{19b} is hydrogen atom or C₁-C₆alkyl, or R^{19a} together with R^{19b} may form 4- to 6-membered ring with the carbon atom bonding them by forming C₃-C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with C₁-C₆alkyl, formyl, C₁-C₆alkylcarbonyl or C₁-C₆alkoxycarbonyl,

R²⁰ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄haloalkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄haloalkylthio C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, C₁-C₄haloalkylsulfonyl C₁-C₄alkyl, cyano C₁-C₆alkyl, C₁-C₄alkoxycarbonyl C₁-C₄alkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, -CHO, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹, -C(S)SR⁹, C₁-C₆alkylsulfonyl or C₁-C₆haloalkylsulfonyl,

R²¹ is C₁-C₆alkyl or C₁-C₆haloalkyl,

R²² is halogen atom, cyano, C₁-C₆alkyl, C₁-C₆haloalkyl, hydroxy C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkoxycarbonyl C₁-C₄alkyl, C₁-C₆alkoxy, C₁-C₆alkylthio, C₁-C₆alkylamino, di(C₁-C₄alkyl)amino, C₁-C₆alkoxycarbonyl, phenyl or phenyl substituted with (Z)_{p1}, when q₁, q₂, q₃ or q₄ is an integer of 2 or more, each R²² may be identical with or different from each other, further in case where two R²²s are present on the same carbon atom, the two R²²s together may form oxo, thioxo, imino,

C₁-C₆alkylimino, C₁-C₆alkoxyimino or C₁-C₆alkylidene,

R²³ is hydrogen atom, C₁-C₆alkyl, C₁-C₆alkyl substituted with R³², C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, -OH, benzyloxy, -CHO, -C(O)R³³, -C(O)OR³³, -C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, -C(S)NHR³⁴, -C(S)N(R³⁴)R³³, -S(O)₂R³³, -P(O)(OR²¹)₂, -P(S)(OR²¹)₂, phenyl, phenyl substituted with (Z)_{p1} or D-5, R²⁴ is halogen atom, cyano, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, C₁-C₆alkylamino, di(C₁-C₆alkyl)amino, -CHO, C₁-C₆alkylcarbonyl, C₁-C₆haloalkylcarbonyl, C₁-C₆alkoxycarbonyl, C₁-C₆haloalkoxycarbonyl, -CH=NOR¹¹, -C(R⁹)=NOR¹¹, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49, R²⁵ is hydrogen atom, C₁-C₈alkyl, C₁-C₈alkyl arbitrarily substituted with R³², C₃-C₈cycloalkyl, C₃-C₈cycloalkyl arbitrarily substituted with R³², C₃-C₈alkenyl, C₃-C₈alkenyl arbitrarily substituted with R³², C₃-C₈alkynyl, C₃-C₈alkynyl arbitrarily substituted with R³², -CHO, -C(O)R³³, -C(O)OR³³, -C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, -C(O)C(O)R³³, -C(O)C(O)OR³³, -C(S)R³³, -C(S)OR³³, -C(S)SR³³, -C(S)NHR³⁴, -C(S)N(R³⁴)R³³, -S(O)₂R³³, -S(O)₂N(R³⁴)R³³, -Si(R¹³)(R¹⁴)R¹², -P(O)(OR²¹)₂, -P(S)(OR²¹)₂, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-6 to D-13, D-15 to D-23, D-25 to D-37, D-39, D-40, D-42, D-45 to D-60, E-3 to E-9, E-23 to E-31, E-34 or E-45,

R²⁶ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆alkynyl or C₁-C₆alkoxy, or R²⁶ together with R²⁵ may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C₂-C₅alkylene chain, in this case, the alkylene chain may one contain oxygen atom, sulfur atom or nitrogen atom, and may be substituted with halogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxy, phenyl, phenyl substituted with (Z)_{p1}, oxo or thioxo,

R²⁷ is C₁-C₈alkyl, C₁-C₈alkyl arbitrarily substituted with R³², C₃-C₈cycloalkyl, C₃-C₈cycloalkyl arbitrarily substituted with R³², C₃-C₈alkenyl, C₃-C₈alkenyl arbitrarily substituted with R³², C₃-C₈alkynyl, C₃-C₈alkynyl arbitrarily substituted with R³², -SH, C₁-C₆alkylthio, C₁-C₆haloalkylthio, phenylthio, phenylthio substituted with (Z)_{p1}, -CHO, -C(O)R³³, -C(O)OR³³, -C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, -C(O)C(O)R³³, -C(O)C(O)OR³³, -C(S)R³³, -C(S)OR³³, -C(S)SR³³, -C(S)NHR³⁴, -C(S)N(R³⁴)R³³, -P(O)(OR²¹)₂, -P(S)(OR²¹)₂, phenyl, phenyl substituted with (Z)_{p1}, D-18, D-21, D-25, D-30 to D-35, D-47, D-50, D-51, E-3 to E-9, E-23 to E-31, E-34 or E-45,

R²⁸ is C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R³², C₃-C₈cycloalkyl, C₃-

C₈cycloalkyl arbitrarily substituted with R³², C₂-C₆alkenyl C₃-C₈cycloalkyl, C₂-C₆haloalkenyl C₃-C₈cycloalkyl, C₂-C₈alkenyl, C₂-C₈alkenyl arbitrarily substituted with R³², C₂-C₈alkynyl, C₂-C₈alkynyl arbitrarily substituted with R³², phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49,

R²⁹ is hydrogen atom, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R³², C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, phenyl or phenyl substituted with (Z)_{p1}, or R²⁹ together with R²⁸ may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C₂-C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom, C₁-C₆alkyl, C₁-C₆alkoxy, formyl, C₁-C₆alkylcarbonyl, C₁-C₆alkoxycarbonyl, phenyl or phenyl substituted with (Z)_{p1}, R³⁰ is C₁-C₈alkyl, C₁-C₈alkyl arbitrarily substituted with R³², C₃-C₈cycloalkyl, C₃-C₈alkenyl, C₃-C₈alkenyl arbitrarily substituted with R³², C₃-C₈alkynyl, C₃-C₈alkynyl arbitrarily substituted with R³²,

R³¹ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆haloalkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, C₁-C₆haloalkylthio C₁-C₄alkyl, C₁-C₆alkylsulfonyl C₁-C₄alkyl, C₁-C₆haloalkylsulfonyl C₁-C₄alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆cycloalkyl, phenyl or phenyl substituted with (Z)_{p1}, or R³¹ together with R³⁰ may form 5- to 7-membered ring with the atom bonding them by forming C₂-C₄alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom or C₁-C₆alkyl,

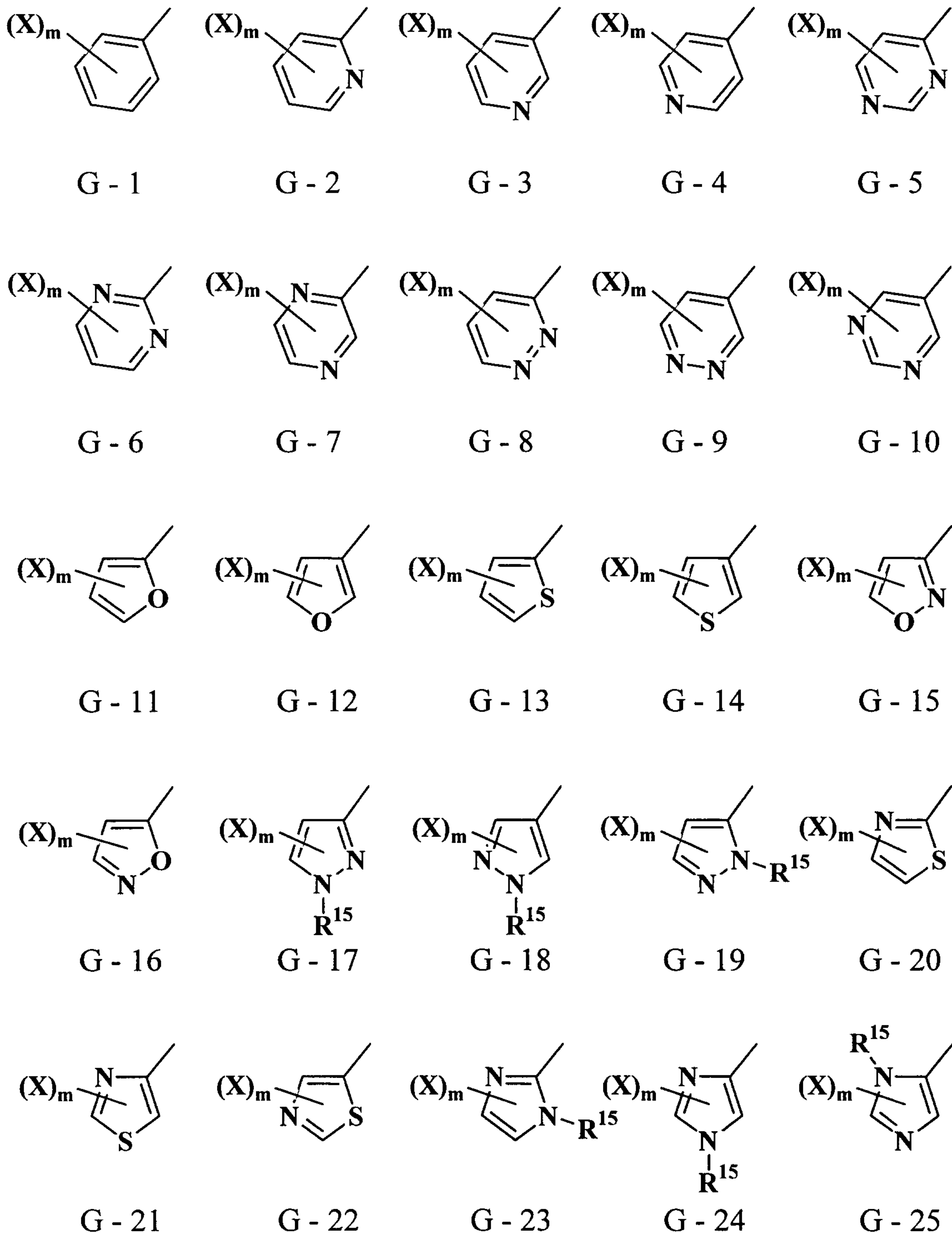
R³² is halogen atom, cyano, nitro, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, -OH, -OR³³, -OC(O)R³³, -OC(O)OR³³, -OC(O)NHR³³, -OC(O)N(R³⁴)R³³, -OC(S)NHR³³, -OC(S)N(R³⁴)R³³, -SH, -S(O)_rR³³, -SC(O)R³³, -SC(O)OR³³, -SC(O)NHR³³, -SC(O)N(R³⁴)R³³, -SC(S)NHR³³, -SC(S)N(R³⁴)R³³, -NHR³⁴, -N(R³⁴)R³³, -N(R³⁴)CHO, -N(R³⁴)C(O)R³³, -N(R³⁴)C(O)OR³³, -N(R³⁴)C(O)NHR³³, -N(R³⁴)C(O)N(R³⁴)R³³, -N(R³⁴)C(S)NHR³³, -N(R³⁴)C(S)N(R³⁴)R³³, -CHO, -C(O)R³³, -C(O)OR³³, -C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, -C(O)C(O)OR³³, -CH=NOR¹¹, -C(R⁹)=NOR¹¹, -Si(R¹³)(R¹⁴)R¹², -P(O)(OR²¹)₂, -P(S)(OR²¹)₂, -P(phenyl)₂, -P(O)(phenyl)₂, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49,

R³³ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₃-C₆halocycloalkyl C₁-C₄alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄haloalkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄haloalkylthio C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, C₁-C₄haloalkylsulfonyl C₁-C₄alkyl, cyano C₁-C₆alkyl, C₁-C₆alkylcarbonyl C₁-C₄alkyl, C₁-

C_6 haloalkylcarbonyl C_1 - C_4 alkyl, C_1 - C_6 alkoxycarbonyl C_1 - C_4 alkyl, di(C_1 - C_6 alkyl)aminocarbonyl C_1 - C_4 alkyl, tri(C_1 - C_4 alkyl)silyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with (Z)_{p1}, C_1 - C_4 alkyl substituted with any one of D-1 to D-60, C_1 - C_4 alkyl substituted with any one of E-1 to E-49, C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_2 - C_6 alkenyl C_3 - C_8 cycloalkyl, C_2 - C_6 haloalkenyl C_3 - C_8 cycloalkyl, C_2 - C_8 alkenyl, C_2 - C_8 haloalkenyl, C_3 - C_8 cycloalkenyl, C_3 - C_8 halocycloalkenyl, C_2 - C_8 alkynyl, C_2 - C_8 haloalkynyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49, R^{34} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_8 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, C_1 - C_6 alkylcarbonyl, C_1 - C_6 haloalkylcarbonyl, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 haloalkoxycarbonyl, phenoxycarbonyl, phenoxycarbonyl substituted with (Z)_{p1}, phenylcarbonyl, phenylcarbonyl substituted with (Z)_{p1}, C_1 - C_6 alkylsulfonyl, C_1 - C_6 haloalkylsulfonyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-6 to D-13, D-15 to D-23, D-25 to D-37, D-39, D-40, D-42, D-45 to D-60, E-3 to E-9, E-23 to E-31, E-34 or E-45, or R^{34} together with R^{33} may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C_2 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, formyl, C_1 - C_6 alkylcarbonyl, C_1 - C_6 alkoxycarbonyl, phenyl or phenyl substituted with (Z)_{p1}, m is an integer of 0 to 5, n is an integer of 0 to 4, p1 is an integer of 1 to 5, p2 is an integer of 0 to 4, p3 is an integer of 0 to 3, p4 is an integer of 0 to 2, p5 is an integer of 0 or 1, q1 is an integer of 0 to 3, q2 is an integer of 0 to 5, q3 is an integer of 0 to 7, q4 is an integer of 0 to 9, r is an integer of 0 to 2, and t is an integer of 0 or 1.

(2) The isoxazoline-substituted benzamide compound or the salt thereof as set forth in (1), wherein

G is an aromatic 6-membered ring shown in any one of G-1 to G-10 or an aromatic 5-membered ring shown in any one of G-11 to G-25



X is halogen atom, cyano, nitro, $-\text{SF}_5$, C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^4 , C_3 - C_8 cycloalkyl, C_3 - C_8 cycloalkyl arbitrarily substituted with R^4 , C_2 - C_6 alkenyl, C_2 - C_6 alkenyl arbitrarily substituted with R^4 , C_2 - C_6 alkynyl, C_2 - C_6 alkynyl arbitrarily substituted with R^4 , $-\text{OH}$, $-\text{OR}^5$, $-\text{OSO}_2\text{R}^5$, $-\text{S}(\text{O})\text{R}^5$, $-\text{N}(\text{R}^7)\text{R}^6$, $-\text{C}(\text{O})\text{OR}^9$, $-\text{C}(\text{O})\text{SR}^9$, $-\text{C}(\text{O})\text{NHR}^{10}$, $-\text{C}(\text{O})\text{N}(\text{R}^{10})\text{R}^9$, $-\text{C}(\text{S})\text{OR}^9$, $-\text{C}(\text{S})\text{SR}^9$, $-\text{C}(\text{S})\text{NHR}^{10}$, $-\text{C}(\text{S})\text{N}(\text{R}^{10})\text{R}^9$,

-CH=NOR¹¹, -C(R⁹)=NOR¹¹, -S(O)₂NHR¹⁰, -S(O)₂N(R¹⁰)R⁹,
 -Si(R¹³)(R¹⁴)R¹², phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49,
 when m is an integer of 2 or more, each X may be identical with or different from
 each other,

further, when two Xs are adjacent, the adjacent two Xs may form 5-membered or 6-membered ring together with carbon atoms to which the two Xs are bonded by forming -CH₂CH₂CH₂-, -CH₂CH₂O-, -CH₂OCH₂-, -OCH₂O-, -CH₂CH₂S-, -CH₂SCH₂-, -CH₂CH₂CH₂CH₂-, -CH₂CH₂CH₂O-, -CH₂CH₂OCH₂-, -CH₂OCH₂O-, -OCH₂CH₂O-, -OCH₂CH₂S- or -CH=CHCH=CH-, in this case, hydrogen atoms bonded to each carbon atom forming the ring may be arbitrarily substituted with halogen atom, C₁-C₄alkyl or C₁-C₄haloalkyl,

Y is halogen atom, cyano, nitro, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, -OR⁵, -OSO₂R⁵, -S(O)₂R⁵, -NHR⁷, -N(R⁷)R⁶, -N=CHOR⁸, -N=C(R⁹)OR⁸, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-24, D-30 to D-38, D-43 to D-52 or D-53, when n is an integer of 2 or more, each Y may be identical with or different from each other,

further, when two Ys are adjacent, the adjacent two Ys may form 5-membered or 6-membered ring together with carbon atoms to which the two Ys are bonded by forming -CH₂CH₂CH₂-, -CH₂CH₂O-, -CH₂OCH₂-, -OCH₂O-, -CH₂CH₂CH₂CH₂-, -CH₂CH₂CH₂O-, -CH₂CH₂OCH₂-, -CH₂OCH₂O-, -OCH₂CH₂O-, -OCH=N- or -SCH=N-, in this case, hydrogen atoms bonded to each carbon atom forming the ring may be arbitrarily substituted with halogen atom, C₁-C₄alkyl or C₁-C₄haloalkyl,

R¹ is C₁-C₈alkyl, C₁-C₈alkyl arbitrarily substituted with R¹⁶, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₃-C₈alkenyl, C₃-C₈haloalkenyl, phenyl C₃-C₆alkenyl, phenyl C₃-C₆alkenyl substituted with (Z)_{p1}, C₃-C₈alkynyl, C₃-C₈haloalkynyl, phenyl C₃-C₆alkynyl, phenyl C₃-C₈alkynyl substituted with (Z)_{p1}, C₁-C₆alkoxy, -N(R²⁰)R¹⁹, -N=CHR^{19b}, -N=C(R^{19b})R^{19a}, -C(O)N(R¹⁰)R⁹, -C(S)N(R¹⁰)R⁹, -C(=NR¹¹)OR⁹, -C(=NR¹¹)SR⁹, -C(=NR¹¹)N(R¹⁰)R⁹, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-6 to D-13, D-15 to D-23, D-26, D-27, D-29 to D-37, D-39, D-40, D-42, D-45 to D-58, E-4 to E-9, E-23 to E-28, E-30, E-31, E-34 or E-45,

R² is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄haloalkoxy C₁-C₄alkyl, benzyloxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄haloalkylthio C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, C₁-C₄haloalkylsulfonyl C₁-C₄alkyl, phenylthio C₁-C₄alkyl, phenylthio C₁-C₄alkyl substituted with (Z)_{p1}, cyano C₁-C₆alkyl, nitro C₁-C₆alkyl, C₁-C₄alkylcarbonyl C₁-

C₄alkyl, C₁-C₄alkoxycarbonyl C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, -SR⁹, -S(O)₂R⁹, -SN(R¹⁸)R¹⁷, -OH, -OR¹⁹, -NHR²⁰, -N(R²⁰)R¹⁹, -N=CHR^{19b}, -N=C(R^{19b})R^{19a}, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹, -C(S)SR⁹, phenyl, phenyl substituted with (Z)_{p1},

or R¹ and R² together form =C(R^{2a})R^{1a}, and further R¹ and R² together may form 3- to 7-membered ring together with the nitrogen atom bonding them by forming C₂ to C₆ alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with C₁-C₆alkyl, formyl, C₁-C₆alkylcarbonyl or C₁-C₆alkoxycarbonyl,

R^{1a} and R^{2a} together may form 5- or 6-membered ring together with the carbon atom bonding them by forming C₄ or C₅ alkylene chain or C₄ or C₅ alkenylene chain, in this case, the alkylene chain and the alkenylene chain may contain one to three oxygen atoms, sulfur atoms or nitrogen atoms, and may be arbitrarily substituted with halogen atom or C₁-C₆alkyl,

R³ is cyano, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, -OR⁵, -S(O)_rR⁵, -N(R¹⁰)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -CH=NOR¹¹, -C(R⁹)=NOR¹¹, -Si(R¹³)(R¹⁴)R¹², phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D8- to D-13, D-15 to D-23, D-25 to D-37, D-39, D-40, D-42, D-45 to D-60 or E-4 to E-7, E-23 to E27 or E-28,

R⁴ is halogen atom, cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, -OH, -OR⁵, -S(O)_rR⁵, -N(R¹⁰)R⁹, -N(R¹⁰)C(O)R⁹, -N(R¹⁰)C(O)OR⁹, -N(R¹⁰)C(O)SR⁹, -N(R¹⁰)C(S)OR⁹, -N(R¹⁰)C(S)SR⁹, -N(R¹⁰)S(O)₂R⁹, -Si(R¹³)(R¹⁴)R¹², phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-5, D-8 to D-38, D-41, D-43, D-44, D-47 to D-52 or D-53,

R⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₃haloalkoxy C₁-C₃haloalkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-7, D-9, D-15 to D-23, D-30 to D-35, D-47 to D-53, E-3 to E-9, E-23 to E-27 or E-28,

R⁶ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, -S(O)₂R⁹, -CHO, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹ or -C(S)SR⁹,

R⁷ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R⁸ is C₁-C₆alkyl,

R^9 is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, C_1 - C_6 alkoxy C_1 - C_4 alkyl, C_1 - C_6 alkylthio C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_3 - C_8 cycloalkyl, C_3 - C_8 halocycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 haloalkynyl, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-4, D-6 to D-35, D-38, D-47 to D-54 or D-55,

R^{10} is hydrogen atom or C_1 - C_6 alkyl, or R^{10} together with R^9 may form 5- to 7-membered ring with the nitrogen atom bonding them by forming C_4 - C_6 alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom,

R^{11} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, phenyl or phenyl substituted with $(Z)_{p1}$, or R^{11} together with R^9 may form 5- or 6-membered ring with the atom bonding them by forming C_2 - C_3 alkylene chain, in this case, the alkylene chain may be arbitrarily substituted with C_1 - C_6 alkyl,

R^{12} is C_1 - C_6 alkyl, phenyl or phenyl substituted with $(Z)_{p1}$,

R^{13} and R^{14} independently of each other are C_1 - C_6 alkyl,

R^{15} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, phenyl or phenyl substituted with $(Z)_{p1}$,

R^{16} is halogen atom, cyano, C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, $-OR^{25}$, $-N(R^{26})R^{25}$, $-SH$, $-S(O)_rR^{27}$, $-SO_2NHR^{29}$, $-SO_2N(R^{29})R^{28}$, $-CHO$, $-C(O)R^{28}$, $-C(O)OR^{28}$, $-C(O)NHR^{29}$, $-C(O)N(R^{29})R^{28}$, $-C(O)N(R^{29})OR^{28}$, $-C(S)NHR^{29}$, $-C(S)N(R^{29})R^{28}$, $-C(R^{31})=NOH$, $-C(R^{31})=NOR^{30}$, $-C(=NR^{31})OR^{30}$, $-C(=NR^{31})SR^{30}$, $-C(=NR^{31})N(R^{29})R^{30}$, $-C(=NOR^{31})NHR^{29}$, $-C(=NOR^{31})N(R^{29})R^{30}$, $-Si(R^{13})(R^{14})R^{12}$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-60, E-1 to E-49 or M-1 to M-22,

R^{17} is C_1 - C_6 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_6 alkoxycarbonyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$ or C_1 - C_6 alkoxycarbonyl,

R^{18} is C_1 - C_6 alkyl, phenyl C_1 - C_4 alkyl or phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, or R^{18} together with R^{17} may form 5- or 6-membered ring with the nitrogen atom bonding them by forming C_4 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom, and may be arbitrarily substituted with methyl or methoxy,

R^{19} is C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{16} , C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, $-CHO$, $-C(O)R^{28}$, $-C(O)OR^{28}$, $-C(O)NHR^{29}$, $-C(O)N(R^{29})R^{28}$, $-C(S)NHR^{29}$, $-C(S)N(R^{29})R^{28}$, $-S(O)_2R^{28}$, $-S(O)_2NHR^{29}$, $-S(O)_2N(R^{29})R^{28}$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-13, D-15 to D-25, D-30 to D-37, D-39, D-40, D-42, D-45 to D-60, E-5, E-7, E-9, E-24, E-25, E-27, E-28, E-30 or E-31,

R^{19a} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-4, D-8 to D-10, D-15 to D-23, D-47 to D-55, E-4 to E-7, E-23 to E-27 or E-28,

R^{19b} is hydrogen atom or C_1 - C_6 alkyl, or R^{19a} together with R^{19b} may form 5- or 6-membered ring with the carbon atom bonding them by forming C_4 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom,

R^{20} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, C_1 - C_4 alkoxycarbonyl C_1 - C_4 alkyl, C_2 - C_6 alkenyl, C_3 - C_6 alkynyl, -CHO, -C(O) R^9 , -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹, -C(S)SR⁹ or C_1 - C_6 alkylsulfonyl,

R^{22} is halogen atom, cyano, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 alkoxy, C_1 - C_6 alkoxycarbonyl, -C(O)NH₂ or -C(S)NH₂, when q_1 , q_2 , q_3 or q_4 is an integer of 2 or more, each R^{22} may be identical with or different from each other, further in case where two R^{22} s are present on the same carbon atom, the two R^{22} s together may form oxo, thioxo, imino, C_1 - C_6 alkylimino, C_1 - C_6 alkoxyimino or C_1 - C_6 alkylidene,

R^{23} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{32} , C_3 - C_6 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, -OH, benzyloxy, -CHO, -C(O) R^{33} , -C(O)OR³³, -C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R^{34}) R^{33} , -S(O)₂ R^{33} , phenyl, phenyl substituted with $(Z)_{p1}$ or D-5,

R^{25} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, -CHO, -C(O) R^{33} , -C(O)OR³³, -C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R^{34}) R^{33} , -C(S) R^{33} , -C(S)OR³³, -C(S)SR³³, -C(S)NHR³⁴, -C(S)N(R^{34}) R^{33} , -S(O)₂ R^{33} , -S(O)₂N(R^{34}) R^{33} , di(C_1 - C_6 alkyl)phosphoryl, di(C_1 - C_6 alkyl)thiophosphoryl, tri(C_1 - C_4 alkyl)silyl, phenyl or phenyl substituted with $(Z)_{p1}$,

R^{26} is hydrogen atom, C_1 - C_6 alkyl, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl or C_1 - C_6 alkoxy, or R^{26} together with R^{25} may form 4- to 6-membered ring with the nitrogen atom bonding them by forming C_3 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may substituted with C_1 - C_6 alkyl, oxo or thioxo,

R^{27} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, hydroxy C_1 - C_6 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, C_1 - C_4 alkylcarbonyl C_1 - C_4 alkyl, C_1 - C_4 alkoxycarbonyl C_1 - C_4 alkyl, di(C_1 - C_4 alkyl)aminocarbonyl C_1 - C_4 alkyl, tri(C_1 - C_4 alkyl)silyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, C_1 -

C₆alkylcarbonyl, C₁-C₆alkylthio, phenylthio, phenylthio substituted with (Z)_{p1}, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, -C(S)NHR³⁴, -C(S)N(R³⁴)R³³, phenyl, phenyl substituted with (Z)_{p1}, D-21, D-35, D-47 or D-50,

R²⁸ is C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R³², C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49,

R²⁹ is hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆alkenyl or C₃-C₆alkynyl, or R²⁹ together with R²⁸ may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C₂-C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom,

R³⁰ is C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, tri(C₁-C₆alkyl)silyl C₁-C₄alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₈alkenyl, C₃-C₈haloalkenyl, C₃-C₈alkynyl or C₃-C₈haloalkynyl,

R³¹ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl or C₃-C₆cycloalkyl, or R³¹ together with R³⁰ may form 5- or 6-membered ring with the atom bonding them by forming C₂-C₃alkylene chain, in this case, the alkylene chain may be arbitrarily substituted with C₁-C₆alkyl,

R³² is halogen atom, cyano, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, -OR³³, -OC(O)R³³, -OC(O)NHR³³, -OC(O)N(R³⁴)R³³, -S(O)_rR³³, -SC(O)R³³, -SC(O)NHR³³, -SC(O)N(R³⁴)R³³, -N(R³⁴)CHO, -N(R³⁴)C(O)R³³, -N(R³⁴)C(O)OR³³, -C(O)OR³³, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49,

R³³ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄haloalkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄haloalkylthio C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, C₁-C₄haloalkylsulfonyl C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-13, D-15 to D-18, D-21, D-29 to D-37, D-47 to D-55, E-5, E-7, E-9, E-24, E-25, E-27, E-28, E-30, E-31 or E-34,

R³⁴ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl, or R³⁴ together with R³³ may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C₂-C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom.

(3) The isoxazoline-substituted benzamide compound or the salt thereof as set

forth in (2), wherein

G is G-1, G-3, G-4, G-13, G-14, G-17, G-18, G-20, G-21 or G-22,

X is halogen atom, cyano, nitro, $-\text{SF}_5$, $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ alkyl arbitrarily substituted with R^4 , $\text{C}_3\text{-C}_8$ cycloalkyl, $\text{C}_3\text{-C}_8$ halocycloalkyl, $\text{C}_2\text{-C}_6$ alkenyl, $\text{C}_2\text{-C}_6$ haloalkenyl, $\text{C}_2\text{-C}_6$ alkynyl, $\text{C}_2\text{-C}_6$ haloalkynyl, $-\text{OR}^5$, $-\text{OSO}_2\text{R}^5$, $-\text{S}(\text{O})_r\text{R}^5$, $-\text{C}(\text{O})\text{OR}^9$, $-\text{C}(\text{O})\text{SR}^9$, $-\text{C}(\text{S})\text{OR}^9$, $-\text{C}(\text{S})\text{SR}^9$, $-\text{C}(\text{S})\text{NHR}^{10}$, $-\text{C}(\text{S})\text{N}(\text{R}^{10})\text{R}^9$, $-\text{CH}=\text{NOR}^{11}$, $-\text{C}(\text{R}^9)=\text{NOR}^{11}$, $-\text{Si}(\text{R}^{13})(\text{R}^{14})\text{R}^{12}$, E-10, E-12, E-18, E-32, E-35 or E-43, when m is 2 or 3, each X may be identical with or different from each other,

further, when two Xs are adjacent, the adjacent two Xs may form 5-membered or 6-membered ring together with carbon atoms to which the two Xs are bonded by forming $-\text{CF}_2\text{OCF}_2-$, $-\text{OCF}_2\text{O}-$, $-\text{CF}_2\text{OCF}_2\text{O}-$ or $-\text{OCF}_2\text{CF}_2\text{O}-$,

Y is halogen atom, cyano, nitro, $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ alkyl arbitrarily substituted with R^4 , $-\text{OR}^5$, $-\text{OSO}_2\text{R}^5$, $-\text{S}(\text{O})_r\text{R}^5$, $-\text{NHR}^7$, $-\text{N}(\text{R}^7)\text{R}^6$, $-\text{N}=\text{C}(\text{R}^9)\text{OR}^8$, $-\text{C}(\text{O})\text{NH}_2$ or $-\text{C}(\text{S})\text{NH}_2$, when n is 2 or 3, each Y may be identical with or different from each other,

R^1 is $\text{C}_1\text{-C}_8$ alkyl, $\text{C}_1\text{-C}_6$ alkyl arbitrarily substituted with R^{16} , $\text{C}_3\text{-C}_8$ cycloalkyl, $\text{C}_3\text{-C}_8$ halocycloalkyl, $\text{C}_3\text{-C}_8$ alkenyl, $\text{C}_3\text{-C}_8$ haloalkenyl, $\text{C}_3\text{-C}_8$ alkynyl, $\text{C}_3\text{-C}_8$ haloalkynyl, $-\text{N}(\text{R}^{20})\text{R}^{19}$, $-\text{C}(\text{O})\text{N}(\text{R}^{10})\text{R}^9$, $-\text{C}(\text{S})\text{N}(\text{R}^{10})\text{R}^9$, phenyl substituted with $(\text{Z})_{p1}$, D-8 to D-13, D-15 to D-18, D-21 to D-23, D-26, D-27, D-29 to D-37, D-39, D-40, D-42, D-45 to D-58, E-5, E-7, E-8, E-9, E-24, E-25, E-27, E-28, E-30, E-31 or E-34,

R^2 is hydrogen atom, $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ haloalkyl, $\text{C}_1\text{-C}_4$ alkoxy $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_1\text{-C}_4$ alkylthio $\text{C}_1\text{-C}_4$ alkyl, cyano $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_6$ cycloalkyl, $\text{C}_3\text{-C}_6$ alkenyl, $\text{C}_3\text{-C}_6$ alkynyl, $-\text{OH}$, $\text{C}_1\text{-C}_6$ alkoxy, $\text{C}_1\text{-C}_6$ alkylcarbonyloxy, $\text{C}_1\text{-C}_6$ alkoxycarbonyloxy, $\text{C}_1\text{-C}_6$ alkylsulfonyloxy, $\text{C}_1\text{-C}_6$ haloalkylthio, phenylthio, phenylthio substituted with $(\text{Z})_{p1}$, $\text{C}_1\text{-C}_6$ alkylsulfonyl, $-\text{SN}(\text{R}^{18})\text{R}^{17}$, $-\text{NHR}^{20}$, $-\text{N}=\text{CHR}^{19b}$, $-\text{N}=\text{C}(\text{R}^{19b})\text{R}^{19a}$, $-\text{C}(\text{O})\text{R}^9$, $-\text{C}(\text{O})\text{OR}^9$, $-\text{C}(\text{O})\text{SR}^9$, $-\text{C}(\text{S})\text{OR}^9$ or $-\text{C}(\text{S})\text{SR}^9$, or R^2 together with R^1 may form 3- to 7-membered ring with the nitrogen atom bonding them by forming $\text{C}_2\text{-C}_6$ alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom,

R^3 is $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ haloalkyl, $\text{C}_3\text{-C}_6$ cycloalkyl $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_3\text{-C}_6$ halocycloalkyl $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_1\text{-C}_4$ alkoxy $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_1\text{-C}_4$ haloalkoxy $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_1\text{-C}_4$ alkylthio $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_1\text{-C}_4$ alkylsulfinyl $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_1\text{-C}_4$ alkylsulfonyl $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_1\text{-C}_4$ haloalkylthio $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_1\text{-C}_4$ haloalkylsulfinyl $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_1\text{-C}_4$ haloalkylsulfonyl $\text{C}_1\text{-C}_4$ alkyl, cyano $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_4$ alkoxy $\text{C}_1\text{-C}_4$ haloalkyl, $\text{C}_1\text{-C}_4$ haloalkoxy $\text{C}_1\text{-C}_4$ haloalkyl, $\text{C}_1\text{-C}_4$ alkylthio $\text{C}_1\text{-C}_4$ haloalkyl, $\text{C}_1\text{-C}_4$ alkylsulfinyl $\text{C}_1\text{-C}_4$ haloalkyl, $\text{C}_1\text{-C}_4$ alkylsulfonyl $\text{C}_1\text{-C}_4$ haloalkyl, $\text{C}_1\text{-C}_4$ haloalkylthio $\text{C}_1\text{-C}_4$ haloalkyl, $\text{C}_1\text{-C}_4$ haloalkylsulfinyl $\text{C}_1\text{-C}_4$ haloalkyl, $\text{C}_1\text{-C}_4$ haloalkylsulfonyl $\text{C}_1\text{-C}_4$ haloalkyl, cyano $\text{C}_1\text{-C}_6$ haloalkyl, $\text{C}_3\text{-C}_8$ cycloalkyl, $\text{C}_3\text{-C}_8$ halocycloalkyl, $\text{C}_3\text{-C}_8$ alkenyl, $\text{C}_3\text{-C}_8$ haloalkenyl, $\text{C}_3\text{-C}_8$ alkynyl, $\text{C}_3\text{-C}_8$ haloalkynyl, $-\text{OR}^5$, $-\text{OSO}_2\text{R}^5$, $-\text{S}(\text{O})_r\text{R}^5$, $-\text{NHR}^7$, $-\text{N}(\text{R}^7)\text{R}^6$, $-\text{N}=\text{C}(\text{R}^9)\text{OR}^8$, $-\text{C}(\text{O})\text{NH}_2$ or $-\text{C}(\text{S})\text{NH}_2$, when n is 2 or 3, each Y may be identical with or different from each other,

C₈halocycloalkyl, E-4 to E-7, E-23 to E-27 or E-28,

R⁴ is halogen atom, cyano, -OH, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl or tri(C₁-C₆alkyl)silyl,

R⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₃haloalkoxy C₁-C₃haloalkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, E-4 to E-9, E-23 to E-27 or E-28,

R⁶ is C₁-C₆alkyl, C₁-C₆haloalkyl, -S(O)₂R⁹, -CHO, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹ or -C(S)SR⁹,

R⁷ is hydrogen atom, C₁-C₆alkyl or C₁-C₆haloalkyl,

R⁹ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R¹⁰ is hydrogen atom or C₁-C₆alkyl, or R¹⁰ together with R⁹ may form 5- or 6-membered ring with the nitrogen atom bonding them by forming C₄ or C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom,

R¹¹ is C₁-C₆alkyl or C₁-C₆haloalkyl, or R¹¹ together with R⁹ may form 5- or 6-membered ring with the atom bonding them by forming C₂ or C₃alkylene chain, in this case, the alkylene chain may be arbitrarily substituted with C₁-C₆alkyl,

R¹⁵ is C₁-C₆alkyl or C₁-C₆haloalkyl,

R¹⁶ is halogen atom, cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, -OR²⁵, -N(R²⁶)R²⁵, -S(O)₂R²⁷, -SO₂NHR²⁹, -SO₂N(R²⁹)R²⁸, -CHO, -C(O)R²⁸, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(O)N(R²⁹)OR²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, -C(=NR³¹)OR³⁰, -C(=NR³¹)SR³⁰, -C(=NR³¹)N(R²⁹)R³⁰, -

C(=NOR³¹)NHR²⁹, -C(=NOR³¹)N(R²⁹)R³⁰, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-42, D-47 to D-55, E-4 to E-12, E-14, E-16 to E-19, E-21 to E-23, E-26 to E-35, E-40 to E-45, E-48, M-2, M-3, M-5, M-8 to M-10, M-14, M-15 or M-16,

R¹⁷ is C₁-C₆alkyl, C₁-C₆alkoxycarbonyl C₁-C₄alkyl or C₁-C₆alkoxycarbonyl,

R¹⁸ is C₁-C₆alkyl or benzyl,

R¹⁹ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₆alkyl, phenyl C₁-C₆alkyl, phenyl C₁-C₆alkyl substituted with (Z)_{p1}, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, -C(O)R²⁸, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, phenylsulfonyl, phenylsulfonyl substituted with (Z)_{p1}, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-18, D-21, D-25, D-30 to D-35, D-47 to D-55 or D-56,

R^{19a} is C_1 - C_6 alkyl,

R^{19b} is hydrogen atom or C_1 - C_6 alkyl,

R^{20} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, -CHO, C_1 - C_6 alkylcarbonyl, C_1 - C_6 haloalkylcarbonyl, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 haloalkoxycarbonyl or C_1 - C_6 alkylsulfonyl,

R^{22} is C_1 - C_4 alkyl or C_1 - C_4 haloalkyl, or two R^{22} s present on the same carbon atom may together form oxo, or thioxo,

R^{23} is hydrogen atom, C_1 - C_6 alkyl, -CHO, C_1 - C_6 alkylcarbonyl, C_1 - C_6 haloalkylcarbonyl, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 alkylsulfonyl or C_1 - C_6 haloalkylsulfonyl,

R^{25} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, -C(O) R^{33} , -C(O)OR³³, -C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R^{34}) R^{33} , -C(S) R^{33} , -C(S)OR³³, -C(S)SR³³, -C(S)NHR³⁴, -C(S)N(R^{34}) R^{33} , -S(O) R^{33} , -S(O) R^{33} , -S(O) R^{33} , di(C_1 - C_6 alkyl)thiophosphoryl, phenyl or phenyl substituted with (Z)_{p1},

R^{26} is hydrogen atom or C_1 - C_6 alkyl, or R^{26} together with R^{25} may form 4- to 6-membered ring with the nitrogen atom bonding them by forming C_3 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be substituted with C_1 - C_6 alkyl, oxo or thioxo,

R^{27} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, tri(C_1 - C_4 alkyl)silyl C_1 - C_4 alkyl, C_1 - C_6 alkylthio, -C(O)NHR³⁴, -C(O)N(R^{34}) R^{33} , -C(S)NHR³⁴, -C(S)N(R^{34}) R^{33} , phenyl, phenyl substituted with (Z)_{p1}, D-47 or D-50,

R^{28} is C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{32} , C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 haloalkynyl, phenyl or phenyl substituted with (Z)_{p1},

R^{29} is hydrogen atom, C_1 - C_6 alkyl, C_3 - C_6 alkenyl or C_3 - C_6 alkynyl, or R^{29} together with R^{28} may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C_2 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom,

R^{30} is C_1 - C_6 alkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with (Z)_{p1}, C_3 - C_8 alkenyl or C_3 - C_8 alkynyl,

R^{31} is hydrogen atom or C_1 - C_6 alkyl, or R^{31} together with R^{30} may form 5- or 6-membered ring with the atom bonding them by forming C_2 or C_3 alkylene chain, in this case, the alkylene chain may be arbitrarily substituted with C_1 - C_6 alkyl,

R^{32} is halogen atom, cyano, C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkoxy, C_1 - C_4 alkylthio, C_1 - C_4 haloalkylthio, C_1 - C_4 alkoxycarbonyl, -C(O)NH₂, C_1 -

C₄alkylaminocarbonyl, di(C₁-C₄alkyl)aminocarbonyl, phenyl or phenyl substituted with (Z)_{p1},

R³³ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₃-C₆alkenyl, C₃-C₆alkynyl, phenyl or phenyl substituted with (Z)_{p1},

R³⁴ is hydrogen atom or C₁-C₆alkyl,

m is an integer of 1 to 3,

n is an integer of 0 to 2,

q2 is an integer of 0 to 3,

q3 is an integer of 0 to 2, and

q4 is an integer of 0 to 2.

(4) The isoxazoline-substituted benzamide compound or the salt thereof as set forth in (3), wherein

A¹ is carbon atom or nitrogen atom,

A² and A³ are carbon atom,

G is G-1,

X is halogen atom, cyano, nitro, -SF₅, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₂-C₆alkynyl, C₂-C₆haloalkynyl, -OR⁵, -OSO₂R⁵, -S(O)_rR⁵ or tri(C₁-C₆alkyl)silyl, when m is 2 or 3, each X may be identical with or different from each other,

further, when two Xs are adjacent, the adjacent two Xs may form 5-membered or 6-membered ring together with carbon atoms to which the two Xs are bonded by forming -CF₂OCF₂-, -OCF₂O-, -CF₂OCF₂O- or -OCF₂CF₂O-,

Y is halogen atom, cyano, nitro, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, -OR⁵, -OSO₂R⁵, -S(O)_rR⁵, -NHR⁷, -N(R⁷)R⁶, -C(O)NH₂ or -C(S)NH₂, when n is 2 or 3, each Y may be identical with or different from each other,

R¹ is C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R¹⁶, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, -N(R²⁰)R¹⁹, -C(O)N(R¹⁰)R⁹, -C(S)N(R¹⁰)R⁹, phenyl substituted with (Z)_{p1}, D-8, D-10, D-11, D-13, D-15, D-17, D-18, D-21 to D-23, D-26, D-27, D-29 to D-37, D-39, D-40, D-42, D-45, D-47, D-48, D-50, D-51, D-53, D-54, D-56, D-58, E-5, E-7 or E-9, R² is hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆alkynyl, -OH, C₁-C₆alkylcarbonyloxy, C₁-C₆alkylsulfonyloxy, -NH₂, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹,

-C(S)OR⁹ or -C(S)SR⁹,

R³ is C₁-C₆haloalkyl, C₁-C₄alkoxy C₁-C₄haloalkyl, C₁-C₄haloalkoxy C₁-C₄haloalkyl, C₁-C₄alkylthio C₁-C₄haloalkyl, C₁-C₄haloalkylthio C₁-C₄haloalkyl, cyano C₁-C₆haloalkyl or C₃-C₈halocycloalkyl,

R⁴ is halogen atom, cyano, -OH, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl or tri(C₁-C₆alkyl)silyl,

R⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₃haloalkoxy C₁-C₃haloalkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₃-C₆alkynyl or C₃-C₆haloalkynyl,

R⁶ is C₁-C₆alkyl, C₁-C₆haloalkyl, -CHO, C₁-C₆alkylcarbonyl, C₁-C₆haloalkylcarbonyl, C₃-C₆cycloalkylcarbonyl, C₃-C₆halocycloalkylcarbonyl, C₁-C₆alkoxycarbonyl, C₁-C₆haloalkoxycarbonyl, C₁-C₆alkylthiocarbonyl, C₁-C₆alkoxythiocarbonyl, C₁-C₆alkyldithiocarbonyl, C₁-C₆alkylsulfonyl or C₁-C₆haloalkylsulfonyl,

R⁷ is hydrogen atom or C₁-C₆alkyl,

R⁹ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₈cycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R¹⁶ is halogen atom, cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, -OR²⁵, -N(R²⁶)R²⁵, -S(O)_rR²⁷, -SO₂NHR²⁹, -SO₂N(R²⁹)R²⁸, -C(O)R²⁸, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(O)N(R²⁹)OR²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, -C(=NR³¹)OR³⁰, -C(=NR³¹)SR³⁰, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-38, D-47 to D-55, E-4 to E-12, E-18, E-19, E-32, E-35, E-43, M-2, M-3, M-5, M-8, M-9 or M-10,

R¹⁹ is C₁-C₆haloalkyl, C₃-C₆cycloalkyl, -C(O)R²⁸, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, phenyl, phenyl substituted with (Z)_{p1}, D-3, D-4, D-21, D-47, D-50, D-51, D-53 or D-54,

R²⁰ is hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆alkenyl, C₃-C₆alkynyl, -CHO, C₁-C₆alkylcarbonyl, C₁-C₆alkoxycarbonyl or C₁-C₆alkylsulfonyl,

R²⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkylcarbonyl, C₁-C₆alkoxycarbonyl, C₁-C₆alkylaminocarbonyl, di(C₁-C₆alkyl)aminocarbonyl or C₁-C₆alkylsulfonyl,

R²⁶ is hydrogen atom or C₁-C₆alkyl,

R²⁷ is C₁-C₆alkyl, C₁-C₆haloalkyl or tri(C₁-C₄alkyl)silyl C₁-C₄alkyl,

R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl

substituted with (Z)_{p1}, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, phenyl or phenyl substituted with (Z)_{p1},

R²⁹ is hydrogen atom, C₁-C₆alkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R³⁰ is C₁-C₆alkyl or C₃-C₆cycloalkyl C₁-C₄alkyl,

R³¹ is hydrogen atom or C₁-C₆alkyl, or R³¹ together with R³⁰ may form 5- or 6-membered ring with the atom bonding them by forming C₂ or C₃alkylene chain.

(5) The isoxazoline-substituted benzamide compound or the salt thereof as set forth in (4), wherein

X is halogen atom, cyano, nitro, -SF₅, C₁-C₆alkyl, C₁-C₆haloalkyl, hydroxy C₁-C₆haloalkyl, C₁-C₆alkoxy C₁-C₆haloalkyl, C₁-C₆haloalkoxy C₁-C₆haloalkyl, C₃-C₈halocycloalkyl, -OR⁵, -OSO₂R⁵ or -S(O)_rR⁵, when m is 2 or 3, each X may be identical with or different from each other,

Y is halogen atom, cyano, nitro, C₁-C₄alkyl, C₁-C₄haloalkyl, C₁-C₄alkoxy, C₁-C₄haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, -NHR⁷ or -N(R⁷)R⁶,

R¹ is C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R¹⁶, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, -N(R²⁰)R¹⁹, D-8, D-10, D-13, D-15, D-18, D-21, D-34, D-35, D-50 or D-51,

R² is hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆alkynyl, -C(O)R⁹ or -C(O)OR⁹,

R³ is C₁-C₆haloalkyl or C₃-C₈halocycloalkyl,

R⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl or C₁-C₃haloalkoxy C₁-C₃haloalkyl,

R⁶ is C₁-C₆alkyl, -CHO, C₁-C₆alkylcarbonyl, C₁-C₆haloalkylcarbonyl, C₁-C₆alkoxycarbonyl, C₁-C₆alkylthiocarbonyl, C₁-C₆alkoxythiocarbonyl, C₁-C₆alkyldithiocarbonyl, C₁-C₆alkylsulfonyl or C₁-C₆haloalkylsulfonyl,

R⁹ is C₁-C₆alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, C₃-C₈cycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R¹⁶ is halogen atom, cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, C₁-C₆alkylcarbonyl, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NH₂, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-38, D-47 to D-55, E-4 to E-7, E-10, E-11 or E-32,

R¹⁹ is C₁-C₆haloalkyl, -C(O)R²⁸, -C(O)OR²⁸, phenyl, phenyl substituted with (Z)_{p1}, D-3, D-4, D-21, D-47, D-50, D-51, D-53 or D-54,

R^{20} is hydrogen atom or C_1 - C_6 alkyl,

R^{28} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, C_3 - C_6 cycloalkyl, C_3 - C_6 alkenyl or C_3 - C_6 alkynyl,

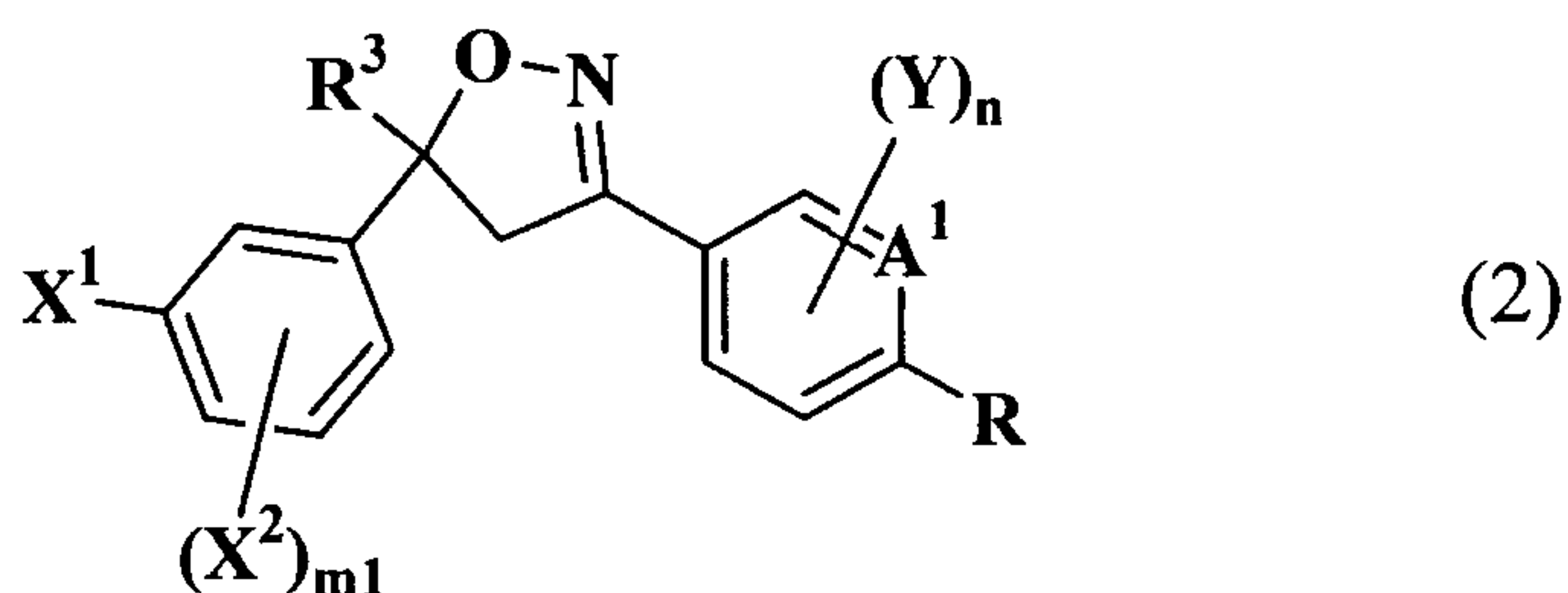
R^{29} is hydrogen atom or C_1 - C_6 alkyl,

R^{30} is C_1 - C_6 alkyl,

R^{31} is hydrogen atom or C_1 - C_6 alkyl, and

n is an integer of 0 or 1.

(6) 3,5-Bis (substituted aryl) substituted isoxazoline compound of formula (2) or a salt thereof:



wherein

A^1 is carbon atom or nitrogen atom,

X^1 is halogen atom, $-SF_5$, C_1 - C_6 haloalkyl, hydroxy C_1 - C_6 haloalkyl, C_1 - C_6 alkoxy C_1 - C_6 haloalkyl, C_1 - C_6 haloalkoxy C_1 - C_6 haloalkyl, C_3 - C_8 halocycloalkyl, C_1 - C_6 haloalkoxy, C_1 - C_3 haloalkoxy C_1 - C_3 haloalkoxy, C_1 - C_6 haloalkylthio, C_1 - C_6 haloalkylsulfonyl or C_1 - C_6 haloalkylsulfonyl,

X^2 is halogen atom, cyano, nitro, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, $-OR^5$, $-OSO_2R^5$ or $-S(O)_2R^5$, when m_1 is 2, each X^2 may be identical with or different from each other,

Y is halogen atom, cyano, nitro, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkoxy, C_1 - C_6 alkylthio, C_1 - C_6 haloalkylthio, C_1 - C_6 alkylsulfonyl, C_1 - C_6 haloalkylsulfonyl, $-NHR^7$ or $-N(R^7)R^6$,

R^3 is C_1 - C_6 haloalkyl or C_3 - C_8 halocycloalkyl,

R^5 is C_1 - C_6 alkyl or C_1 - C_6 haloalkyl,

R^6 is C_1 - C_6 alkyl, $-CHO$, C_1 - C_6 alkylcarbonyl, C_1 - C_6 haloalkylcarbonyl, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 alkylthiocarbonyl, C_1 - C_6 alkoxythiocarbonyl, C_1 - C_6 alkyldithiocarbonyl, C_1 - C_6 alkylsulfonyl or C_1 - C_6 haloalkylsulfonyl,

R^7 is hydrogen atom or C_1 - C_6 alkyl,

R is halogen atom, cyano, nitro, $-NH_2$, halosulfonyloxy, C_1 - C_6 alkylsulfonyloxy, C_1 - C_6 haloalkylsulfonyloxy, phenylsulfonyloxy, phenylsulfonyloxy substituted with $(Z)_{p1}$ or $-C(O)R^a$,

R^a is halogen atom, -OH, C_1 - C_6 alkoxy, 1-pyrazolyl, 1-imidazolyl or 1-triazolyl,
 Z is halogen atom, C_1 - C_6 alkyl or C_1 - C_6 haloalkyl, when p_1 is an integer of 2 or more,
each Z may be identical with or different from each other,
 m_1 is an integer of 0 to 2,
 n is an integer of 0 or 1,
 p_1 is an integer of 1 or 5, and
 r is an integer of 0 to 2.

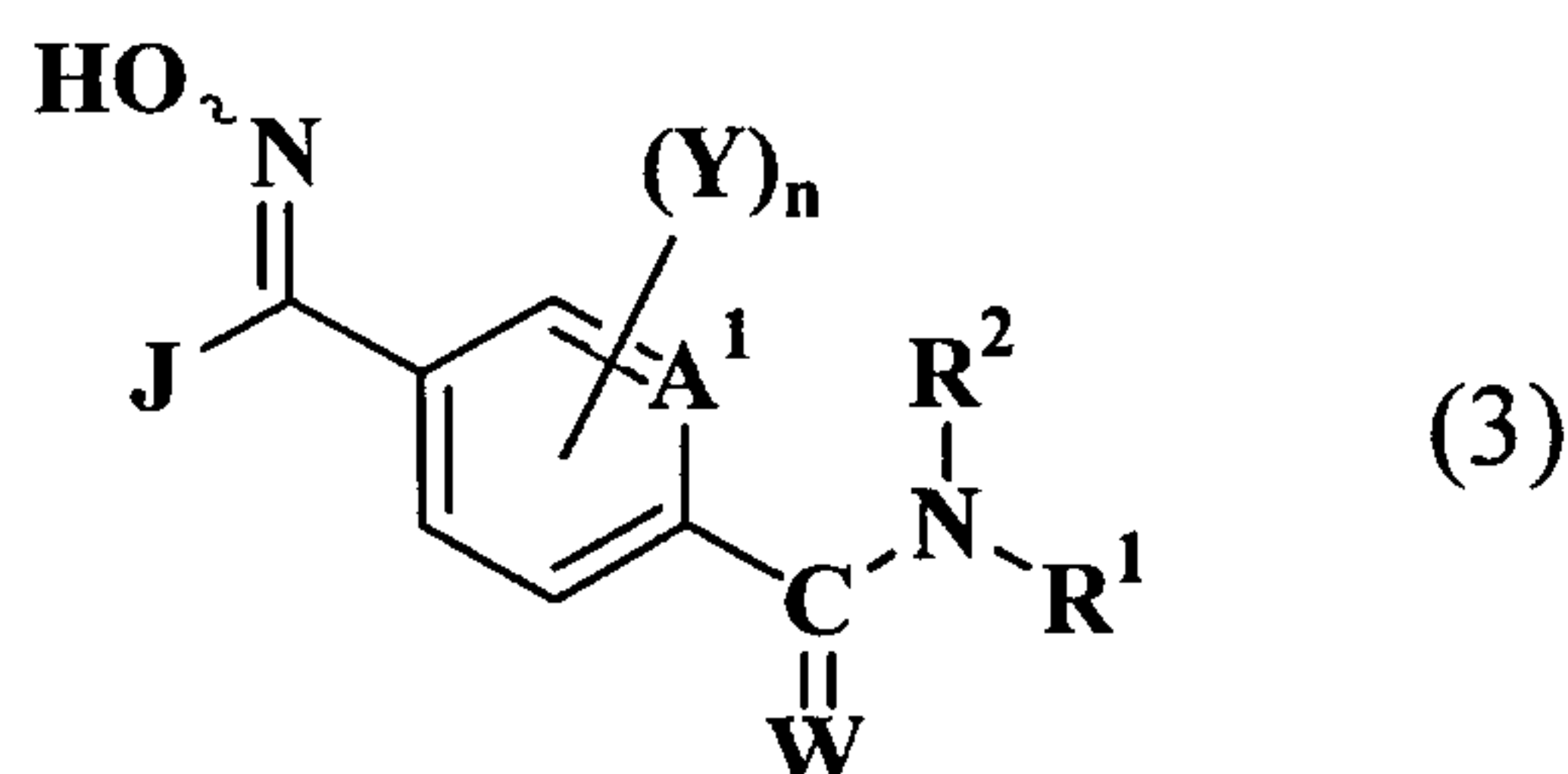
(7) 3,5-Bis (substituted aryl) substituted isoxazoline compound or the salt thereof as set forth in (6), wherein

(a) in case where R is halosulfonyloxy, C_1 - C_6 haloalkylsulfonyloxy, phenylsulfonyloxy or phenylsulfonyloxy substituted with $(Z)_{p_1}$, Y is halogen atom, cyano, nitro, C_1 - C_6 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkoxy, C_1 - C_6 alkylthio, C_1 - C_6 haloalkylthio, C_1 - C_6 alkylsulfonyl or C_1 - C_6 haloalkylsulfonyl,

(b) in case where R is $-C(O)R^a$, Y is cyano, nitro, C_1 - C_6 alkyl, C_1 - C_4 haloalkyl, C_1 - C_6 haloalkylthio or C_1 - C_6 haloalkylsulfonyl,

(c) in case where, R is halogen atom, cyano, nitro or $-NH_2$, Y is cyano, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 haloalkylthio or C_1 - C_6 haloalkylsulfonyl.

(8) 4-Hydroxyiminomethyl substituted benzamide compound of formula (3) or a salt thereof:



wherein

A^1 is carbon atom or nitrogen atom,

J is hydrogen atom or halogen atom,

W is oxygen atom or sulfur atom,

Y is halogen atom, cyano, nitro, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkoxy, C_1 - C_6 alkylsulfonyl, C_1 - C_6 haloalkylsulfonyl or $-N(R^7)R^6$,

R^1 is C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{16} , C_3 - C_6 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, $-N(R^{20})R^{19}$, D-8, D-10, D-13, D-15, D-18, D-21, D-34, D-35, D-50 or D-51,

R^2 is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, C_3 -

C₆alkynyl, -C(O)R⁹ or -C(O)OR⁹,

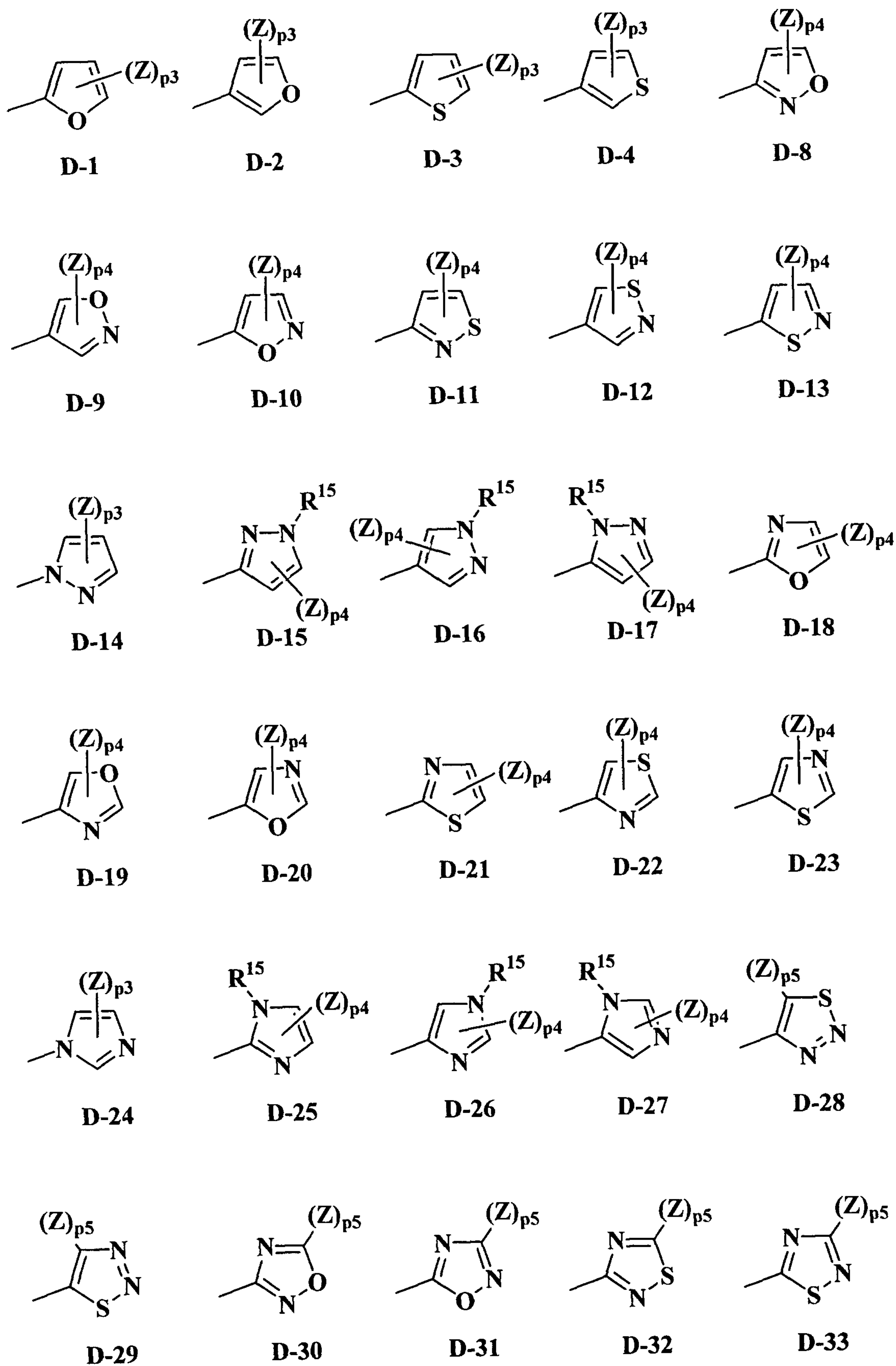
R⁶ is -CHO, C₁-C₆alkylcarbonyl, C₁-C₆haloalkylcarbonyl, C₁-C₆alkoxycarbonyl, C₁-C₆alkylthiocarbonyl, C₁-C₆alkoxythiocarbonyl, C₁-C₆alkyldithiocarbonyl, C₁-C₆alkylsulfonyl or C₁-C₆haloalkylsulfonyl,

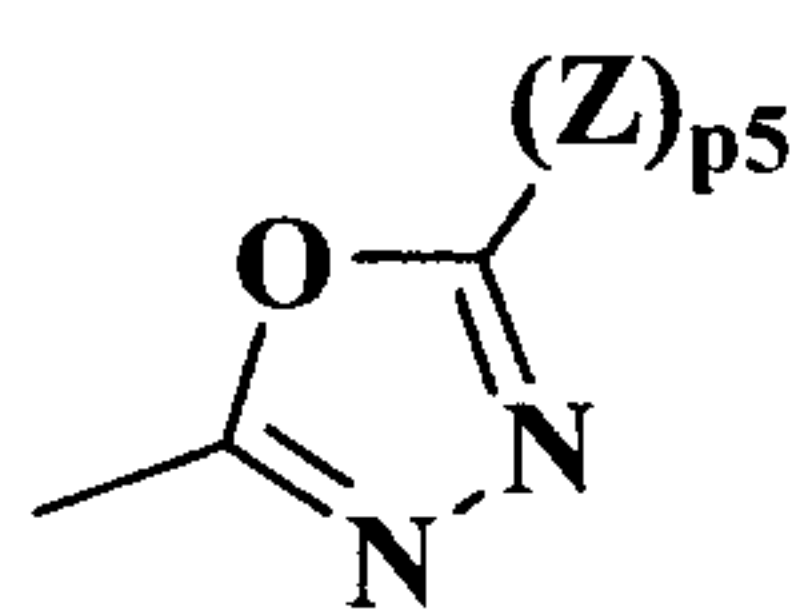
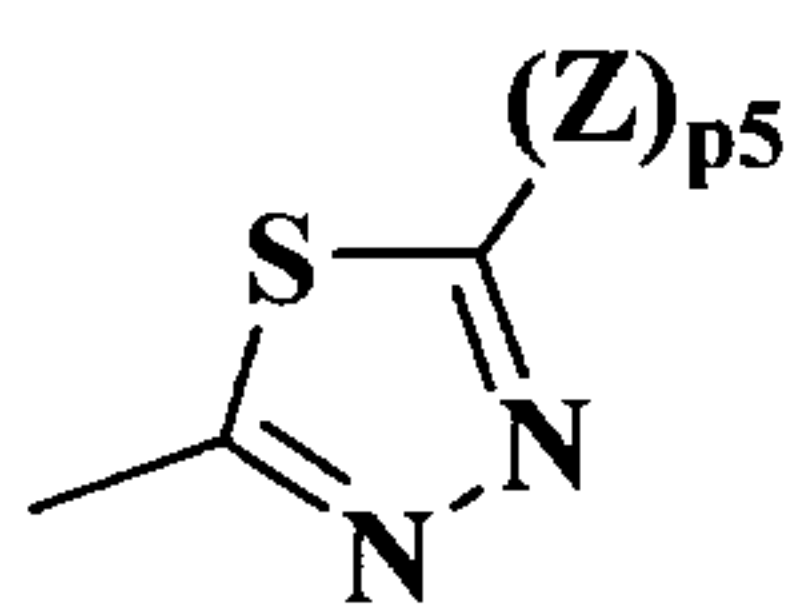
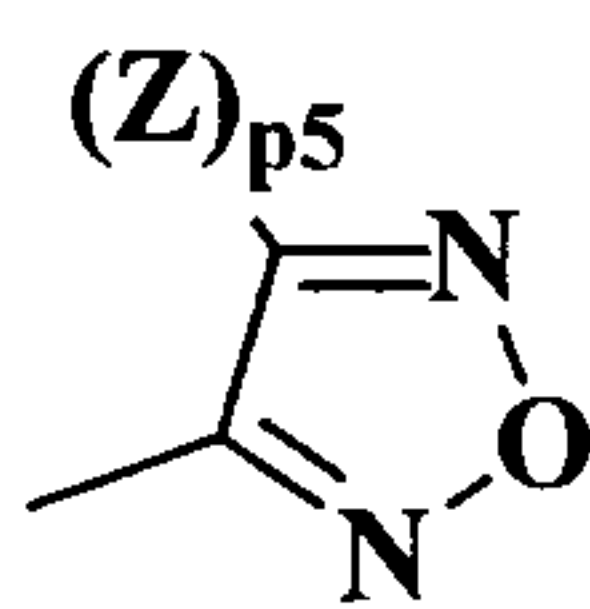
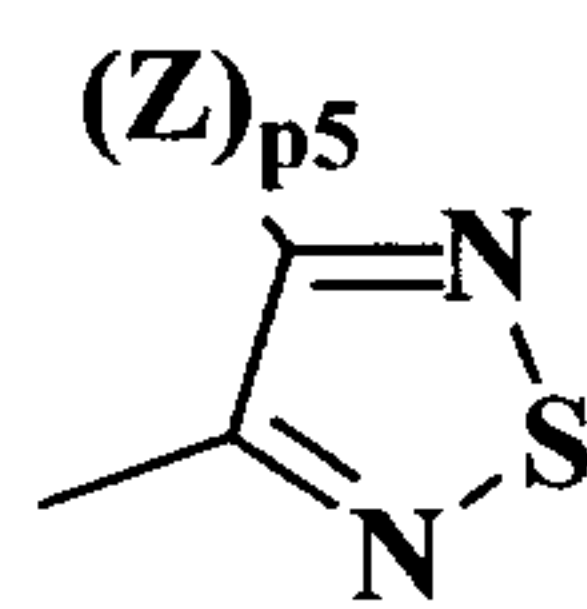
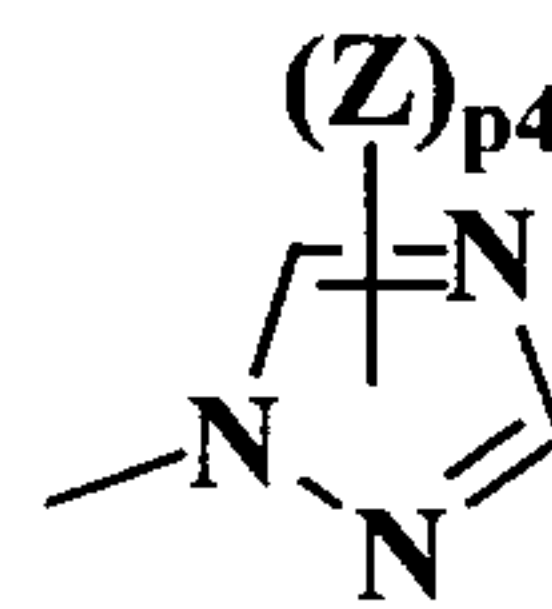
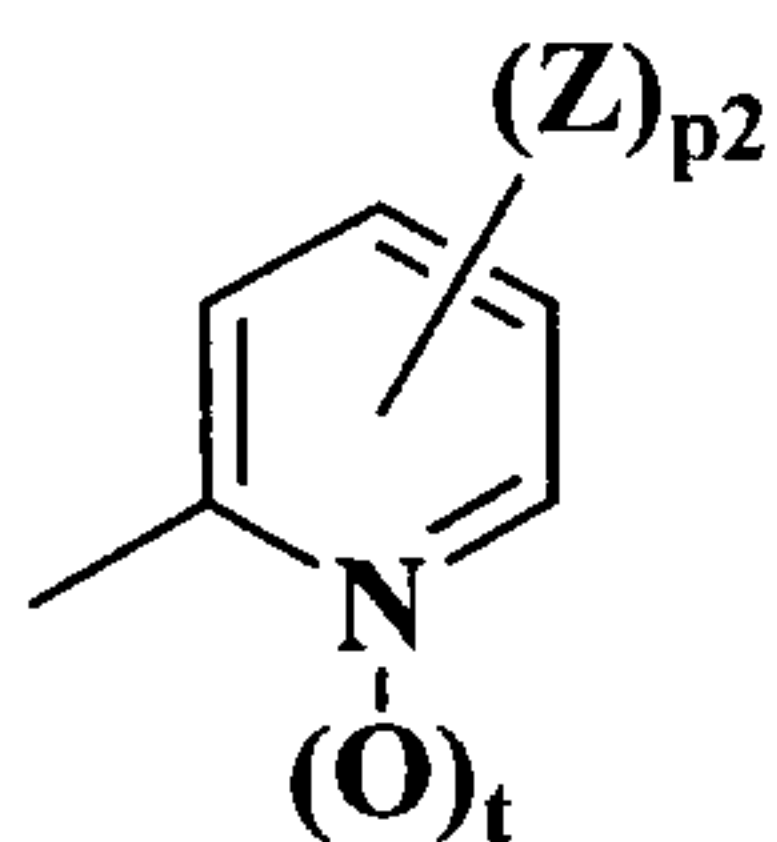
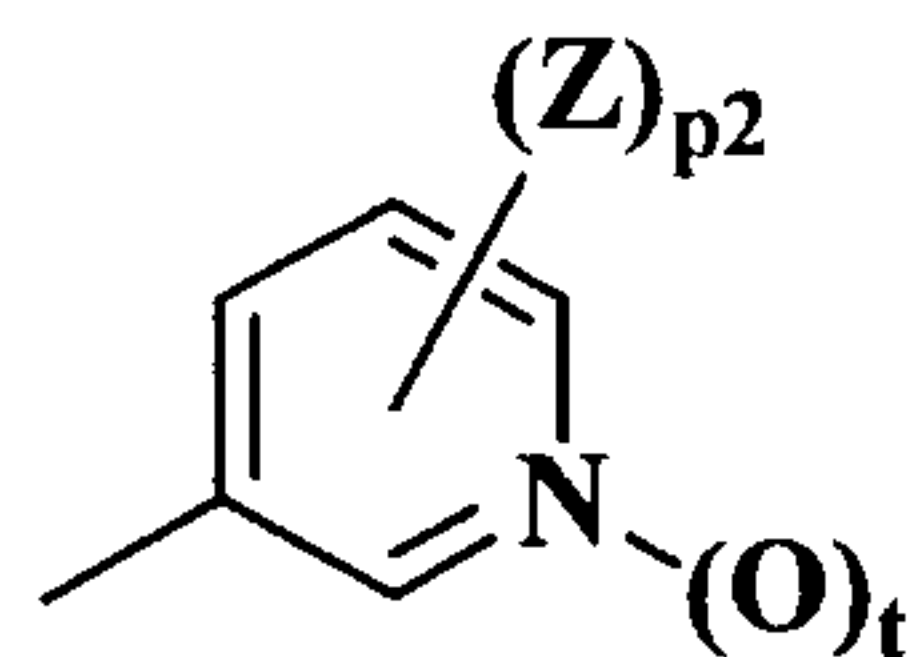
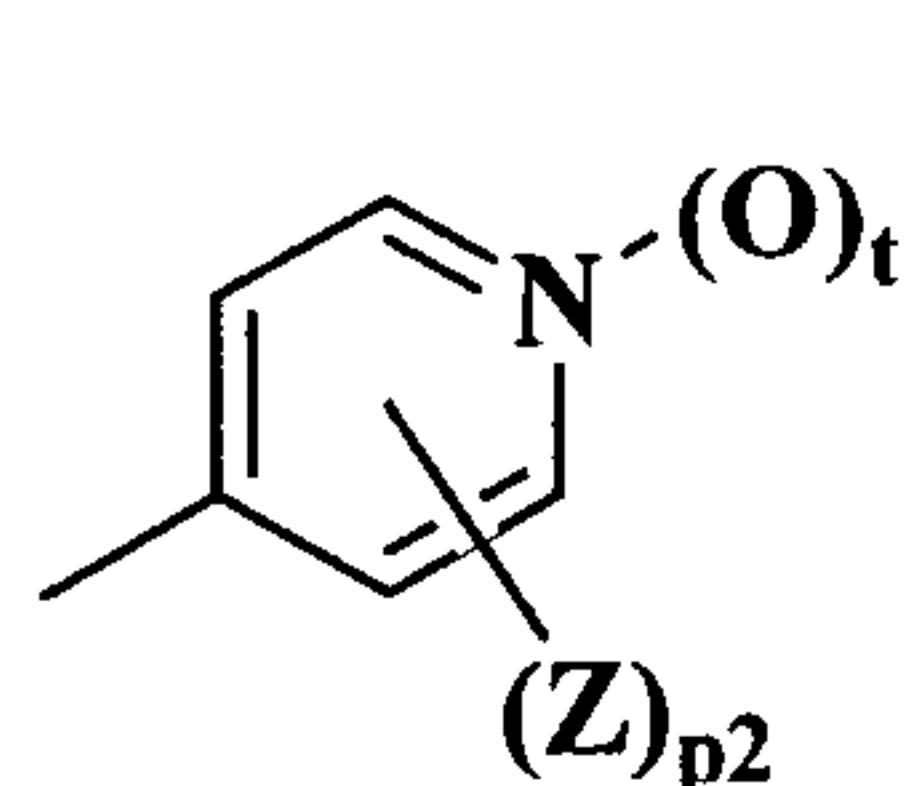
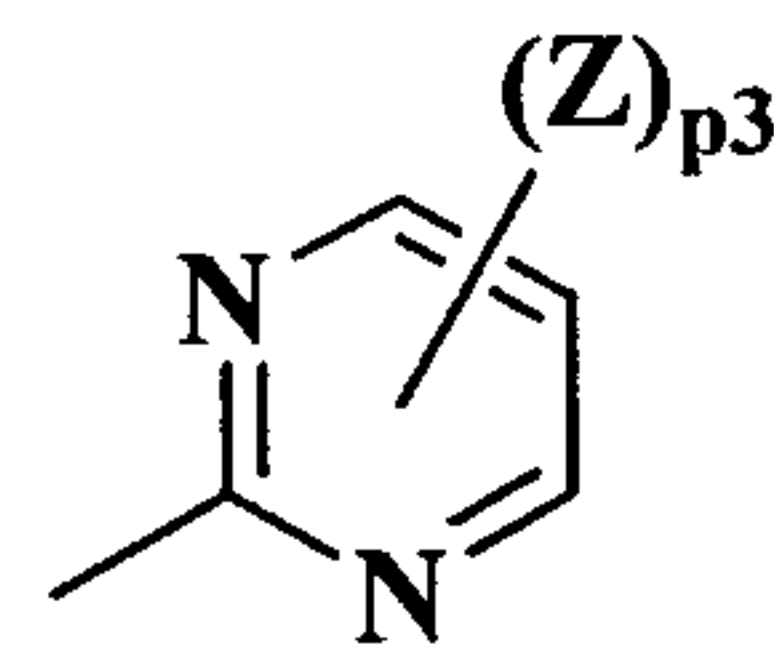
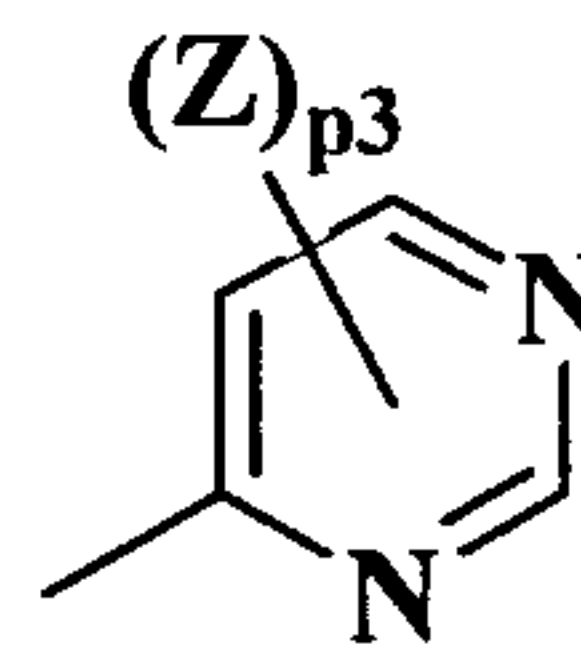
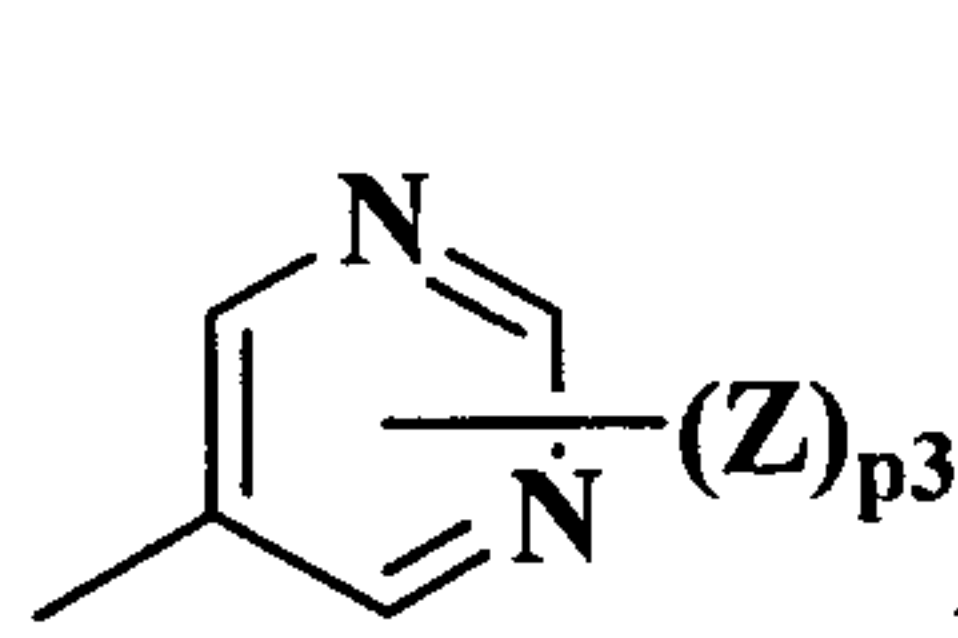
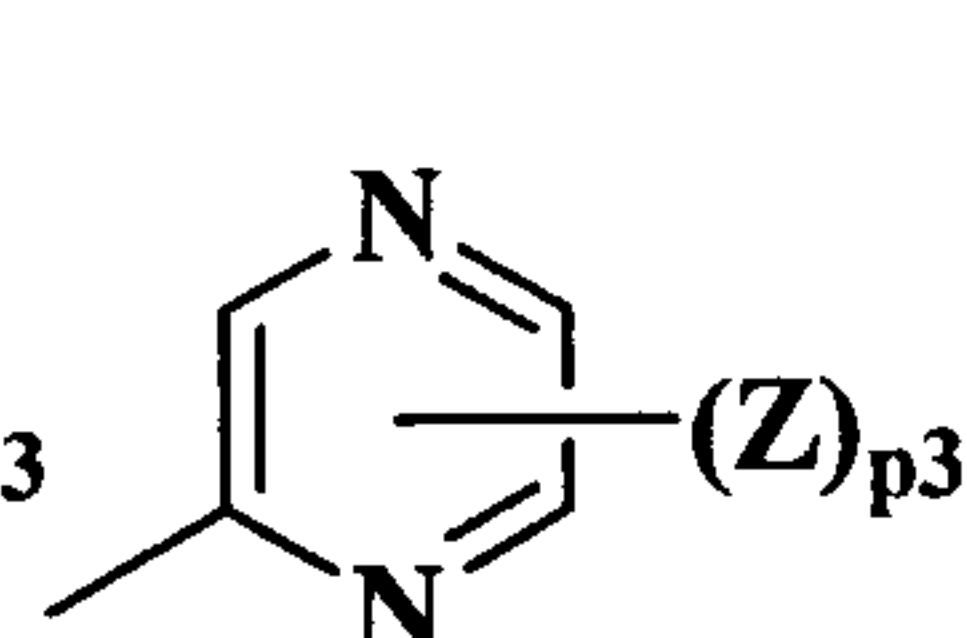
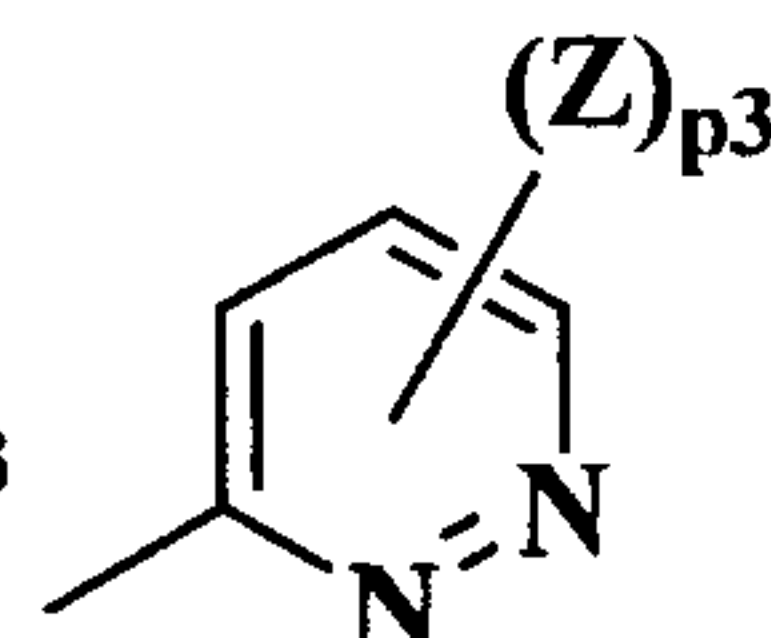
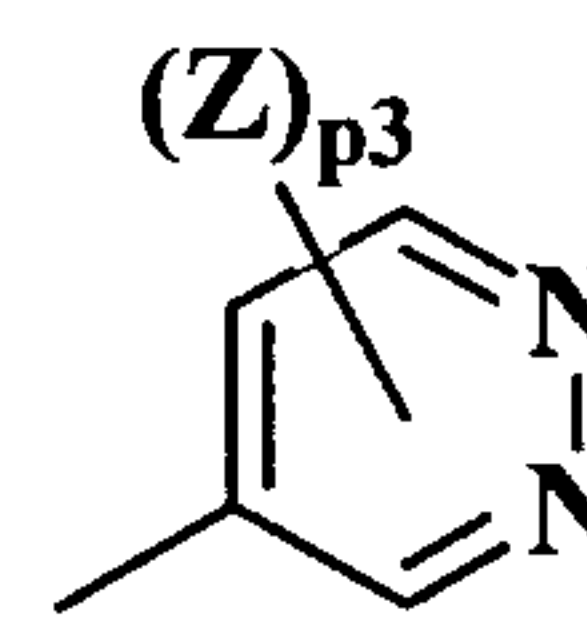
R⁷ is hydrogen atom or C₁-C₆alkyl,

R⁹ is C₁-C₆alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, C₃-C₈cycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R¹⁶ is halogen atom, cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, C₁-C₆alkylcarbonyl, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NH₂, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-38, D-47 to D-55, E-4 to E-7, E-10, E-11 or E-32,

D-1 to D-4, D-8 to D-38, D-47 to D-54 and D-55 are aromatic heterocyclic rings of the following formulae, respectively,

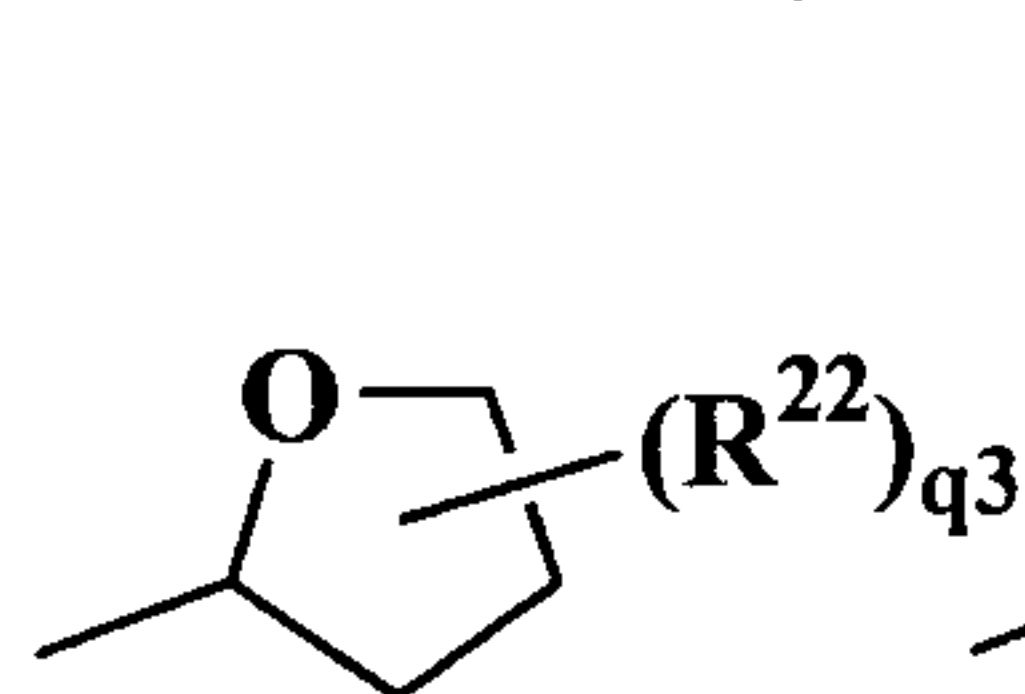
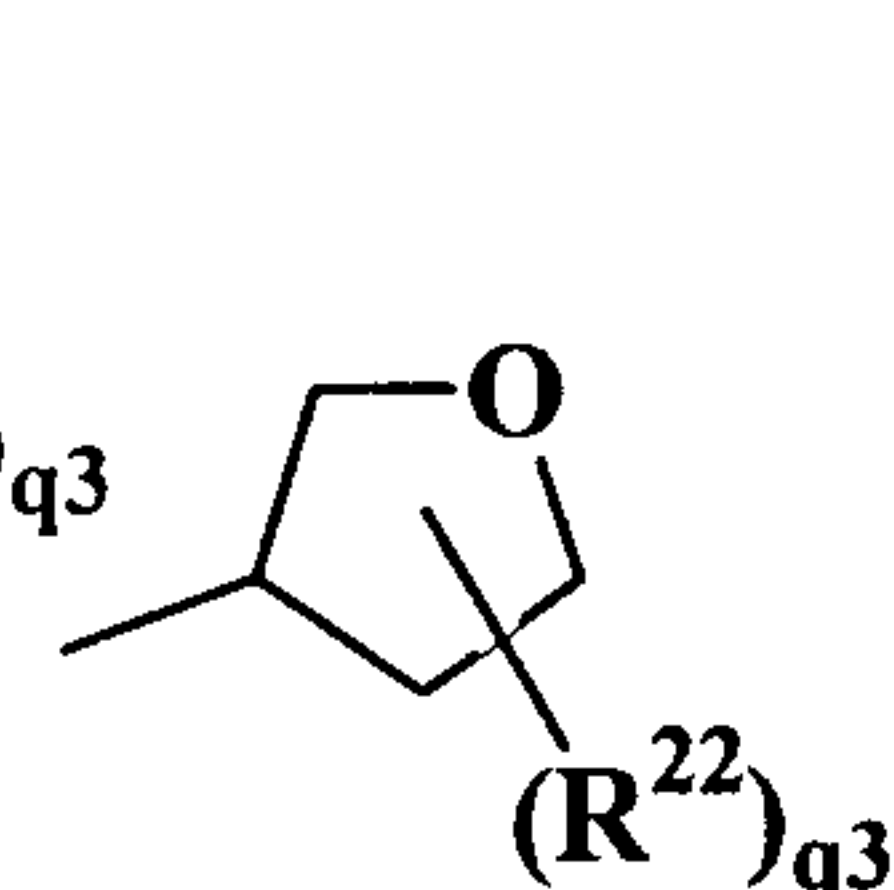
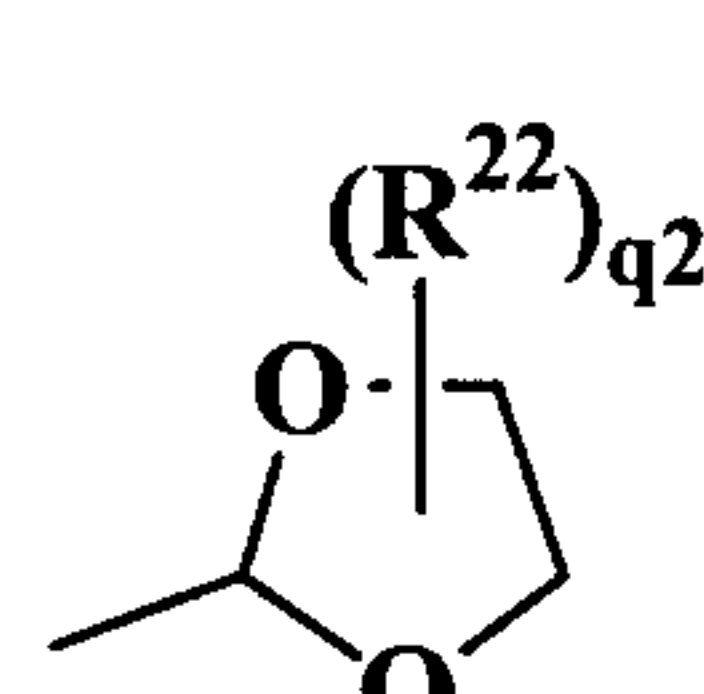
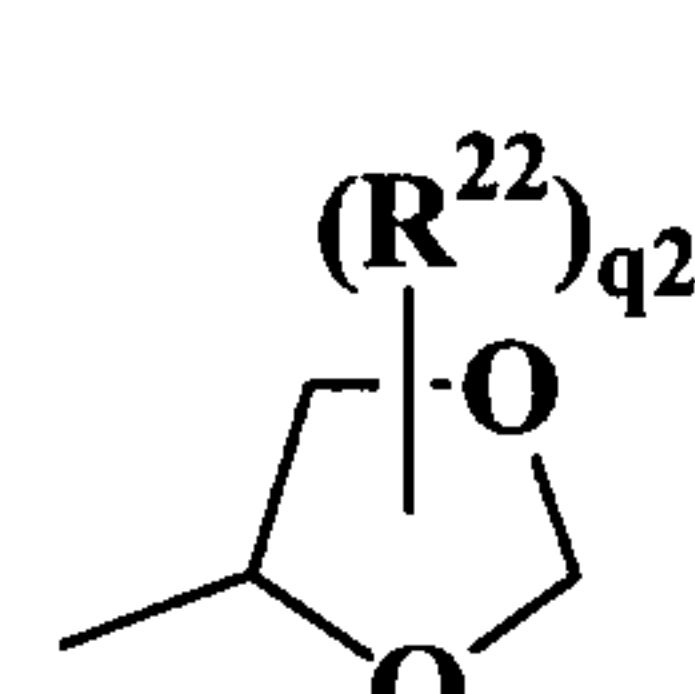
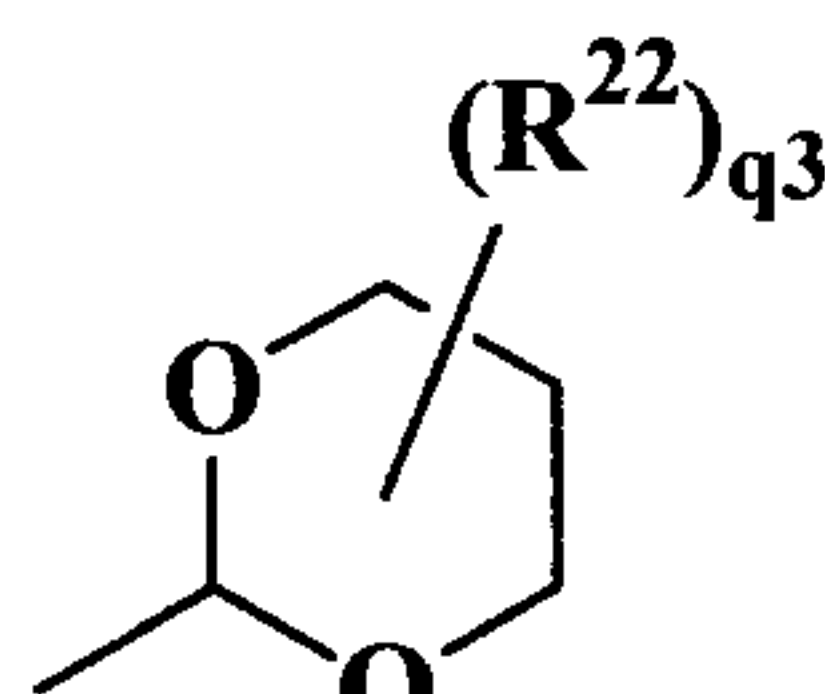


**D-34****D-35****D-36****D-37****D-38****D-47****D-48****D-49****D-50****D-51****D-52****D-53****D-54****D-55**

Z is halogen atom, cyano, nitro, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, C₁-C₆alkoxycarbonyl, -C(O)NH₂, C₁-C₆alkylaminocarbonyl, di(C₁-C₆alkyl)aminocarbonyl, -C(S)NH₂, -S(O)₂NH₂, C₁-C₆alkylaminosulfonyl or di(C₁-C₆alkyl)aminosulfonyl, when p₁, p₂, p₃ or p₄ is an integer of 2 or more, each Z may be identical with or different from each other,

R¹⁵ is C₁-C₆alkyl, phenyl or phenyl substituted with (Z)_{p1},

E-4, E-5, E-10, E-11 or E-32 is a saturated heterocyclic ring of the following formulae, respectively

**E-4****E-5****E-10****E-11****E-32**

R¹⁹ is C₁-C₆haloalkyl, -C(O)R²⁸, -C(O)OR²⁸, phenyl, phenyl substituted with (Z)_{p1}, D-3, D-4, D-21, D-47, D-50, D-51, D-53 or D-54,

R²⁰ is hydrogen atom or C₁-C₆alkyl,

R²² is C₁-C₄alkyl,

R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl, C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-

C₆alkenyl or C₃-C₆alkynyl,

R²⁹ is hydrogen atom or C₁-C₆alkyl,

R³⁰ is C₁-C₆alkyl,

R³¹ is C₁-C₆alkyl,

n is an integer of 0 or 1, with a proviso that n is 1 when R¹ and R² are methyl at the same time,

p1 is an integer of 1 to 5,

p2 is an integer of 0 to 4,

p3 is an integer of 0 to 3,

p4 is an integer of 0 to 2,

p5 is an integer of 0 or 1,

q2 is an integer of 0 to 3, and

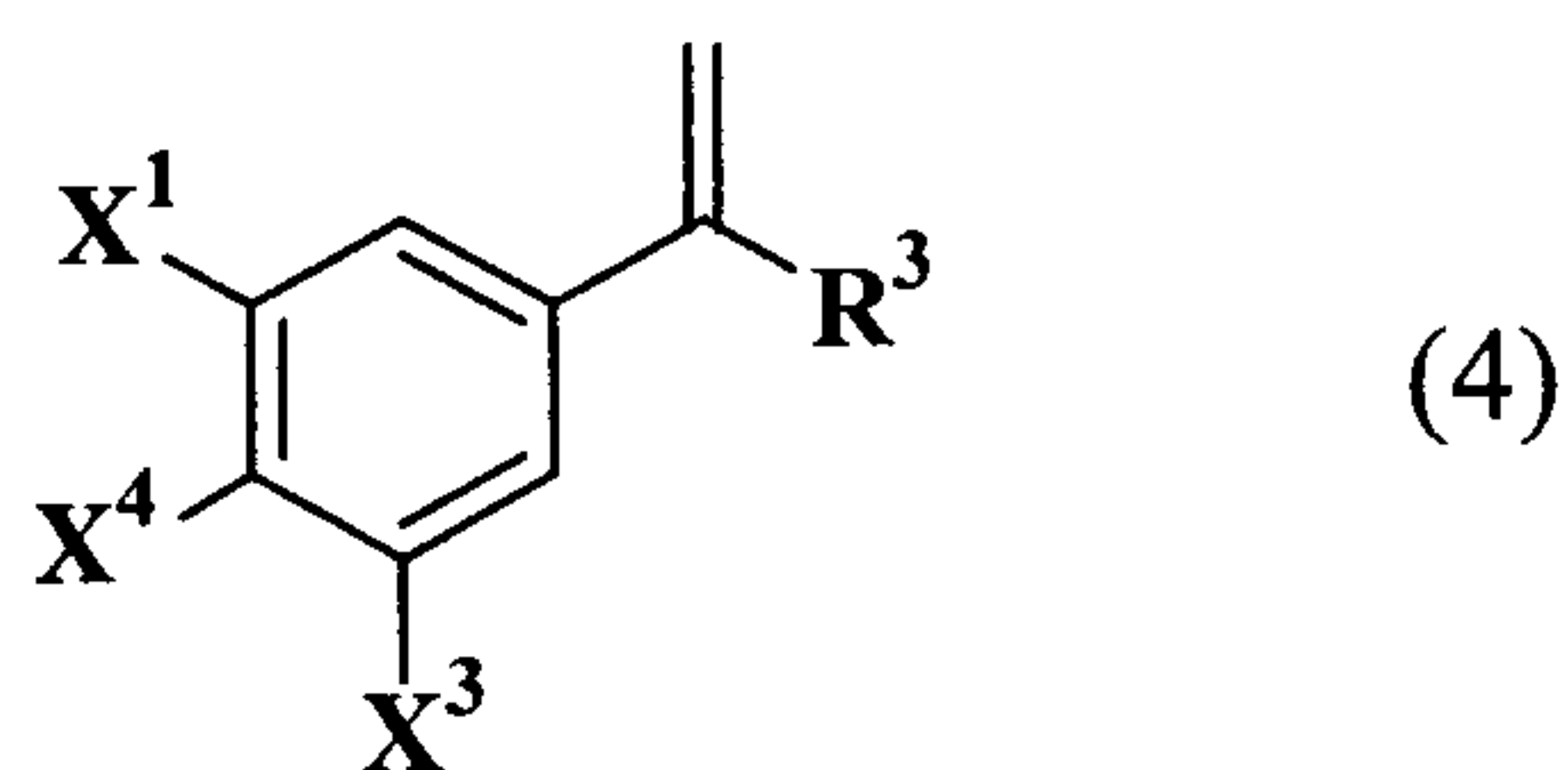
q3 is an integer of 0 to 2

(9) 4-Hydroxyiminomethyl substituted benzamide compound or the salt thereof as set forth in (8), wherein

R¹ is C₁-C₆alkyl arbitrarily substituted with R¹⁶, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, -N(R²⁰)R¹⁹, D-8, D-10, D-13, D-15, D-18, D-21, D-34, D-35, D-50 or D-51,

R¹⁶ is halogen atom, cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NH₂, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, D-1 to D-4, D-8 to D-38, D-47 to D-55, E-4, E-5, E-10, E-11 or E-32.

(10) Substituted alkenylbenzene compound of formula (4):



wherein

X¹ is halogen atom, -SF₅, C₁-C₆haloalkyl, hydroxy C₁-C₆haloalkyl, C₁-C₆alkoxy C₁-C₆haloalkyl, C₁-C₆haloalkoxy C₁-C₆haloalkyl, C₃-C₈halocycloalkyl, C₁-C₆haloalkoxy, C₁-C₃haloalkoxy C₁-C₃haloalkoxy, C₁-C₆haloalkylthio, C₁-C₆haloalkylsulfinyl or C₁-C₆haloalkylsulfonyl,

X³ is hydrogen atom, halogen atom, cyano, nitro, C₁-C₆alkyl, C₁-C₆haloalkyl, -OR⁵, -OSO₂R⁵ or -S(O)_rR⁵,

X⁴ is hydrogen atom, halogen atom, cyano, nitro, C₁-C₆alkyl, -OH, C₁-C₆alkoxy or C₁-C₆haloalkoxy,

R³ is C₁-C₆alkyl that is arbitrarily substituted with two or more arbitrarily halogen atoms, or C₃-C₈halocycloalkyl with a proviso that in case where X¹ is fluorine atom, chlorine atom or -CF₃ and both X³ and X⁴ are hydrogen atom, in case where both X¹ and X³ are fluorine atom, and X⁴ is hydrogen atom, and in case where both X¹ and X³ are -CF₃, and X⁴ is hydrogen atom, R³ is -CHF₂, -CHFCl, -CHFBr, -CHCl₂, -CF₂Cl, -CF₂Br, -CF₂I, -CFCl₂, -CFCIBr, -CFBr₂, -CCl₃, C₂-C₆haloalkyl or C₃-C₈halocycloalkyl, R⁵ is C₁-C₆alkyl or C₁-C₆haloalkyl,

r is an integer of 0 to 2.

(11) The substituted alkenylbenzene compound as set forth in (10), wherein X¹ is halogen atom, -SF₅, C₁-C₆haloalkyl, C₁-C₆haloalkoxy, C₁-C₆haloalkylthio, C₁-C₆haloalkylsulfinyl or C₁-C₆haloalkylsulfonyl,

X³ is hydrogen atom, halogen atom, cyano, nitro, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio or C₁-C₆haloalkylthio,

X⁴ is hydrogen atom, halogen atom, cyano, nitro, methyl, -OH, C₁-C₄alkoxy or C₁-C₄haloalkoxy,

R³ is -CHF₂, -CF₃, -CF₂Cl, -CF₂Br or -CF₂CF₃, with a proviso that in case where X¹ is fluorine atom, chlorine atom or -CF₃ and both X³ and X⁴ are hydrogen atom, in case where both X¹ and X³ are fluorine atom, and X⁴ is hydrogen atom, and in case where both X¹ and X³ are -CF₃, and X⁴ is hydrogen atom, R³ is -CHF₂, -CF₂Cl, -CF₂Br or -CF₂CF₃.

(12) A pesticide containing as an active ingredient one or more selected from isoxazoline-substituted benzamide compound and the salt thereof as set forth in (1) to (5).

(13) An agrochemical containing as an active ingredient one or more selected from isoxazoline-substituted benzamide compound and the salt thereof as set forth in (1) to (5).

(14) An endo- or ecto-parasiticide for mammals or birds containing as an active ingredient one or more selected from isoxazoline-substituted benzamide compound and the salt thereof as set forth in (1) to (5).

(15) An insecticide or acaricide containing as an active ingredient one or more selected from isoxazoline-substituted benzamide compound and the salt thereof as set forth in (1) to (5).

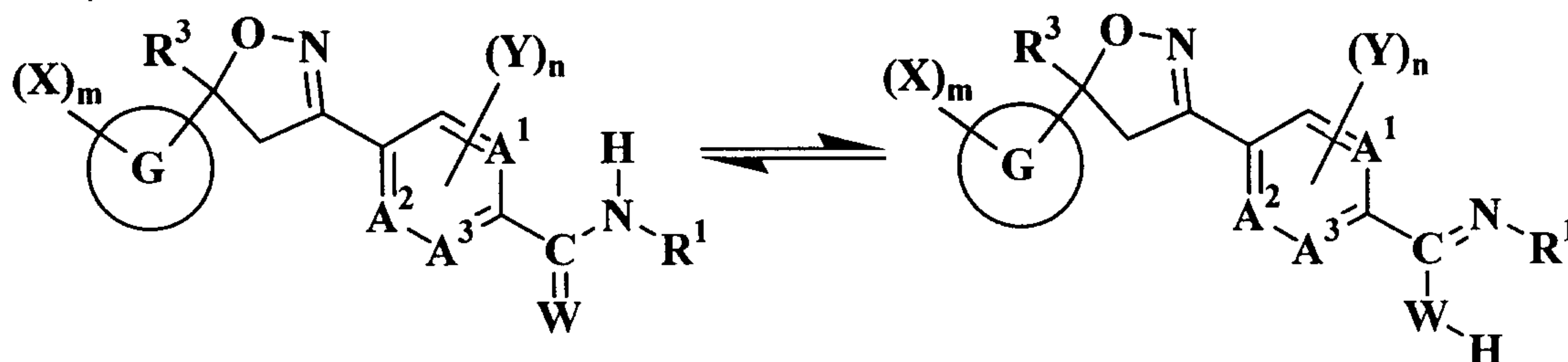
Effect of the Invention

[0009] The compound according to the present invention has an excellent insecticidal and acaricidal activity for many agricultural insect pests, spider mites, endo- or ecto-parasiticide for mammals or birds, and exerts a control effect sufficient for pest insects that acquire resistance against existing insecticides. Further, the compound has little adverse effect on mammals, fishes and beneficial insects, and has a low persistency and a low impact on the environment. Therefore, the present invention can provide a useful and novel pesticide.

Best Mode for carrying out the Invention

[0010] Active compounds used as the pesticide in the present invention are generally the compounds of formulae (1) to (5) mentioned above, and the compounds of formulae (6) to (11) mentioned above are novel production intermediates used for the production of these active compounds. These intermediates contain specific compounds themselves having control activity against specific pests that can be used as a control agent for the pest.

[0011] In the compounds included in the present invention, some compounds have geometrical isomers of E-form and Z-form depending on the kind of substituents. The present invention includes these E-forms, Z-forms and mixtures containing E-form and Z-form in an arbitrary proportion. In addition, the compounds included in the present invention have optically active forms resulting from the presence of 1 or more asymmetric carbon atoms, and the present invention includes all optically active forms or racemates. Further, in the compounds of formula (1) according to the present invention, some compounds wherein R^2 is hydrogen atom are present in tautomer, and the present invention includes these structures,



[0012] The compounds included in the present invention can be converted to acid addition salts for example salts of hydrohalide acid such as hydrofluoric acid, hydrochloric acid, hydrobromic acid, hydriodic acid or the like, salts of inorganic acids such as nitric acid, sulfuric acid, phosphoric acid, chloric acid, perchloric acid or the like, salts of sulfonic acid such as methansulfonic acid, ethansulfonic acid,

trifluoromethanesulfonic acid, benzene sulfonic acid, p-toluene sulfonic acid or the like, salts of carboxylic acid such as formic acid, acetic acid, propionic acid, trifluoroacetic acid, fumaric acid, tartaric acid, oxalic acid, maleic acid, malic acid, succinic acid, benzoic acid, mandelic acid, ascorbic acid, lactic acid, gluconic acid, citric acid or the like, or salts of amino acid such as glutamic acid, aspartic acid or the like, according to a conventional method.

[0013] The compounds included in the present invention can be converted to metal salts for example salts of alkali metal such as lithium, sodium, potassium, salts of alkaline earth metal such as calcium, barium, magnesium, or salts of aluminum, according to a conventional method.

[0014] Hereinafter, concrete examples of each substituent shown in the specification are described. In the specification, “n-” means normal, “i-” means iso, “s-” means secondary, and “t-” means tertiary, and “Ph” means phenyl.

[0015] Halogen atom in the compounds of the present invention includes fluorine atom, chlorine atom, bromine atom and iodine atom. In the interim, the indication of “halo” in the specification also means these halogen atoms.

[0016] In the specification, the indication of “C_a-C_balkyl” means straight-chain or branched-chain hydrocarbon groups having carbon atom number of a to b, and includes for example methyl, ethyl, n-propyl, i-propyl, n-butyl, s-butyl, i-butyl, t-butyl, n-pentyl, 1-methylbutyl, 2-methylbutyl, 3-methylbutyl, 1-ethylpropyl, 1,1-dimethylpropyl, 1,2-dimethylpropyl, neopentyl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1-ethylbutyl, 2-ethylbutyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, heptyl, 5-methylhexyl, 2-ethylpentyl, octyl, 2-ethylhexyl, nonyl, 2-methyloctyl, decyl, 2-methylnonyl, undecyl, 2-methyldecyl, dodecyl and the like. It is selected from the scope of the indicated carbon atom number.

[0017] In the specification, the indication of “C_a-C_bhaloalkyl” means straight-chain or branched-chain hydrocarbon groups having carbon atom number of a to b that a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with a halogen atom (halogen atoms). In this case, if it is substituted with two or more halogen atoms, these halogen atoms may be identical with or different from each other. Concrete examples thereof are for example fluoromethyl, chloromethyl, difluoromethyl, dichloromethyl, trifluoromethyl, chlorodifluoromethyl,

trichloromethyl, bromodifluoromethyl, 2-fluoroethyl, 2-chloroethyl, 2-bromoethyl, 2,2-difluoroethyl, 2-chloro-2-fluoroethyl, 2,2-dichloroethyl, 2-bromo-2-fluoroethyl, 2-bromo-2-chloroethyl, 2,2,2-trifluoroethyl, 2-chloro-2,2-difluoroethyl, 2,2-dichloro-2-fluoroethyl, 2,2,2-trichloroethyl, 2-bromo-2,2-difluoroethyl, 2-bromo-2-chloro-2-fluoroethyl, 2-bromo-2,2-dichloroethyl, pentafluoroethyl, 2-fluoropropyl, 2-chloropropyl, 2-bromopropyl, 2,3-dichloropropyl, 2,3-dibromopropyl, 3,3,3-trifluoropropyl, 3-bromo-3,3-difluoropropyl, 2,2,3,3-tetrafluoropropyl, 2-chloro-3,3,3-trifluoropropyl, 2,2,3,3,3-pentafluoropropyl, 2,2,2-trifluoro-1-trifluoromethylethyl, heptafluoropropyl, 1,2,2,2-tetrafluoro-1-trifluoromethylethyl, 2,2,3,3,4,4-hexafluorobutyl, 2,2,3,4,4,4-hexafluorobutyl, 2,2,3,3,4,4,4-heptafluorobutyl, nonafluorobutyl, 5-chloro-2,2,3,4,4,5,5-heptafluoropentyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0018] In the specification, the indication of “hydroxy C_a-C_balkyl” means straight-chain or branched-chain alkyl groups having carbon atom number of a to b that a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with a hydroxy group (hydroxy groups). Concrete examples thereof are for example hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, 2-hydroxypropyl, 3-hydroxypropyl, 2-hydroxybutyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0019] In the specification, the indication of “cyano C_a-C_balkyl” means straight-chain or branched-chain alkyl groups having carbon atom number of a to b that a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with a cyano group (cyano groups). Concrete examples thereof are for example cyanomethyl, 1-cyanoethyl, 2-cyanoethyl, 2-cyanopropyl, 3-cyanopropyl, 2-cyanobutyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0020] In the specification, the indication of “C_a-C_bcycloalkyl” means cyclic hydrocarbon groups having carbon atom number of a to b, and can form 3-membered to 6-membered single ring or conjugated ring structure. In addition, each ring may be arbitrarily substituted alkyl group in the scope of the indicated carbon atom number. Concrete examples thereof are for example cyclopropyl, 1-methylcyclopropyl, 2-methylcyclopropyl, 2,2-dimethylcyclopropyl, 2,2,3,3-tetramethylcyclopropyl, cyclobutyl, cyclopentyl, 2-methylcyclopentyl, 3-methylcyclopentyl, cyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl,

4-methylcyclohexyl, bicyclo[2.2.1]heptan-2-yl and the like. It is selected from the scope of the indicated carbon atom number.

[0021] In the specification, the indication of “C_a-C_bhalocycloalkyl” means cyclic hydrocarbon groups having carbon atom number of a to b that a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with a halogen atom (halogen atoms), and can form 3-membered to 6-membered single ring or conjugated ring structure. In addition, each ring may be arbitrarily substituted alkyl group in the scope of the indicated carbon atom number. The substitution for halogen atom may be in the ring structure moiety, the side chain moiety or both of them. Further, if it is substituted with two or more halogen atoms, these halogen atoms may be identical with or different from each other. Concrete examples thereof are for example 2,2-dichlorocyclopropyl, 2,2-dibromocyclopropyl, 2,2-difluoro-1-methylcyclopropyl, 2,2-dichloro-1-methylcyclopropyl, 2,2-dibromo-1-methylcyclopropyl, 2,2-dichloro-3,3-dimethylcyclopropyl, 2,2,3,3-tetrafluorocyclobutyl, 2-trifluoromethylcyclohexyl, 3-trifluoromethylcyclohexyl, 4-trifluoromethylcyclohexyl and the like. It is selected from the scope of the indicated carbon atom number.

[0022] In the specification, the indication of “C_a-C_balkenyl” means straight-chain or branched-chain unsaturated hydrocarbon groups having carbon atom number of a to b and having 1 or more double bonds. Concrete examples thereof are for example vinyl, 1-propenyl, 1-methylethenyl, 2-propenyl, 2-butenyl, 1-methyl-2-propenyl, 2-methyl-2-propenyl, 2-methyl-2-butenyl, 3-methyl-2-butenyl, 2-hexenyl, 2-methyl-2-pentenyl, 2,4-dimethyl-2,6-heptadienyl, 3,7-dimethyl-2,6-octadienyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0023] In the specification, the indication of “C_a-C_bhalolkenyl” means straight-chain or branched-chain unsaturated hydrocarbon groups having carbon atom number of a to b and having 1 or more double bonds, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with a halogen atom (halogen atoms). In this case, if it is substituted with two or more halogen atoms, these halogen atoms may be identical with or different from each other. Concrete examples thereof are for example 2,2-dichlorovinyl, 2-fluoro-2-propenyl, 2-chloro-2-propenyl, 2-bromo-2-propenyl, 3-bromo-2-propenyl, 3,3-difluoro-2-propenyl, 2,3-dichloro-2-propenyl, 3,3-dichloro-2-propenyl, 2,3-dibromo-2-propenyl, 2,3,3-trifluoro-2-propenyl, 1-trifluoromethylvinyl, 2,3,3-trichloro-2-propenyl, 2-bromo-2-butenyl, 3-bromo-2-methyl-2-propenyl,

4,4-difluoro-3-butenyl, 3,4,4-trifluoro-3-butenyl, 3-chloro-4,4,4-trifluoro-2-butenyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0024] In the specification, the indication of “C_a-C_bcycloalkenyl” means cyclic unsaturated hydrocarbon groups having carbon atom number of a to b and having 1 or more double bonds, and can form 3-membered to 6-membered single ring or conjugated ring structure. In addition, each ring may be arbitrarily substituted alkyl group in the scope of the indicated carbon atom number, and further the double bond may be either endo- or exo-form. Concrete examples thereof are for example 2-cyclopenten-1-yl, 3-cyclopenten-1-yl, 2-cyclohexen-1-yl, 3-cyclohexen-1-yl, bicyclo [2.2.1]-5-hepten-2-yl and the like. It is selected from the scope of the indicated carbon atom number.

[0025] In the specification, the indication of “C_a-C_bhalocycloalkenyl” means cyclic unsaturated hydrocarbon groups having carbon atom number of a to b and having 1 or more double bonds, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with a halogen atom (halogen atoms), and can form 3-membered to 6-membered single ring or conjugated ring structure. In addition, each ring may be arbitrarily substituted alkyl group in the scope of the indicated carbon atom number, and further the double bond may be either endo- or exo-form. The substitution for halogen atom may be in the ring structure moiety, the side chain moiety or both of them. Further, if it is substituted with two or more halogen atoms, these halogen atoms may be identical with or different from each other. Concrete examples thereof are for example 2-chlorobicyclo [2.2.1]-5-hepten-2-yl and the like. It is selected from the scope of the indicated carbon atom number.

[0026] In the specification, the indication of “C_a-C_balkynyl” means straight-chain or branched-chain unsaturated hydrocarbon groups having carbon atom number of a to b and having 1 or more triple bonds. Concrete examples thereof are for example ethynyl, 1-propynyl, 2-propynyl, 1-methyl-2-propynyl, 2-butyne, 2-pentyne, 1-methyl-2-butyne, 2-hexynyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0027] In the specification, the indication of “C_a-C_bhaloalkynyl” means straight-chain or branched-chain unsaturated hydrocarbon groups having carbon atom number of a to b and having 1 or more triple bonds, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with a halogen atom (halogen atoms). In this case, if it is substituted with two or more

halogen atoms, these halogen atoms may be identical with or different from each other. Concrete examples thereof are for example 2-chloroethynyl, 2-bromoethynyl, 2-iodoethynyl, 3-chloro-2-propynyl, 3-bromo-2-propynyl, 3-iodo-2-propynyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0028] In the specification, the indication of “C_a-C_balkoxy” means alkyl-O- groups wherein the alkyl has carbon atom number of a to b, and includes for example methoxy, ethoxy, n-propyloxy, i-propyloxy, n-butyloxy, s-butyloxy, i-butyloxy, t-butyloxy, n-pentyloxy, n-hexyloxy and the like. It is selected from the scope of the indicated carbon atom number.

[0029] In the specification, the indication of “C_a-C_bhaloalkoxy” means haloalkyl-O- groups wherein the haloalkyl has carbon atom number of a to b, and includes for example difluoromethoxy, trifluoromethoxy, chlorodifluoromethoxy, bromodifluoromethoxy, 2-fluoroethoxy, 2-chloroethoxy, 2,2,2-trifluoroethoxy, 1,1,2,2-tetrafluoroethoxy, 2-chloro-1,1,2-trifluoroethoxy, 2-bromo-1,1,2-trifluoroethoxy, 2,2-dichloro-1,1,2-trifluoroethoxy, pentafluoroethoxy, 2,2,2-trichloro-1,1-difluoroethoxy, 2-bromo-1,1,2,2-tetrafluoroethoxy, 2,2,3,3-tetrafluoropropyloxy, 1,1,2,3,3,3-hexafluoropropyloxy, 2,2,2-trifluoro-1-trifluoromethylethoxy, heptafluoropropyloxy, 2-bromo-1,1,2,3,3,3-hexafluoropropyloxy, and the like. It is selected from the scope of the indicated carbon atom number.

[0030] In the specification, the indication of “C_a-C_balkenyloxy” means alkenyl-O- groups wherein the alkenyl has carbon atom number of a to b, and includes for example 2-propenyloxy, 2-butenyloxy, 2-methyl-2-propenyloxy, 3-methyl-2-butenyloxy, and the like. It is selected from the scope of the indicated carbon atom number.

[0031] In the specification, the indication of “C_a-C_bhaloalkenyloxy” means haloalkenyl-O- groups wherein the haloalkenyl has carbon atom number of a to b, and includes for example 2-chloro-2-propenyl, 3-chloro-2-propenyl, 3,3-difluoro-2-propenyl, 3,3-dichloro-2-propenyl, 2,3,3-trifluoro-2-propenyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0032] In the specification, the indication of “C_a-C_balkylthio” means alkyl-S- groups wherein the alkyl has carbon atom number of a to b, and includes for example methylthio, ethylthio, n-propylthio, i-propylthio, n-butylthio, s-butylthio, i-butylthio, t-butylthio, n-pentylthio, n-hexylthio and the like. It is selected from the scope of the indicated carbon atom number.

[0033] In the specification, the indication of “C_a-C_bhaloalkylthio” means haloalkyl-S- groups wherein the haloalkyl has carbon atom number of a to b, and includes for example difluoromethylthio, trifluoromethylthio, bromodifluoromethylthio, 2,2,2-trifluoroethylthio, 1,1,2,2-tetrafluoroethylthio, 1,1,2-trifluoro-2-chloroethylthio, pentafluoroethylthio, 2-bromo-1,1,2,2-tetrafluoroethylthio, heptafluoropropylthio, 1,2,2,2-tetrafluoro-1-trifluoromethylthio, 1,2,2,2-tetrafluoro-1-trifluoroethylthio, nonafluorobutylthio, and the like. It is selected from the scope of the indicated carbon atom number.

[0034] In the specification, the indication of “C_a-C_balkylsulfinyl” means alkyl-S(O)- groups wherein the alkyl has carbon atom number of a to b, and includes for example methylsulfinyl, ethylsulfinyl, n-propylsulfinyl, i-propylsulfinyl, n-butylsulfinyl, s-butylsulfinyl, i-butylsulfinyl, t-butylsulfinyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0035] In the specification, the indication of “C_a-C_bhaloalkylsulfinyl” means haloalkyl-S(O)- groups wherein the haloalkyl has carbon atom number of a to b, and includes for example difluoromethylsulfinyl, trifluoromethylsulfinyl, bromodifluoromethylsulfinyl, 2,2,2-trifluoroethylsulfinyl, 2-bromo-1,1,2,2-tetrafluoroethylsulfinyl, 1,2,2,2-tetrafluoro-1-trifluoromethylethylsulfinyl, nonafluorobutylsulfinyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0036] In the specification, the indication of “C_a-C_balkylsulfonyl” means alkyl-SO₂- groups wherein the alkyl has carbon atom number of a to b, and includes for example methanesulfonyl, ethanesulfonyl, n-propylsulfonyl, i-propylsulfonyl, n-butylsulfonyl, s-butylsulfonyl, i-butylsulfonyl, t-butylsulfonyl, n-pentylsulfonyl, n-hexylsulfonyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0037] In the specification, the indication of “C_a-C_bhaloalkylsulfonyl” means haloalkyl-SO₂- groups wherein the haloalkyl has carbon atom number of a to b, and includes for example difluoromethanesulfonyl, trifluoromethanesulfonyl, chlorodifluoromethanesulfonyl, bromodifluoromethanesulfonyl, 2,2,2-trifluoroethanesulfonyl, 1,1,2,2-tetrafluoroethanesulfonyl, 1,1,2-trifluoro-2-chloroethanesulfonyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0038] In the specification, the indication of “C_a-C_balkylamino” means amino groups, which either hydrogen atom is substituted with the above-mentioned alkyl

group having carbon atom number of a to b, and includes for example methylamino, ethylamino, n-propylamino, i-propylamino, n-butylamino, i-butylamino, t-butylamino, and the like. It is selected from the scope of the indicated carbon atom number.

[0039] In the specification, the indication of “di(C_a-C_balkyl)amino” means amino groups, which both hydrogen atoms are substituted with the above-mentioned alkyl groups having carbon atom number of a to b that may be identical with or different from each other, and includes for example dimethylamino, ethyl(methyl)amino, diethylamino, n-propyl(methyl)amino, i-propyl(methyl)amino, di(n-propyl)amino, n-butyl(methyl)amino, i-butyl(methyl)amino, t-butyl(methyl)amino, and the like. It is selected from the scope of the indicated carbon atom number.

[0040] In the specification, the indication of “C_a-C_balkylcarbonyl” means alkyl-C(O)- groups wherein the alkyl has carbon atom number of a to b, and includes for example CH₃C(O)-, CH₃CH₂C(O)-, CH₃CH₂CH₂C(O)-, (CH₃)₂CHC(O)-, CH₃(CH₂)₃C(O)-, (CH₃)₂CHCH₂C(O)-, CH₃CH₂CH(CH₃)C(O)-, (CH₃)₃CC(O)-, CH₃(CH₂)₄C(O)-, CH₃(CH₂)₅C(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0041] In the specification, the indication of “C_a-C_bhaloalkylcarbonyl” means haloalkyl-C(O)- groups wherein the haloalkyl has carbon atom number of a to b, and includes for example FCH₂C(O)-, ClCH₂C(O)-, F₂CHC(O)-, Cl₂CHC(O)-, CF₃C(O)-, ClCF₂C(O)-, BrCF₂C(O)-, CCl₃C(O)-, CF₃CF₂C(O)-, ClCH₂CH₂CH₂C(O)-, CF₃CF₂CF₂C(O)-, ClCH₂C(CH₃)₂C(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0042] In the specification, the indication of “C_a-C_bcycloalkylcarbonyl” means cycloalkyl-C(O)- groups wherein the cycloalkyl has carbon atom number of a to b, and includes for example cyclopropyl-C(O)-, 1-methylcyclopropyl-C(O)-, 2-methylcyclopropyl-C(O)-, 2,2-dimethylcyclopropyl-C(O)-, 2,2,3,3-tetramethylcyclopropyl-C(O)-, cyclobutyl-C(O)-, cyclopentyl-C(O)-, cyclohexyl-C(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0043] In the specification, the indication of “C_a-C_bhalocycloalkylcarbonyl” means halocycloalkyl-C(O)- groups wherein the halocycloalkyl has carbon atom number of a to b, and includes for example 2,2-dichlorocyclopropyl-C(O)-, 2,2-dibromocyclopropyl-C(O)-, 2,2-difluoro-1-methylcyclopropyl-C(O)-, 2,2-dichloro-1-methylcyclopropyl-C(O)-, 2,2-dibromo-1-methylcyclopropyl-C(O)-, 2,2-dichloro-3,3-dimethylcyclopropyl-C(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0044] In the specification, the indication of “C_a-C_balkoxycarbonyl” means alkyl-O-C(O)- groups wherein the alkyl has carbon atom number of a to b, and includes for example CH₃OC(O)-, CH₃CH₂OC(O)-, CH₃CH₂CH₂OC(O)-, (CH₃)₂CHOC(O)-, CH₃(CH₂)₃OC(O)-, (CH₃)₂CHCH₂OC(O)-, (CH₃)₃COC(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0045] In the specification, the indication of “C_a-C_bhaloalkoxycarbonyl” means haloalkyl-O-C(O)- groups wherein the haloalkyl has carbon atom number of a to b, and includes for example ClCH₂CH₂OC(O)-, CF₃CH₂OC(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0046] In the specification, the indication of “C_a-C_balkylthiocarbonyl” means alkyl-S-C(O)- groups wherein the alkyl has carbon atom number of a to b, and includes for example CH₃SC(O)-, CH₃CH₂SC(O)-, CH₃CH₂CH₂SC(O)-, (CH₃)₂CHSC(O)-, CH₃(CH₂)₃SC(O)-, (CH₃)₂CHCH₂SC(O)-, (CH₃)₃CSC(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0047] In the specification, the indication of “C_a-C_balkoxythiocarbonyl” means alkyl-O-C(S)- groups wherein the alkyl has carbon atom number of a to b, and includes for example CH₃OC(S)-, CH₃CH₂OC(S)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0048] In the specification, the indication of “C_a-C_balkyldithiocarbonyl” means alkyl-S-C(S)- groups wherein the alkyl has carbon atom number of a to b, and includes for example CH₃SC(S)-, CH₃CH₂SC(S)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0049] In the specification, the indication of “C_a-C_balkylaminocarbonyl” means carbamoyl groups, which either hydrogen atom is substituted with the above-mentioned alkyl group having carbon atom number of a to b, and includes for example CH₃NHC(O)-, CH₃CH₂NHC(O)-, CH₃CH₂CH₂NHC(O)-, (CH₃)₂CHNHC(O)-, CH₃(CH₂)₃NHC(O)-, (CH₃)₂CHCH₂NHC(O)-, CH₃CH₂CH(CH₃)NHC(O)-, (CH₃)₃CNHC(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0050] In the specification, the indication of “C_a-C_bcycloalkylaminocarbonyl” means carbamoyl groups, which either hydrogen atom is substituted with the above-mentioned cycloalkyl group having carbon atom number of a to b, and includes for example cyclopropyl-NHC(O)-, cyclobutyl-NHC(O)-, cyclopentyl-NHC(O)-, cyclohexyl-NHC(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0051] In the specification, the indication of “di(C_a-C_balkyl)aminocarbonyl” means carbamoyl groups, which both hydrogen atoms are substituted with the above-mentioned alkyl group having carbon atom number of a to b that may be identical with or different from each other, and includes for example (CH₃)₂NC(O)-, CH₃CH₂N(CH₃)C(O)-, (CH₃CH₂)₂NC(O)-, (CH₃CH₂CH₂)₂NC(O)-, (CH₃CH₂CH₂CH₂)₂NC(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0052] In the specification, the indication of “C_a-C_balkylaminothiocarbonyl” means thiocarbamoyl groups, which either hydrogen atom is substituted with the above-mentioned alkyl group having carbon atom number of a to b, and includes for example CH₃NHC(S)-, CH₃CH₂NHC(S)-, CH₃CH₂CH₂NHC(S)-, (CH₃)₂CHNHC(S)-, CH₃(CH₂)₃NHC(S)-, (CH₃)₂CHCH₂NHC(S)-, CH₃CH₂CH(CH₃)NHC(S)-, (CH₃)₃CNHC(S)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0053] In the specification, the indication of “di(C_a-C_balkyl)aminothiocarbonyl” means thiocarbamoyl groups, which both hydrogen atoms are substituted with the above-mentioned alkyl group having carbon atom number of a to b that may be identical with or different from each other, and includes for example (CH₃)₂NC(S)-, CH₃CH₂N(CH₃)C(S)-, (CH₃CH₂)₂NC(S)-, (CH₃CH₂CH₂)₂NC(S)-, (CH₃CH₂CH₂CH₂)₂NC(S)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0054] In the specification, the indication of “C_a-C_balkylaminosulfonyl” means sulfamoyl groups, which either hydrogen atom is substituted with the above-mentioned alkyl group having carbon atom number of a to b, and includes for example CH₃NHSO₂-, CH₃CH₂NHSO₂-, CH₃CH₂CH₂NHSO₂-, (CH₃)₂CHNHSO₂-, CH₃(CH₂)₃NHSO₂-, (CH₃)₂CHCH₂NHSO₂-, CH₃CH₂CH(CH₃)NHSO₂-, (CH₃)₃CNHSO₂-, and the like. It is selected from the scope of the indicated carbon atom number.

[0055] In the specification, the indication of “di(C_a-C_balkyl)aminosulfonyl” means sulfamoyl groups, which both hydrogen atoms are substituted with the above-mentioned alkyl group having carbon atom number of a to b that may be identical with or different from each other, and includes for example (CH₃)₂NSO₂-, CH₃CH₂N(CH₃)SO₂-, (CH₃CH₂)₂NSO₂-, (CH₃CH₂CH₂)₂NSO₂-, (CH₃CH₂CH₂CH₂)₂NSO₂-, and the like. It is selected from the scope of the indicated carbon atom number.

[0056] In the specification, the indication of “di(C_a-C_balkyl)phosphoryl” means

phosphoryl groups, which both hydrogen atoms are substituted with the above-mentioned alkyl group having carbon atom number of a to b that may be identical with or different from each other, and includes for example $(\text{CH}_3\text{O})_2\text{P}(\text{O})-$, $(\text{CH}_3\text{CH}_2\text{O})_2\text{P}(\text{O})-$, and the like. It is selected from the scope of the indicated carbon atom number.

[0057] In the specification, the indication of “di(C_a - C_b alkyl)thiophosphoryl” means thiophosphoryl groups, which both hydrogen atoms are substituted with the above-mentioned alkyl group having carbon atom number of a to b that may be identical with or different from each other, and includes for example $(\text{CH}_3\text{O})_2\text{P}(\text{S})-$, $(\text{CH}_3\text{CH}_2\text{O})_2\text{P}(\text{S})-$, and the like. It is selected from the scope of the indicated carbon atom number.

[0058] In the specification, the indication of “tri(C_a - C_b alkyl)silyl” means silyl groups substituted with the above-mentioned alkyl group having carbon atom number of a to b that may be identical with or different from each other, and includes for example trimethylsilyl, triethylsilyl, tri(n-propyl)silyl, ethyldimethylsilyl, n-propyldimethylsilyl, n-butyldimethylsilyl, i-butyldimethylsilyl, t-butyldimethylsilyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0059] In the specification, the indication of “ C_a - C_b alkylcarbonyloxy” means alkylcarbonyl-O- groups wherein the alkyl has carbon atom number of a to b, and includes for example $\text{CH}_3\text{C}(\text{O})-\text{O}-$, $\text{CH}_3\text{CH}_2\text{C}(\text{O})-\text{O}-$, $\text{CH}_3\text{CH}_2\text{CH}_2\text{C}(\text{O})-\text{O}-$, $(\text{CH}_3)_2\text{CHC}(\text{O})-\text{O}-$, $\text{CH}_3(\text{CH}_2)_3\text{C}(\text{O})-\text{O}-$, $(\text{CH}_3)_2\text{CHCH}_2\text{C}(\text{O})-\text{O}-$, $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{C}(\text{O})-\text{O}-$, $(\text{CH}_3)_3\text{CC}(\text{O})-\text{O}-$, and the like. It is selected from the scope of the indicated carbon atom number.

[0060] In the specification, the indication of “ C_a - C_b alkylsulfonyloxy” means alkylsulfonyl-O- groups wherein the alkyl has carbon atom number of a to b, and includes for example $\text{CH}_3\text{SO}_2-\text{O}-$, $\text{CH}_3\text{CH}_2\text{SO}_2-\text{O}-$, $\text{CH}_3\text{CH}_2\text{CH}_2\text{SO}_2-\text{O}-$, $(\text{CH}_3)_2\text{CHSO}_2-\text{O}-$, and the like. It is selected from the scope of the indicated carbon atom number.

[0061] In the specification, the indication of “ C_a - C_b haloalkylsulfonyloxy” means haloalkylsulfonyl-O- groups wherein the haloalkyl has carbon atom number of a to b, and includes for example difluoromethanesulfonyl-O-, trifluoromethanesulfonyl-O-, chlorodifluoromethanesulfonyl-O-, bromodifluoromethanesulfonyl-O-, and the like. It is selected from the scope of the indicated carbon atom number.

[0062] In the specification, the indication of “ C_a - C_b cycloalkyl C_d - C_e alkyl”, “ C_a - C_b halocycloalkyl C_d - C_e alkyl”, “ C_a - C_b alkoxy C_d - C_e alkyl”, “ C_a - C_b haloalkoxy C_d - C_e alkyl”,

“benzyloxy C_d-C_ealkyl”, “C_a-C_balkylthio C_d-C_ealkyl”, “C_a-C_bhaloalkylthio C_d-C_ealkyl”, “phenylthio C_d-C_ealkyl”, “phenylthio C_d-C_ealkyl substituted with (Z)_{p1}”, “C_a-C_balkylsulfinyl C_d-C_ealkyl”, “C_a-C_bhaloalkylsulfinyl C_d-C_ealkyl”, “C_a-C_balkylsulfonyl C_d-C_ealkyl”, “C_a-C_bhaloalkylsulfonyl C_d-C_ealkyl”, “C_a-C_balkylcarbonyl C_d-C_ealkyl”, “C_a-C_bhaloalkylcarbonyl C_d-C_ealkyl”, “C_a-C_balkoxycarbonyl C_d-C_ealkyl”, “C_a-C_bhaloalkoxycarbonyl C_d-C_ealkyl”, “C_a-C_balkylaminocarbonyl C_d-C_ealkyl”, “di(C_a-C_balkyl) aminocarbonyl C_d-C_ealkyl”, “tri(C_a-C_balkyl) silyl C_d-C_ealkyl”, “phenyl C_d-C_ealkyl”, “phenyl C_d-C_ealkyl substituted with (Z)_{p1}”, “C_d-C_ealkyl substituted with any one of D-1 to D-60” or “C_d-C_ealkyl substituted with any one of E-1 to E-49” means straight-chain or branched-chain hydrocarbon groups having carbon atom number of d to e, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with the C_a-C_bcycloalkyl, C_a-C_bhalocycloalkyl, C_a-C_balkoxy, C_a-C_bhaloalkoxy, benzyloxy, C_a-C_balkylthio, C_a-C_bhaloalkylthio, phenylthio, phenylthio substituted with (Z)_{p1}, C_a-C_balkylsulfinyl, C_a-C_bhaloalkylsulfinyl, C_a-C_balkylsulfonyl, C_a-C_bhaloalkylsulfonyl, C_a-C_balkylcarbonyl, C_a-C_bhaloalkylcarbonyl, C_a-C_balkoxycarbonyl, C_a-C_bhaloalkoxycarbonyl, C_a-C_balkylaminocarbonyl, di(C_a-C_balkyl) aminocarbonyl, tri(C_a-C_balkyl) silyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49 that has the meaning mentioned above, respectively. It is selected from the scope of the indicated carbon atom number.

[0063] In the specification, the indication of “C_a-C_balkyl arbitrarily substituted with R⁴”, “C_a-C_balkyl arbitrarily substituted with R¹⁶”, “C_a-C_balkyl arbitrarily substituted with R²⁴” or “C_a-C_balkyl arbitrarily substituted with R³²” means straight-chain or branched-chain hydrocarbon groups having carbon atom number of d to e, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with R⁴, R¹⁶, R²⁴ or R³². It is selected from the scope of the indicated carbon atom number. In this case, when two or more substituents R⁴, R¹⁶, R²⁴ or R³² are present on the C_a-C_balkyl, respective R⁴, R¹⁶, R²⁴ or R³² may be identical with or different from each other.

[0064] In the specification, the indication of “C_a-C_bhaloalkoxy C_d-C_ehaloalkyl” means the haloalkyl having carbon atom number of d to e, which a hydrogen atom (hydrogen atoms) or a halogen atom (halogen atoms) bonded to carbon atom is (are) arbitrarily substituted with the C_a-C_bhaloalkoxy, and includes for example 2,2,2-trifluoro-1-(2,2,2-trifluoroethoxy)-1-(trifluoromethyl)ethyl, 3(1,2-dichloro-1,2,2-trifluoroethoxy)-1,1,2,2,3,3-hexafluoropropyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0065] In the specification, the indication of “C_a-C_balkenyl C_d-C_ecycloalkyl” or “C_a-C_bhaloalkenyl C_d-C_ecycloalkyl” means the cycloalkyl having carbon atom number of d to e, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with C_a-C_balkenyl or C_a-C_bhaloalkenyl, and includes for example 2-vinylcyclopropyl, 3,3-dimethyl-2-(2-methyl-1-propenyl)cyclopropyl, 2-(2,2-dichloroethenyl)-3,3-dimethylcyclopropyl, 2-(2-chloro-3,3,3-trifluoro-1-propenyl)-3,3-dimethylcyclopropyl, 2-allylcyclopentyl, and the like. It is selected from the scope of the indicated carbon atom number.

[0066] In the specification, the indication of “C_a-C_bcycloalkyl arbitrarily substituted with R⁴”, “C_a-C_bcycloalkyl arbitrarily substituted with R¹⁶”, “C_a-C_bcycloalkyl arbitrarily substituted with R²⁴” or “C_a-C_bcycloalkyl arbitrarily substituted with R³²” means the cycloalkyl groups having carbon atom number of a to b, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with R⁴, R¹⁶, R²⁴ or R³². The substitution for R⁴, R¹⁶, R²⁴ or R³² may be in the ring structure moiety, the side chain moiety or both of them. In this case, when two or more substituents R⁴, R¹⁶, R²⁴ or R³² are present on the C_a-C_bcycloalkyl, respective R⁴, R¹⁶, R²⁴ or R³² may be identical with or different from each other.

[0067] In the specification, the indication of “phenyl C_a-C_balkenyl” or “phenyl C_a-C_balkenyl substituted with (Z)_{p1}” means the alkenyl having carbon atom number of a to b, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted phenyl or phenyl substituted with (Z)_{p1}. It is selected from the scope of the indicated carbon atom number.

[0068] In the specification, the indication of “C_a-C_balkenyl arbitrarily substituted with R⁴”, “C_a-C_balkenyl arbitrarily substituted with R¹⁶”, “C_a-C_balkenyl arbitrarily substituted with R²⁴” or “C_a-C_balkenyl arbitrarily substituted with R³²” means the alkenyl groups having carbon atom number of a to b, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with R⁴, R¹⁶, R²⁴ or R³². It is selected from the scope of the indicated carbon atom number. In this case, when two or more substituents R⁴, R¹⁶, R²⁴ or R³² are present on the C_a-C_balkenyl, respective R⁴, R¹⁶, R²⁴ or R³² may be identical with or different from each other.

[0069] In the specification, the indication of “phenyl C_a-C_balkynyl” or “phenyl C_a-C_balkynyl substituted with (Z)_{p1}” means the alkynyl having carbon atom number of a to b, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted phenyl or phenyl substituted with (Z)_{p1}. It is selected from the

scope of the indicated carbon atom number.

[0070] In the specification, the indication of “C_a-C_balkynyl arbitrarily substituted with R⁴”, “C_a-C_balkynyl arbitrarily substituted with R¹⁶”, “C_a-C_balkynyl arbitrarily substituted with R²⁴” or “C_a-C_balkynyl arbitrarily substituted with R³²” means the alkynyl groups having carbon atom number of a to b, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted with R⁴, R¹⁶, R²⁴ or R³². It is selected from the scope of the indicated carbon atom number. In this case, when two or more substituents R⁴, R¹⁶, R²⁴ or R³² are present on the C_a-C_balkenyl, respective R⁴, R¹⁶, R²⁴ or R³² may be identical with or different from each other.

[0071] In the specification, the indication of “phenyl C_a-C_balkoxy” or “phenyl C_a-C_balkoxy substituted with (Z)_{p1}” means the C_a-C_balkoxy, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted phenyl or phenyl substituted with (Z)_{p1}. The concrete examples of C_a-C_balkoxy are for example -CH₂O-, -CH(CH₃)O-, -C(CH₃)₂O-, -CH₂CH₂O-, -CH(CH₃)CH₂O-, -C(CH₃)₂CH₂O-, and the like. It is selected from the scope of the indicated carbon atom number.

[0072] In the specification, the indication of “phenyl C_a-C_balkylcarbonyl” or “phenyl C_a-C_balkylcarbonyl substituted with (Z)_{p1}” means the C_a-C_balkylcarbonyl, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted phenyl or phenyl substituted with (Z)_{p1}. The concrete examples of C_a-C_balkylcarbonyl are for example -CH₂C(O)-, -CH(CH₃)C(O)-, -C(CH₃)₂C(O)-, -CH₂CH₂C(O)-, -CH(CH₃)CH₂C(O)-, -C(CH₃)₂CH₂C(O)-, -CH₂CH(CH₃)C(O)-, -CH₂C(CH₃)₂C(O)-, -CH₂CH₂CH₂C(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0073] In the specification, the indication of “phenyl C_a-C_balkoxycarbonyl” or “phenyl C_a-C_balkoxycarbonyl substituted with (Z)_{p1}” means the C_a-C_balkoxycarbonyl, which a hydrogen atom (hydrogen atoms) bonded to carbon atom is (are) arbitrarily substituted phenyl or phenyl substituted with (Z)_{p1}. The concrete examples of C_a-C_balkoxycarbonyl are for example -CH₂O-C(O)-, -CH(CH₃)O-C(O)-, -C(CH₃)₂O-C(O)-, -CH₂CH₂O-C(O)-, -CH(CH₃)CH₂O-C(O)-, -C(CH₃)₂CH₂O-C(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0074] In the specification, the indication of “phenyl C_a-C_balkylaminocarbonyl” or “phenyl C_a-C_balkylaminocarbonyl substituted with (Z)_{p1}” means the C_a-C_balkylaminocarbonyl, which a hydrogen atom (hydrogen atoms) bonded to

carbon atom is (are) arbitrarily substituted phenyl or phenyl substituted with (Z)_{p1}. The concrete examples of C_a-C_balkylaminocarbonyl are for example -CH₂NH-C(O)-, -CH(CH₃)NH-C(O)-, -C(CH₃)₂NH-C(O)-, -CH₂CH₂NH-C(O)-, -CH(CH₃)CH₂NH-C(O)-, C(CH₃)₂CH₂NH-C(O)-, and the like. It is selected from the scope of the indicated carbon atom number.

[0075] In the specification, concrete examples of the indication of “R¹ and R² together may form 3- to 8-membered ring together with the nitrogen atom bonding them by forming C₂ to C₇ alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom”,

“R¹⁰ together with R⁹ may form 3- to 7-membered ring with the nitrogen atom bonding them by forming C₂-C₆alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom”,

“R¹⁸ together with R¹⁷ may form 5- to 8-membered ring with the nitrogen atom bonding them by forming C₄-C₇alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom”,

“R²⁶ together with R²⁵ may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C₂-C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom”,

“R²⁹ together with R²⁸ may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C₂-C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom”,

“R³⁴ together with R³³ may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C₂-C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom”,

are for example aziridine, azetidine, pyrrolidine, oxazolidine, thiazolidine, imidazolidine, piperidine, morpholine, thiomorpholine, piperazine, homopiperidine, heptamethyleneimine, and the like. It is selected from the scope of the indicated carbon atom number.

[0076] In the specification, concrete examples of the indication of “R⁷ together with R⁶ may form 3- to 7-membered ring with the nitrogen atom bonding them by forming C₂-C₆alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom” are for example aziridine, azetidine, azetidin-2-one, pyrrolidine, pyrrolidin-2-one, oxazolidine, oxazolidin-2-one, thiazolidine, thiazolidin-2-one, imidazolidine, imidazolidin-2-one, piperidine, piperidin-2-one, morpholine, tetrahydro-1,3-oxazin-2-one, thiomorpholine,

tetrahydro-1,3-thiazin-2-one, piperazine, tetrahydropyrimidin-2-one, homopiperidine, homopiperidin-2-one, and the like. It is selected from the scope of the indicated carbon atom number.

[0077] In the specification, concrete examples of the indication of "R¹¹ together with R⁹ may form 5- to 7-membered ring with the nitrogen atom bonding them by forming C₂-C₄alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom" are for example isoxazoline, oxazoline, thiazoline, imidazoline, 1,4,2-dioxazoline, 1,4,2-oxathiazoline, 1,2,4-oxadiazoline, dihydro-1,2-oxadine, dihydro-1,3-oxadine, dihydro-1,3-thiazine, 3,4,5,6-tetrahydropyrimidine, dihydro-1,4,2-dioxadine, dihydro-1,4,2-oxathiazine, dihydro-4H-1,2,4-oxadiazine, tetrahydro-1,2-oxazepine, and the like. It is selected from the scope of the indicated carbon atom number.

[0078] In the specification, concrete examples of the indication of "R³¹ together with R³⁰ may form 5- to 7-membered ring with the nitrogen atom bonding them by forming C₂-C₄alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom" are for example oxazoline, thiazoline, imidazoline, dihydro-1,3-oxazine, dihydro-1,3-thiazine, 3,4,5,6-tetrahydropyrimidine, dihydro-1,4,2-dioxadine, and the like. It is selected from the scope of the indicated carbon atom number.

[0079] In the compounds included in the present invention, the combination of the atoms of A¹, A² and A³ includes for example the following groups.

That is, A-I: A¹, A² and A³ are carbon atoms.

A-II: A¹ is nitrogen atom, A² and A³ are carbon atoms.

A-III: A² is nitrogen atom, A¹ and A³ are carbon atoms.

A-IV: A¹ and A³ are nitrogen atom, A² is carbon atom.

A-V: A² and A³ are nitrogen atom, A¹ is carbon atom.

[0080] In the compounds included in the present invention, the substituent G includes for example aromatic 6-membered rings shown in any one of G-1 to G-10 and aromatic 5-membered rings shown in any one of G-11 to G-25. Among them, aromatic 6-membered rings shown in G-1, G-3 and G-4 and aromatic 5-membered rings shown in any one of G-13, G-14, G-17, G-18, G-20, G-21 and G-22 are preferable, and aromatic 6-membered ring shown in G-1 is particularly preferable.

[0081] In the compounds included in the present invention, the substituent W includes for example oxygen atom or sulfur atom.

[0082] In the compounds included in the present invention, the substituent X

includes for example the following groups. In each case mentioned below, when m is an integer of 2 or more, Xs may be identical with or different from each other.

That is, X-I: halogen atom and C₁-C₆haloalkyl.

X-II: halogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxy, C₁-C₆alkylsulfonyloxy, C₁-C₆alkylthio, C₁-C₆alkylsulfinyl and C₁-C₆alkylsulfonyl.

X-III: halogen atom, C₁-C₆haloalkyl, C₁-C₆haloalkoxy, C₁-C₃haloalkoxy C₁-C₃haloalkoxy, C₁-C₆haloalkylsulfonyloxy, C₁-C₆haloalkylthio, C₁-C₆haloalkylsulfinyl and C₁-C₆haloalkylsulfonyl.

X-IV: halogen atom, C₁-C₆haloalkyl, cyano, nitro, -SF₅ and -Si(R¹³)(R¹⁴)R¹² wherein R¹² is C₁-C₆alkyl, phenyl or phenyl substituted with (Z)_{p1}, R¹³ and R¹⁴ independently of each other are C₁-C₆alkyl.

X-V: halogen atom and C₁-C₆alkyl arbitrarily substituted with R⁴ wherein R⁴ is halogen atom, cyano, -OH, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl or tri(C₁-C₆alkyl)silyl.

X-VI: halogen atom, C₁-C₆haloalkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₂-C₆alkynyl, C₂-C₆haloalkynyl, E-10, E-12, E-18, E-32, E-35 and E-43.

X-VII: halogen atom, C₁-C₆haloalkyl, -OR⁵, -OSO₂R⁵ and -S(O)_rR⁵ wherein R⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₃haloalkoxy C₁-C₃haloalkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, E-4 to E-9, E-23 to E-27 or E-28, r is an integer of 0 to 2.

X-VIII: halogen atom, C₁-C₆haloalkyl, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -CH=NOR¹¹ and -C(R⁹)=NOR¹¹ wherein R⁹ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₈cycloalkyl or C₃-C₈halocycloalkyl, R¹⁰ is hydrogen atom or C₁-C₆alkyl, or R¹⁰ together with R⁹ may form 5- or 6-membered ring with the nitrogen atom bonding them by forming C₄-C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom, R¹¹ is C₁-C₆alkyl or C₁-C₆haloalkyl, or R¹¹ together with R⁹ may form 5- or 6-membered ring with the atom bonding them by forming C₂-C₃alkylene chain, in this case, the alkylene chain may be arbitrarily substituted with C₁-C₆alkyl.

X-IX: m is 2, two adjacent Xs form 5- or 6-membered ring with the carbon atom bonding them by forming -CF₂OCF₂-, -OCF₂O-, -CF₂OCF₂O- or -OCF₂CF₂O-.

[0083] In the compounds included in the present invention, m indicating the number of substituent X is an integer of 0 to 5. Among them, m is preferably 1, 2

and 3.

[0084] In the compounds included in the present invention, the substituent Y includes for example the following groups. In each case mentioned below, when n is an integer of 2 or more, Ys may be identical with or different from each other.

That is, Y-I: halogen atom, C₁-C₆alkyl and C₁-C₆haloalkyl.

Y-II: halogen atom, C₁-C₆alkyl, cyano, nitro, -C(O)NH₂ and -C(S)NH₂.

Y-III: halogen atom, C₁-C₆alkyl and C₁-C₆alkyl arbitrarily substituted with C₁-C₆alkyl and R⁴ wherein R⁴ is halogen atom, cyano, -OH, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl or tri(C₁-C₆alkyl)silyl.

Y-IV: halogen atom, C₁-C₆alkyl, -OR⁵, -OSO₂R⁵ and -S(O)_rR⁵ wherein R⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₃haloalkoxy C₁-C₃haloalkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, E-4 to E-9, E-23 to E-27 or E-28, r is an integer of 0 to 2.

Y-V: halogen atom, C₁-C₆alkyl, -NHR⁷, -N(R⁷)R⁶ wherein R⁶ is C₁-C₆alkyl, C₁-C₆haloalkyl, -S(O)₂R⁹, -CHO, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹ or -C(S)SR⁹, R⁷ is hydrogen atom, C₁-C₆alkyl or C₁-C₆haloalkyl, R⁹ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₈cycloalkyl or C₃-C₈halocycloalkyl and -N=C(R⁹)OR⁸ wherein R⁸ is C₁-C₆alkyl, R⁹ is C₁-C₆alkyl or C₁-C₆haloalkyl.

Y-VI: halogen atom, nitro, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkylthio, C₁-C₆alkylamino and di(C₁-C₆alkyl)amino.

[0085] In the compounds included in the present invention, n indicating the number of substituent Y is an integer of 0 to 4. Among them, n is preferably 0 and 1.

[0086] In the compounds included in the present invention, the substituent R¹ includes for example the following groups.

That is, R¹-I: C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R¹⁶ (wherein R¹⁶ is halogen atom, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-38, D-47 to D-55, E-4 to E-12, E-18, E-19, E-32, E-35, E-43, M-2, M-3, M-5, M-8, M-9 or M-10), C₃-C₈cycloalkyl and C₃-C₈halocycloalkyl.

R¹-II: C₁-C₆alkyl arbitrarily substituted with -OR²⁵ wherein R²⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkylcarbonyl, C₁-C₆alkoxycarbonyl, C₁-C₆alkylaminocarbonyl, di(C₁-C₆alkyl)aminocarbonyl or C₁-C₆alkylsulfonyl.

R¹-III: C₁-C₆alkyl arbitrarily substituted with -N(R²⁶)R²⁵ wherein R²⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkylcarbonyl, C₁-C₆alkoxycarbonyl, C₁-C₆alkylaminocarbonyl,

di(C₁-C₆alkyl)aminocarbonyl or C₁-C₆alkylsulfonyl, R²⁶ is hydrogen or C₁-C₆alkyl.

R¹-IV: C₁-C₆alkyl arbitrarily substituted with -S(O)_rR²⁷ wherein R²⁷ is C₁-C₆alkyl, C₁-C₆haloalkyl or tri(C₁-C₄alkyl)silyl C₁-C₄alkyl, r is an integer of 0 to 2.

R¹-V: C₁-C₆alkyl arbitrarily substituted with R¹⁶ wherein R¹⁶ is cyano, -C(O)R²⁸, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(O)N(R²⁹)OR²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, -SO₂NHR²⁹, -SO₂N(R²⁹)R²⁸, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, -C(=NR³¹)OR³⁰ or -C(=NR³¹)SR³⁰, R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, phenyl or phenyl substituted with (Z)_{p1}, R²⁹ is hydrogen atom, C₁-C₆alkyl, C₃-C₆alkenyl or C₃-C₆alkynyl, R³⁰ is C₁-C₆alkyl or C₃-C₆cycloalkyl C₁-C₄alkyl, R³¹ is hydrogen atom or C₁-C₆alkyl, or R³¹ together with R³⁰ may form 5- or 6-membered ring with the atom bonding them by forming C₂-C₃alkylene chain.

R¹-VI: C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, phenyl substituted with (Z)_{p1}, D-8, D-10, D-11, D-13, D-15, D-17, D-18, D-21 to D-23, D-26, D-27, D-29 to D-37, D-39, D-40, D-42, D-45, D-47, D-48, D-50, D-51, D-53, D-54, D-56, D-58, E-5, E-7 and E-9.

R¹-VII: -N(R²⁰)R¹⁹ wherein R¹⁹ is C₁-C₆haloalkyl, C₃-C₆cycloalkyl, -C(O)R²⁸, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, phenyl, phenyl substituted with (Z)_{p1}, D-3, D-4, D-21, D-47, D-50, D-51, D-53 or D-54, R²⁰ is hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆alkenyl, C₃-C₆alkynyl, -CHO, C₁-C₆alkylcarbonyl, C₁-C₆alkoxycarbonyl or C₁-C₆alkylsulfonyl, R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, phenyl or phenyl substituted with (Z)_{p1}, R²⁹ is hydrogen atom, C₁-C₆alkyl, C₃-C₆alkenyl or C₃-C₆alkynyl.

R¹-VIII: C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkyl arbitrarily substituted with R¹⁶ (wherein R¹⁶ is cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, C₁-C₆alkylcarbonyl, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NH₂, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-38, D-47 to D-55, E-4 to E-7, E-10, E-11 or E-32, R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-

C₈alkenyl or C₃-C₈alkynyl, R²⁹ is hydrogen atom or C₁-C₆alkyl, R³⁰ is C₁-C₆alkyl, R³¹ is hydrogen or C₁-C₆alkyl), C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, -N(R²⁰)R¹⁹ (wherein R¹⁹ is C₁-C₆haloalkyl, -C(O)R²⁸, -C(O)OR²⁸, phenyl, phenyl substituted with (Z)_{p1}, D-3, D-4, D-21, D-47, D-50, D-51, D-53 or D-54, R²⁰ is hydrogen atom or C₁-C₆alkyl, R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-C₈alkenyl or C₃-C₈alkynyl), phenyl substituted with (Z)_{p1}, D-8, D-10, D-13, D-15, D-18, D-21, D-34, D-35, D-50 and D-51.

R¹-IX: C₁-C₆haloalkyl, C₁-C₆alkyl arbitrarily substituted with R¹⁶ (wherein R¹⁶ is cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, C₁-C₆alkylcarbonyl, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NH₂, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-38, D-47 to D-55, E-4 to E-7, E-10, E-11 or E-32, R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-C₈alkenyl or C₃-C₈alkynyl, R²⁹ is hydrogen atom or C₁-C₆alkyl, R³⁰ is C₁-C₆alkyl, R³¹ is hydrogen or C₁-C₆alkyl), C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, -N(R²⁰)R¹⁹ (wherein R¹⁹ is C₁-C₆haloalkyl, -C(O)R²⁸, -C(O)OR²⁸, phenyl, phenyl substituted with (Z)_{p1}, D-3, D-4, D-21, D-47, D-50, D-51, D-53 or D-54, R²⁰ is hydrogen atom or C₁-C₆alkyl, R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-C₈alkenyl or C₃-C₈alkynyl), phenyl substituted with (Z)_{p1}, D-8, D-10, D-13, D-15, D-18, D-21, D-34, D-35, D-50 and D-51.

R¹-X: C₁-C₈haloalkyl, C₁-C₆alkyl arbitrarily substituted with R¹⁶ (wherein R¹⁶ is C₃-C₆cycloalkyl, C₁-C₆alkoxy, C₁-C₆alkylthio, C₁-C₆alkylsulfinyl, C₁-C₆alkylsulfonyl, -C(O)NH₂, -C(O)NHR²⁸, -C(S)NH₂, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, D-1 to D-4, D-8 to D-38, D-47 to D-54, E-4 to E-7, E-10, E-11 or E-32, R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl, C₃-C₈alkenyl or C₃-C₈alkynyl, R³⁰ is C₁-C₆alkyl, R³¹ is hydrogen or C₁-C₆alkyl), C₃-C₆cycloalkyl, C₃-C₈alkenyl, C₃-C₈haloalkenyl, C₃-C₈alkynyl, -N(R²⁰)R¹⁹ (wherein R¹⁹ is C₁-C₆haloalkyl, -C(O)R²⁸, -C(O)OR²⁸, phenyl, D-3, D-4, D-21, D-47, D-50, D-51, D-53 or D-54, R²⁰ is hydrogen atom or C₁-C₆alkyl, R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-C₈alkenyl or C₃-C₈alkynyl), D-8, D-10, D-13, D-15, D-18, D-21, D-34, D-35, D-50 and D-51.

R¹-XI: C₁-C₆alkyl and phenyl C₁-C₆alkyl.

R¹-XII: C₁-C₈alkyl, C₁-C₈alkyl arbitrarily substituted with R¹⁶ (wherein R¹⁶ is halogen atom, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-42, D-47 to D-55, E-4 to E-12, E-14, E-16 to E-19, E-21 to E-23, E-

26 to E-35, E-40 to E-45, E-48, M-2, M-3, M-5, M-8 to M-10, M-14, M-15 or M-16), C₃-C₈cycloalkyl and C₃-C₈halocycloalkyl.

R¹-XIII: C₁-C₈alkyl arbitrarily substituted with -OR²⁵ wherein R²⁵ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, -C(O)R³³, -C(O)OR³³, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, -C(S)NHR³⁴, -C(S)N(R³⁴)R³³, -S(O)₂R³³, -S(O)₂N(R³⁴)R³³, di(C₁-C₆alkyl)thiophosphoryl, phenyl or phenyl substituted with (Z)_{p1}, R³³ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆alkenyl, C₃-C₆alkynyl, phenyl or phenyl substituted with (Z)_{p1}, R³⁴ is hydrogen atom or C₁-C₆alkyl.

R¹-XIV : C₁-C₈alkyl arbitrarily substituted with -N(R²⁶)R²⁵ wherein R²⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, -C(O)R³³, -C(O)OR³³, -C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, -C(S)R³³, -C(S)OR³³, -C(S)SR³³, -C(S)NHR³⁴, -C(S)N(R³⁴)R³³, -S(O)₂R³³ or -S(O)₂N(R³⁴)R³³, R²⁶ is hydrogen atom or C₁-C₆alkyl, or R²⁶ together with R²⁵ may form 4- to 6-membered ring with the nitrogen atom bonding them by forming C₃-C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be substituted with C₁-C₆alkyl, oxo or thioxo, R³³ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆alkenyl, C₃-C₆alkynyl, phenyl or phenyl substituted with (Z)_{p1}, R³⁴ is hydrogen atom or C₁-C₆alkyl.

R¹-XV: C₁-C₈alkyl arbitrarily substituted with -S(O)_rR²⁷ wherein R²⁷ is C₁-C₆alkyl, C₁-C₆haloalkyl, tri(C₁-C₄alkyl)silyl C₁-C₄alkyl, C₁-C₆alkylthio, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, -C(S)NHR³⁴, -C(S)N(R³⁴)R³³, phenyl, phenyl substituted with (Z)_{p1}, D-47 or D-50, R³³ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆alkenyl, C₃-C₆alkynyl, phenyl or phenyl substituted with (Z)_{p1}, R³⁴ is hydrogen atom or C₁-C₆alkyl, r is an integer of 0 to 2.

R¹-XVI : C₁-C₈alkyl arbitrarily substituted with R¹⁶ wherein R¹⁶ is cyano, -SO₂NHR²⁹, -SO₂N(R²⁹)R²⁸, -CHO, -C(O)R²⁸, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, -C(=NR³¹)OR³⁰, -C(=NR³¹)SR³⁰, -C(=NR³¹)N(R³⁰)R²⁹, -C(=NOR³¹)NHR²⁹ or -C(=NOR³¹)N(R³⁰)R²⁹, R²⁸ is C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R³², C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkenyl, phenyl or phenyl substituted with (Z)_{p1}, R²⁹ is hydrogen atom, C₁-C₆alkyl, C₃-C₆alkenyl or C₃-C₆alkynyl, or R²⁹ together with R²⁸ may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C₂-C₅alkylene chain, in this

case, the alkylene chain may contain one oxygen atom or sulfur atom, R^{30} is C_1 - C_6 alkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_3 - C_8 alkenyl or C_3 - C_8 alkynyl, R^{31} is hydrogen atom or C_1 - C_6 alkyl, or R^{31} together with R^{30} may form 5- or 6-membered ring with the atom bonding them by forming C_2 - C_3 alkylene chain, in this case, the alkylene chain may be arbitrarily substituted with C_1 - C_6 alkyl, R^{32} is halogen atom, cyano, C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkoxy, C_1 - C_4 alkylthio, C_1 - C_4 haloalkylthio, C_1 - C_4 alkoxycarbonyl, $-C(O)NH_2$, C_1 - C_4 alkylaminocarbonyl, $di(C_1$ - C_4 alkyl)aminocarbonyl, phenyl or phenyl substituted with $(Z)_{p1}$.

R^1 -XVII: C_3 - C_8 alkenyl, C_3 - C_8 haloalkenyl, C_3 - C_8 alkynyl, C_3 - C_8 haloalkynyl, phenyl substituted with $(Z)_{p1}$, D-8 to D-13, D-15 to D-18, D-21 to D-23, D-26, D-27, D-29 to D-37, D-39, D-40, D-42, D-45 to D-58, E-5, E-7, E-9, E-24, E-25, E-27, E-28, E-30, E-31 and E-34.

R^1 -XVIII: $-N(R^{20})R^{19}$ wherein R^{19} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_6 alkyl, phenyl C_1 - C_6 alkyl, phenyl C_1 - C_6 alkyl substituted with $(Z)_{p1}$, C_3 - C_6 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, $-C(O)R^{28}$, $-C(O)OR^{28}$, $-C(O)NHR^{29}$, $-C(O)N(R^{29})R^{28}$, $-C(S)NHR^{29}$, $-C(S)N(R^{29})R^{28}$, C_1 - C_6 alkylsulfonyl, C_1 - C_6 haloalkylsulfonyl, phenylsulfonyl, phenylsulfonyl substituted with $(Z)_{p1}$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-4, D-18, D-21, D-25, D-30 to D-35, D-47 to D-55 or D-56, R^{20} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, $-CHO$, C_1 - C_6 alkylcarbonyl, C_1 - C_6 haloalkylcarbonyl, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 haloalkoxycarbonyl or C_1 - C_6 alkylsulfonyl, R^{28} is C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{32} , C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 haloalkynyl, phenyl or phenyl substituted with $(Z)_{p1}$, R^{29} is hydrogen atom, C_1 - C_6 alkyl, C_3 - C_6 alkenyl or C_3 - C_6 alkynyl, R^{29} together with R^{28} may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C_2 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom, R^{32} is hydrogen atom, cyano, C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkoxy, C_1 - C_4 alkylthio, C_1 - C_4 haloalkylthio, C_1 - C_4 alkoxycarbonyl, $-C(O)NH_2$, C_1 - C_4 alkylaminocarbonyl, $di(C_1$ - C_4 alkyl)aminocarbonyl, phenyl or phenyl substituted with $(Z)_{p1}$.

[0087] In the compounds included in the present invention, the substituent R^2 includes for example the following groups.

That is, R^2 -I: hydrogen atom.

R²-II: C₁-C₆alkyl, C₁-C₆haloalkyl and C₃-C₆cycloalkyl.

R²-III: C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl and cyano C₁-C₆alkyl.

R²-IV: C₃-C₆alkenyl and C₃-C₆alkynyl.

R²-V: -OH, C₁-C₆alkoxy, C₁-C₆alkylcarbonyloxy, C₁-C₆alkoxycarbonyloxy and C₁-C₆alkylsulfonyloxy.

R²-VI: C₁-C₆haloalkylthio, phenylthio, phenylthio substituted with (Z)_{p1} and -SN(R¹⁸)R¹⁷ wherein R¹⁷ is C₁-C₆alkyl, C₁-C₆alkoxycarbonyl C₁-C₄alkyl or C₁-C₆alkoxycarbonyl, R¹⁸ is C₁-C₆alkyl or benzyl.

R²-VII: -NHR²⁰ (wherein R²⁰ is hydrogen atom, C₁-C₆alkyl, -CHO, C₁-C₆alkylcarbonyl, C₁-C₆alkoxycarbonyl or C₁-C₆alkylsulfonyl), -N=CHR^{19b} and -N=C(R^{19b})R^{19a} wherein R^{19a} is C₁-C₆alkyl, R^{19b} is hydrogen atom or C₁-C₆alkyl.

R²-VIII: -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹, -C(S)SR⁹ (wherein R⁹ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl) and C₁-C₆alkylsulfonyl.

R²-IX: 3- to 7-membered ring that R² forms together with R¹ is aziridine, azetidine, pyrrolidine, oxazolidine, thiazolidine, piperidine, morpholine, thiomorpholine and homopiperidine.

R²-X: hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆alkynyl, -OH, C₁-C₆alkylcarbonyloxy, C₁-C₆alkylsulfonyloxy, -NH₂, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹ and -C(S)SR⁹ wherein R⁹ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₈cycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl.

R²-XI: hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆alkynyl, -C(O)R⁹ and -C(O)OR⁹ wherein R⁹ is C₁-C₆alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, C₃-C₈cycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl.

[0088] In the compounds included in the present invention, the substituent R³ includes for example the following groups.

That is, R³-I: C₁-C₆haloalkyl and C₃-C₈halocycloalkyl.

R³-II: C₁-C₆alkyl, C₃-C₈cycloalkyl, E-4 to E-7, E-23 to E-27 and E-28.

R³-III: C₁-C₄alkoxy C₁-C₄haloalkyl, C₁-C₄haloalkoxy C₁-C₄haloalkyl, C₁-C₄alkylthio C₁-C₄haloalkyl, C₁-C₄alkylsulfinyl C₁-C₄haloalkyl, C₁-C₄alkylsulfonyl C₁-C₄haloalkyl, C₁-C₄haloalkylthio C₁-C₄haloalkyl, C₁-C₄haloalkylsulfinyl C₁-C₄haloalkyl, C₁-C₄haloalkylsulfonyl C₁-C₄haloalkyl and cyano C₁-C₆haloalkyl.

R³-IV: C₃-C₆cycloalkyl C₁-C₄alkyl, C₃-C₆halocycloalkyl C₁-C₄alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄haloalkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄alkylsulfinyl C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, C₁-C₄haloalkylthio C₁-C₄alkyl, C₁-C₄haloalkylsulfinyl C₁-C₄alkyl, C₁-C₄haloalkylsulfonyl C₁-C₄alkyl and cyano C₁-C₆alkyl.

R³-V: C₁-C₆haloalkyl, C₁-C₄alkoxy C₁-C₄haloalkyl, C₁-C₄haloalkoxy C₁-C₄haloalkyl, C₁-C₄alkylthio C₁-C₄haloalkyl, C₁-C₄haloalkylthio C₁-C₄haloalkyl, cyano C₁-C₆haloalkyl and C₃-C₈halocycloalkyl.

R³-VI: C₁-C₆haloalkyl.

R³-VII: C₁-C₆alkyl arbitrarily substituted with two or more arbitrary halogen atoms.

[0089] Each group showing the scope of each substituent in the compounds included in the present invention can be arbitrarily combined one another, and all combination thereof falls within the scope of the present invention. Examples of the combination of the scope of X, Y and R¹ include for example the combination shown in Table 1. In the meantime, the combination of Table 1 is for illustrative purposes, and the present invention is not limited thereto.

Table 1

X	Y	R ¹
X-I	Y-I	R ¹ -I
X-I	Y-I	R ¹ -II
X-I	Y-I	R ¹ -III
X-I	Y-I	R ¹ -IV
X-I	Y-I	R ¹ -V
X-I	Y-I	R ¹ -VI
X-I	Y-I	R ¹ -VII
X-I	Y-I	R ¹ -VIII
X-I	Y-I	R ¹ -IX
X-I	Y-I	R ¹ -X
X-I	Y-I	R ¹ -XI
X-I	Y-II	R ¹ -I
X-I	Y-II	R ¹ -II
X-I	Y-II	R ¹ -III
X-I	Y-II	R ¹ -IV
X-I	Y-II	R ¹ -V
X-I	Y-II	R ¹ -VI
X-I	Y-II	R ¹ -VII
X-I	Y-II	R ¹ -VIII
X-I	Y-II	R ¹ -IX

Table 1 (continued)

X	Y	R ¹
X-III	Y-VI	R ¹ -II
X-III	Y-VI	R ¹ -III
X-III	Y-VI	R ¹ -IV
X-III	Y-VI	R ¹ -V
X-III	Y-VI	R ¹ -VI
X-III	Y-VI	R ¹ -VII
X-III	Y-VI	R ¹ -VIII
X-III	Y-VI	R ¹ -IX
X-III	Y-VI	R ¹ -X
X-III	Y-VI	R ¹ -XI
X-IV	Y-I	R ¹ -I
X-IV	Y-I	R ¹ -II
X-IV	Y-I	R ¹ -III
X-IV	Y-I	R ¹ -IV
X-IV	Y-I	R ¹ -V
X-IV	Y-I	R ¹ -VI
X-IV	Y-I	R ¹ -VII
X-IV	Y-I	R ¹ -VIII
X-IV	Y-I	R ¹ -IX
X-IV	Y-I	R ¹ -X

X-I	Y-II	R ¹ -X	X-IV	Y-I	R ¹ -XI
X-I	Y-II	R ¹ -XI	X-IV	Y-II	R ¹ -X
X-I	Y-III	R ¹ -I	X-IV	Y-III	R ¹ -X
X-I	Y-III	R ¹ -VII	X-IV	Y-IV	R ¹ -X
X-I	Y-III	R ¹ -VIII	X-IV	Y-V	R ¹ -X
X-I	Y-III	R ¹ -IX	X-IV	Y-VI	R ¹ -I
X-I	Y-III	R ¹ -X	X-IV	Y-VI	R ¹ -II
X-I	Y-IV	R ¹ -I	X-IV	Y-VI	R ¹ -III
X-I	Y-IV	R ¹ -II	X-IV	Y-VI	R ¹ -IV
X-I	Y-IV	R ¹ -III	X-IV	Y-VI	R ¹ -V
X-I	Y-IV	R ¹ -IV	X-IV	Y-VI	R ¹ -VI
X-I	Y-IV	R ¹ -V	X-IV	Y-VI	R ¹ -VII
X-I	Y-IV	R ¹ -VI	X-IV	Y-VI	R ¹ -VIII
X-I	Y-IV	R ¹ -VII	X-IV	Y-VI	R ¹ -IX
X-I	Y-IV	R ¹ -VIII	X-IV	Y-VI	R ¹ -X
X-I	Y-IV	R ¹ -IX	X-IV	Y-VI	R ¹ -XI
X-I	Y-IV	R ¹ -X	X-V	Y-I	R ¹ -I
X-I	Y-IV	R ¹ -XI	X-V	Y-I	R ¹ -VII
X-I	Y-V	R ¹ -I	X-V	Y-I	R ¹ -IX
X-I	Y-V	R ¹ -II	X-V	Y-I	R ¹ -X
X-I	Y-V	R ¹ -III	X-V	Y-II	R ¹ -X
X-I	Y-V	R ¹ -IV	X-V	Y-III	R ¹ -X
X-I	Y-V	R ¹ -V	X-V	Y-IV	R ¹ -X
X-I	Y-V	R ¹ -VI	X-V	Y-V	R ¹ -X
X-I	Y-V	R ¹ -VII	X-V	Y-VI	R ¹ -I
X-I	Y-V	R ¹ -VIII	X-V	Y-VI	R ¹ -VII
X-I	Y-V	R ¹ -IX	X-V	Y-VI	R ¹ -IX
X-I	Y-V	R ¹ -X	X-V	Y-VI	R ¹ -X
X-I	Y-V	R ¹ -XI	X-VI	Y-I	R ¹ -I
X-I	Y-VI	R ¹ -I	X-VI	Y-I	R ¹ -II
X-I	Y-VI	R ¹ -II	X-VI	Y-I	R ¹ -III
X-I	Y-VI	R ¹ -III	X-VI	Y-I	R ¹ -IV
X-I	Y-VI	R ¹ -IV	X-VI	Y-I	R ¹ -V
X-I	Y-VI	R ¹ -V	X-VI	Y-I	R ¹ -VI
X-I	Y-VI	R ¹ -VI	X-VI	Y-I	R ¹ -VII
X-I	Y-VI	R ¹ -VII	X-VI	Y-I	R ¹ -VIII
X-I	Y-VI	R ¹ -VIII	X-VI	Y-I	R ¹ -IX
X-I	Y-VI	R ¹ -IX	X-VI	Y-I	R ¹ -X
X-I	Y-VI	R ¹ -X	X-VI	Y-II	R ¹ -X
X-I	Y-VI	R ¹ -XI	X-VI	Y-III	R ¹ -X
X-II	Y-I	R ¹ -I	X-VI	Y-IV	R ¹ -X
X-II	Y-I	R ¹ -II	X-VI	Y-V	R ¹ -X
X-II	Y-I	R ¹ -III	X-VI	Y-VI	R ¹ -I
X-II	Y-I	R ¹ -IV	X-VI	Y-VI	R ¹ -II
X-II	Y-I	R ¹ -V	X-VI	Y-VI	R ¹ -III
X-II	Y-I	R ¹ -VI	X-VI	Y-VI	R ¹ -IV

X-II	Y-I	R ¹ -VII	X-VI	Y-VI	R ¹ -V
X-II	Y-I	R ¹ -VIII	X-VI	Y-VI	R ¹ -VI
X-II	Y-I	R ¹ -IX	X-VI	Y-VI	R ¹ -VII
X-II	Y-I	R ¹ -X	X-VI	Y-VI	R ¹ -VIII
X-II	Y-II	R ¹ -X	X-VI	Y-VI	R ¹ -IX
X-II	Y-III	R ¹ -X	X-VI	Y-VI	R ¹ -X
X-II	Y-IV	R ¹ -X	X-VII	Y-I	R ¹ -I
X-II	Y-V	R ¹ -X	X-VII	Y-I	R ¹ -II
X-II	Y-VI	R ¹ -I	X-VII	Y-I	R ¹ -III
X-II	Y-VI	R ¹ -II	X-VII	Y-I	R ¹ -IV
X-II	Y-VI	R ¹ -III	X-VII	Y-I	R ¹ -V
X-II	Y-VI	R ¹ -IV	X-VII	Y-I	R ¹ -VI
X-II	Y-VI	R ¹ -V	X-VII	Y-I	R ¹ -VII
X-II	Y-VI	R ¹ -VI	X-VII	Y-I	R ¹ -VIII
X-II	Y-VI	R ¹ -VII	X-VII	Y-I	R ¹ -IX
X-II	Y-VI	R ¹ -VIII	X-VII	Y-I	R ¹ -X
X-II	Y-VI	R ¹ -IX	X-VII	Y-II	R ¹ -X
X-II	Y-VI	R ¹ -X	X-VII	Y-III	R ¹ -X
X-III	Y-I	R ¹ -I	X-VII	Y-IV	R ¹ -X
X-III	Y-I	R ¹ -II	X-VII	Y-V	R ¹ -X
X-III	Y-I	R ¹ -III	X-VII	Y-VI	R ¹ -I
X-III	Y-I	R ¹ -IV	X-VII	Y-VI	R ¹ -II
X-III	Y-I	R ¹ -V	X-VII	Y-VI	R ¹ -III
X-III	Y-I	R ¹ -VI	X-VII	Y-VI	R ¹ -IV
X-III	Y-I	R ¹ -VII	X-VII	Y-VI	R ¹ -V
X-III	Y-I	R ¹ -VIII	X-VII	Y-VI	R ¹ -VI
X-III	Y-I	R ¹ -IX	X-VII	Y-VI	R ¹ -VII
X-III	Y-I	R ¹ -X	X-VII	Y-VI	R ¹ -VIII
X-III	Y-I	R ¹ -XI	X-VII	Y-VI	R ¹ -IX
X-III	Y-II	R ¹ -X	X-VII	Y-VI	R ¹ -X
X-III	Y-III	R ¹ -X	X-VIII	Y-I	R ¹ -X
X-III	Y-IV	R ¹ -X	X-VIII	Y-VI	R ¹ -X
X-III	Y-V	R ¹ -X	X-IX	Y-I	R ¹ -X
X-III	Y-VI	R ¹ -I	X-IX	Y-VI	R ¹ -X
X-I	Y-I	R ¹ -XII	X-I	Y-VI	R ¹ -XII
X-I	Y-I	R ¹ -XIII	X-I	Y-VI	R ¹ -XIII
X-I	Y-I	R ¹ -XIV	X-I	Y-VI	R ¹ -XIV
X-I	Y-I	R ¹ -XV	X-I	Y-VI	R ¹ -XV
X-I	Y-I	R ¹ -XVI	X-I	Y-VI	R ¹ -XVI
X-I	Y-I	R ¹ -XVII	X-I	Y-VI	R ¹ -XVII
X-I	Y-I	R ¹ -XVIII	X-I	Y-VI	R ¹ -XVIII
X-III	Y-I	R ¹ -XII	X-III	Y-VI	R ¹ -XII
X-III	Y-I	R ¹ -XIII	X-III	Y-VI	R ¹ -XIII
X-III	Y-I	R ¹ -XIV	X-III	Y-VI	R ¹ -XIV
X-III	Y-I	R ¹ -XV	X-III	Y-VI	R ¹ -XV
X-III	Y-I	R ¹ -XVI	X-III	Y-VI	R ¹ -XVI

X-III
X-III

Y-I
Y-I

R¹-XVII
R¹-XVIII

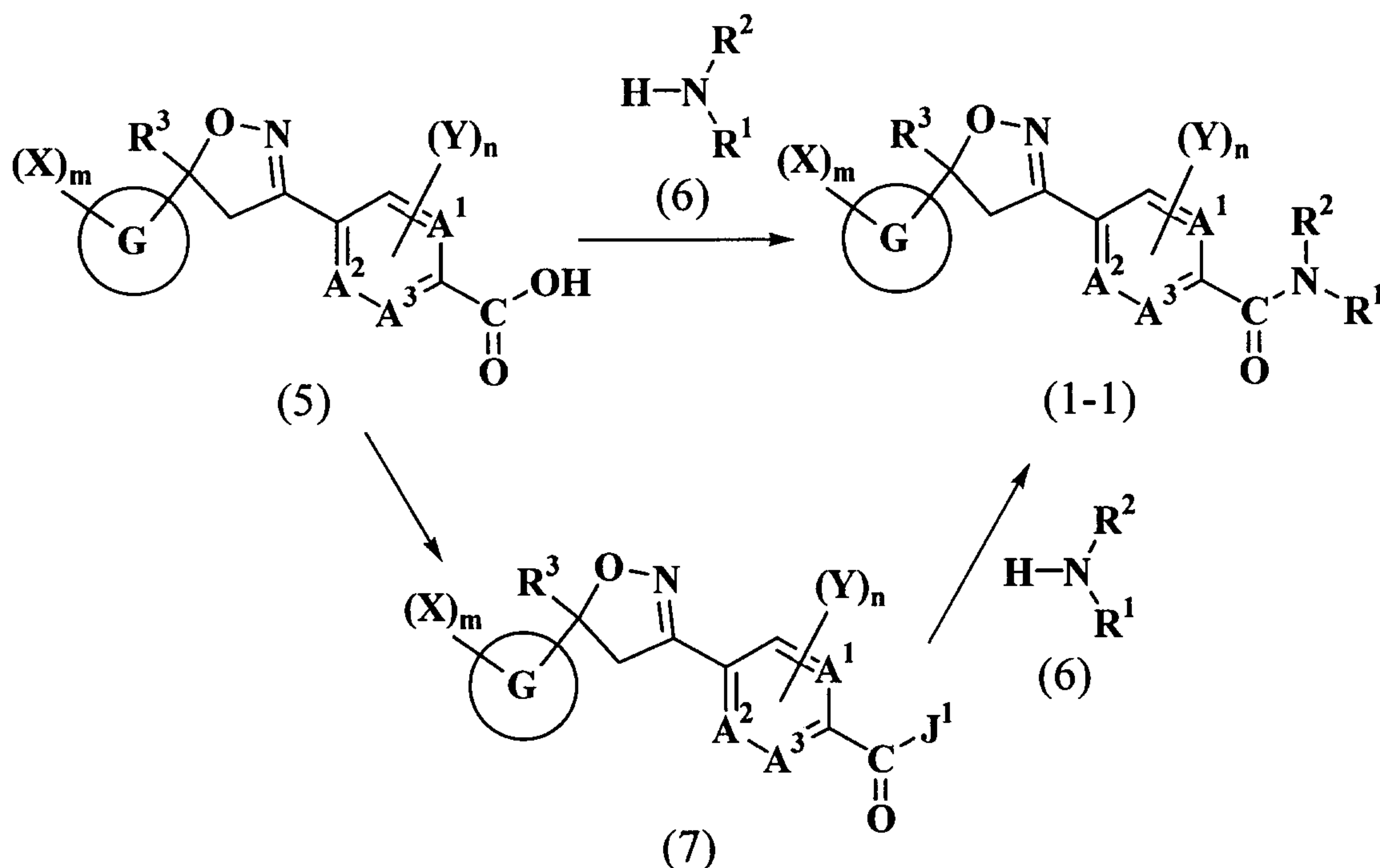
X-III
X-III

Y-VI
Y-VI

R¹-XVII
R¹-XVIII

[0090] The compounds of the present invention can be produced for example according to the methods mentioned below.

Production Method A



[0091] The compound of formula (1-1) wherein A¹, A², A³, G, X, Y, R¹, R², R³, m and n are as defined above that is the compound of formula (1) wherein W is oxygen atom can be obtained by reacting the compound of formula (5) wherein A¹, A², A³, G, X, Y, R³, m and n are as defined above with the compound of formula (6) wherein R¹ and R² are as defined above by use of a condensation agent, optionally by using a solvent inactive for the reaction, optionally in the presence of a base.

[0092] The reaction substrates can be used in an amount of 1 to 100 equivalents of the compound of formula (6) based on 1 equivalent of the compound of formula (5).

[0093] The condensation agent is not specifically limited if it is a compound used for ordinary amide synthesis, but it is for example Mukaiyama agent (2-chloro-N-methylpyridinium iodide), DCC (1,3-dicyclohexyl carbodiimide), WSC (1-ethyl-3-(3-dimethylaminopropyl)-carbodiimide hydrochloride), CDI (carbonyl diimidazole), dimethylpropynyl sulfonium bromide, propagyl triphenyl phosphonium bromide,

DEPC (diethyl phosphorocyanidate) or the like, and can be used in an amount of 1 to 4 equivalents based on the compound of formula (5).

[0094] In case where a solvent is used, the solvent is not specifically limited if it does not inhibit the progress of the reaction, but it includes for example aromatic hydrocarbons such as benzene, toluene, xylene or the like, aliphatic hydrocarbons such as hexane, heptane or the like, alicyclic hydrocarbons such as cyclohexane or the like, aromatic halogenated hydrocarbons such as chlorobenzene, dichlorobenzene or the like, aliphatic halogenated hydrocarbons such as dichloromethane, chloroform, carbon tetrachloride, 1,2-dichloroethane, 1,1,1-trichloroethane, trichloroethylene, tetrachloroethylene or the like, ethers such as diethyl ether, 1,2-dimethoxyethane, tetrahydrofuran, 1,4-dioxane or the like, esters such as ethyl acetate, ethyl propionate or the like, amides such as N,N-dimethylformamide, N,N-dimethylacetamide, N-methyl-2-pyrrolidone or the like, amines such as triethyl amine, tributyl amine, N,N-dimethyl aniline or the like, pyridines such as pyridine, picoline or the like, acetonitrile and dimethyl sulfoxide, and the like. These solvents may be used alone or in a mixture of two or more.

[0095] The addition of a base is not necessarily required. However, when the base is used, alkali metal hydroxides such as sodium hydroxide, potassium hydroxide or the like, alkali metal carbonates such as sodium carbonate, potassium carbonate or the like, alkali metal bicarbonates such as sodium hydrogen carbonate, potassium hydrogen carbonate or the like, organic bases such as triethylamine, tributylamine, N,N-dimethylaniline, pyridine, 4-(dimethylamino)pyridine, imidazole, 1,8-diazabicyclo[5.4.0]-7-undecene, and the like can be used in an amount of 1 to 4 equivalents based on the compound of formula (5).

[0096] The reaction temperature may be an arbitrary temperature ranging from -60°C to the reflux temperature of a reaction mixture, and the reaction time may be an arbitrary time ranging from 5 minutes to 100 hours although it varies depending on the concentration of the reaction substrates or the reaction temperature.

[0097] Generally, it is preferable to carry out the reaction by using 1 to 20 equivalents of the compound of formula (6) and 1 to 4 equivalent of the condensation agent such as WSC (1-ethyl-3-(3-dimethylaminopropyl)-carbodiimide hydrochloride), CDI (carbonyl diimidazole) or the like based on 1 equivalent of the compound of formula (5), optionally in the presence of 1 to 4 equivalents of a base such as potassium carbonate, triethylamine, pyridine, 4-(dimethylamino)pyridine or the like, without solvent or in a solvent such as dichloromethane, chloroform, diethyl ether,

tetrahydrofurane, 1,4-dioxane or the like, at a temperature ranging from 0°C to the reflux temperature of these solvents for 10 minutes to 24 hours.

[0098] In addition, the compound of formula (1-1) according to the present invention can be also synthesized by reacting the compound of formula (7) wherein A^1 , A^2 , A^3 , G, X, Y, R^3 , m and n are as defined above, J^1 is chlorine atom, bromine atom, C_1 - C_4 alkylcarbonyloxy (for example pivaloyloxy), C_1 - C_4 alkoxycarbonyloxy (for example isobutyloxycarbonyloxy) or azolyl (for example imidazol-1-yl) that can be synthesized according to a known method disclosed in documents from the compound of formula (5), for example a method by reacting with a chlorinating agent such as thionyl chloride, phosphorus pentachloride or oxalyl chloride, a method by reacting with a organic acid halide such as pivaloyl chloride or isobutyl chlorformate, etc. optionally in the presence of a base, or a method by reacting with carbonyl diimidazole or sulfonyl diimidazole, etc., with the compound of formula (6), optionally by using a solvent inactive for the reaction, optionally in the presence of a base.

[0099] The reaction substrates can be used in an amount of 1 to 50 equivalents of the compound of formula (6) based on 1 equivalent of the compound of formula (7).

[0100] In case where a solvent is used, the solvent is not specifically limited if it does not inhibit the progress of the reaction, but it includes for example aromatic hydrocarbons such as benzene, toluene, xylene or the like, aliphatic hydrocarbons such as hexane, heptane or the like, alicyclic hydrocarbons such as cyclohexane or the like, aromatic halogenated hydrocarbons such as chlorobenzene, dichlorobenzene or the like, aliphatic halogenated hydrocarbons such as dichloromethane, chloroform, carbon tetrachloride, 1,2-dichloroethane, 1,1,1-trichloroethane, trichloroethylene, tetrachloroethylene or the like, ethers such as diethyl ether, 1,2-dimethoxyethane, tetrahydrofuran, 1,4-dioxane or the like, esters such as ethyl acetate, ethyl propionate or the like, amides such as N,N-dimethylformamide, N,N-dimethylacetamide, N-methyl-2-pyrrolidone or the like, amines such as triethyl amine, tributyl amine, N,N-dimethyl aniline or the like, pyridines such as pyridine, picoline or the like, acetonitrile and water, and the like. These solvents may be used alone or in a mixture of two or more.

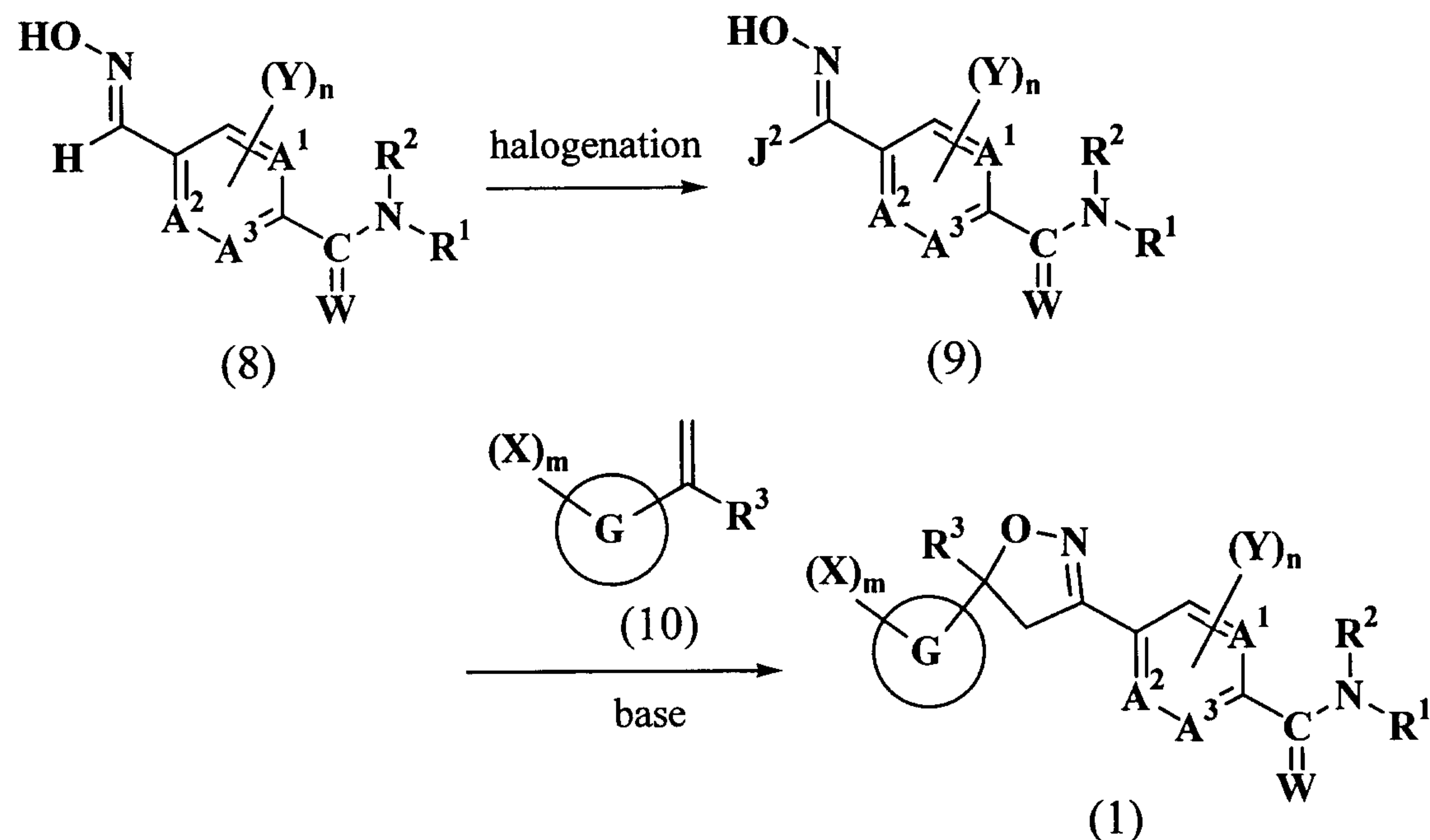
[0101] The addition of a base is not necessarily required. However, when the base is used, alkali metal hydroxides such as sodium hydroxide, potassium hydroxide or the like, alkali metal carbonates such as sodium carbonate, potassium carbonate or the like, alkali metal bicarbonates such as sodium hydrogen carbonate,

potassium hydrogen carbonate or the like, organic bases such as triethylamine, tributylamine, N,N-dimethylaniline, pyridine, 4-(dimethylamino)pyridine, imidazole, 1,8-diazabicyclo[5.4.0]-7-undecene, and the like can be used in an amount of 1 to 4 equivalents based on the compound of formula (7).

[0102] The reaction temperature may be an arbitrary temperature ranging from -60°C to the reflux temperature of a reaction mixture, and the reaction time may be an arbitrary time ranging from 5 minutes to 100 hours although it varies depending on the concentration of the reaction substrates or the reaction temperature.

[0103] Generally, it is preferable to carry out the reaction by using 1 to 10 equivalents of the compound of formula (6) based on 1 equivalent of the compound of formula (7), optionally in the presence of 1 to 2 equivalents of a base such as potassium carbonate, triethylamine, pyridine, 4-(dimethylamino)pyridine or the like, without solvent or in a solvent such as dichloromethane, chloroform, diethyl ether, tetrahydrofuran, 1,4-dioxane, ethyl acetate, acetonitrile or the like, at a temperature ranging from 0°C to the reflux temperature of these solvents for 10 minutes to 24 hours.

Production Method B



[0104] Hydroxamic chloride of formula (9) wherein A¹, A², A³, W, Y, R¹, R² and n are as defined above, J means halogen atom such as chlorine atom and bromine atom can be obtained by halogenating the compound of formula (8) wherein A¹, A², A³, W, Y, R¹, R² and n are as defined above using a halogenating reagent optionally

by using a solvent inactive for the reaction, optionally in the presence of a base.

[0105] Halogenating agents include for example N-halosuccinimides such as N-chlorosuccinimide, N-bromosuccinimide or the like, hypohalogenous acid alkali metal salts such as sodium hypochlorite or the like, hypohalogenous acid esters such as hypochlorous acid-t-butyl ester or the like, simple substance halogens such as chlorine gas or the like, and it can be used in an amount of 1 to 10 equivalents based on the compound of formula (8).

[0106] In case where a solvent is used, the solvent is not specifically limited if it does not inhibit the progress of the reaction, but it includes for example aromatic hydrocarbons such as benzene, toluene, xylene or the like, aliphatic hydrocarbons such as hexane, heptane or the like, alicyclic hydrocarbons such as cyclohexane or the like, aromatic halogenated hydrocarbons such as chlorobenzene, dichlorobenzene or the like, aliphatic halogenated hydrocarbons such as dichloromethane, chloroform, carbon tetrachloride, 1,2-dichloroethane, 1,1,1-trichloroethane, trichloroethylene, tetrachloroethylene or the like, ethers such as diethyl ether, 1,2-dimethoxyethane, tetrahydrofuran, 1,4-dioxane or the like, esters such as ethyl acetate, ethyl propionate or the like, amides such as N,N-dimethylformamide, N,N-dimethylacetamide, N-methyl-2-pyrrolidone or the like, alcohols such as methanol, ethanol, ethylene glycol or the like, carboxylic acids such as acetic acid, propionic acid or the like, acetonitrile and water, and the like. These solvents may be used alone or in a mixture of two or more.

[0107] The reaction temperature may be an arbitrary temperature ranging from -60°C to the reflux temperature of a reaction mixture, and the reaction time may be an arbitrary time ranging from 5 minutes to 24 hours although it varies depending on the concentration of the reaction substrates or the reaction temperature.

[0108] The compounds of formula (1) wherein A¹, A², A³, G, W, X, Y, R¹, R², R³, m and n are as defined above according to the present invention can be obtained by reacting the compound of formula (9) with the compound of formula (10) wherein G, X, R³ and m are as defined above in the presence of a base optionally by use of a solvent inactive for the reaction.

[0109] The reaction substrates can be used in an amount of 1 to 5 equivalents of the compound of formula (10) based on 1 equivalent of the compound of formula (9).

[0110] The used base includes for example alkali metal hydroxides such as sodium hydroxide, potassium hydroxide or the like, alkali metal carbonates such as sodium carbonate, potassium carbonate or the like, alkali metal bicarbonates such

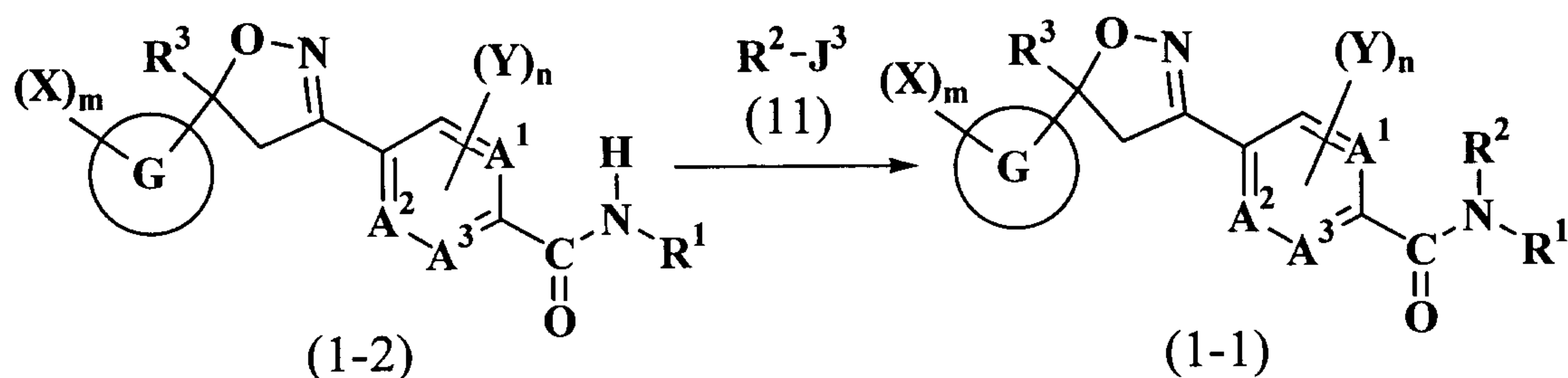
as sodium hydrogen carbonate, potassium hydrogen carbonate or the like, organic bases such as triethylamine, tributylamine, N,N-dimethylaniline, pyridine, 4-(dimethylamino)pyridine, imidazole, 1,8-diazabicyclo[5.4.0]-7-undecene, and the like can be used in an amount of 1 to 5 equivalents based on the compound of formula (9).

[0111] In case where a solvent is used, the solvent is not specifically limited if it does not inhibit the progress of the reaction, but it includes for example aromatic hydrocarbons such as benzene, toluene, xylene or the like, aliphatic hydrocarbons such as hexane, heptane or the like, alicyclic hydrocarbons such as cyclohexane or the like, aromatic halogenated hydrocarbons such as chlorobenzene, dichlorobenzene or the like, aliphatic halogenated hydrocarbons such as dichloromethane, chloroform, carbon tetrachloride, 1,2-dichloroethane, 1,1,1-trichloroethane, trichloroethylene, tetrachloroethylene or the like, ethers such as diethyl ether, 1,2-dimethoxyethane, tetrahydrofuran, 1,4-dioxane or the like, esters such as ethyl acetate, ethyl propionate or the like, amides such as N,N-dimethylformamide, N,N-dimethylacetamide, N-methyl-2-pyrrolidone or the like, and acetonitrile, and the like. These solvents may be used alone or in a mixture of two or more.

[0112] The reaction temperature may be an arbitrary temperature ranging from -60°C to the reflux temperature of a reaction mixture, and the reaction time may be an arbitrary time ranging from 5 minutes to 100 hours although it varies depending on the concentration of the reaction substrates or the reaction temperature.

[0113] Generally, the compound of formula (9) can be obtained for example by carrying out the reaction by using 1 to 2 equivalents of a halogenating agent such as N-chlorosuccinimide, sodium hypochlorite aqueous solution, hypochlorous acid-t-butyl ester, chlorine gas or the like based on 1 equivalent of the compound of formula (8) in a solvent such as dichloromethane, chloroform, 1,2-dimethoxyethane, tetrahydrofuran, 1,4-dioxane, N,N-dimethylformamide or the like, at a temperature ranging from 0°C to the reflux temperature of these solvents for 10 minutes to 2 hours. Then, preferably without the isolation of the compound of formula (9), 1 to 2 equivalents of the compound of formula (10) and 1 to 2 equivalents of a base such as sodium carbonate, sodium hydrogen carbonate, triethyl amine or the like are added, and the reaction is carried out at a temperature ranging from 0°C to the reflux temperature of these solvents for 10 minutes to 24 hours.

Production Method C



[0114] The compound of formula (1-1) wherein A^1 , A^2 , A^3 , G , X , Y , R^1 , R^3 , m and n are as defined above and R^2 has the same meaning defined above excluding hydrogen atom according to the present invention that is the compound of formula (1) wherein W is oxygen atom can be obtained by reacting the compound of formula (1-2) wherein A^1 , A^2 , A^3 , G , X , Y , R^1 , R^3 , m and n are as defined above that is the compound of formula (1) wherein W is oxygen atom and R^2 is hydrogen atom with the compound of formula (11) wherein R^2 has the same meaning defined above excluding hydrogen atom, J^3 is a good leaving group such as chlorine atom, bromine atom, iodine atom, C_1 - C_4 alkylcarbonyloxy (for example pivaloyloxy), C_1 - C_4 alkylsulfonate (for example methane sulfonyloxy), C_1 - C_4 haloalkylsulfonate (for example trifluoromethane sulfonyloxy), arylsulfonate (for example benzene sulfonyloxy, p-toluene sulfonyloxy) or azolyl (for example imidazol-1-yl), optionally in the presence of a base, optionally by using a solvent inactive for the reaction.

[0115] The reaction substrates can be used in an amount of 1 to 50 equivalents of the compound of formula (11) based on 1 equivalent of the compound of formula (1-2).

[0116] In case where a solvent is used, the solvent is not specifically limited if it does not inhibit the progress of the reaction, but it includes for example aromatic hydrocarbons such as benzene, toluene, xylene or the like, aliphatic hydrocarbons such as hexane, heptane or the like, alicyclic hydrocarbons such as cyclohexane or the like, aromatic halogenated hydrocarbons such as chlorobenzene, dichlorobenzene or the like, aliphatic halogenated hydrocarbons such as dichloromethane, chloroform, carbon tetrachloride, 1,2-dichloroethane, 1,1,1-trichloroethane, trichloroethylene, tetrachloroethylene or the like, ethers such as diethyl ether, 1,2-dimethoxyethane, tetrahydrofuran, 1,4-dioxane or the like, esters such as ethyl acetate, ethyl propionate or the like, amides such as N,N -dimethylformamide, N,N -dimethylacetamide, N -methyl-2-pyrrolidone or the like, amines such as triethyl amine, tributyl amine, N,N -dimethyl aniline or the like, pyridines such as pyridine, picoline or the like, alcohols such as methanol, ethanol,

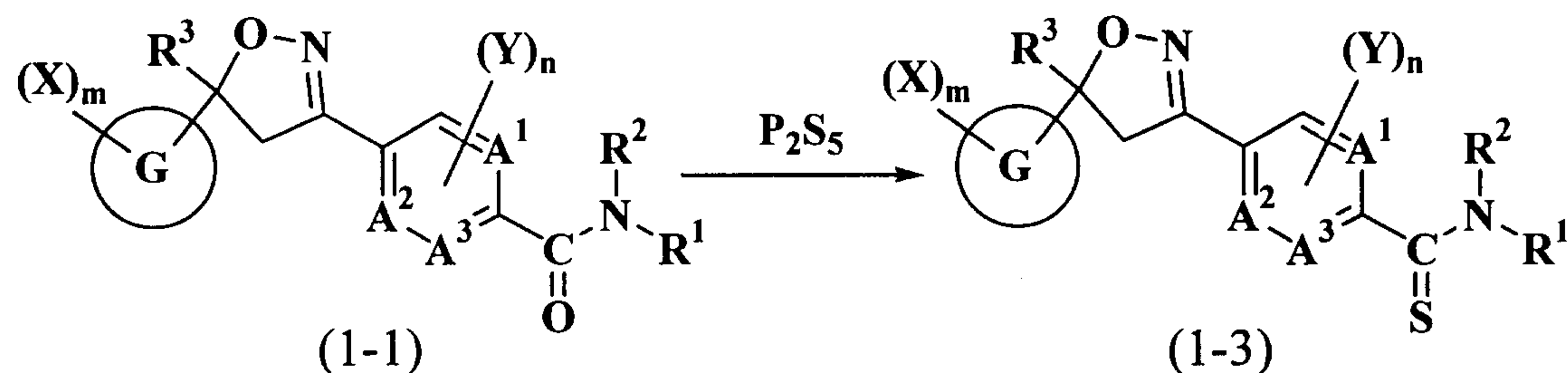
ethylene glycol or the like, acetonitrile, dimethylsulfoxide, sulfolane, 1,3-dimethyl-2-imidazolidinone and water, and the like. These solvents may be used alone or in a mixture of two or more.

[0117] When the base is used, alkali metal hydride such as sodium hydride, potassium hydride or the like, alkali metal hydroxides such as sodium hydroxide, potassium hydroxide or the like, alkali metal alkoxides such as sodium ethoxide, potassium t-butoxide or the like, alkali metal amides such as lithium diisopropylamide, lithium hexamethyl disilazane, sodium amide or the like, organic metal compounds such as t-butyl lithium or the like, alkali metal carbonates such as sodium carbonate, potassium carbonate, sodium hydrogen carbonate or the like, organic bases such as triethylamine, tributylamine, N,N-dimethylaniline, pyridine, 4-(dimethylamino)pyridine, imidazole, 1,8-diazabicyclo[5.4.0]-7-undecene, and the like can be used in an amount of 1 to 4 equivalents based on the compound of formula (1-2).

[0118] The reaction temperature may be an arbitrary temperature ranging from -60°C to the reflux temperature of a reaction mixture, and the reaction time may be an arbitrary time ranging from 5 minutes to 100 hours although it varies depending on the concentration of the reaction substrates or the reaction temperature.

[0119] Generally, it is preferable to carry out the reaction by using 1 to 10 equivalents of the compound of formula (11) based on 1 equivalent of the compound of formula (1-2), in a polar solvent such as tetrahydrofuran, 1,4-dioxane, acetonitrile, N,N-dimethylformamide or the like, optionally in the presence of 1 to 3 equivalents of a base such as sodium hydride, potassium t-butoxide, potassium hydroxide, potassium carbonate, triethylamine, pyridine or the like, based on 1 equivalent of the compound of formula (1-2), at a temperature ranging from 0 to 90°C for 10 minutes to 24 hours.

Production Method D



[0120] The compound of formula (1-3) wherein A¹, A², A³, G, X, Y, R¹, R², R³, m and n are as defined above according to the present invention that is the compound

of formula (1) wherein W is sulfur atom can be obtained by reacting the compound of formula (1-1) wherein A¹, A², A³, G, X, Y, R¹, R², R³, m and n are as defined above according to the present invention that is the compound of formula (1) wherein W is oxygen atom with a sulfurizing agent such as diphosphorus pentasulfide, diphosphorus pentasulfide-HMDO (hexamethyldisiloxane), Lawesson's Reagent (2,4-bis(4-methoxyphenyl)-1,3,2,4-dithiadiphosphetane-2,4-disulfide), optionally by using a solvent inactive for the reaction, optionally in the presence of a base.

[0121] The reaction substrates can be used in an amount of 1 to 50 equivalents of the sulfurizing agent based on 1 equivalent of the compound of formula (1-1).

[0122] In case where a solvent is used, the solvent is not specifically limited if it does not inhibit the progress of the reaction, but it includes for example aromatic hydrocarbons such as benzene, toluene, xylene or the like, aliphatic hydrocarbons such as hexane, heptane or the like, alicyclic hydrocarbons such as cyclohexane or the like, aromatic halogenated hydrocarbons such as chlorobenzene, dichlorobenzene or the like, aliphatic halogenated hydrocarbons such as dichloromethane, chloroform, carbon tetrachloride, 1,2-dichloroethane, 1,1,1-trichloroethane, trichloroethylene, tetrachloroethylene or the like, ethers such as diethyl ether, 1,2-dimethoxyethane, tetrahydrofuran, 1,4-dioxane or the like, amines such as triethyl amine, tributyl amine, N,N-dimethyl aniline or the like, pyridines such as pyridine, picoline or the like, and HMPA (hexamethylphosphoric triamide), and the like. These solvents may be used alone or in a mixture of two or more.

[0123] The addition of a base is not necessarily required. However, when the base is used, alkali metal carbonates such as sodium carbonate, potassium carbonate, sodium hydrogen carbonate or the like, organic bases such as triethylamine, tributylamine, N,N-dimethylaniline, pyridine, 4-(dimethylamino)pyridine, imidazole, 1,8-diazabicyclo[5.4.0]-7-undecene, and the like can be used in an amount of 1 to 10 equivalents based on the compound of formula (1-1).

[0124] The reaction temperature may be an arbitrary temperature ranging from 0°C to the reflux temperature of a reaction mixture, and the reaction time may be an arbitrary time ranging from 5 minutes to 100 hours although it varies depending on the concentration of the reaction substrates or the reaction temperature.

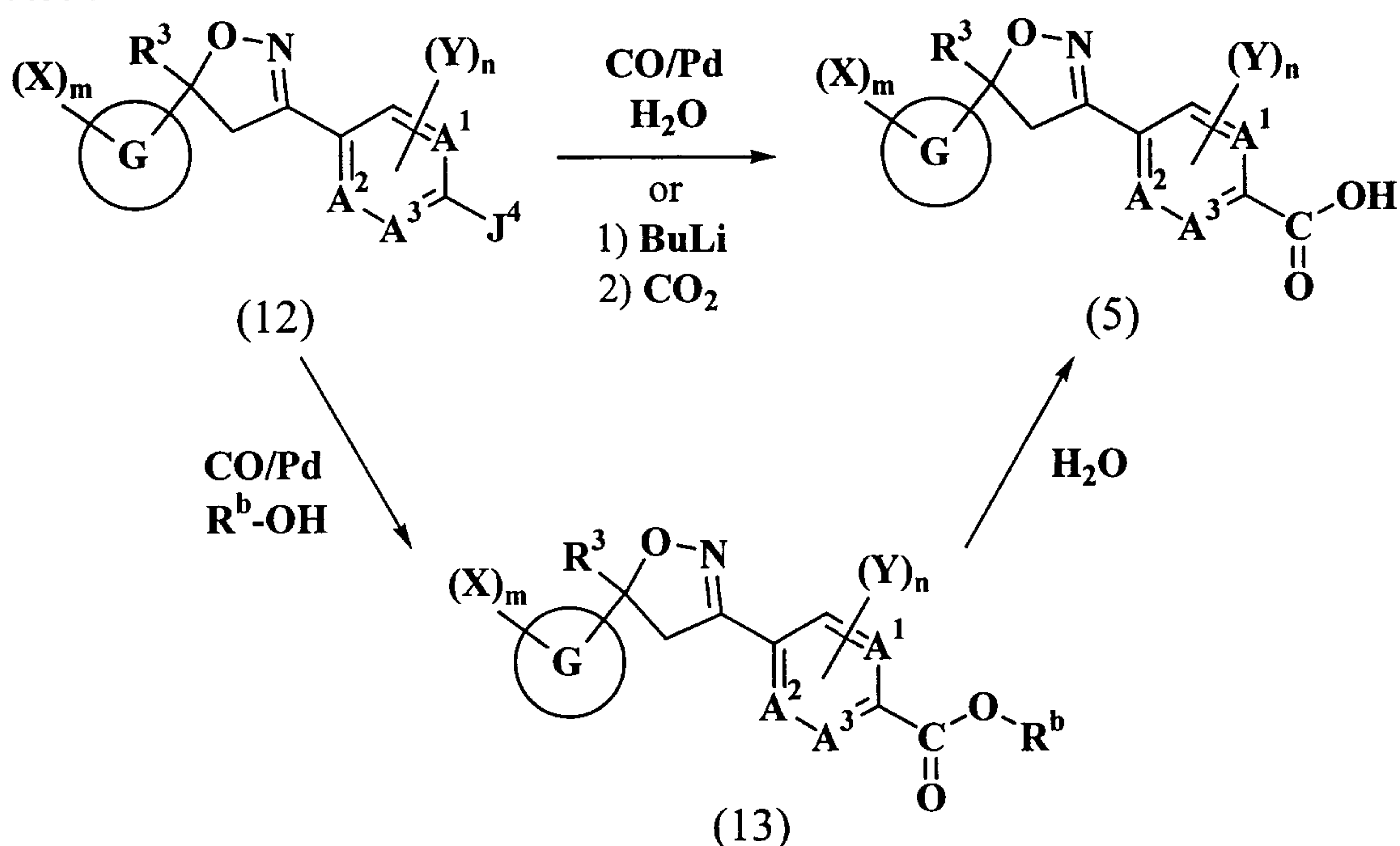
[0125] Generally, it is preferable to carry out the reaction by using 1 to 10 equivalents of a sulfurizing agent such as diphosphorus pentasulfide, diphosphorus pentasulfide-HMDO, Lawesson's Reagent or the like, based on 1 equivalent of the

compound of formula (1-1), optionally in the presence of 1 to 4 equivalents of a base such as sodium hydrogen carbonate, triethylamine, pyridine or the like, in a solvent such as benzene, toluene, chlorobenzene, dichloromethane, chloroform, 1,2-dimethoxyethane, tetrahydrofurane, 1,4-dioxane, HMPA or the like, at a temperature ranging from room temperature to the reflux temperature of the reaction mixture for 10 minutes to 50 hours, or in a solvent amount of pyridine at a temperature of 80°C to the reflux temperature of the reaction mixture for 1 to 3 hours.

[0126] In Production Method A to Production Method D, the aimed compound of the present invention can be obtained by subjecting the reaction mixture after the completion of the reaction to ordinary post-treatment such as a direct concentration, or a concentration after dissolving in an organic solvent and washing with water or a concentration after placing in ice water and extracting with an organic solvent. In addition, when a purification is required, it can be separated and purified by an arbitrary purification process such as recrystallization, column chromatograph, thin layer chromatograph, liquid chromatograph collection or the like.

[0127] The compound of formula (5) used in Production Method A can be synthesized as follows, for example.

Reaction Scheme 1



[0128] That is, the compound of formula (5) wherein A^1 , A^2 , A^3 , G , X , Y , R^3 , m and n are as defined above can be obtained by reacting the compound of formula (12) wherein A^1 , A^2 , A^3 , G , X , Y , R^3 , m and n are as defined above, J^4 is bromine

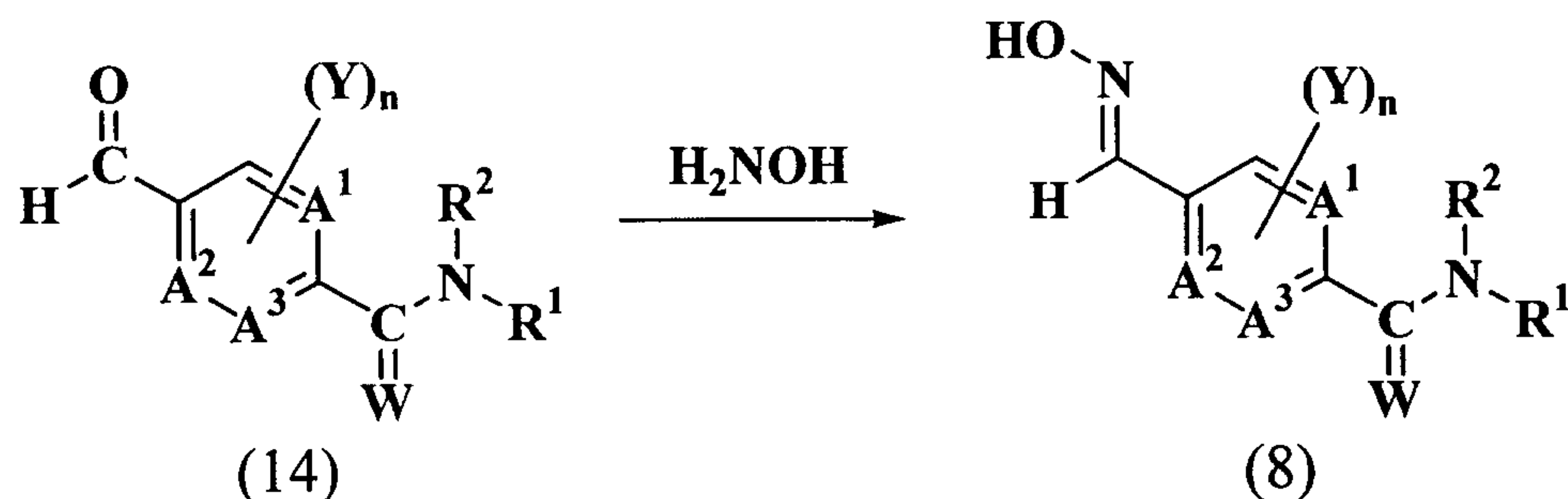
atom, iodine atom, halosulfonyloxy (for example fluorosulfonyloxy), C₁-C₄haloalkylsulfonyloxy (for example trifluoromethane sulfonyloxy) or arylsulfonyloxy (for example benzenesulfonyloxy) according to a known method disclosed in documents, for example by CO insertion reaction by use of a transition metal catalyst such as palladium or the like stated in J. Org. Chem., 1999, vol. 64, p. 6921 or the like, or by a process by lithiation and then reaction with carbonic acid gas stated in Chem. Rev., 1990, vol. 90, p. 879.

[0129] In addition, the compound of formula (5) can be obtained by subjecting the compound of formula (12) to a reaction according to a reaction condition for CO insertion reaction by use of a transition metal catalyst such as palladium or the like stated in J. Org. Chem., 1974, vol. 39, p. 3318 or the like to convert the compound of formula (13) wherein A¹, A², A³, G, X, Y, R³, m and n are as defined above, R^b is C₁-C₆alkyl such as methyl, ethyl or the like, and then hydrolizing according to an ordinary ester hydrolysis disclosed in documents, for example a reaction condition stated in Angew. Chem., 1951, vol. 63, p. 329, J. Am. Chem. Soc., 1929, vol. 51, p. 1865 or the like.

[0130] Some of the compounds of formula (6) used in Production Method A are known compounds, and a part thereof is commercially available. Also, the compounds other than the above-mentioned compounds can be synthesized according to methods stated in for example Justus Liebigs Ann. Chem., 1979, p. 920, US 5,990,323, WO 96/11200 or the like, and general synthetic methods for primary or secondary alkyl amines disclosed in documents.

[0131] The compounds of formula (8) used in Production Method B can be synthesized as follows, for example.

Reaction Scheme 2

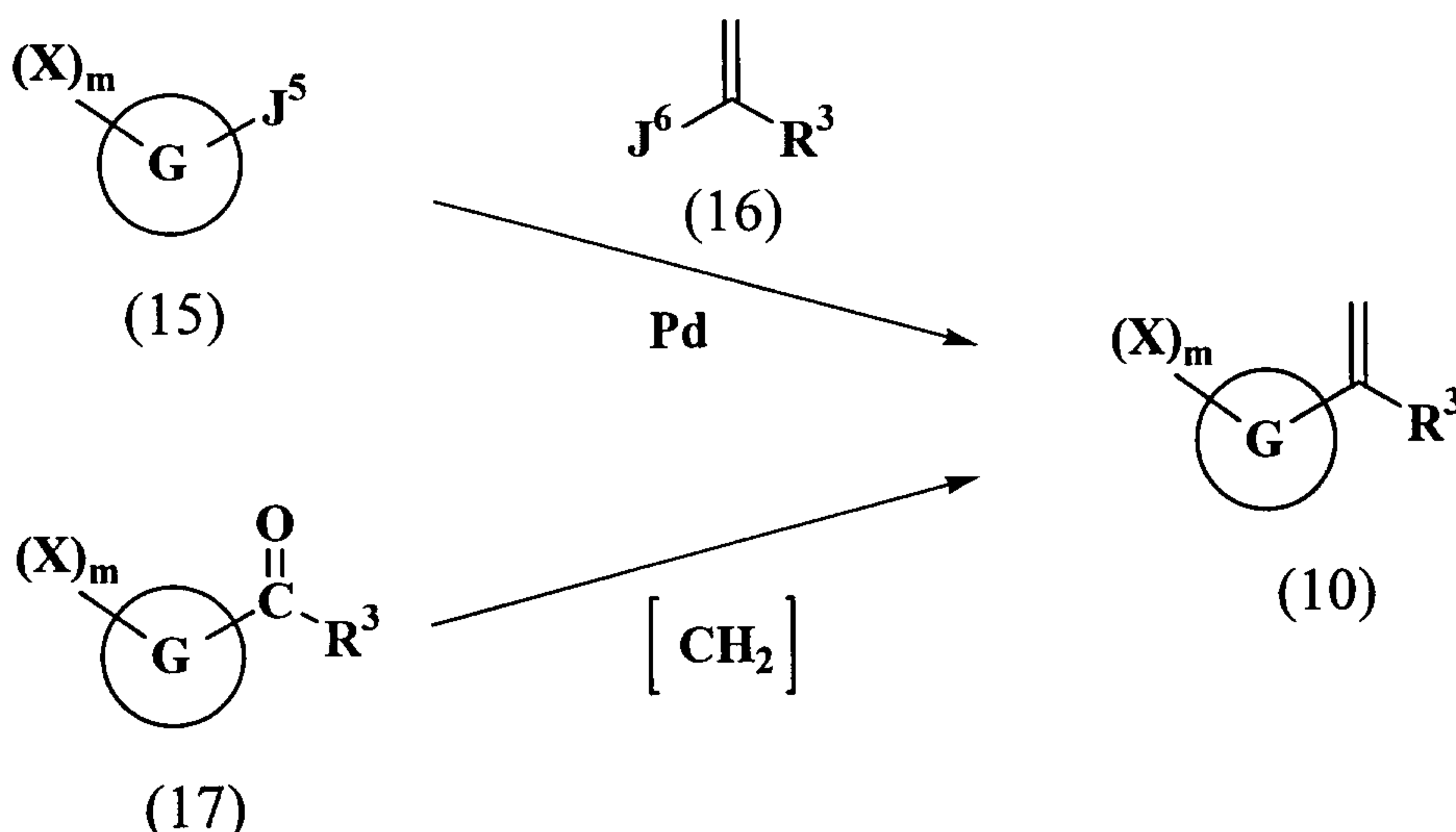


[0132] That is, the compound of formula (8) wherein A¹, A², A³, W, Y, R¹, R² and n are as defined above can be easily synthesized by reacting the compound of formula (14) wherein A¹, A², A³, W, Y, R¹, R² and n are as defined above with hydroxylamine or the salt thereof according to known methods disclosed in documents, for example

the method stated in J. Med. Chem., 2001, vol. 44, p. 2308 or the like.

[0133] The compounds of formula (10) used in Production Method B can be synthesized as follows, for example.

Reaction Scheme 3



[0134] That is, the compound of formula (10) wherein G, X, R³ and m are as defined above can be obtained by reacting the known compound of formula (15) wherein G, X and m are as defined above, J⁵ is bromine atom, iodine atom, C₁-C₄haloalkylsulfonyloxy (for example trifluoromethanesulfonyloxy), -B(OH)₂, 4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl, -Si(OEt)₃, -ZnCl, -ZnBr or -ZnI, etc. with the compound of formula (16) wherein R³ is as defined above, J⁶ is halogen atom such as bromine atom, iodine atom or the like, or -B(OH)₂ according to an ordinary crosscoupling reaction by use of a transition metal catalyst such as palladium or the like disclosed in documents, for example a reaction condition stated in J. Org. Chem., 1991, vol. 56, p. 7336, Tetrahedron Lett., 2001, vol. 42, p. 4083, or the like.

[0135] Some of the compounds of formula (16) used in the above-mentioned process are known compounds, and a part thereof is commercially available. Also, the compounds other than the above-mentioned compounds can be synthesized according to methods disclosed in documents, for example a method stated in J. Am. Chem. Soc., 1971, vol. 93, p. 1925, Tetrahedron Lett., 1990, vol. 31, p. 1919 and 2001, vol. 42, p. 4083 or the like.

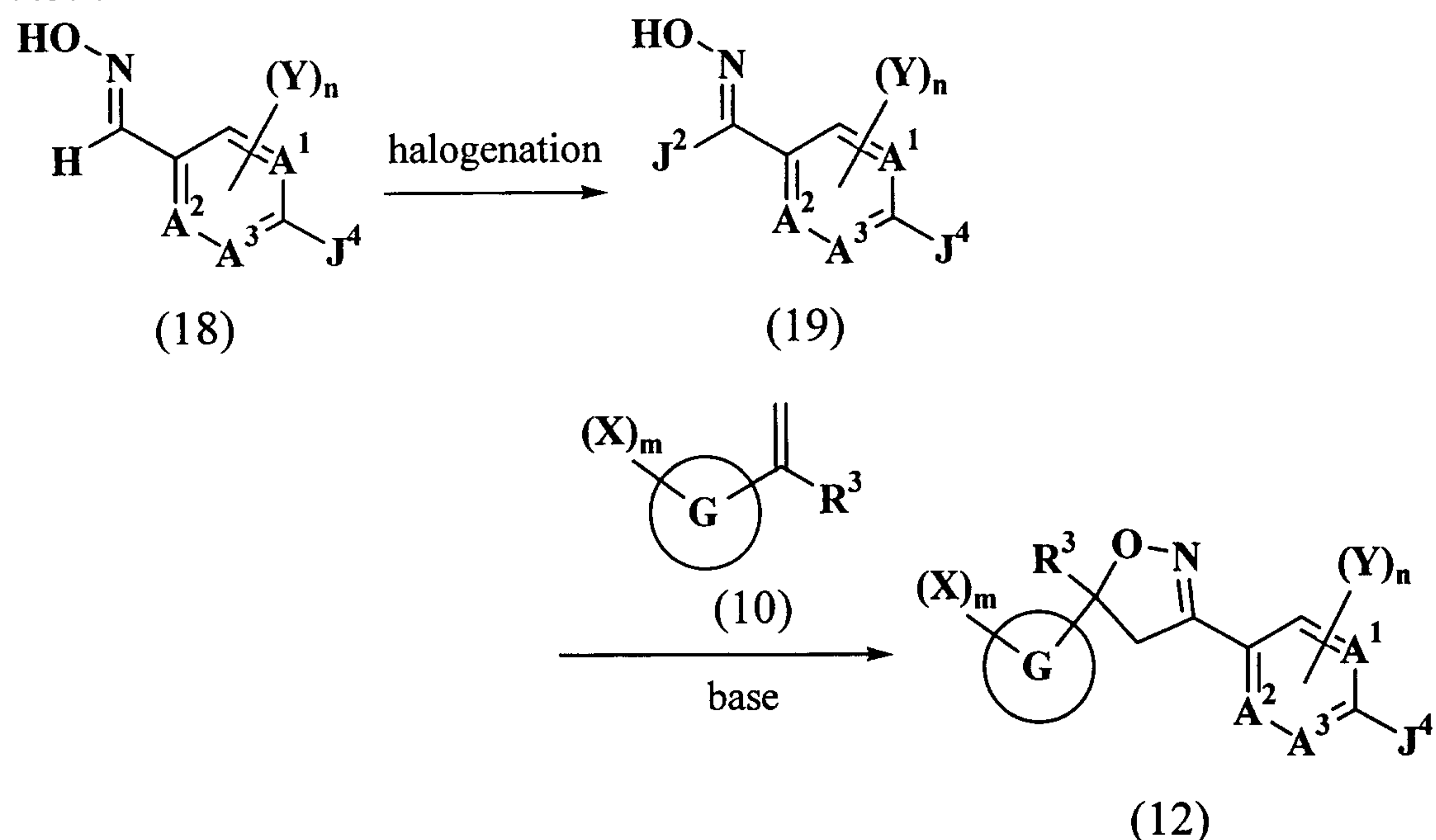
[0136] In addition, the compounds of formula (10) can be obtained by reacting the compound of formula (17) wherein G, X, R³ and m are as defined above according to a reaction of converting carbonyl to olefine disclosed in documents, for example a reaction condition stated in J. Org. Chem., 1986, vol. 51, p. 5252 and

1994, vol. 59, p. 2898, Synthesis, 1991, p. 29, Tetrahedron Lett., 1985, vol. 26, p. 5579 or the like.

[0137] Some of the compounds of formula (11) used in Production method C are known compounds, and a part thereof is commercially available. Also, the compounds other than the above-mentioned compounds can be easily synthesized according to methods disclosed in documents, for example a method stated in Chem. Lett., 1976, p. 373, J. Am. Chem. Soc., 1964, vol. 86, p. 4383, J. Org. Chem., 1976, vol. 41, p. 4028 and 1978, vol. 43, p. 3244, Org. Synth., 1988, Corrective vol. 6, p. 101, Tetrahedron Lett., 1972, p. 4339, GB 2,161,802, EP 0,051,273 or the like.

[0138] The compounds of formula (12) can be synthesized as follows, for example.

Reaction Scheme 4



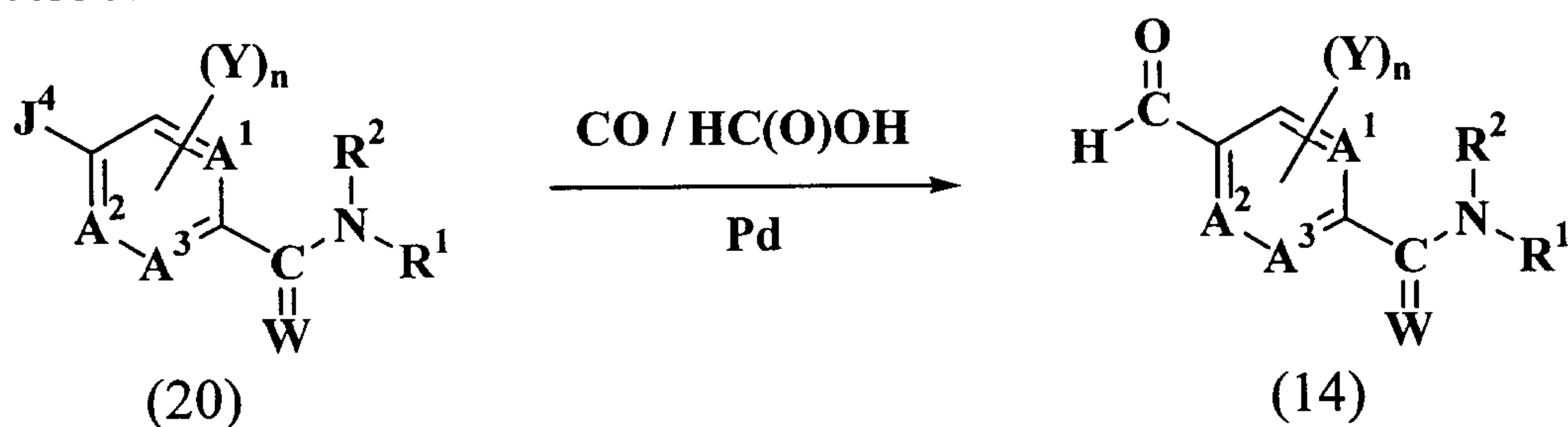
[0139] That is, the compounds of formula (12) wherein A^1 , A^2 , A^3 , G , X , Y , R^3 , m , n and J^4 are as defined above can be obtained by halogenating the compound of formula (18) wherein A^1 , A^2 , A^3 , Y , n and J^4 are as defined above under a condition similar to that of Production Method B to obtain the compound of formula (19) wherein A^1 , A^2 , A^3 , Y , n , J^3 and J^4 are as defined above, and then reacting it with the compound of formula (10) wherein G , X , R^3 and m are as defined above.

[0140] The compound of formula (18) can be easily synthesized by use of the corresponding known substituted aromatic aldehyde similarly to the process described in Reaction Scheme 2.

[0141] The compound of formula (14) can be synthesized for example

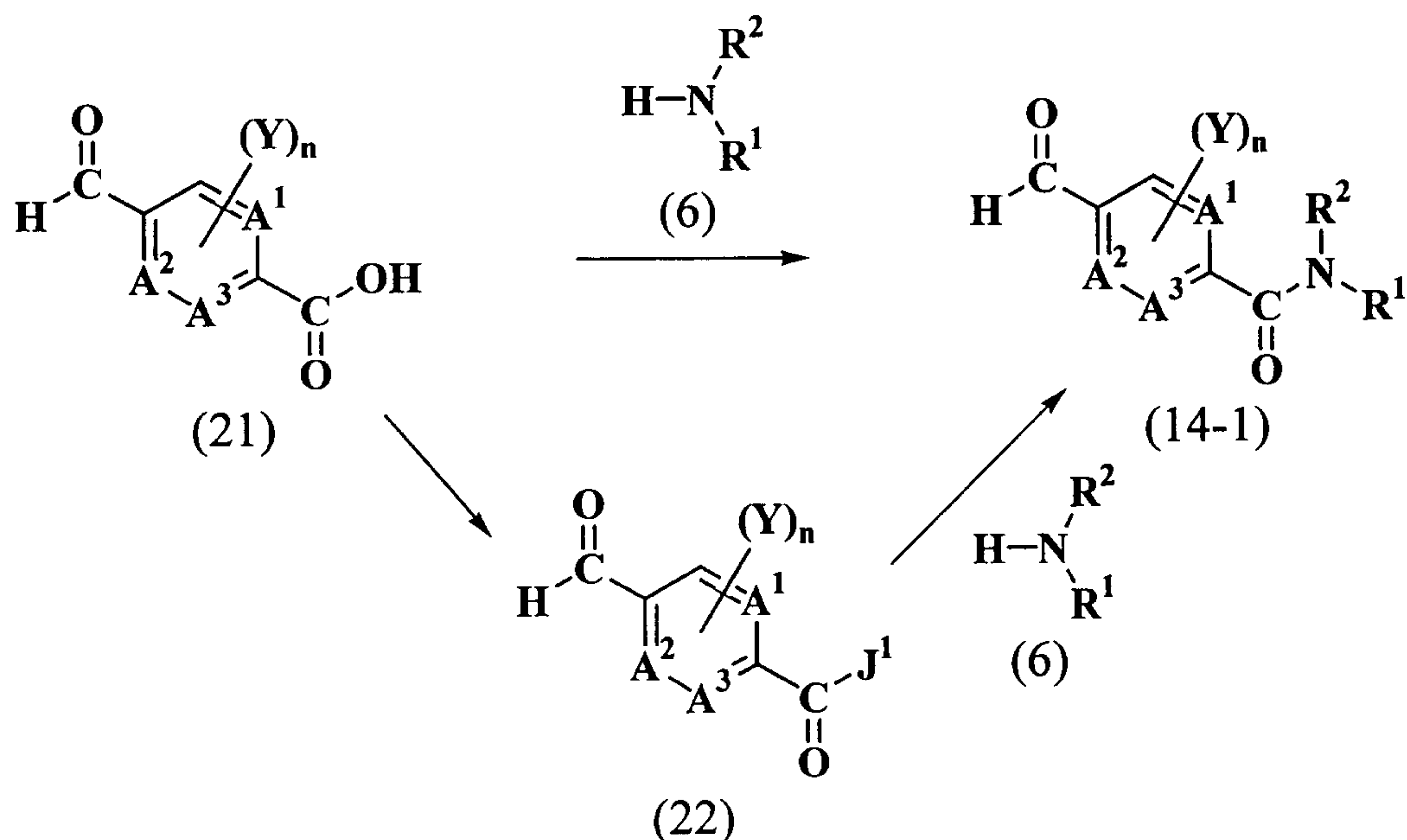
according to Reaction Scheme 5 or Reaction Scheme 6.

Reaction Scheme 5



[0142] The compounds of formula (14) wherein A^1 , A^2 , A^3 , W , Y , R^1 , R^2 and n are as defined above can be obtained by subjecting the compound of formula (20) wherein A^1 , A^2 , A^3 , W , Y , R^1 , R^2 , n and J^4 are as defined above to CO insertion reaction according to known methods disclosed in documents, for example the reaction by use of a transition metal catalyst such as palladium or the like in the presence of hydride source such as formic acid or the like stated in Bull. Chem. Soc. Jpn., 1994, vol. 67, p. 2329, J. Am. Chem. Soc., 1986, vol. 108, p. 452, or the like.

Reaction Scheme 6

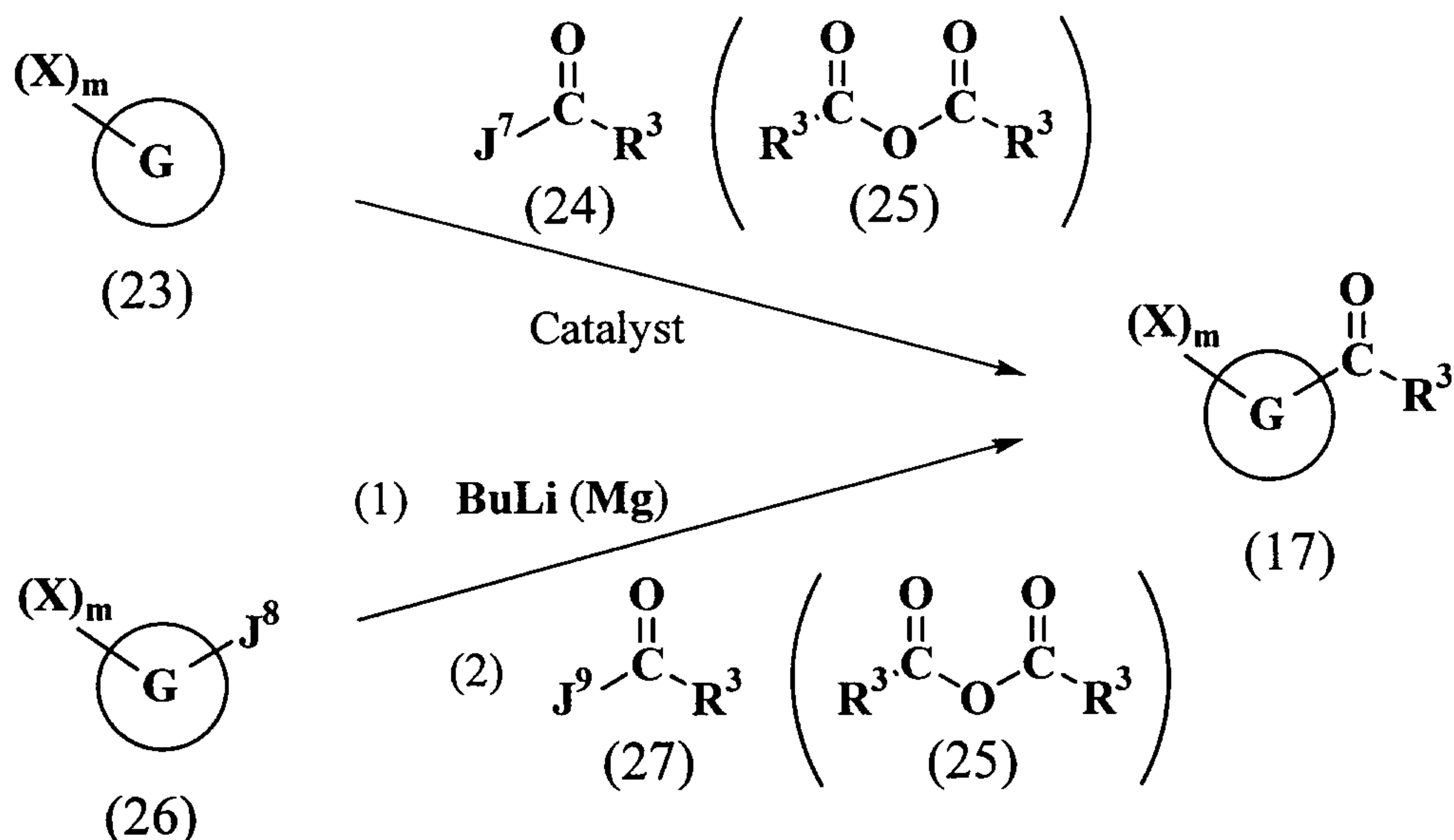


[0143] The compounds of formula (14-1) wherein A^1 , A^2 , A^3 , Y , R^1 , R^2 and n are as defined above that are the compounds of formula (14) wherein W is oxygen atom can be synthesized by reacting the known compound of formula (21) wherein A^1 , A^2 , A^3 , Y and n are as defined above with the compound of formula (6) wherein R^1 and R^2 are as defined above by use of the method similar to Production Method A.

[0144] The compounds of formula (17) can be synthesized as follows, for

example.

Reaction Scheme 7



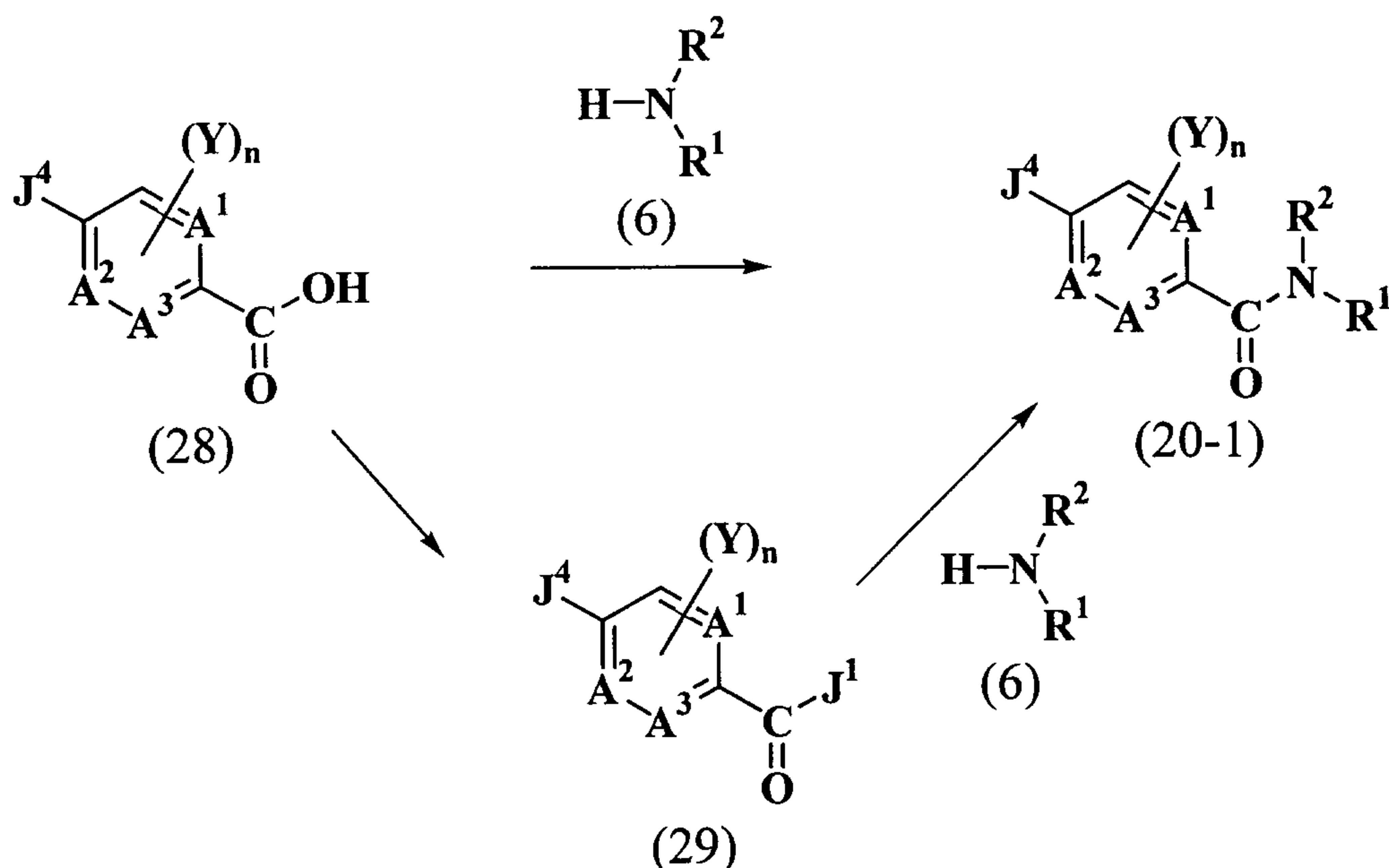
[0145] That is, the compounds of formula (17) wherein X, R^3 and m are as defined above, G is benzene ring can be obtained by reacting the known compound of formula (23) wherein X and m are as defined above, G is benzene ring with the known compound of formula (24) wherein R^3 is as defined above, J^7 is a leaving group such as halogen atom, trifluoromethanesulfonyloxy, 2-pyridyloxy or the like, or the known compound of formula (25) wherein R^3 is as defined above according to a general acylating reaction of aromatic ring disclosed in documents, for example a method stated in Chem. Lett., 1990, p. 783, J. Org. Chem., 1991, vol. 56, p. 1963 or the like.

[0146] In addition, the compound of formula (17) wherein G, X, R^3 and m are as defined above can be obtained according to general methods disclosed in documents for example by a method stated in J. Am. Chem. Soc., 1955, vol. 77, p. 3657, Tetrahedron Lett., 1980, vol. 21, p. 2129 and 1991, vol. 32, p. 2003, US 5,514,816 in which the compound of formula (26) wherein G, X and m are as defined above, J^8 is bromine atom or iodine atom is lithiated and the resulting compound is reacted with the known compound of formula (27) wherein R^3 is as defined above, J^9 is halogen atom, hydroxy, metal salt (for example, $-OLi$, $-ONa$), C_1 - C_4 alkoxy (for example, methoxy, ethoxy), di(C_1 - C_4 alkyl)amino (for example, diethylamino), C_1 - C_4 alkoxy C_1 - C_4 alkyl amino (for example O,N-dimethylhydroxyamino) or cyclic amino (for example, piperidin-1-yl, morpholin-4-yl, 4-methylpiperidin-1-yl), or the known compound of formula (25), or by a method stated in Heterocycles, 1987, vol. 25, p.

221, Synth. Commun., 1985, vol. 15, p. 1291 and 1990, vol. 20, p. 1469, DE 19727042, or the like in which a Grignard reagent is formed and then it is reacted with the compound of formula (27) or the compound of formula (25).

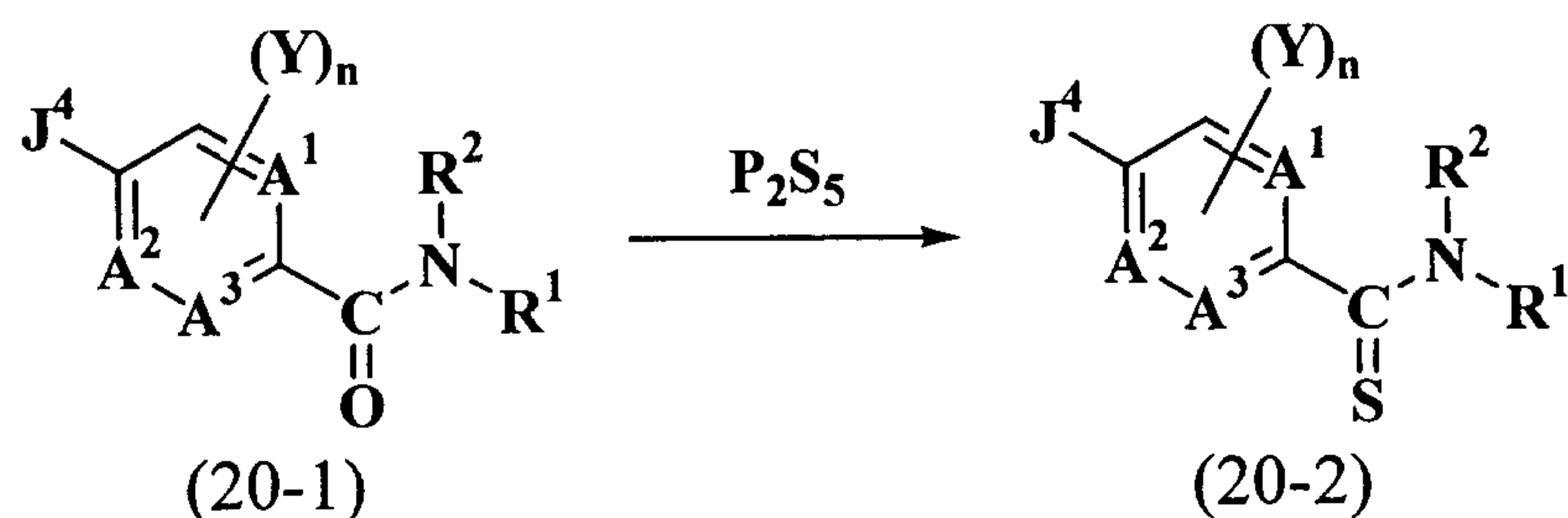
[0147] The compounds of formula (20) can be synthesized according to for example Reaction Scheme 8 or Reaction Scheme 9.

Reaction Scheme 8



[0148] The compounds of formula (20-1) wherein A^1 , A^2 , A^3 , Y , R^1 , R^2 , n and J^4 are as defined above that are the compounds of formula (20) wherein W is oxygen atom can be obtained by reacting the known compound of formula (28) wherein A^1 , A^2 , A^3 , Y , n and J^4 are as defined above with the compound of formula (6) wherein R^1 and R^2 are as defined above by use of the method similar to Production Method A.

Reaction Scheme 9



[0149] The compounds of formula (20-2) wherein A^1 , A^2 , A^3 , Y , R^1 , R^2 , n and J^5 are as defined above that are the compounds of formula (20) wherein W is sulfur atom can be obtained by reacting the compound of formula (20-1) wherein A^1 , A^2 , A^3 , Y , R^1 , R^2 , n and J^4 are as defined above that are the compounds of formula (20) wherein W is oxygen atom with a sulfurizing agent such as diphosphorus

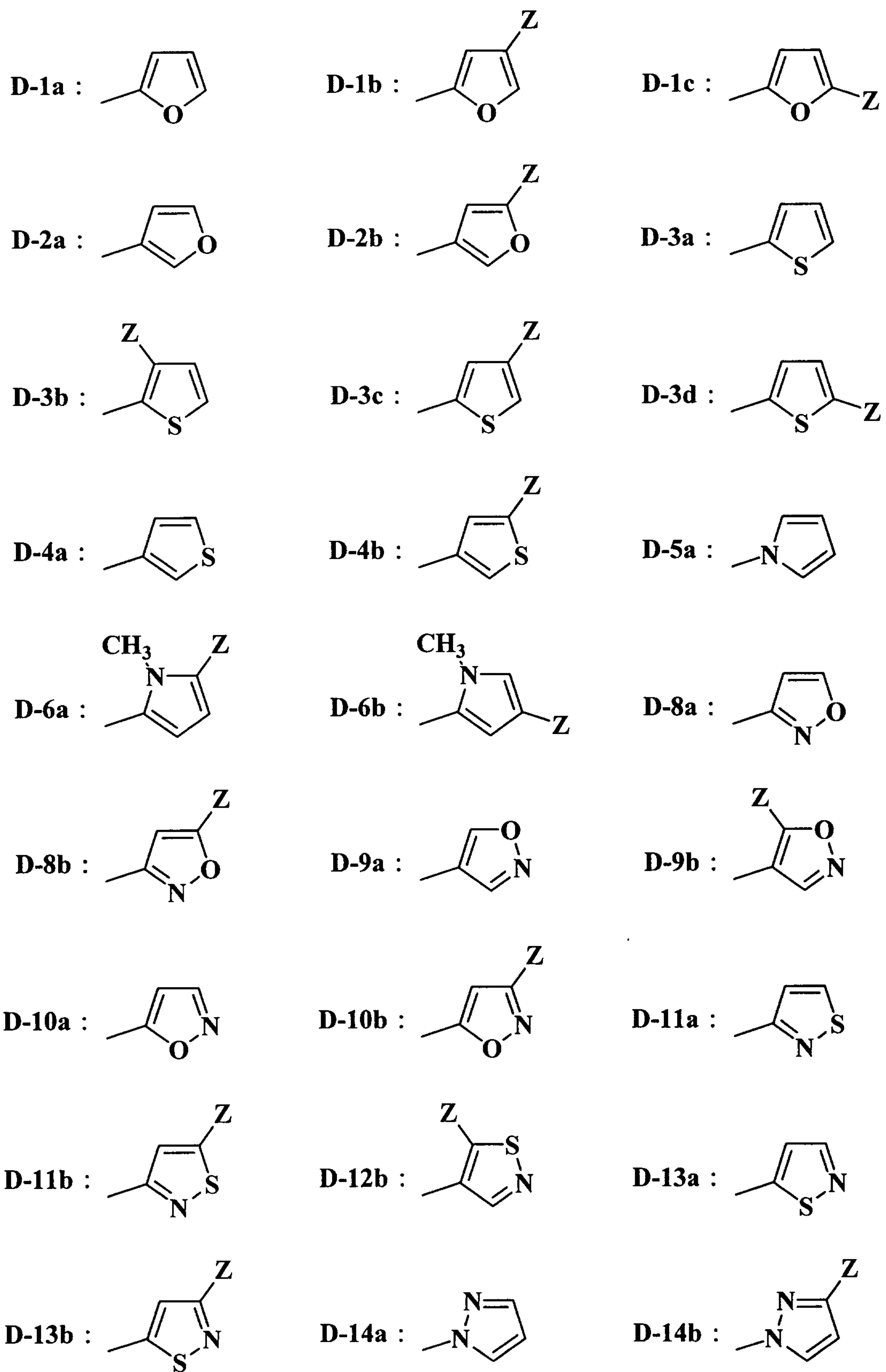
pentasulfide, diphosphorus pentasulfide-HMDO (hexamethyldisiloxane), Lawesson's Reagent (2,4-bis(4-methoxyphenyl)-1,3,2,4-dithiadiphosphetane-2,4-disulfide) under a condition similar to that of Production Method D.

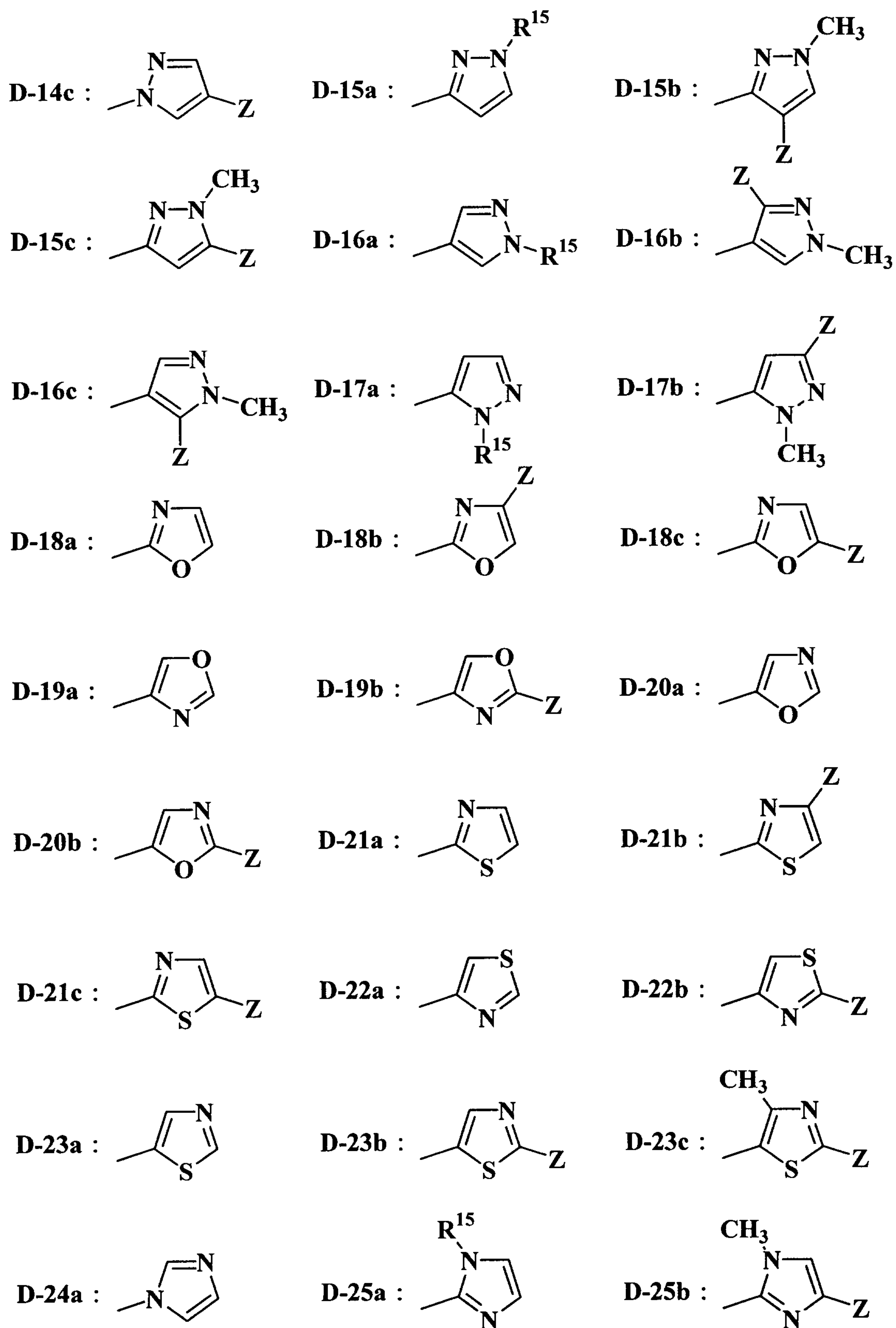
[0150] In each reaction, after the completion of the reaction, each production intermediate that is a starting compound in Production Method A to Production Method C can be obtained by carrying out normal post-treatments.

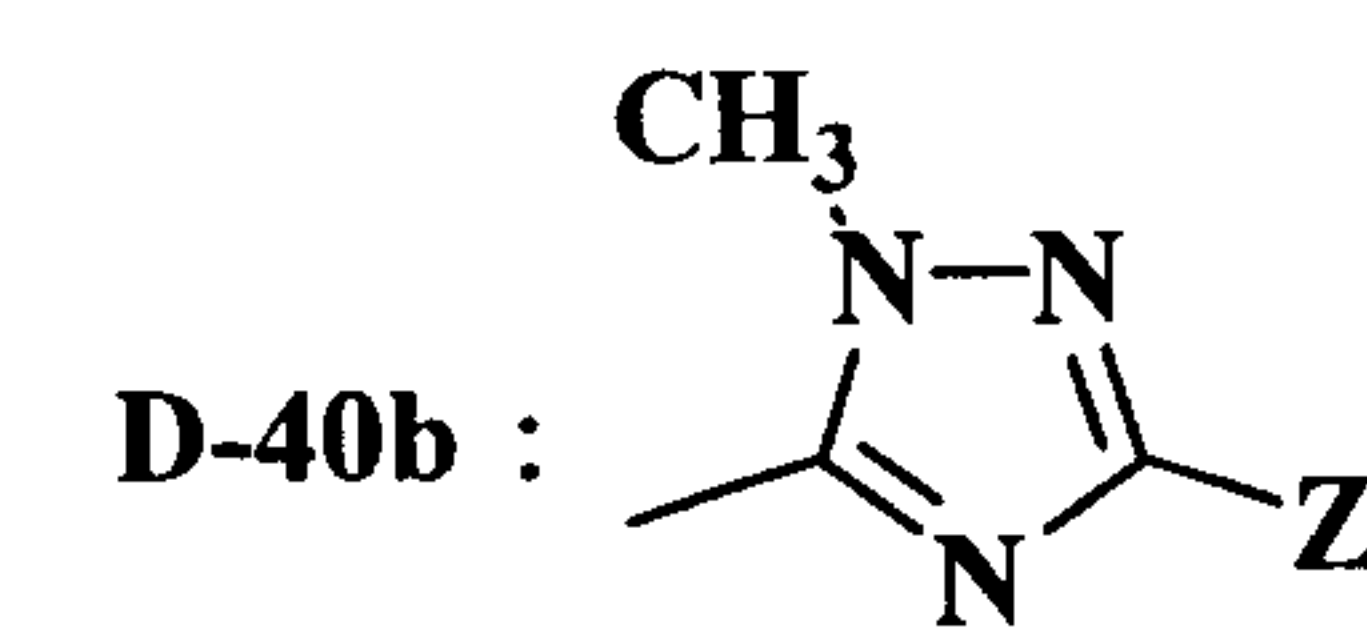
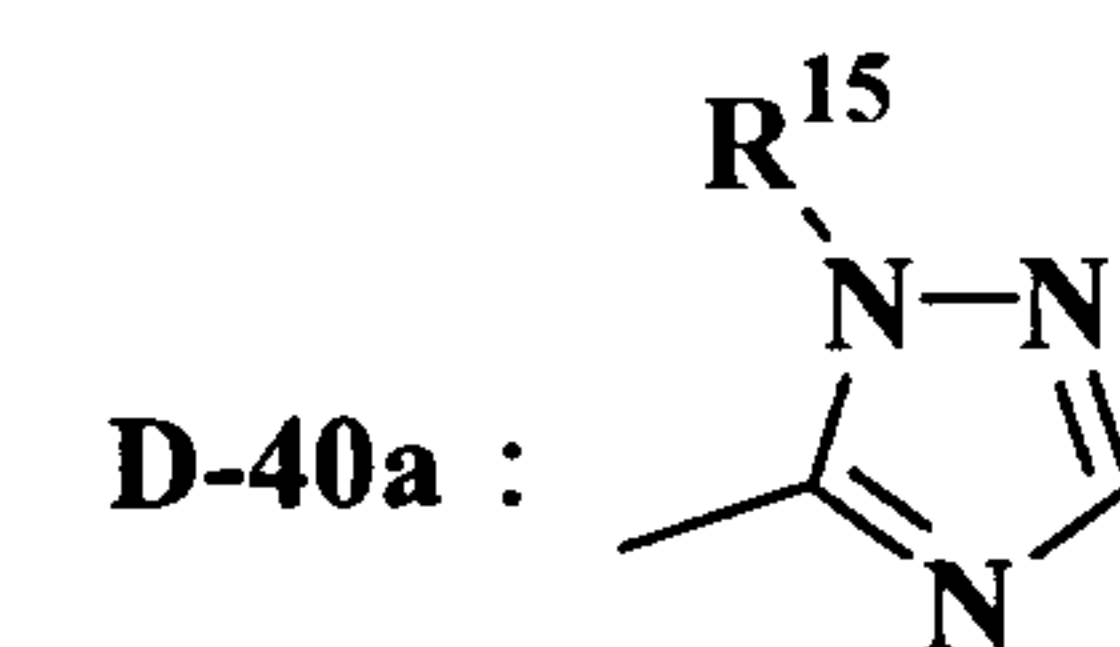
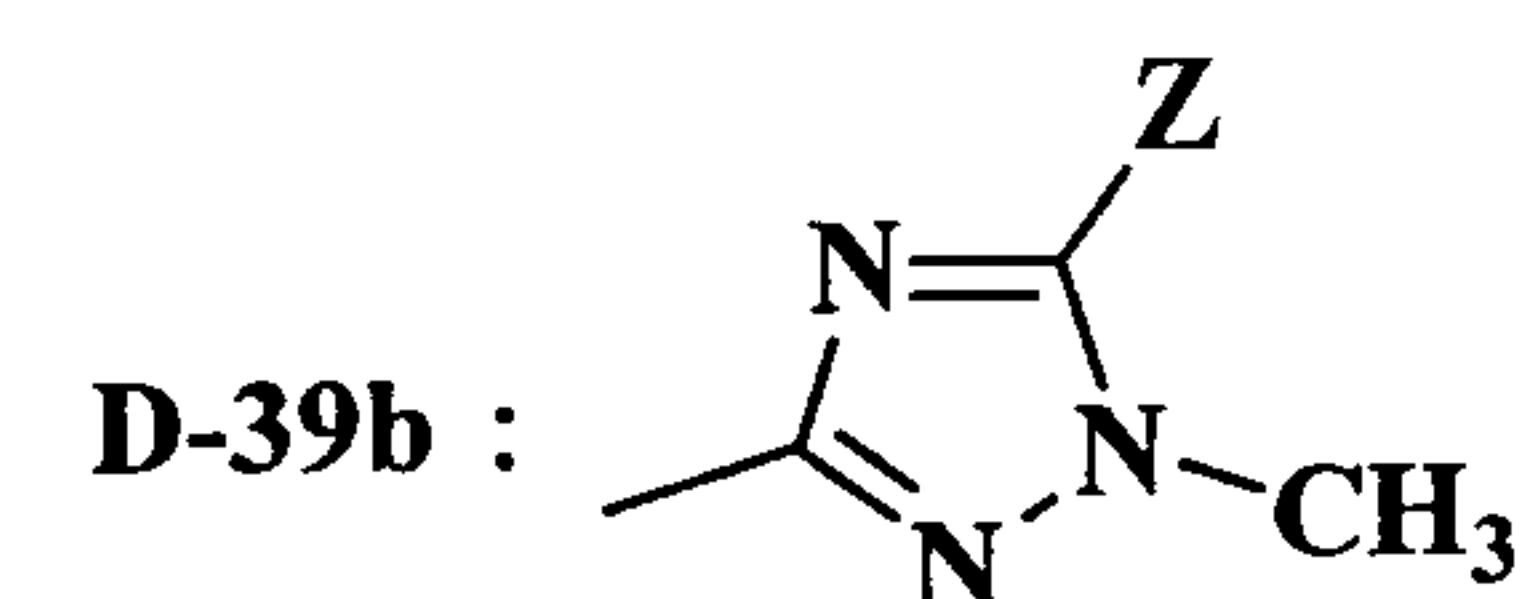
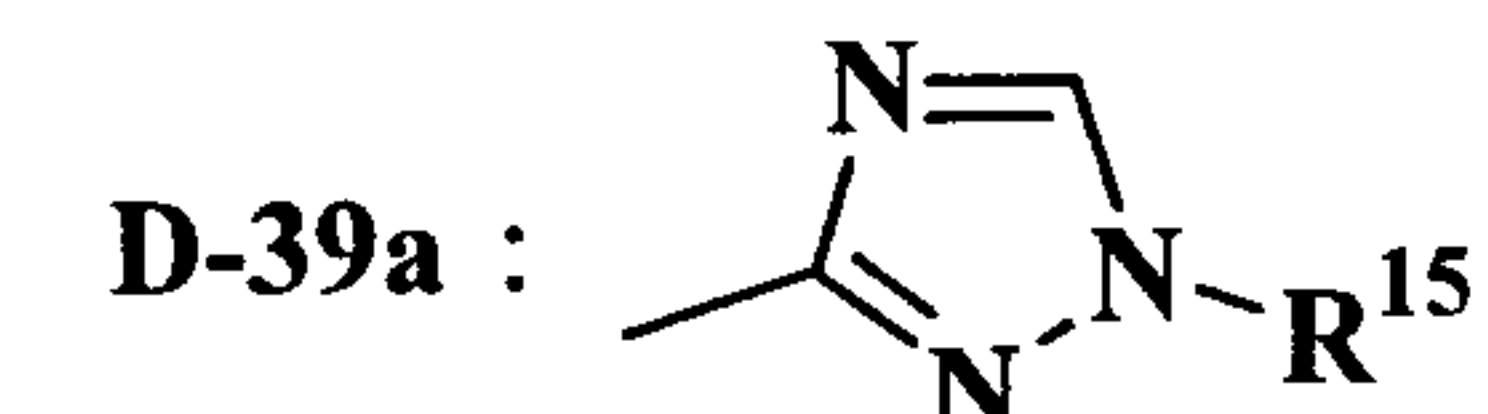
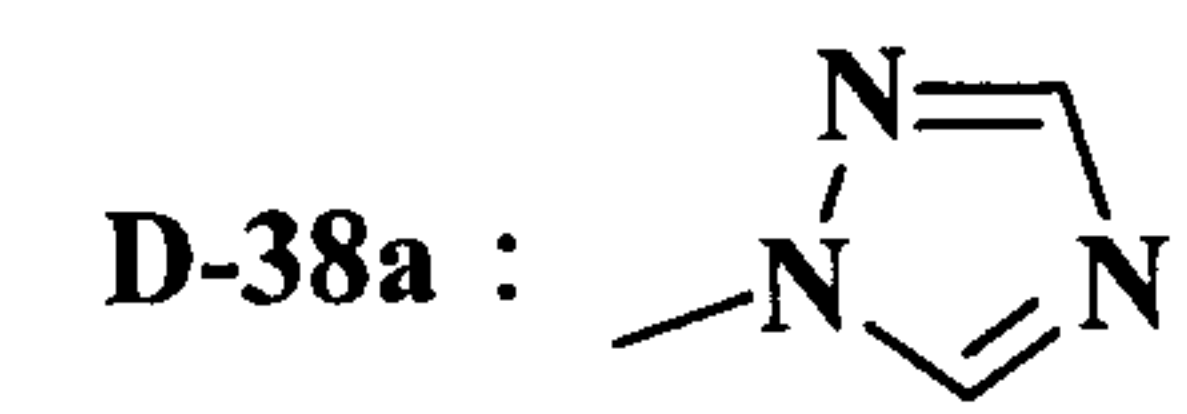
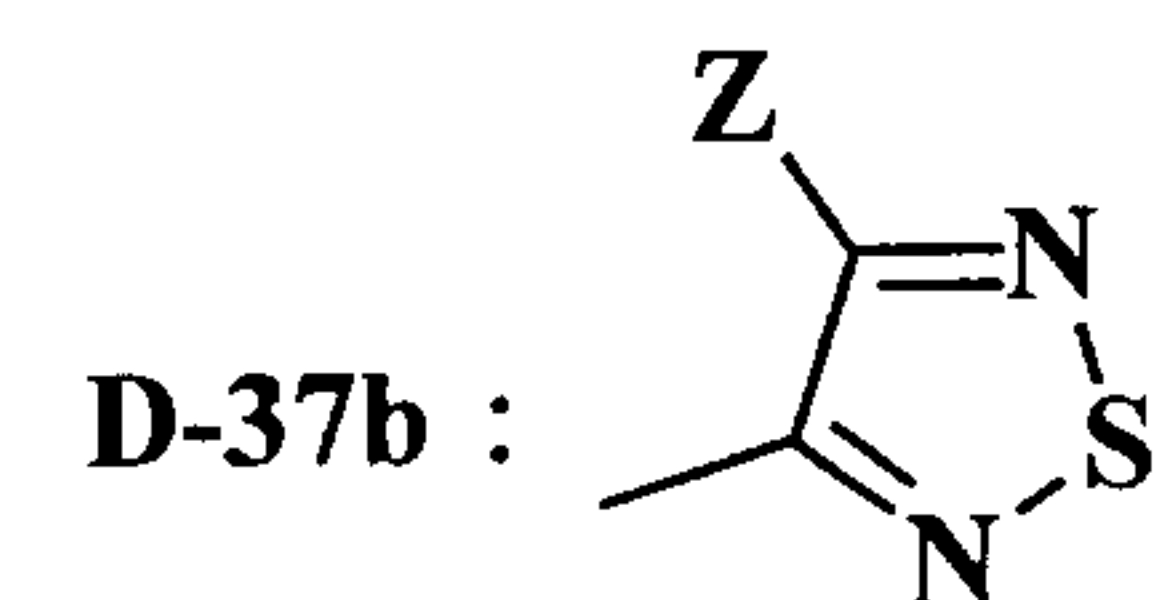
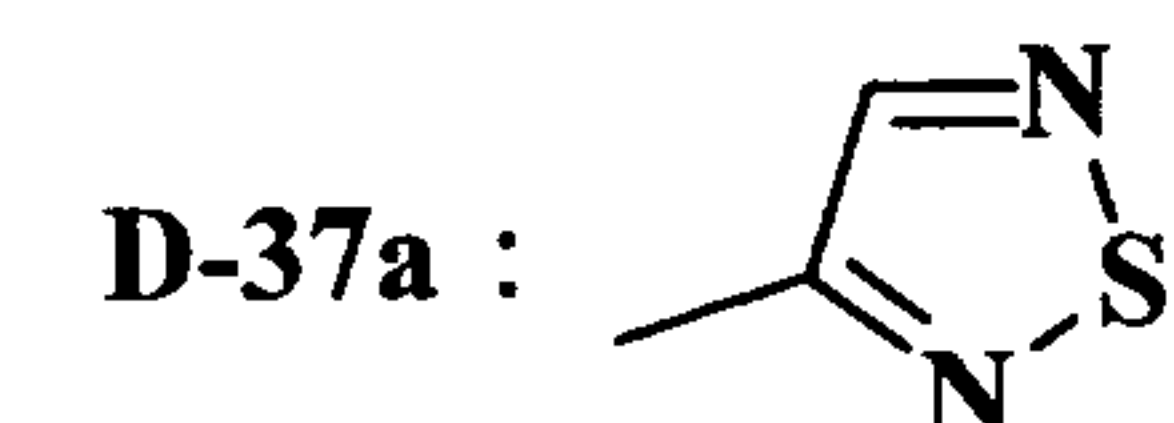
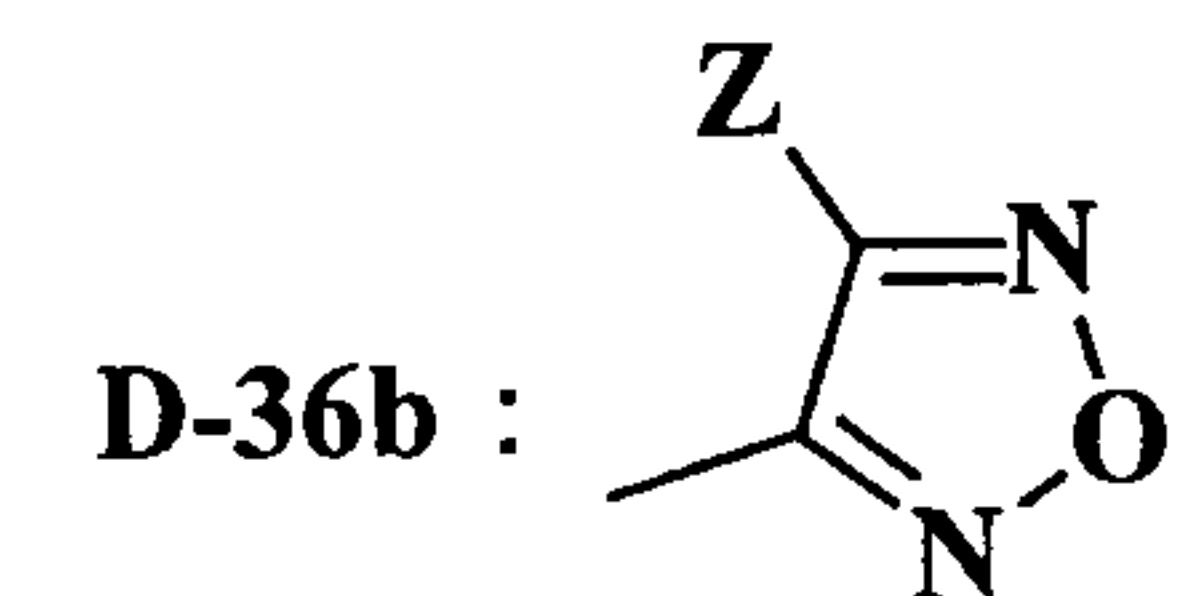
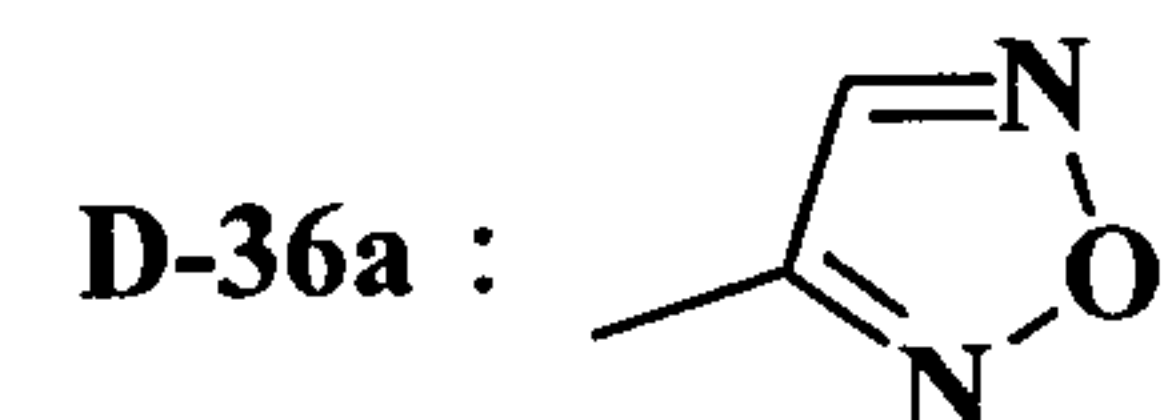
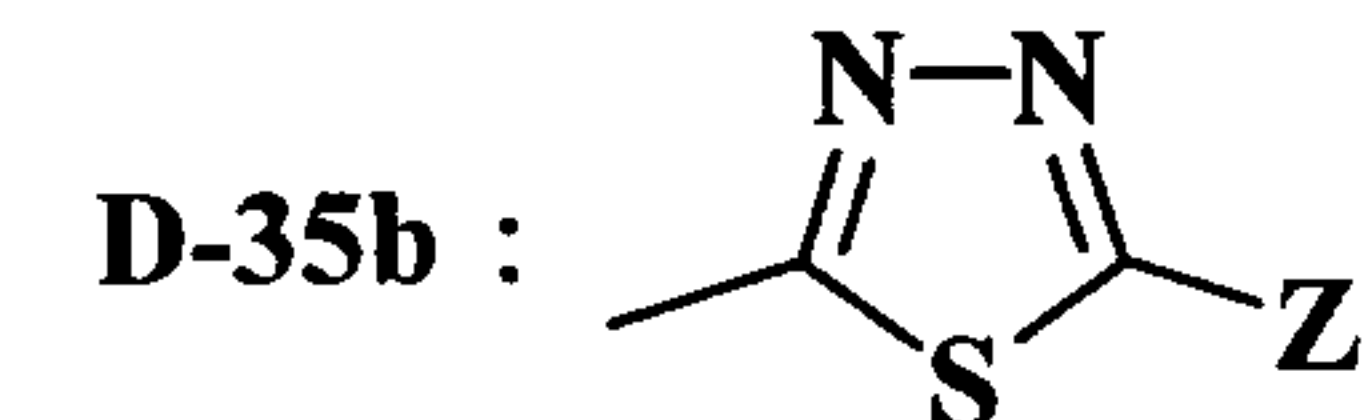
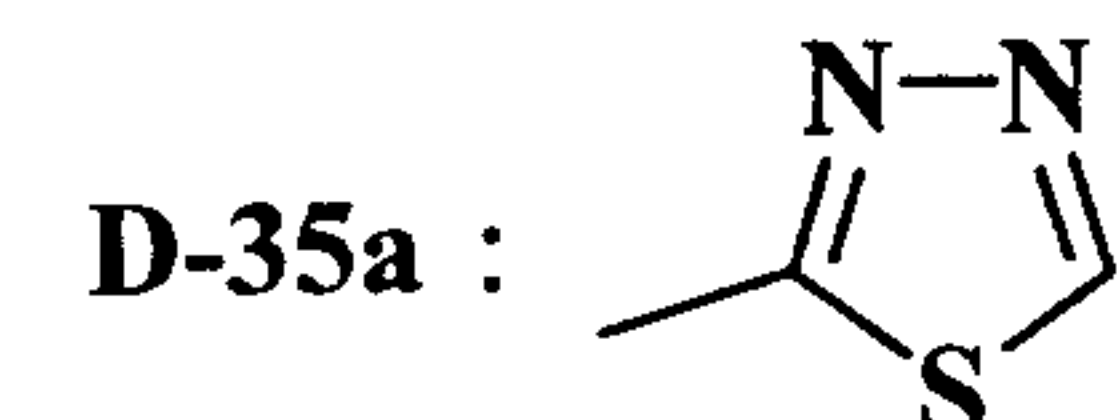
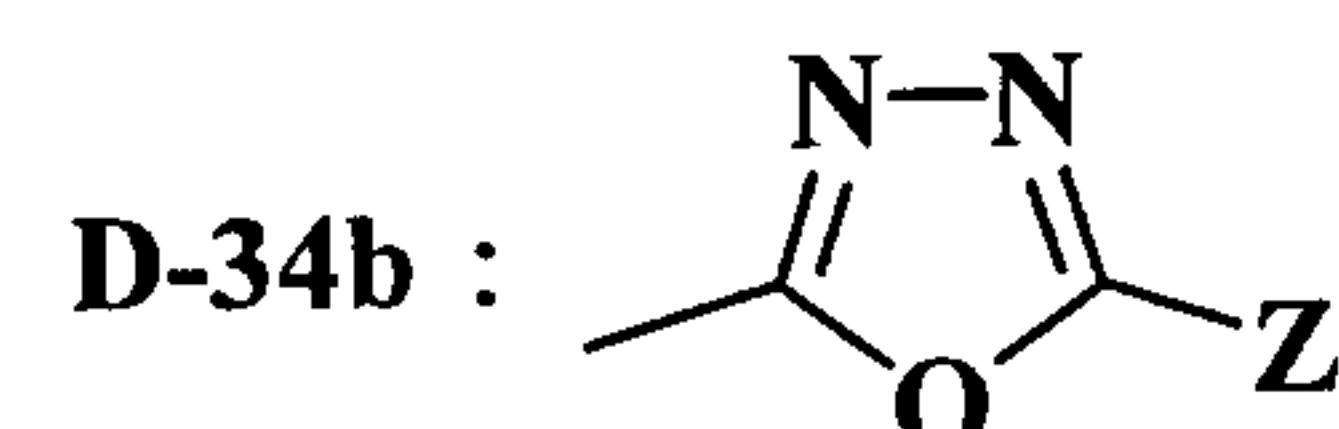
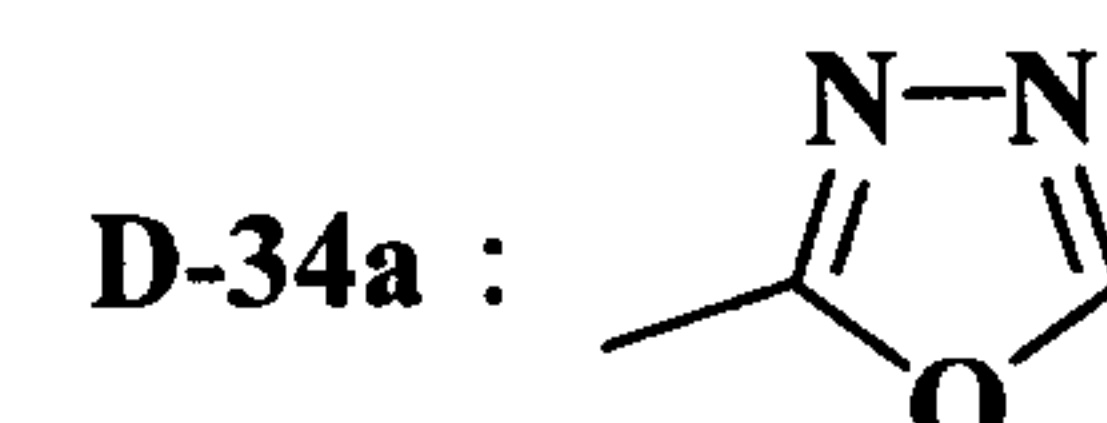
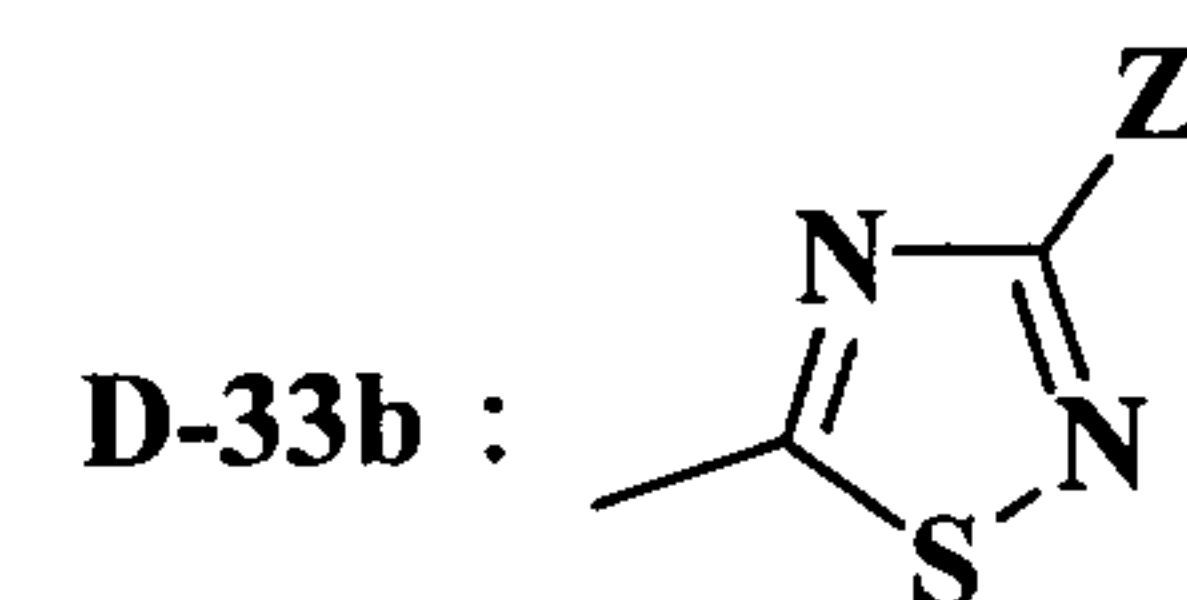
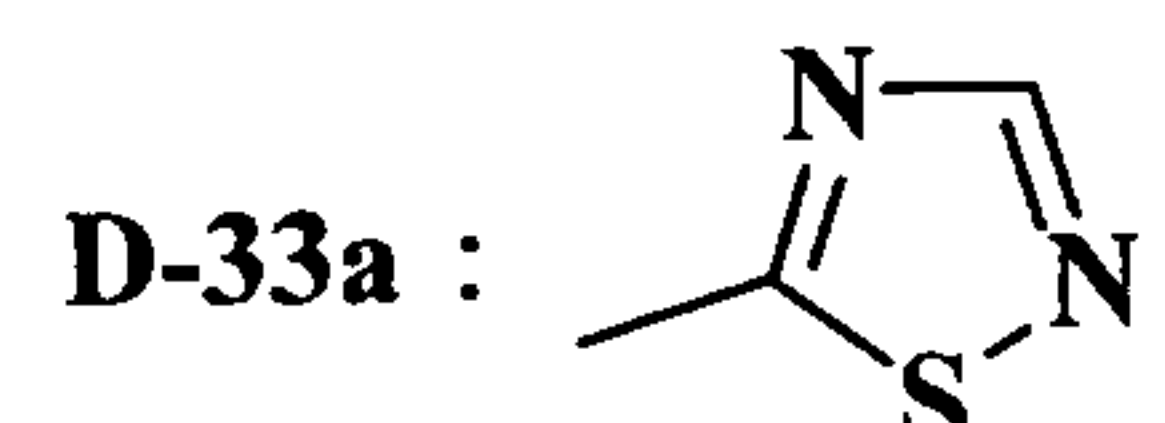
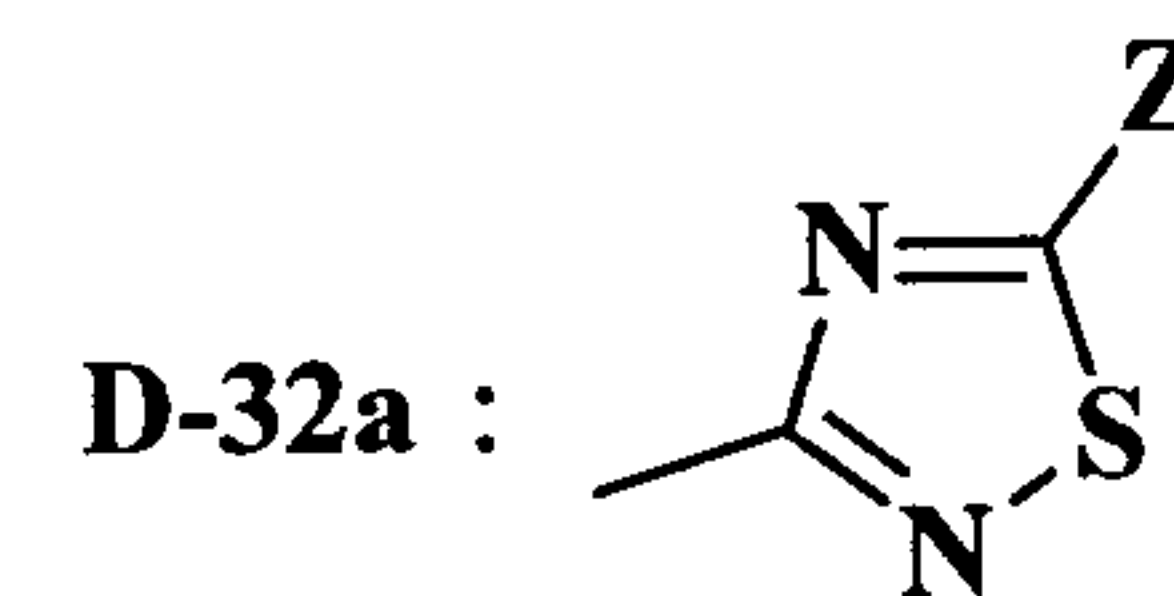
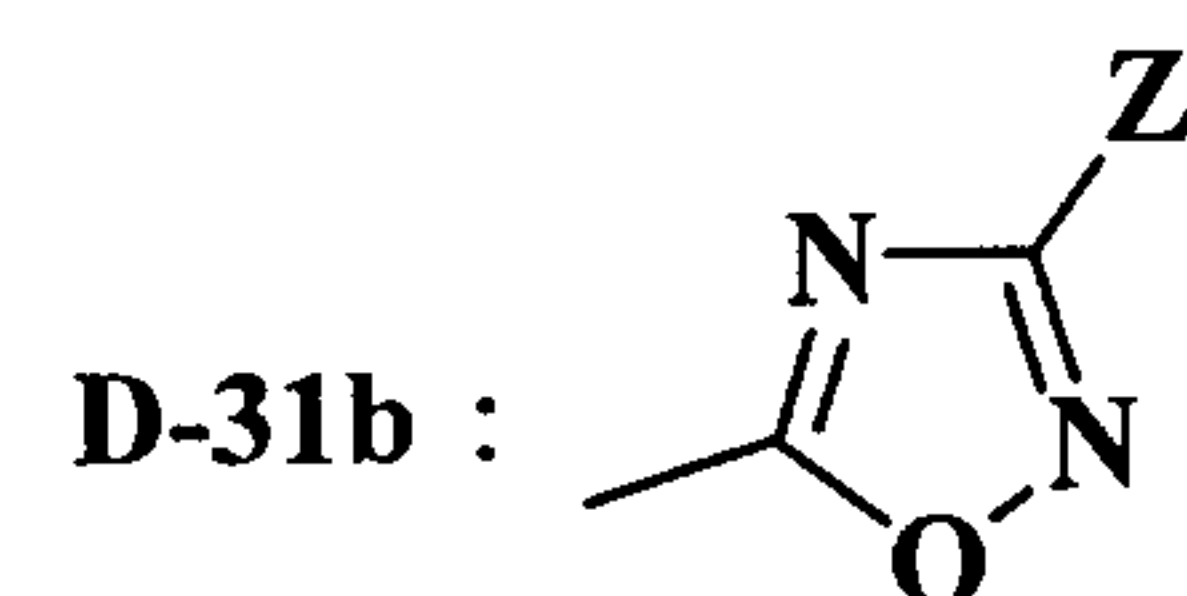
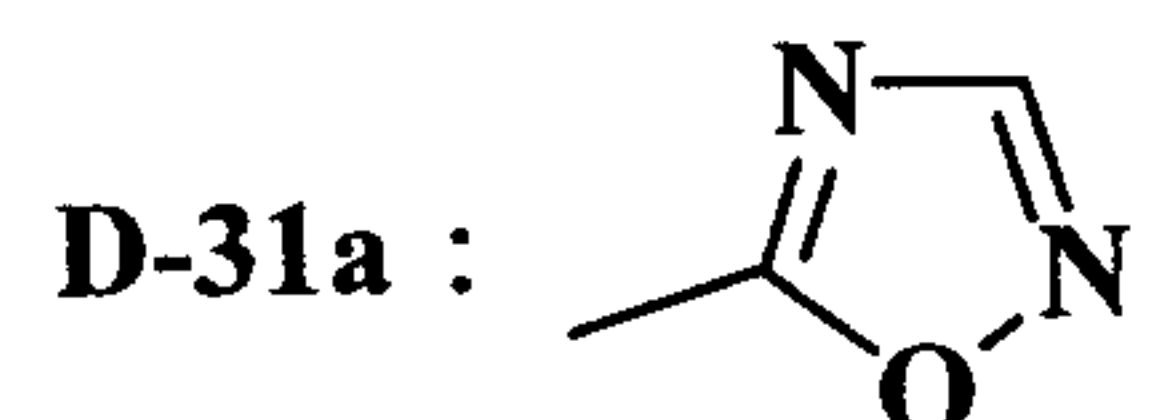
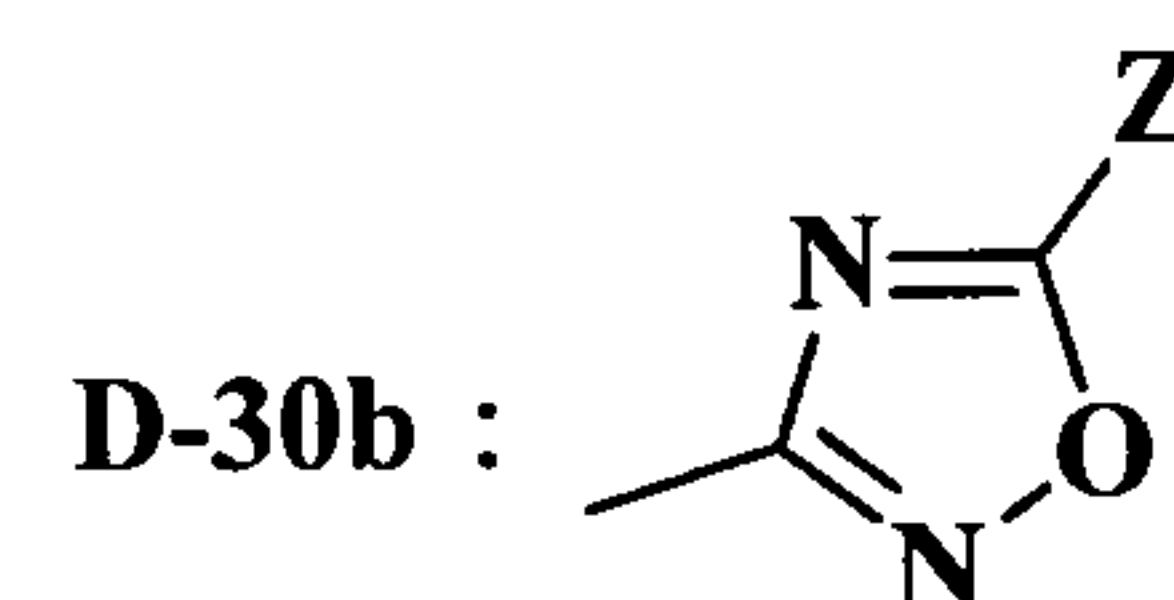
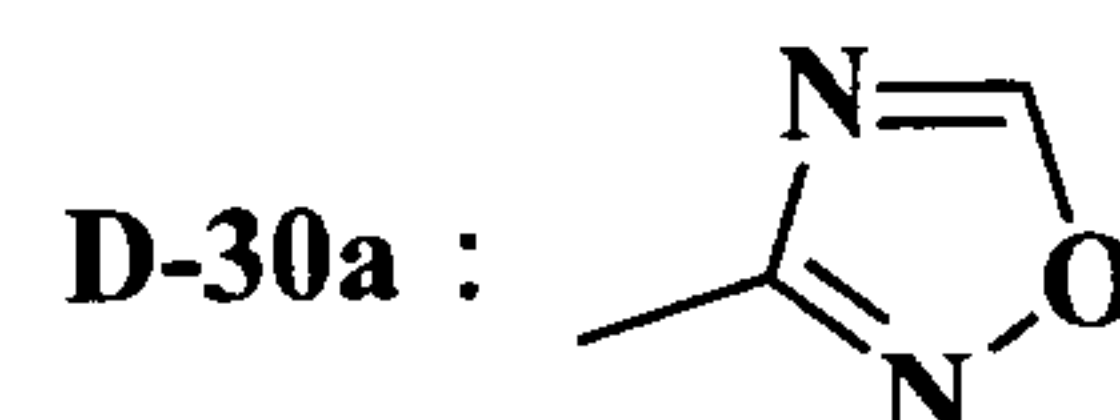
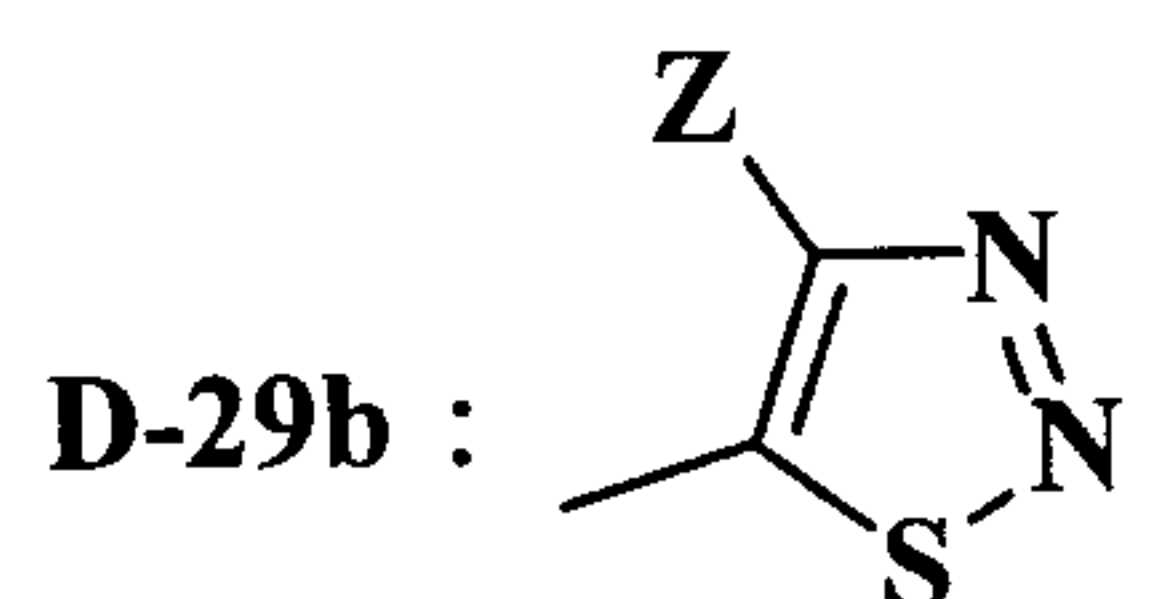
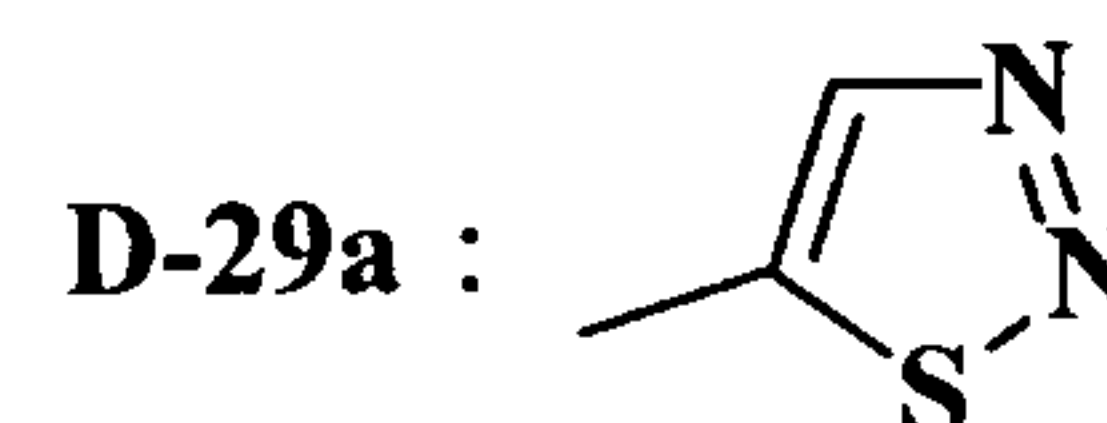
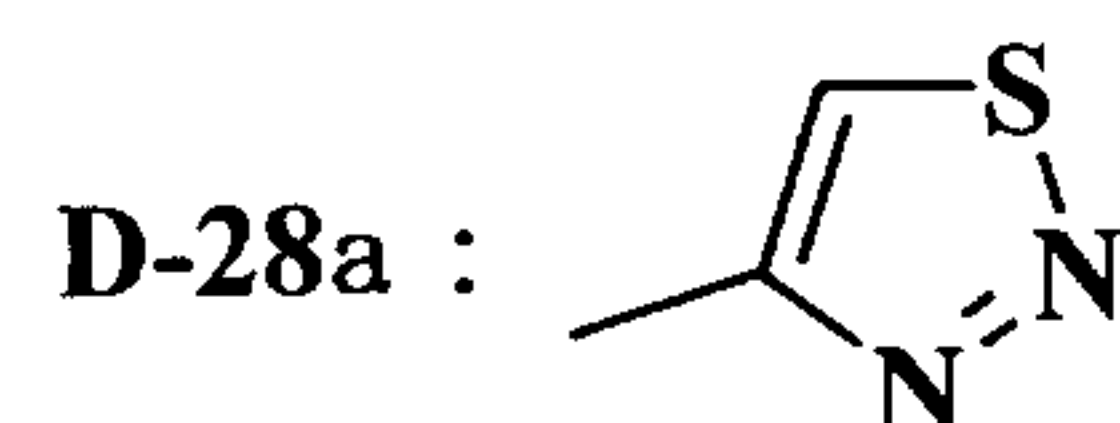
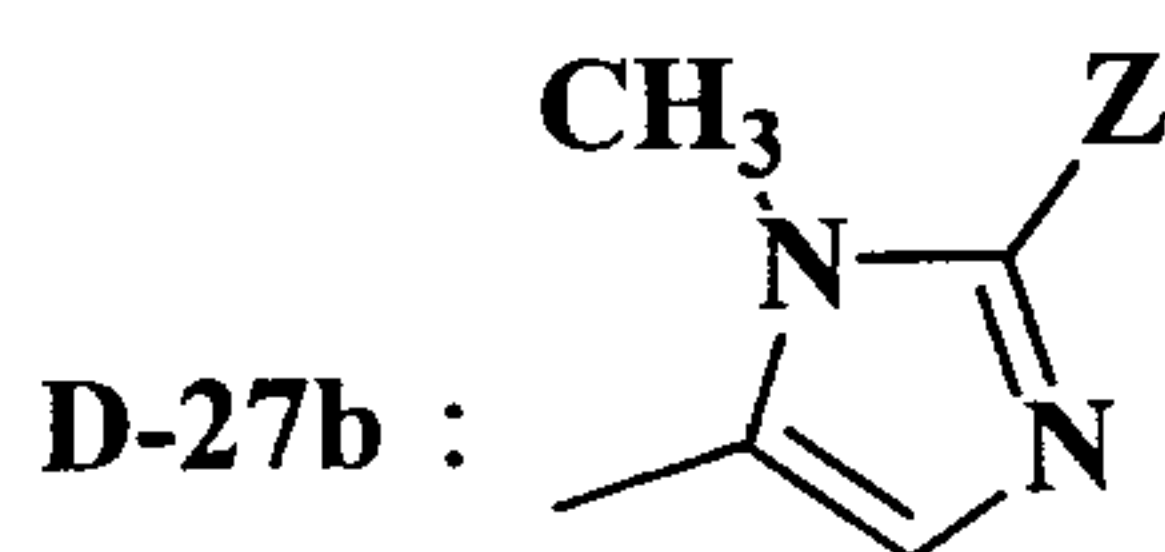
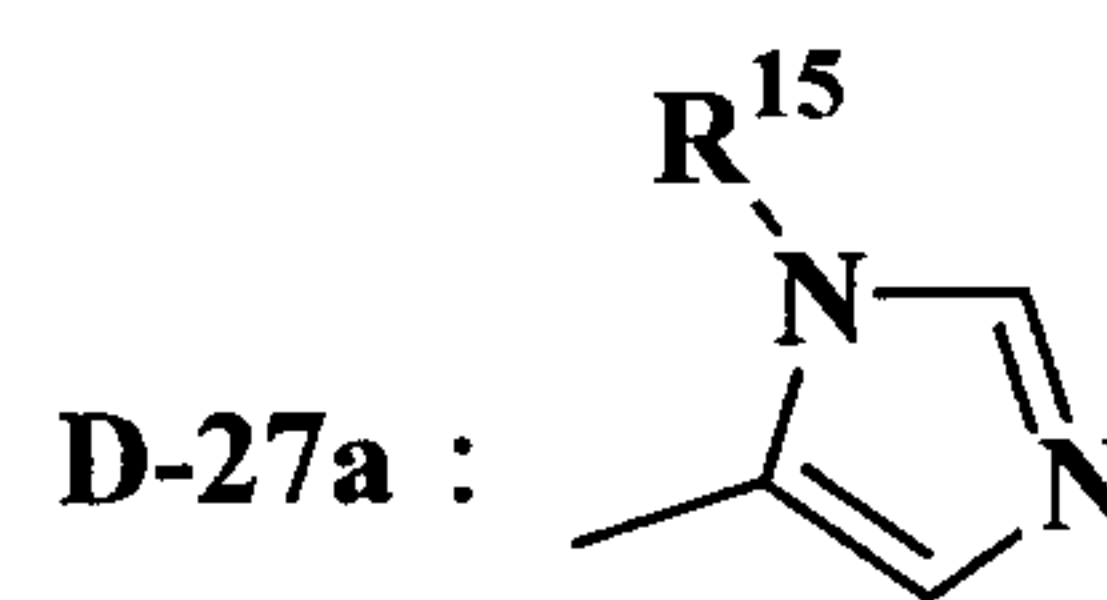
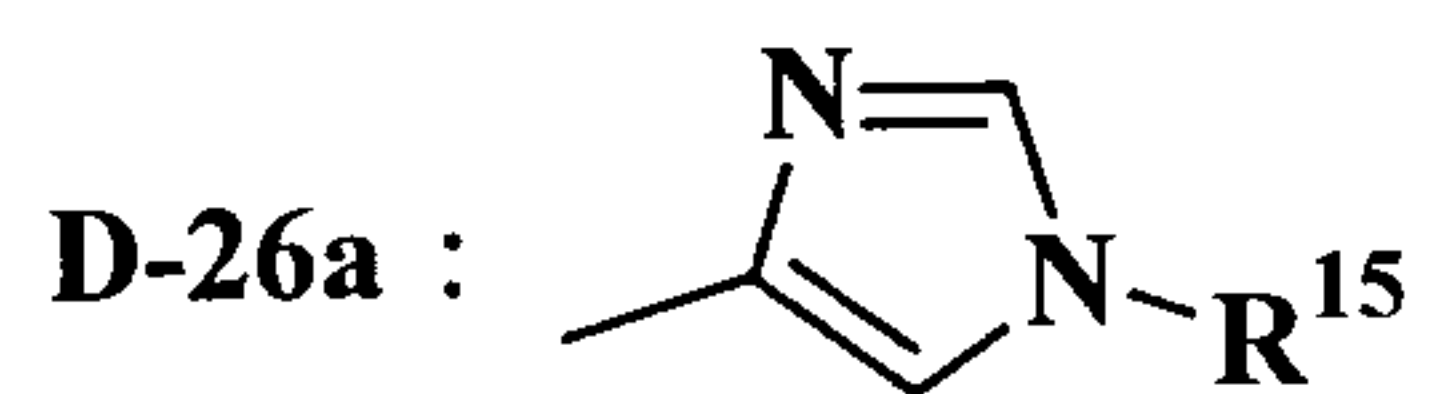
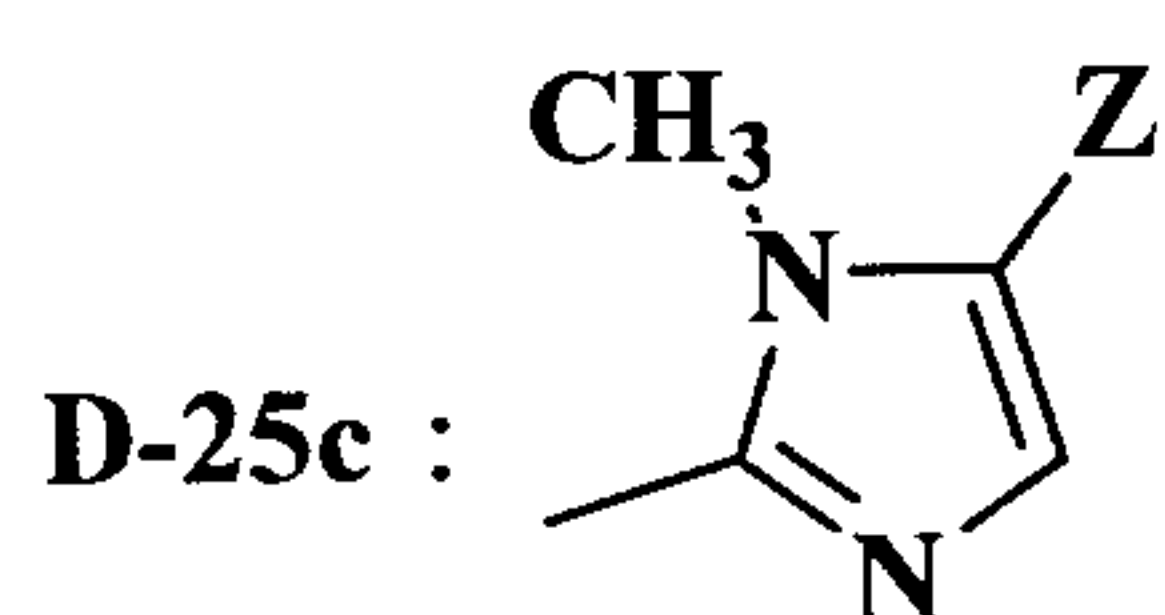
[0151] In addition, each production intermediate produced by the above-mentioned methods can be used for the following reaction step as such without isolation or purification.

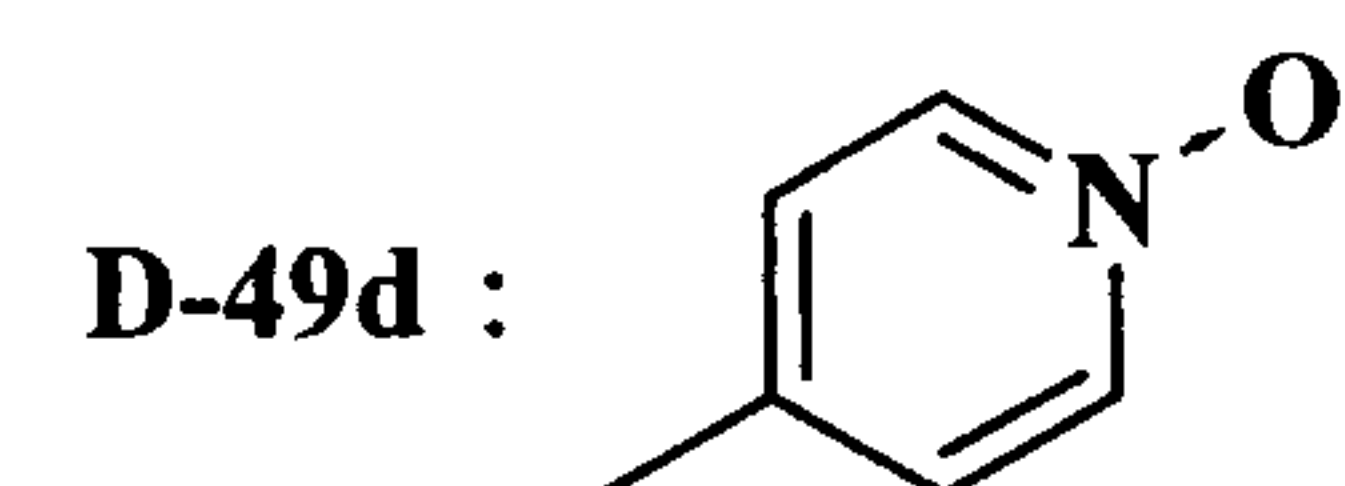
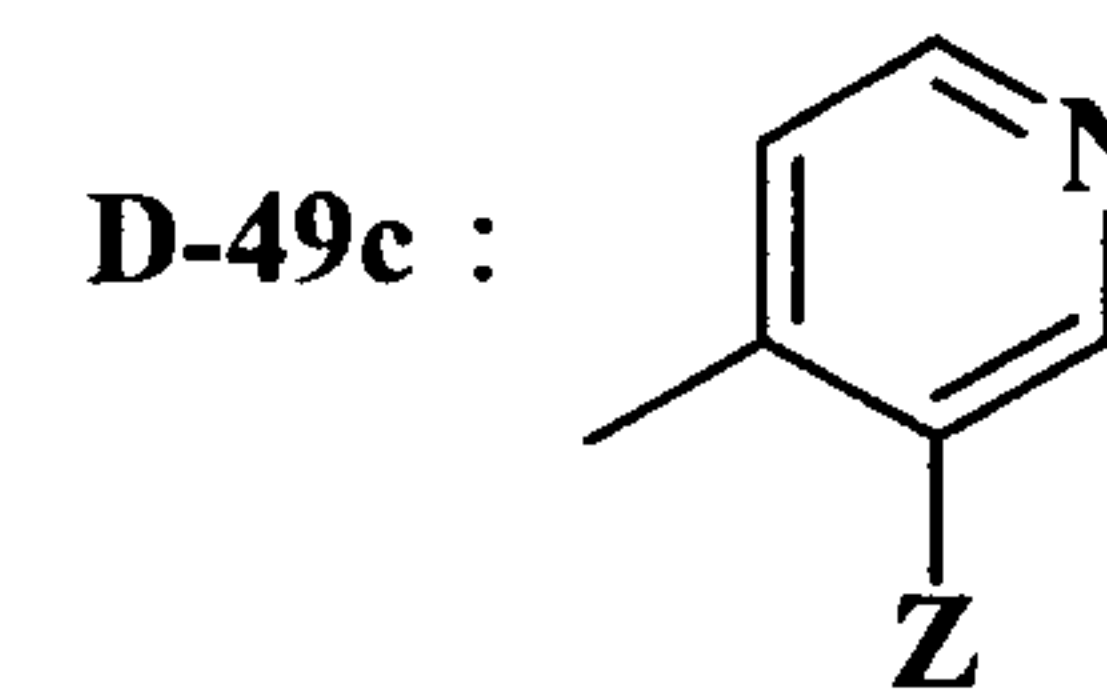
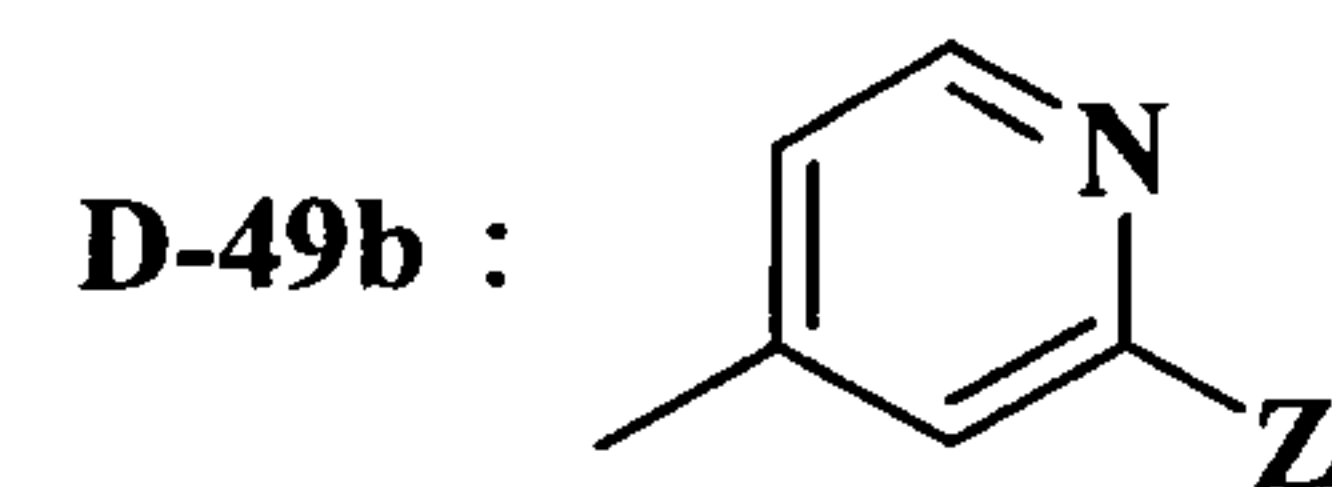
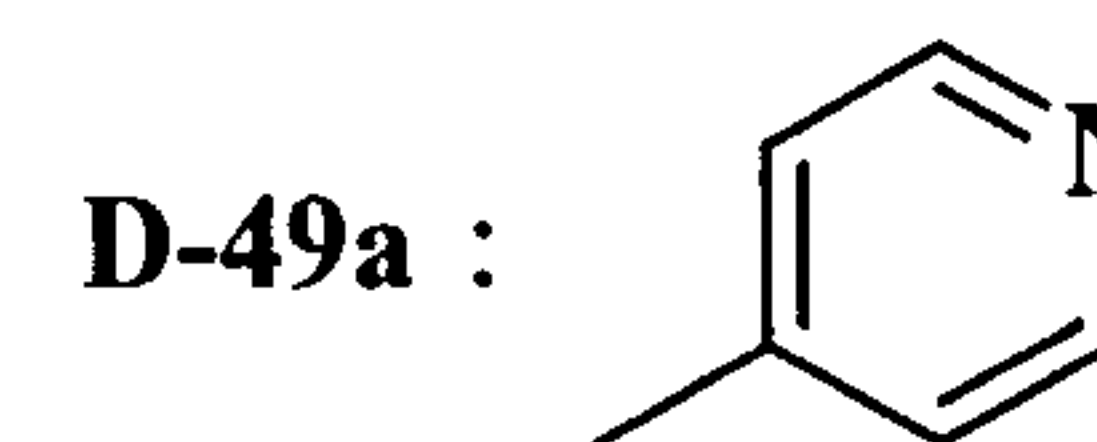
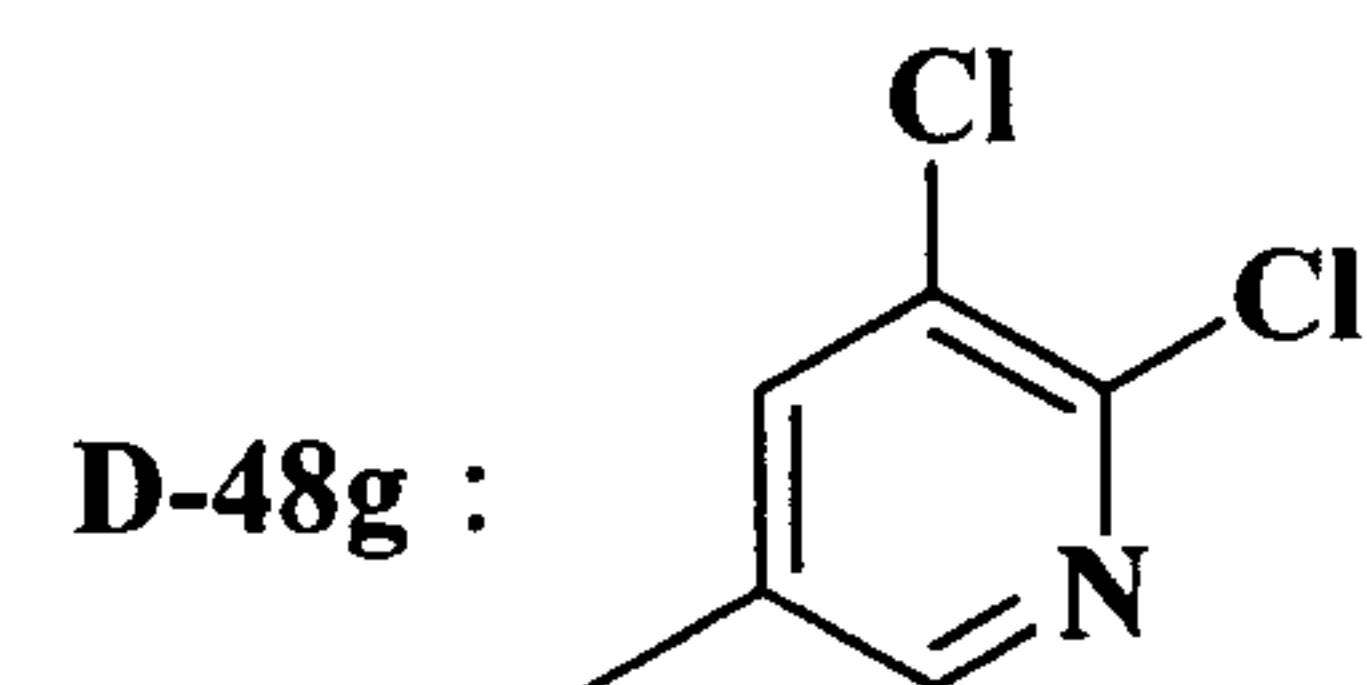
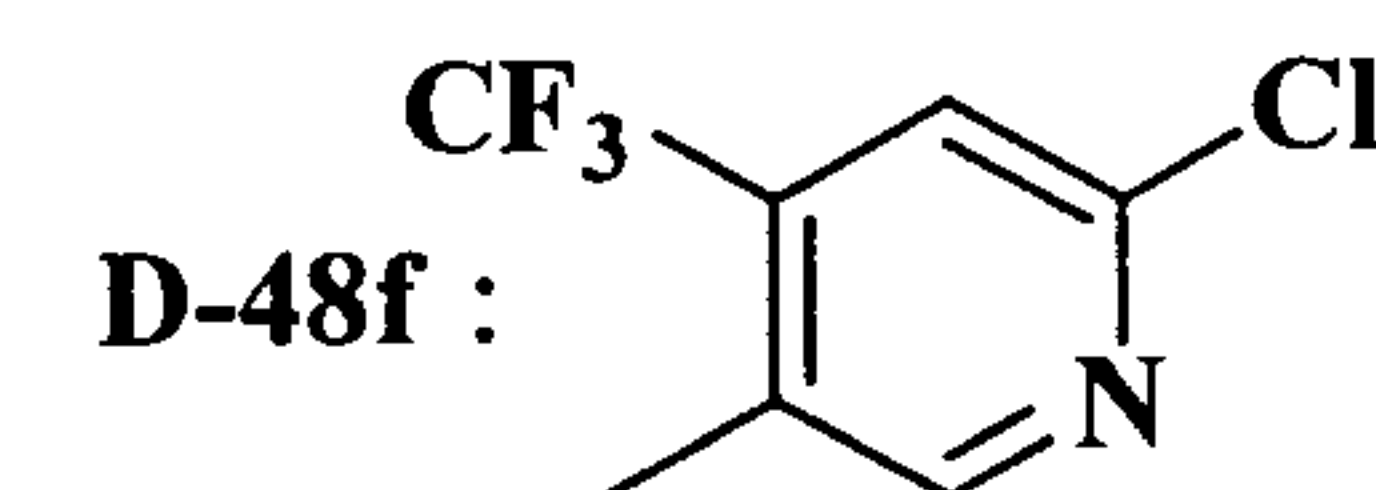
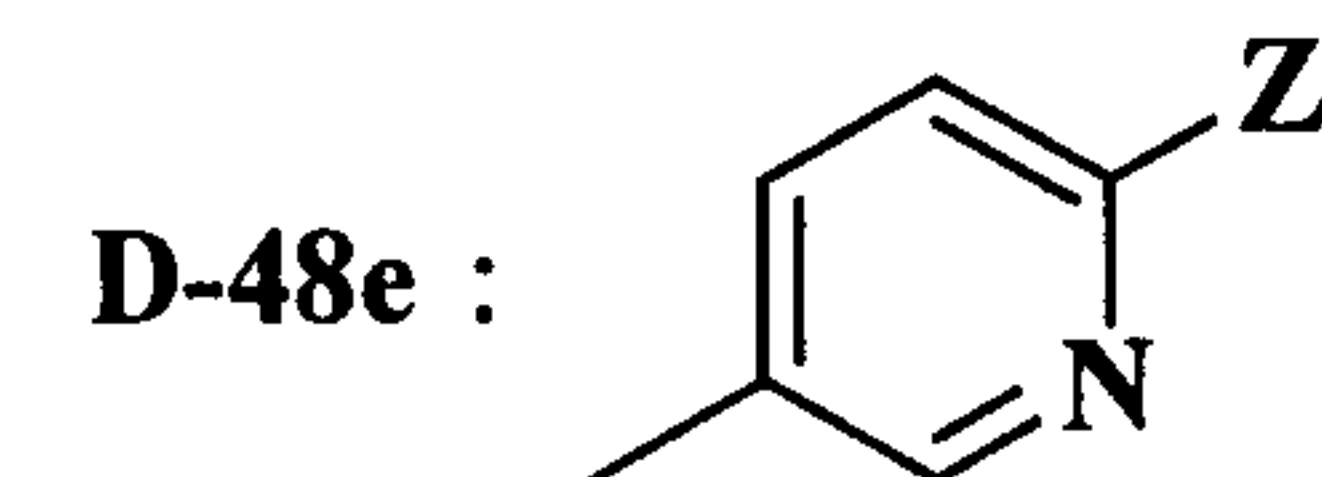
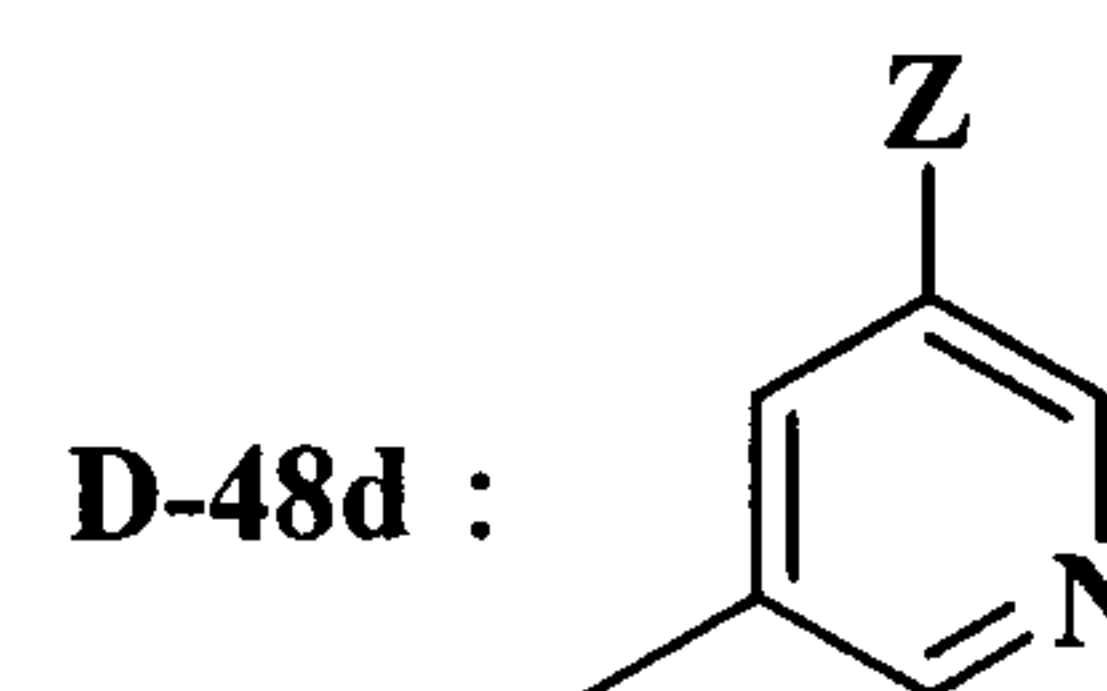
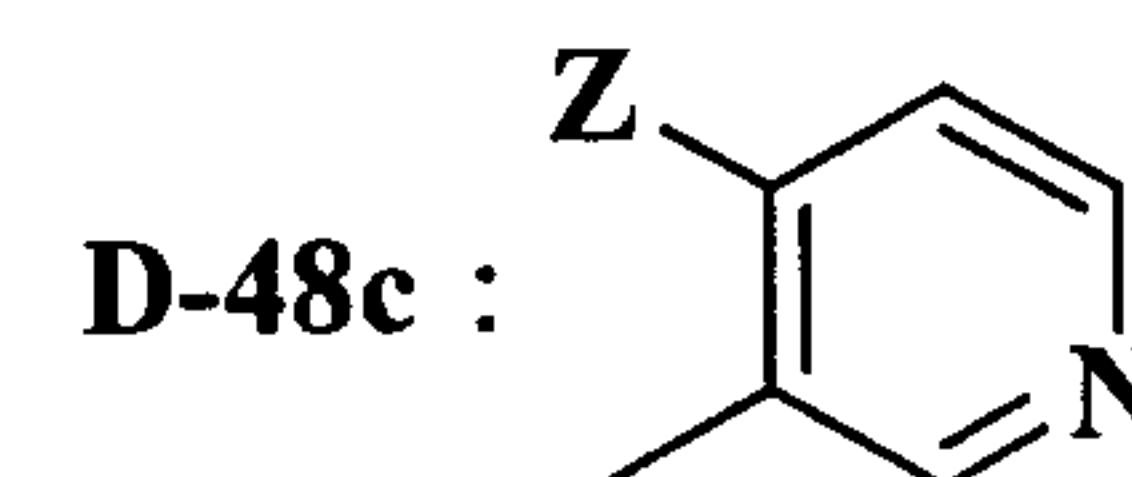
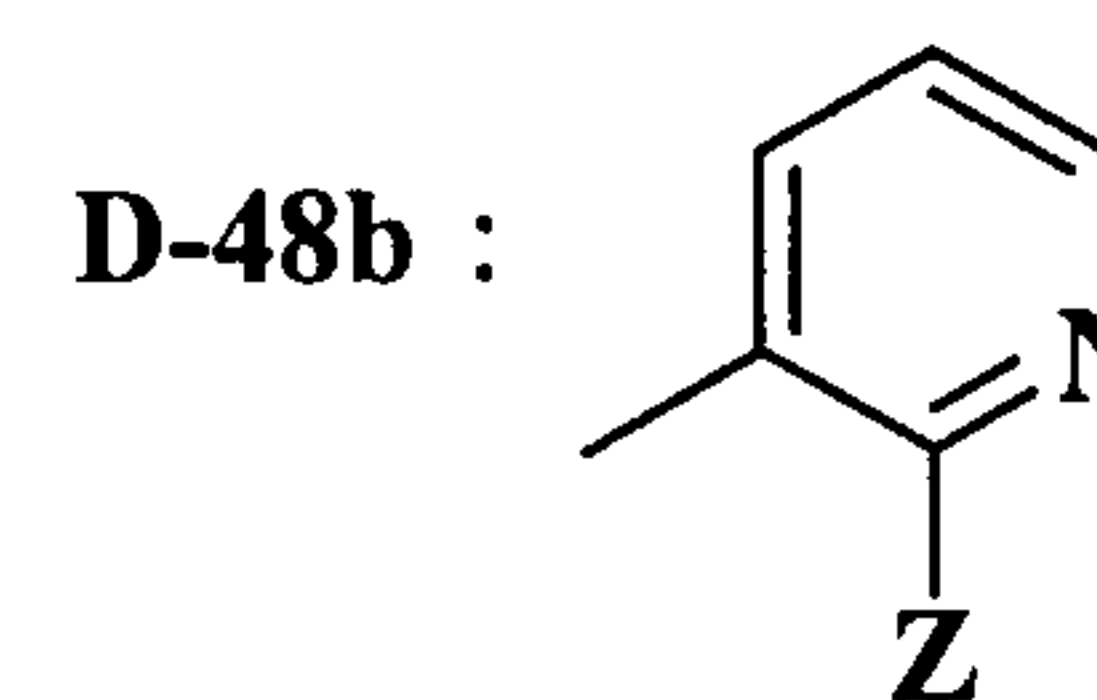
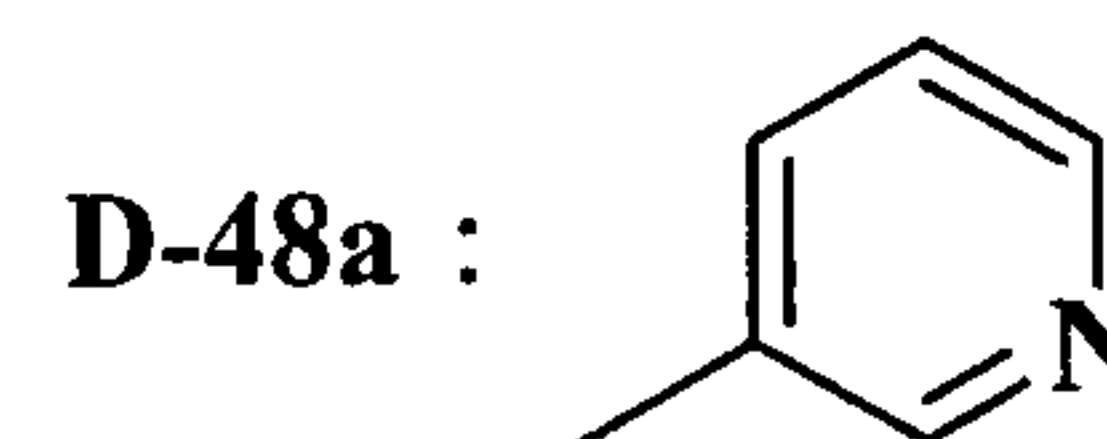
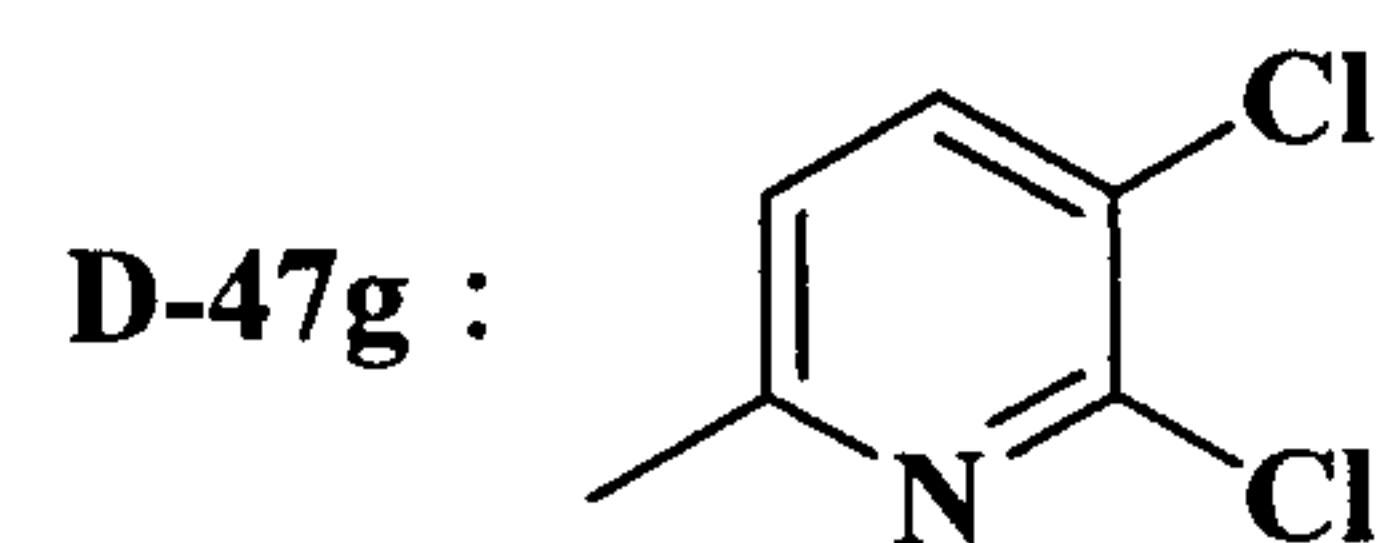
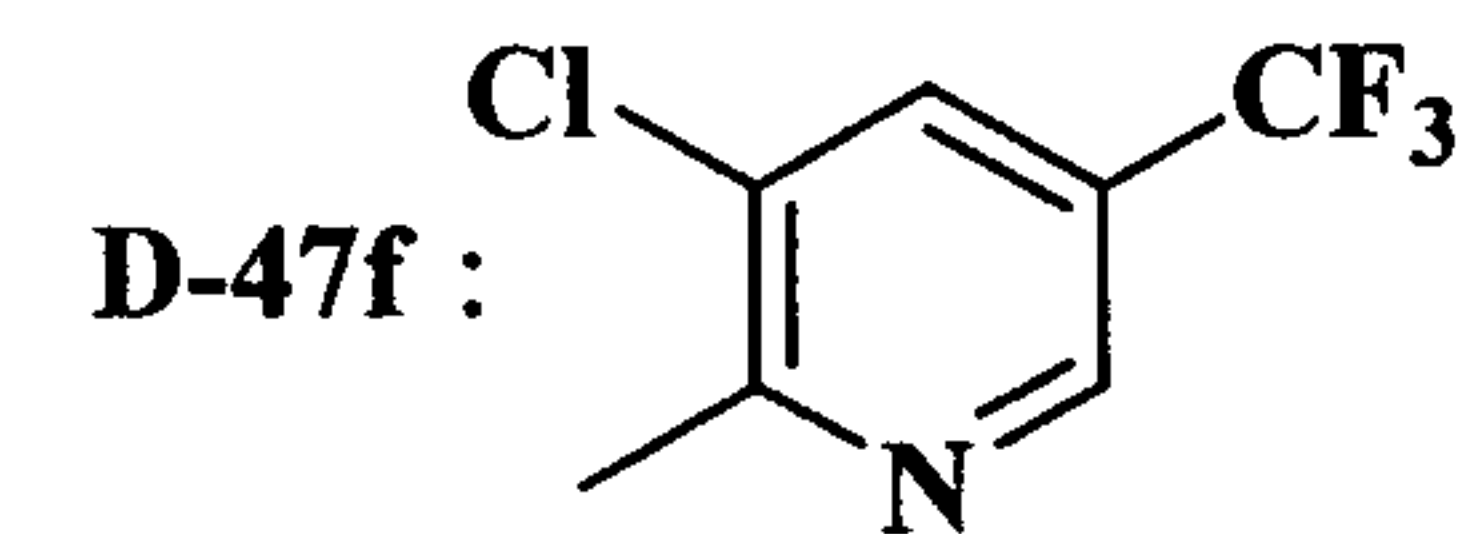
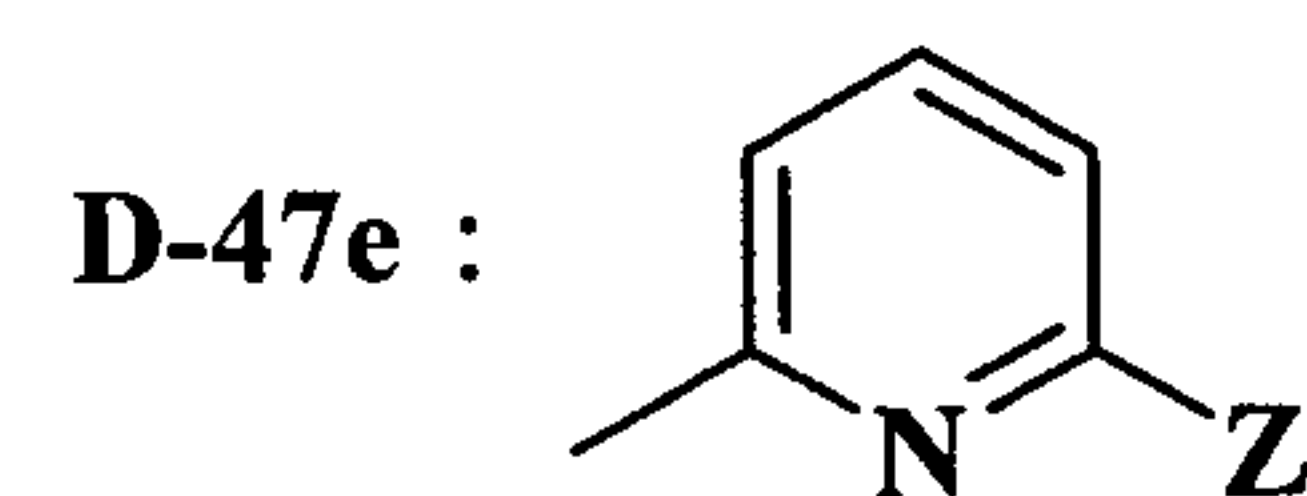
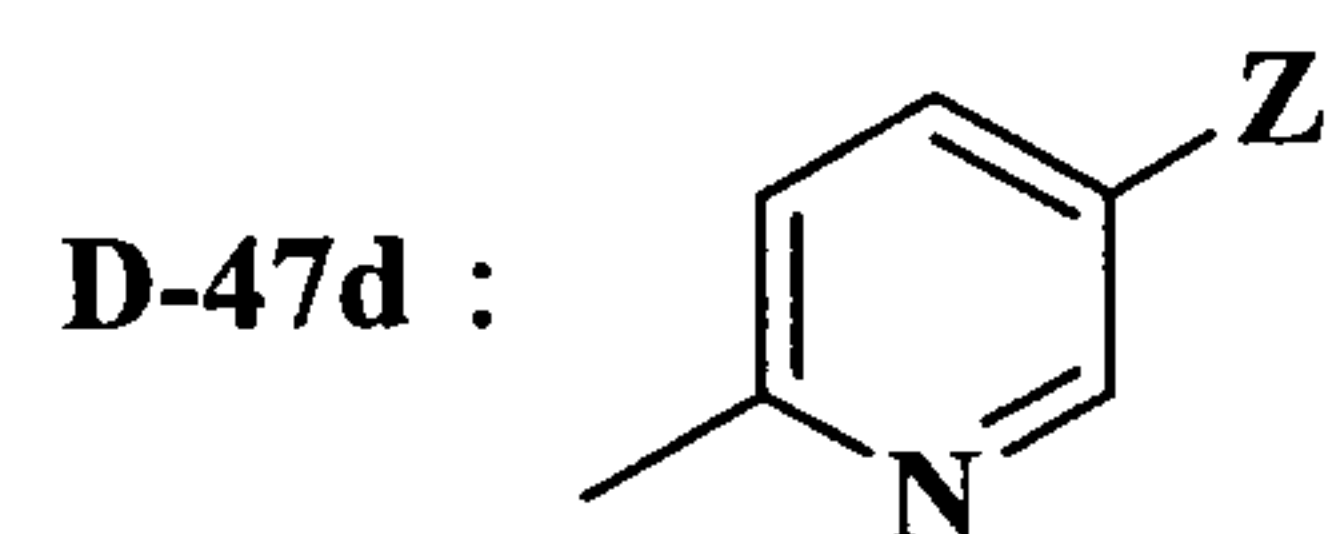
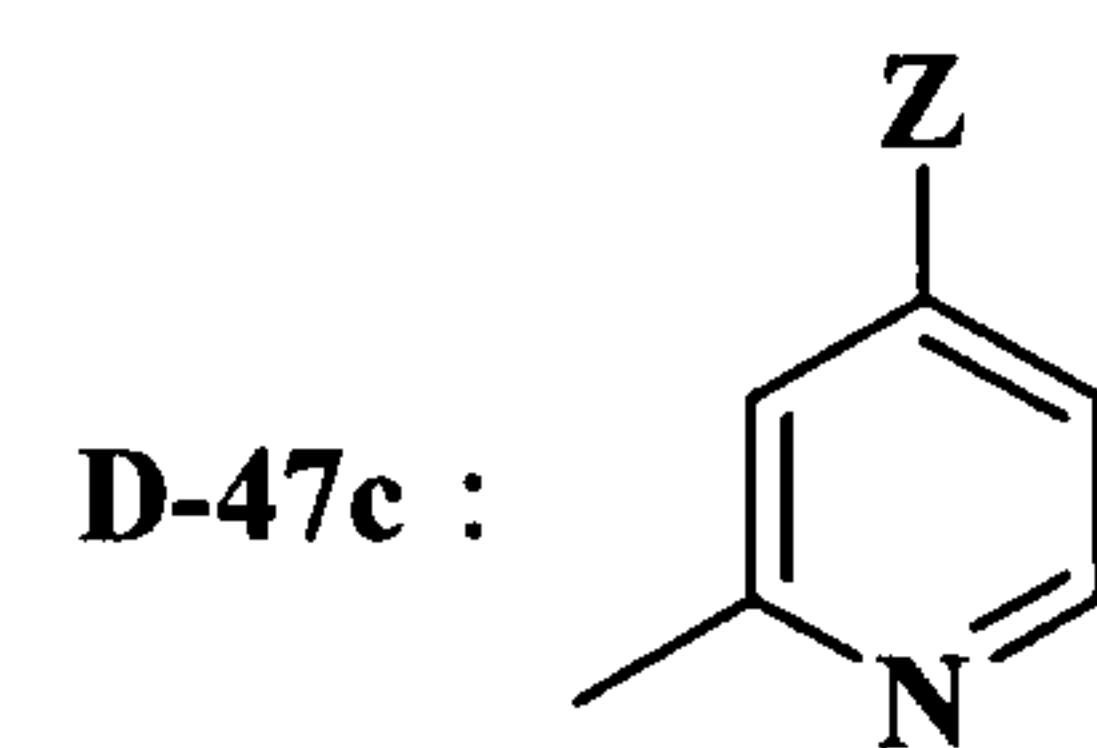
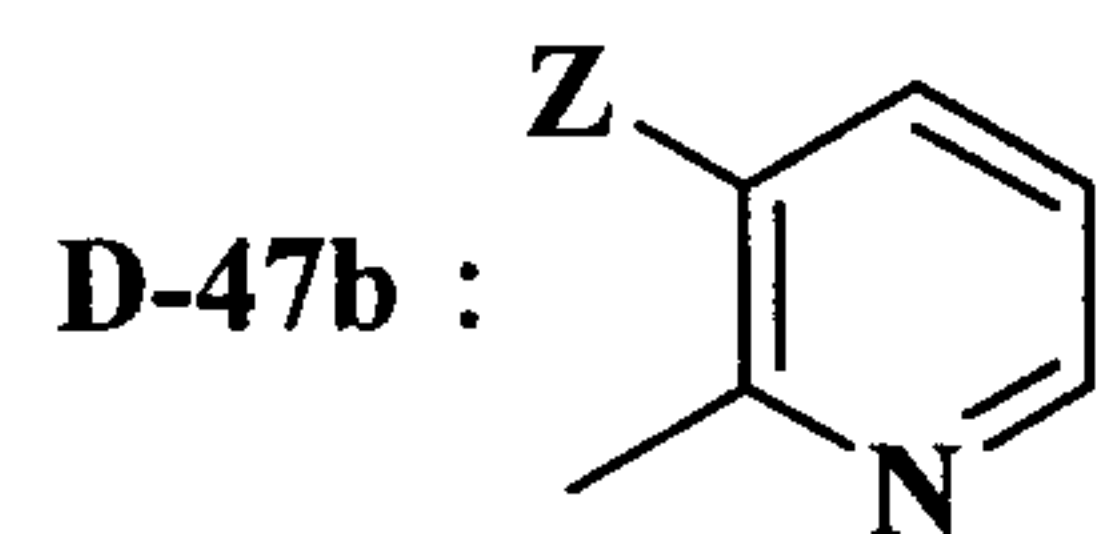
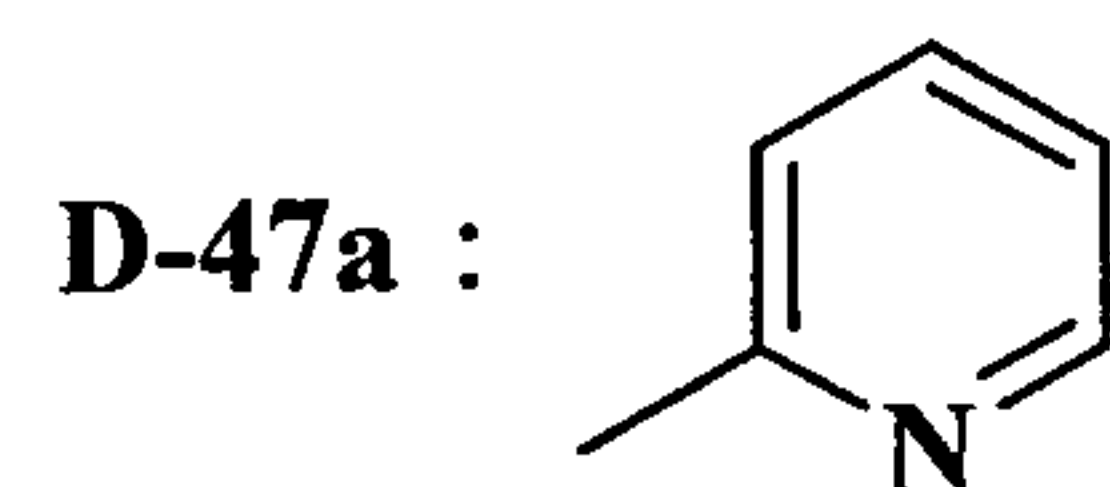
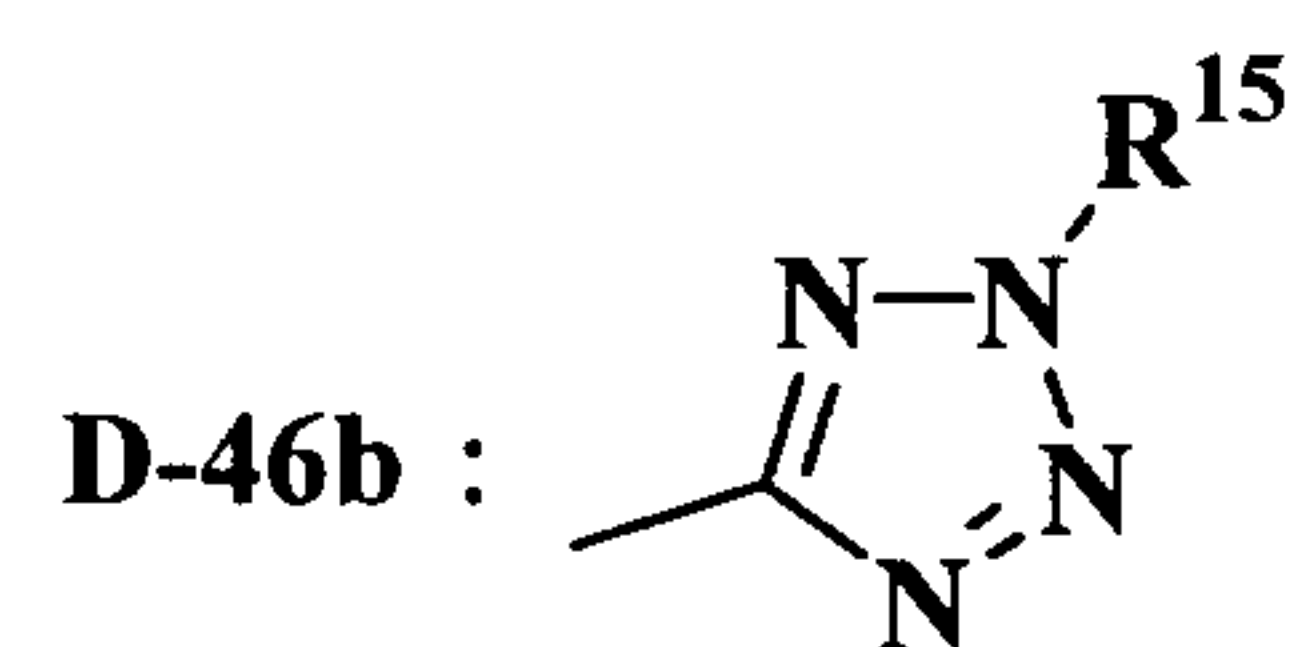
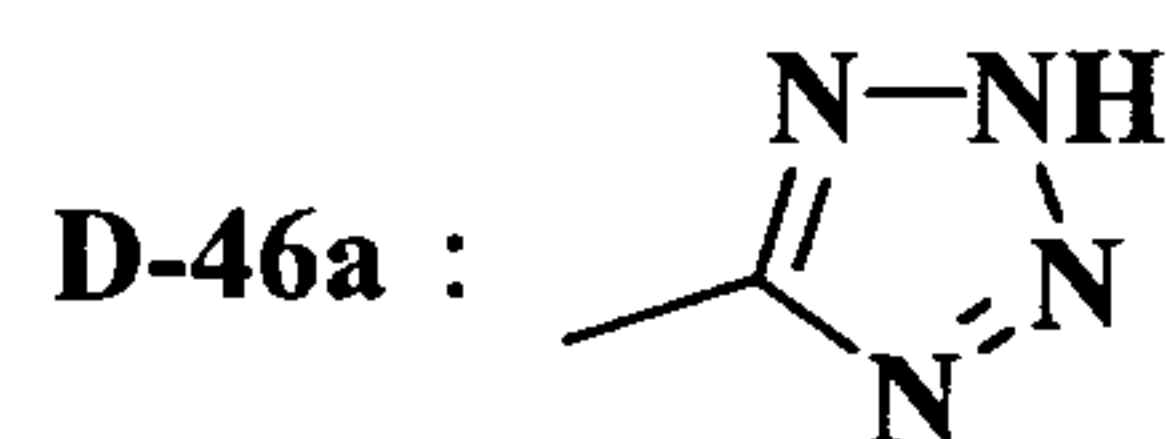
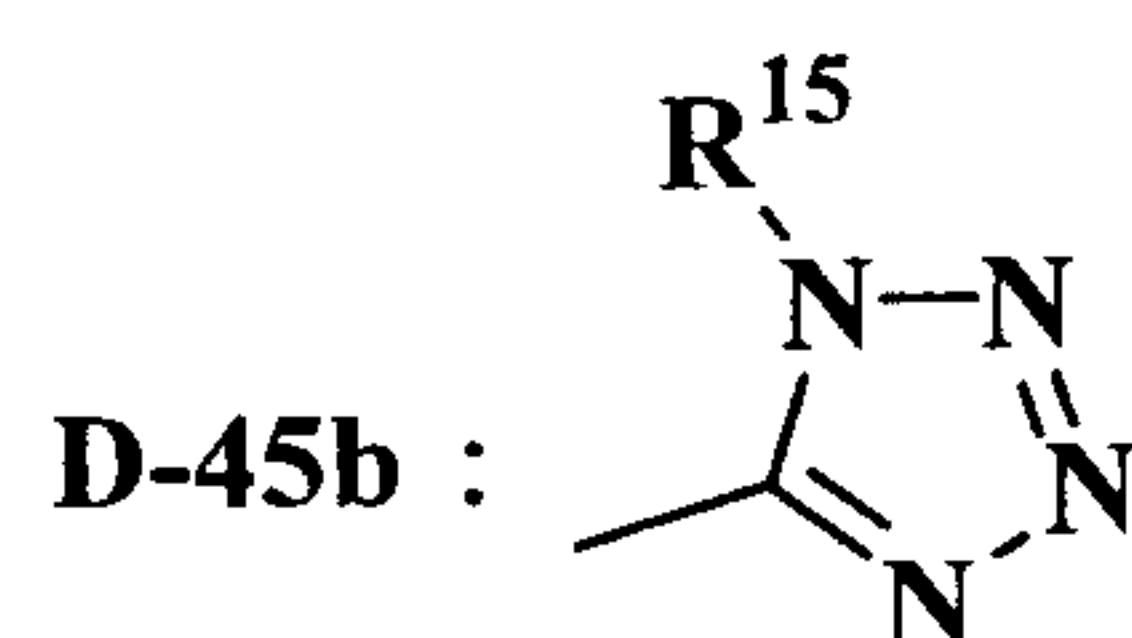
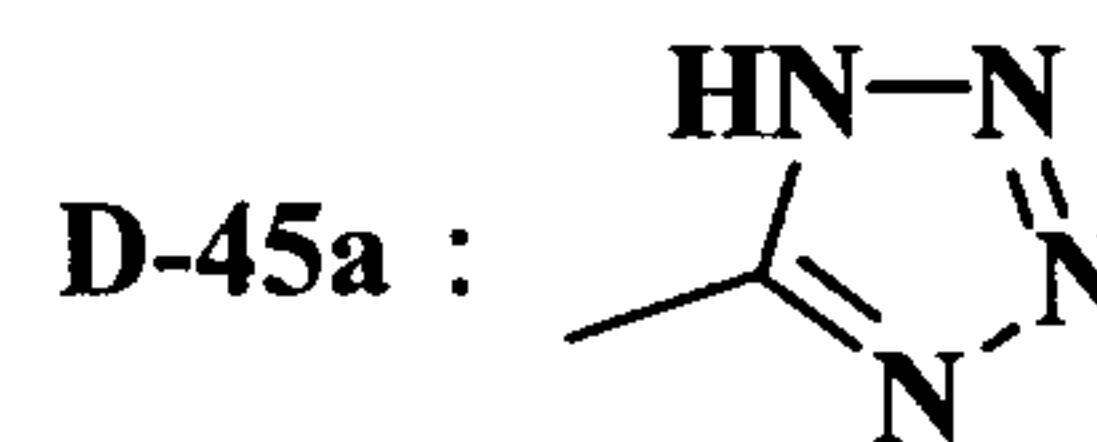
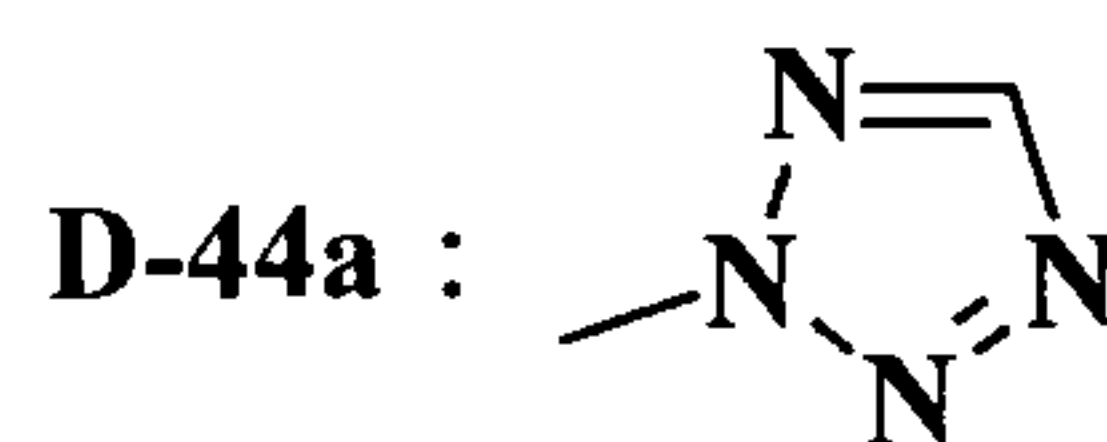
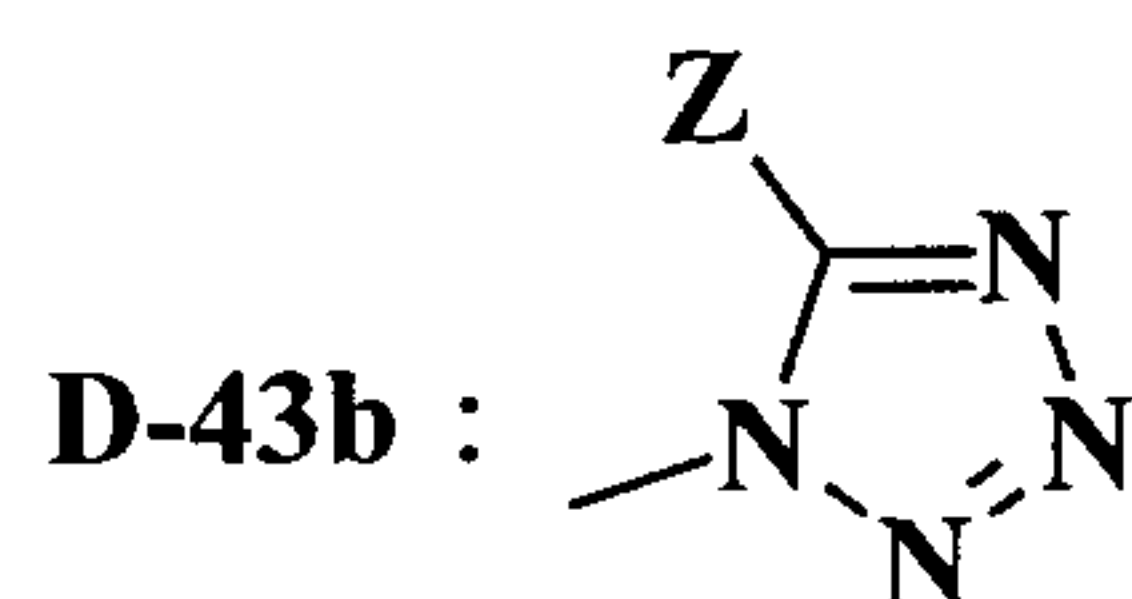
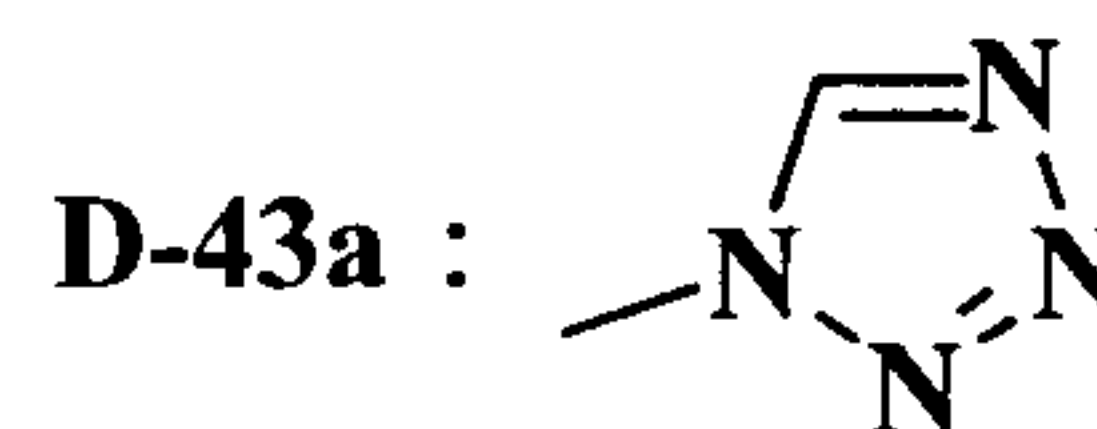
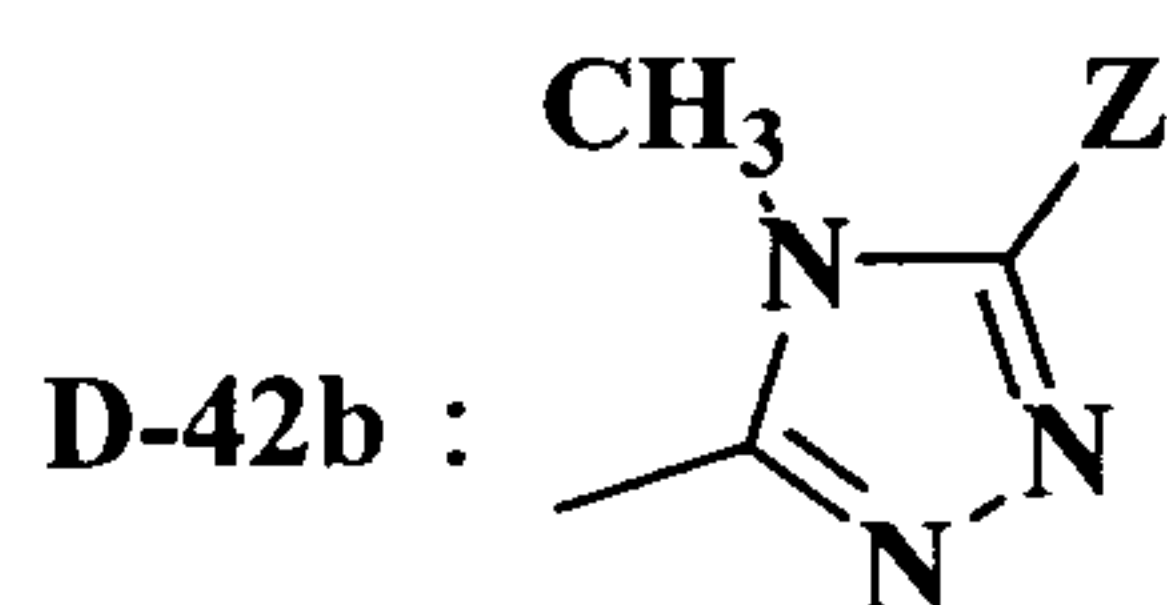
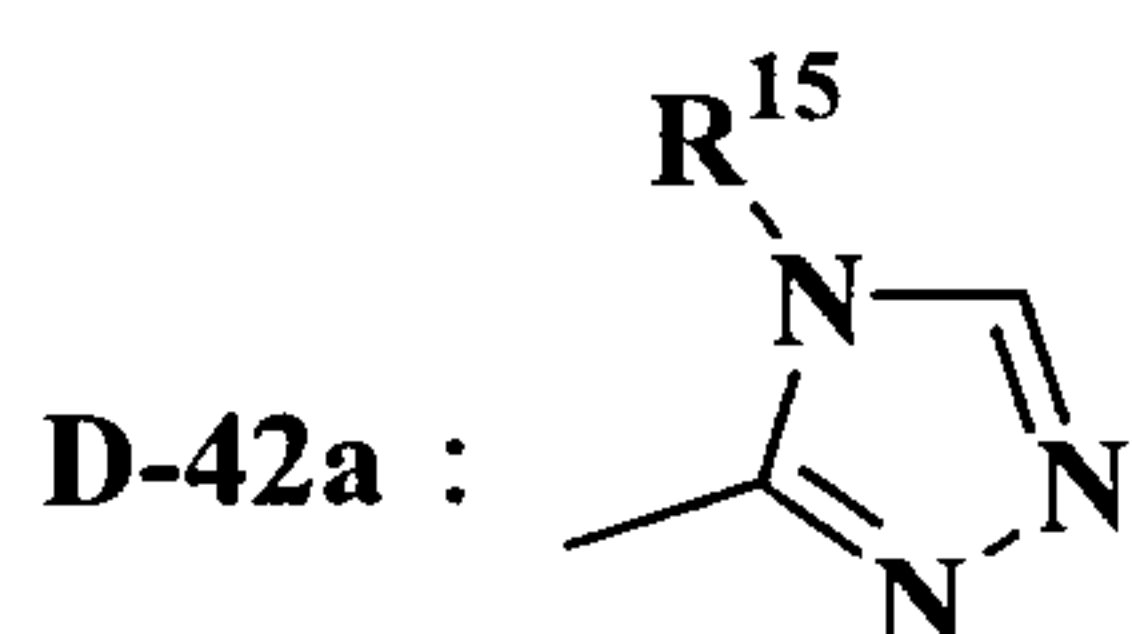
[0152] The active compounds included in the present invention concretely include for example the compounds shown in Tables 2 and 3. The compounds that can be used as novel production intermediates for producing the active compounds included in the present invention concretely include for example the compounds shown in Tables 4 to 6. In the interim, the compounds shown in Tables 2 to 6 are for purposes of illustration and the present invention is not limited thereto.

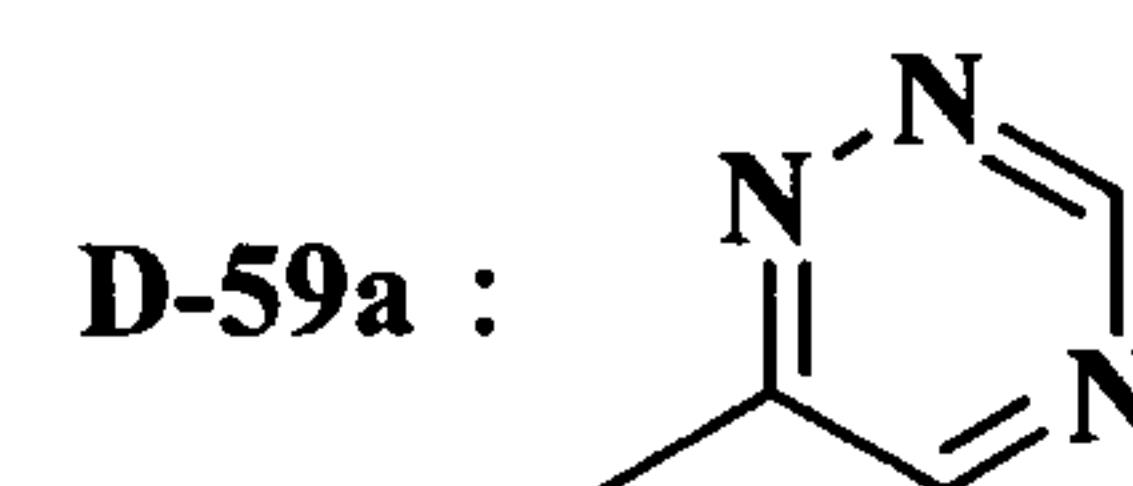
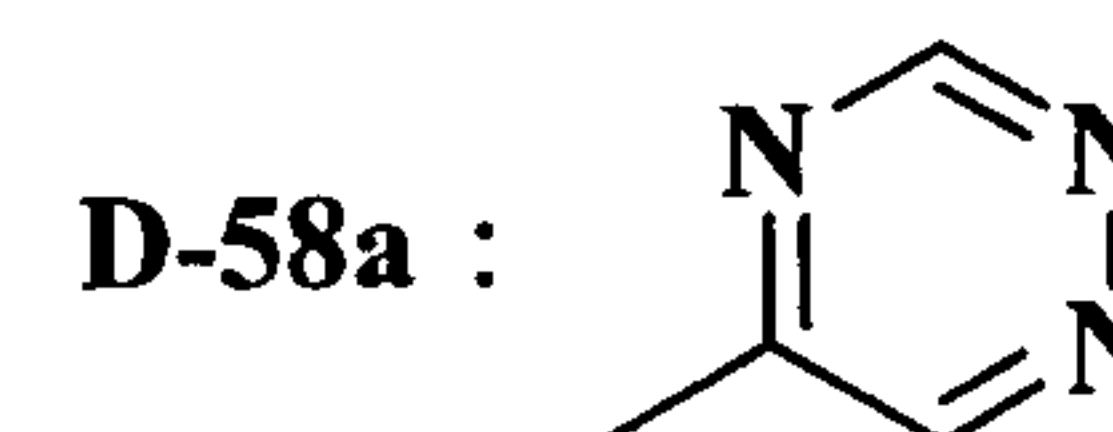
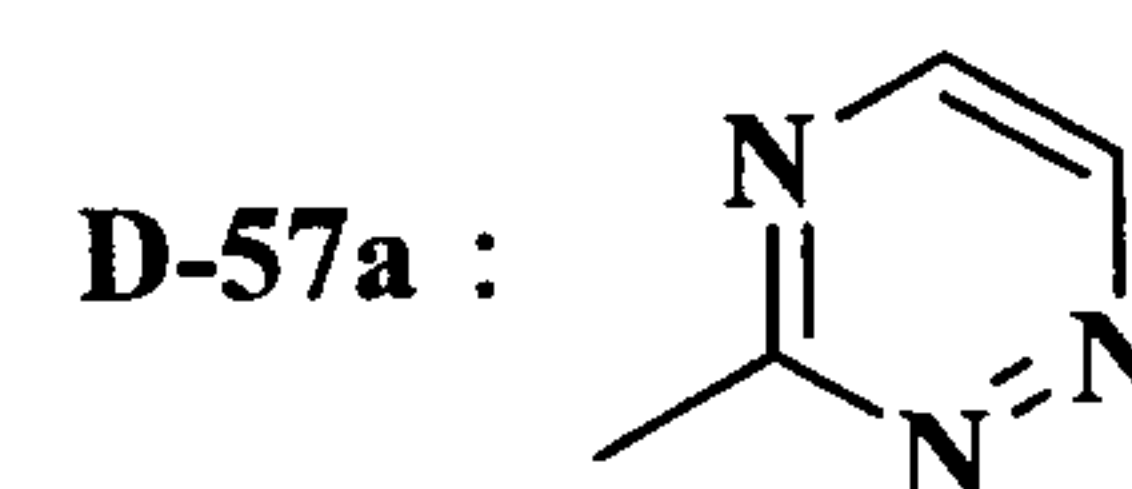
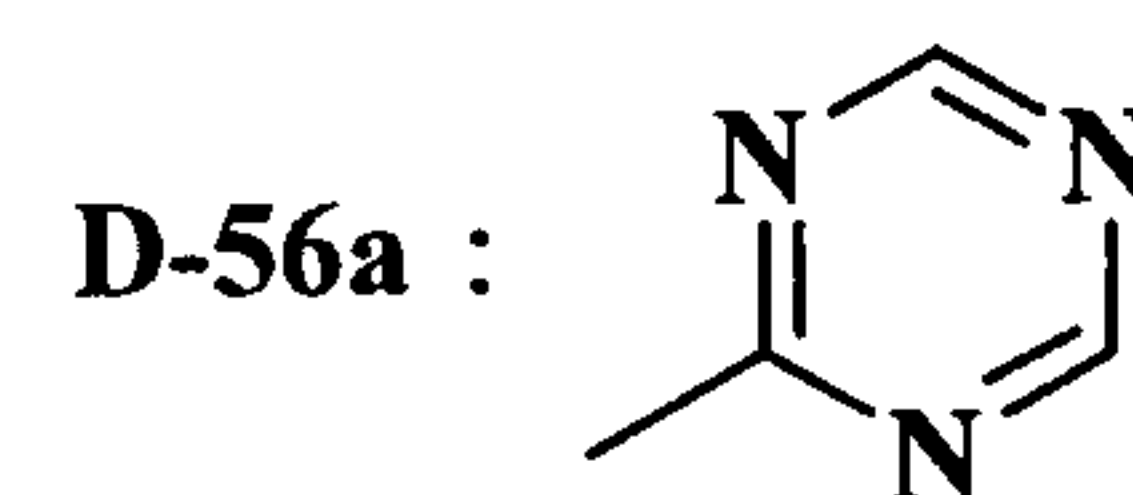
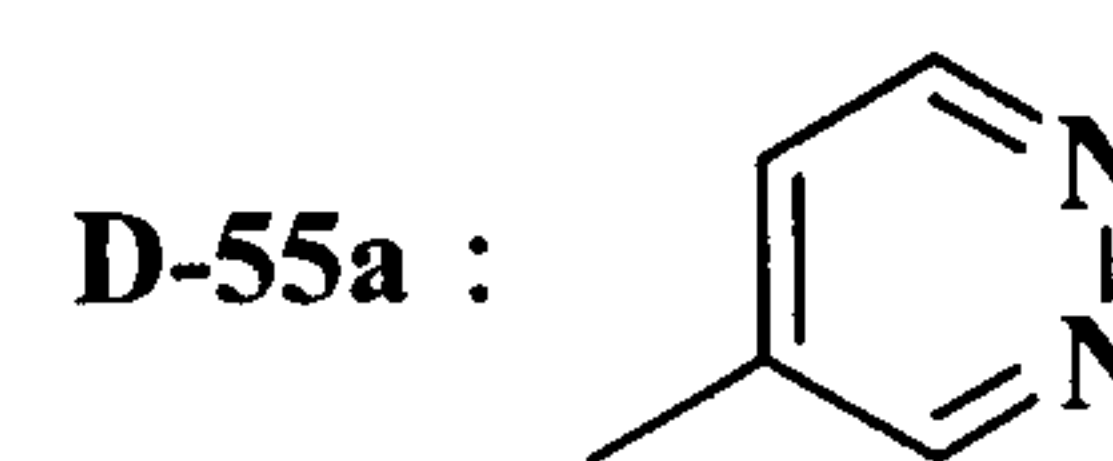
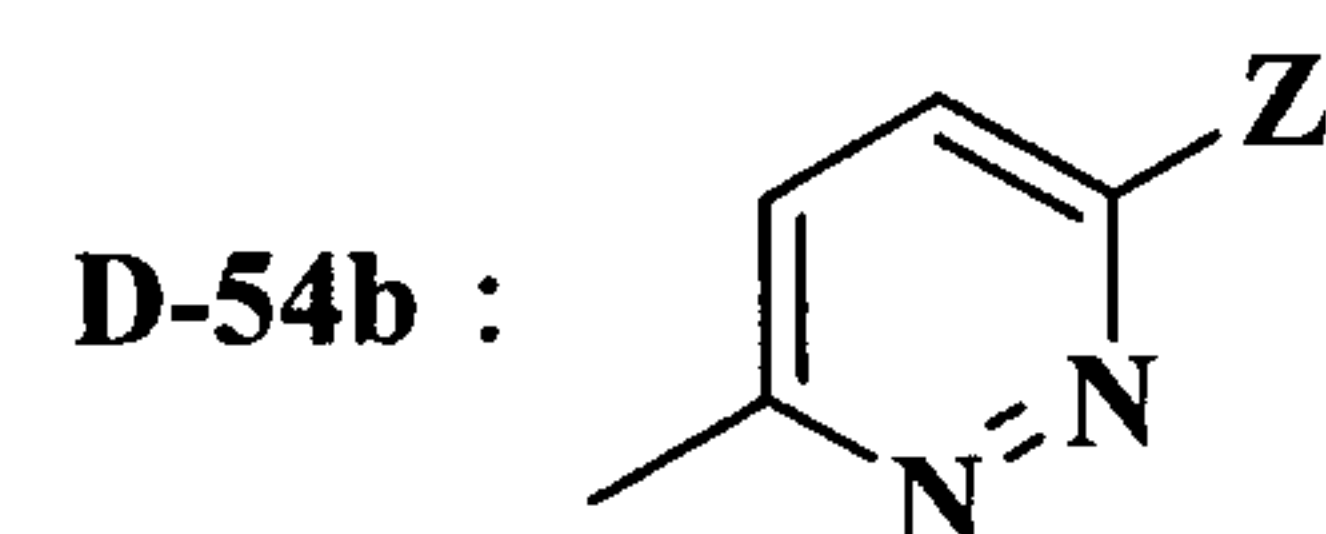
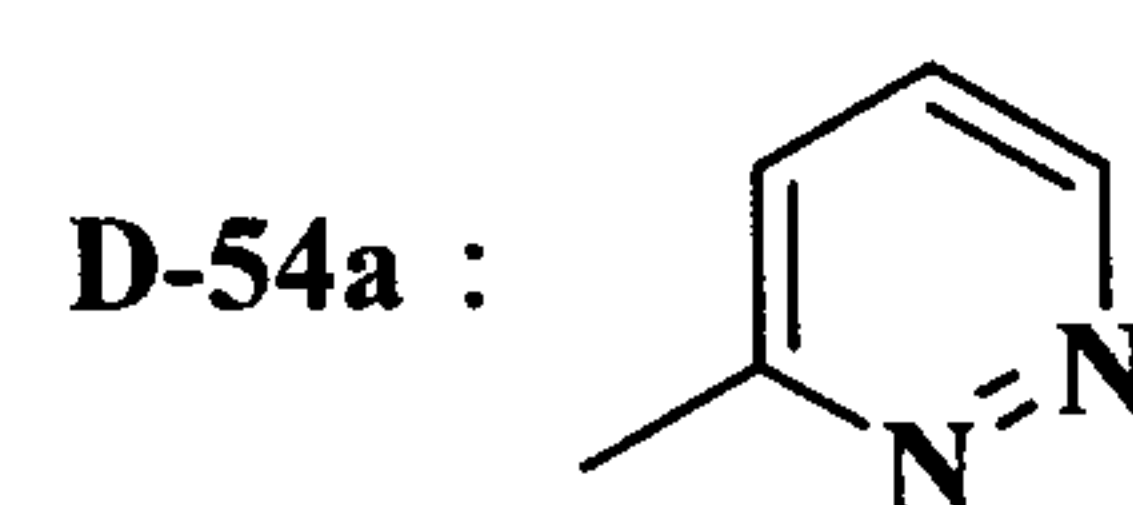
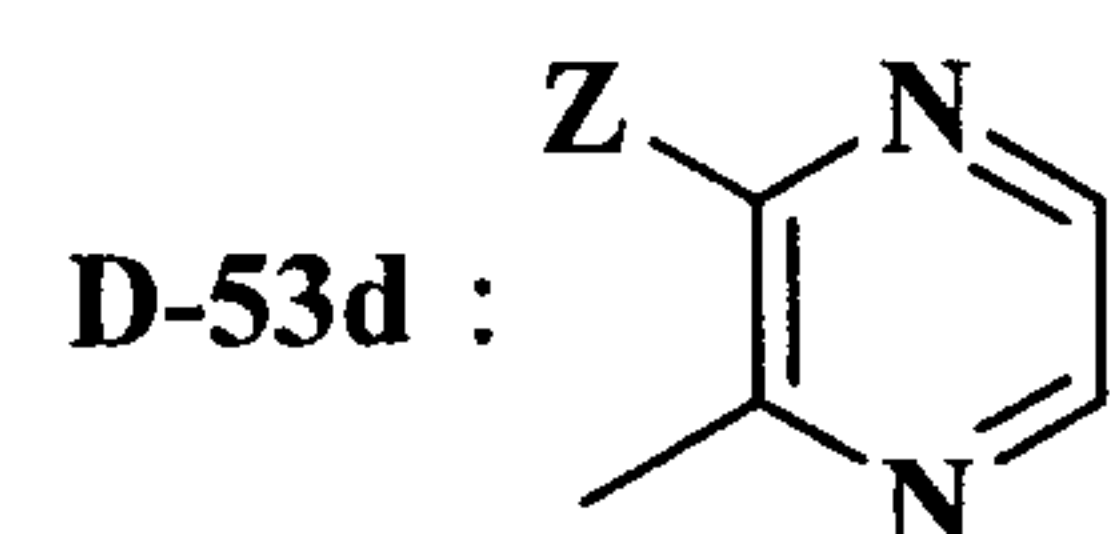
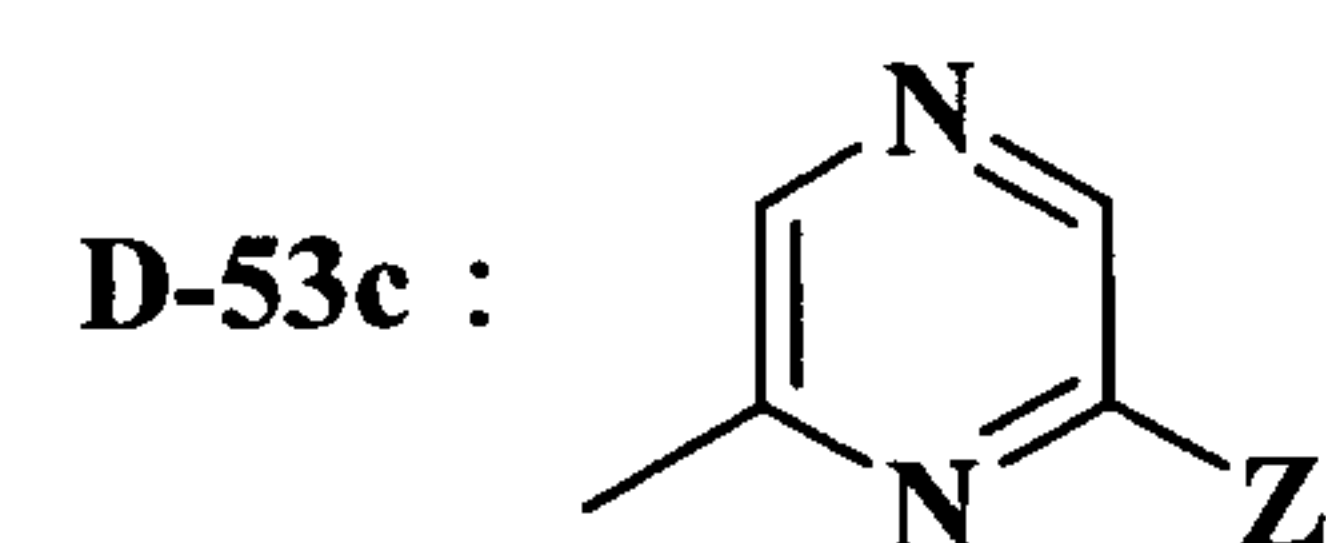
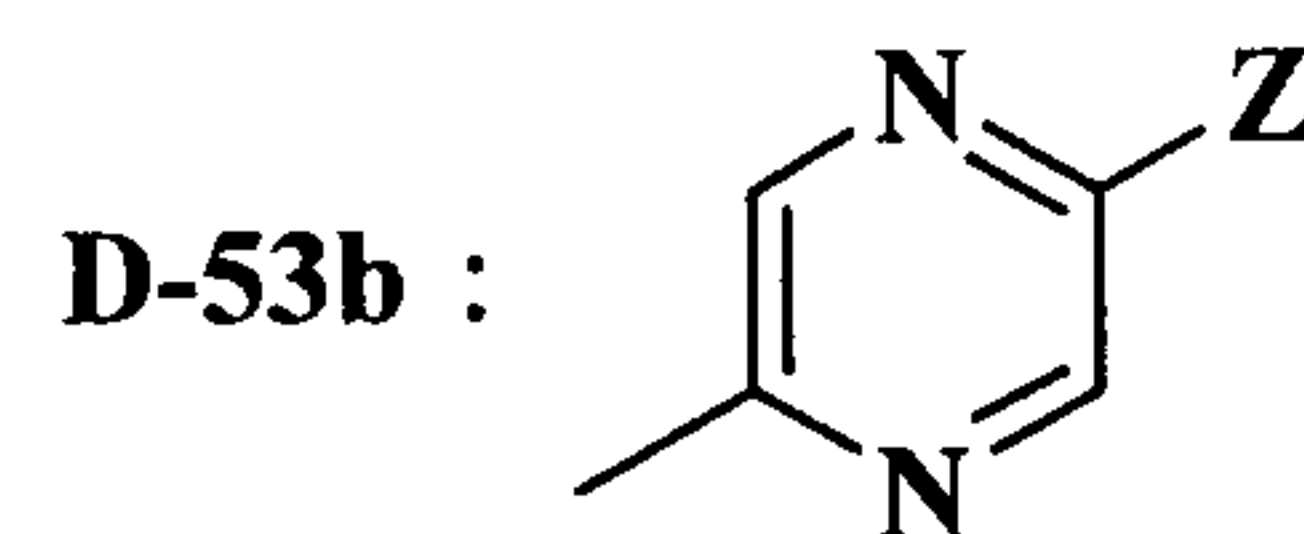
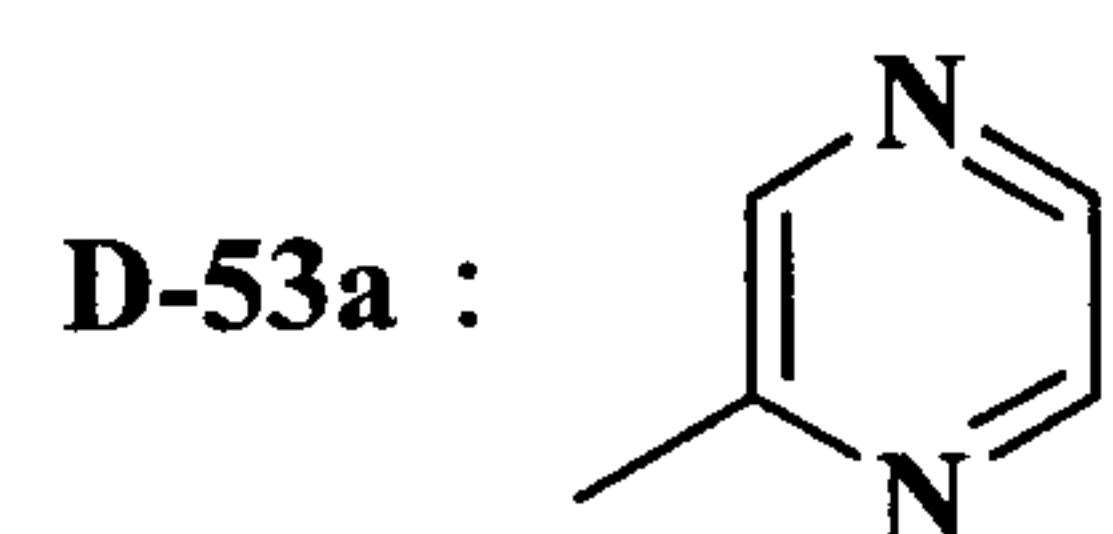
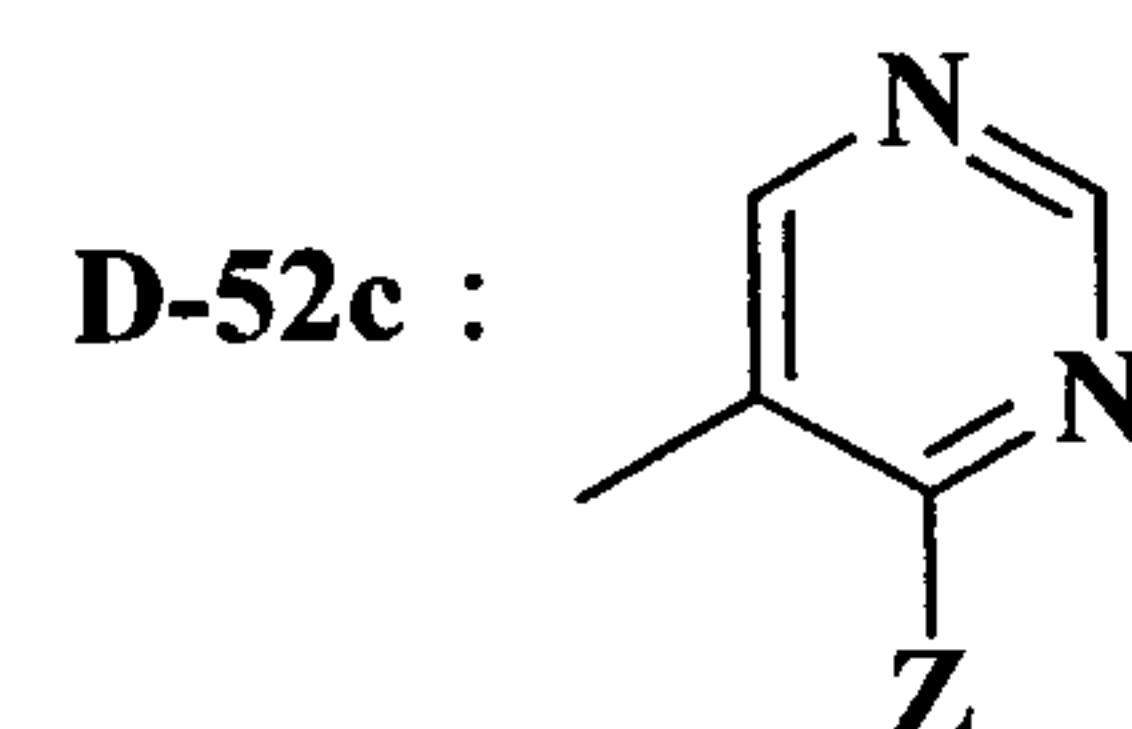
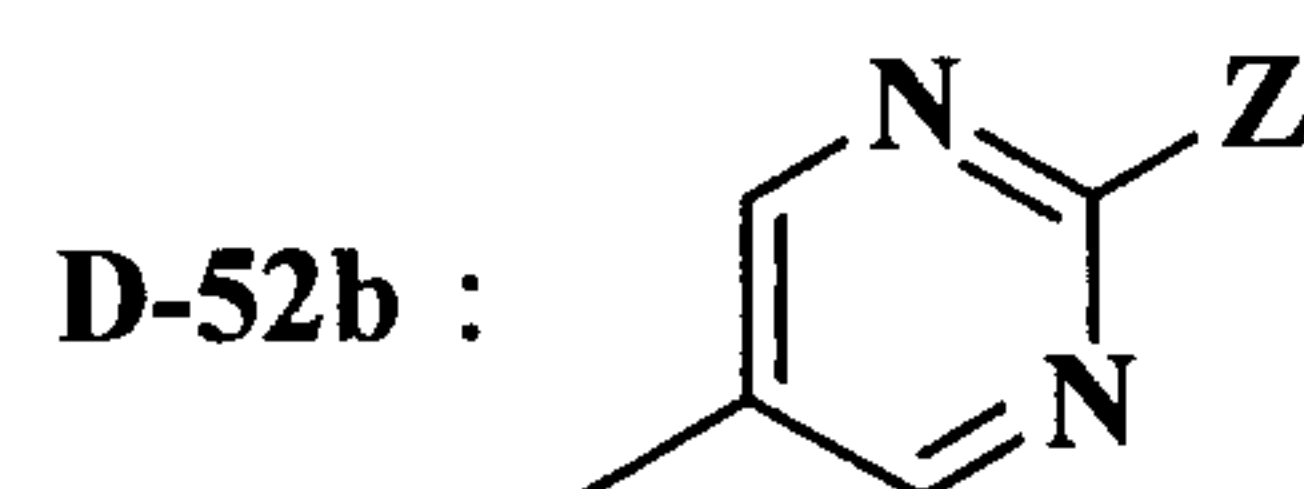
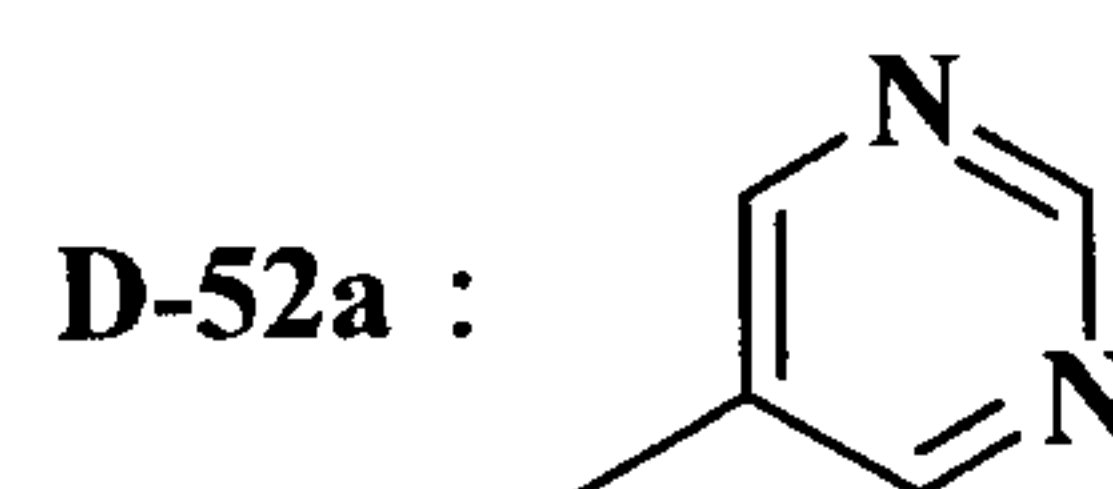
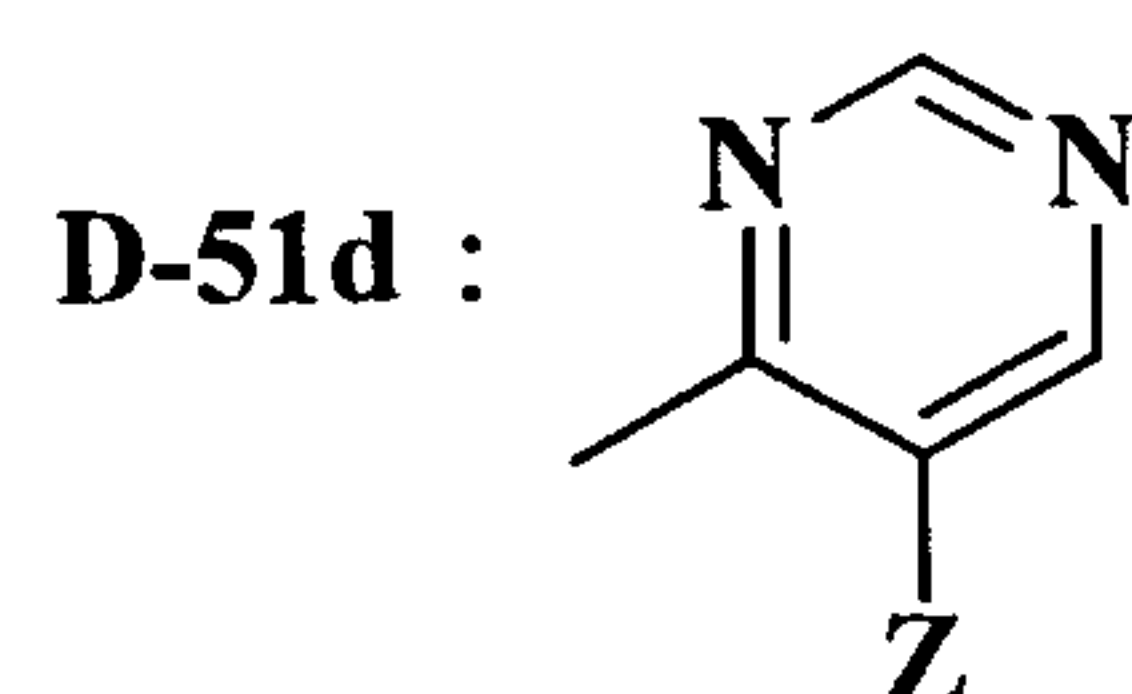
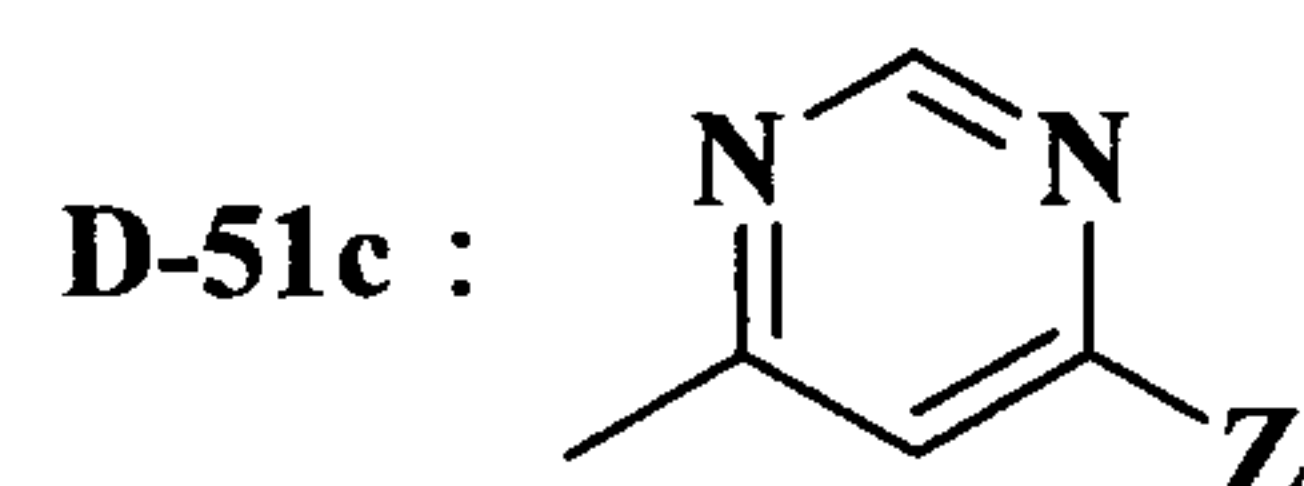
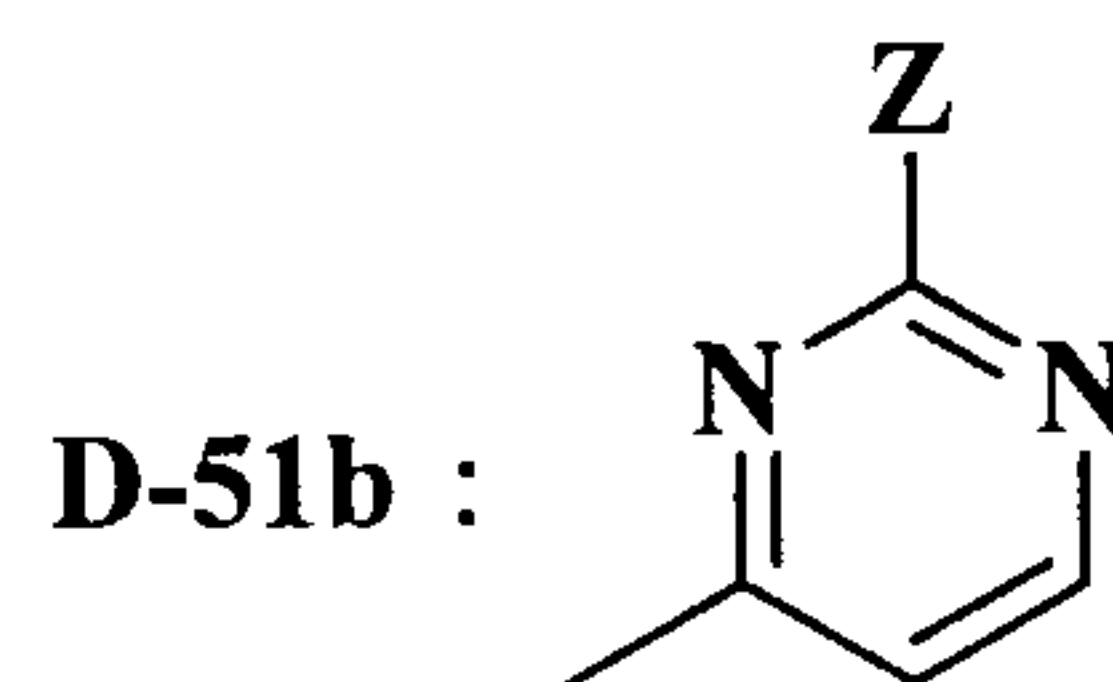
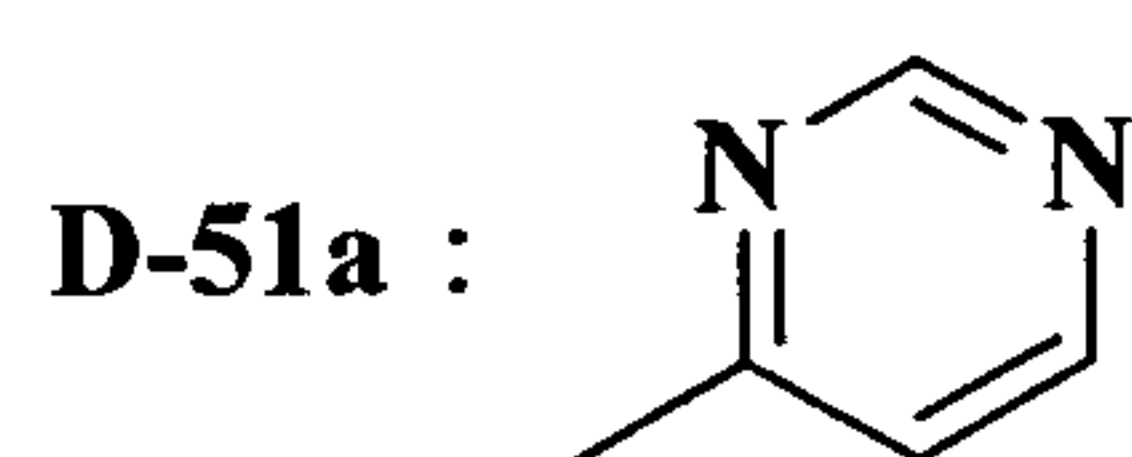
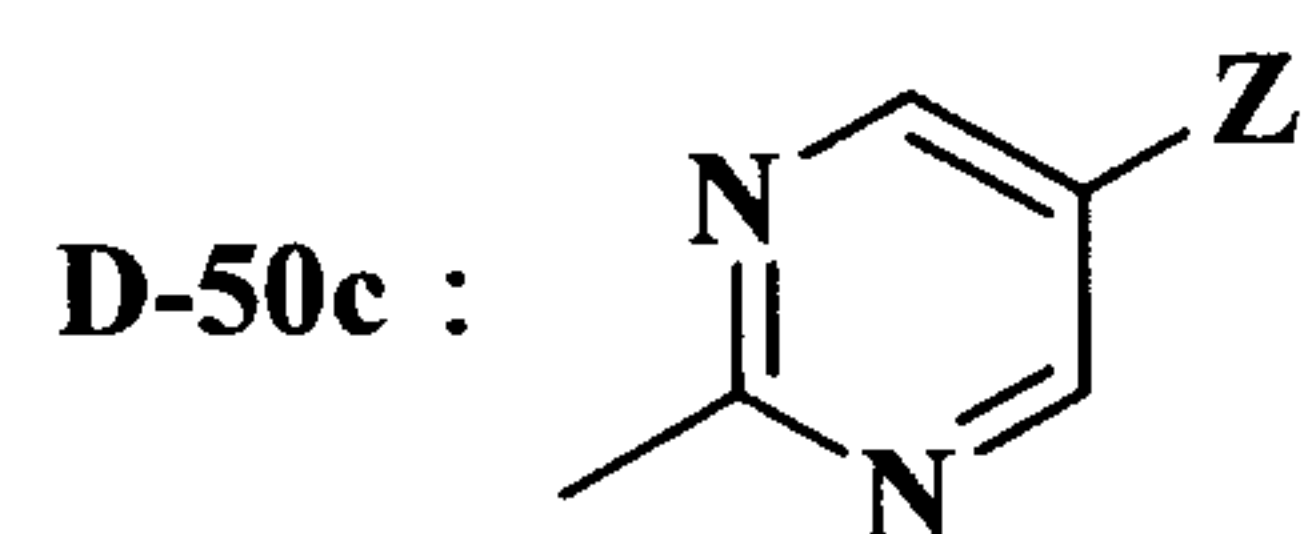
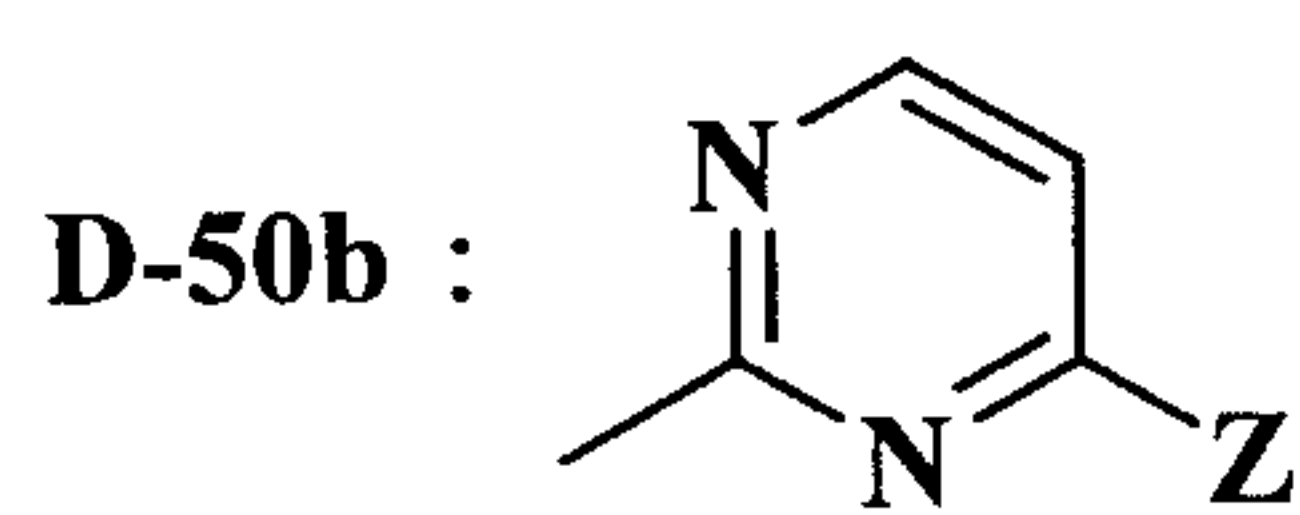
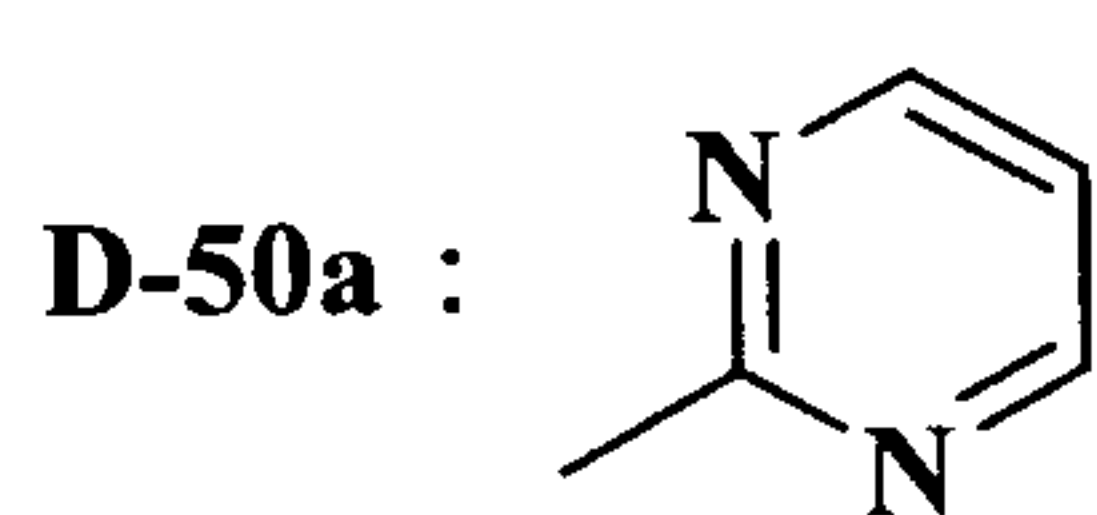
[0153] In the meantime, in Tables, the indication "Et" means ethyl, hereinafter similarly thereto, "n-Pr" and "Pr-n" mean normal propyl, "i-Pr" and "Pr-i" mean isopropyl, "c-Pr" and "Pr-c" mean cyclopropyl, "n-Bu" and "Bu-n" mean normal butyl, "s-Bu" and "Bu-s" mean secondary butyl, "i-Bu" and "Bu-i" mean isobutyl, "t-Bu" and "Bu-t" mean tertiary butyl, "c-Bu" and "Bu-c" mean cyclobutyl, "n-Pen" and "Pen-n" mean normal pentyl, "c-Pen" and "Pen-c" mean cyclopentyl, "n-Hex" and "Hex-n" mean normal hexyl, "c-Hex" and "Hex-c" mean cyclohexyl, "Hept" means heptyl, "Oct" means octyl, "Ph" means phenyl, "1-Naph" means 1-naphthyl, "2-Naph" means 2-naphthyl, and in Tables, aromatic heterocyclic rings of D-1a to D-59a are the following structures, respectively





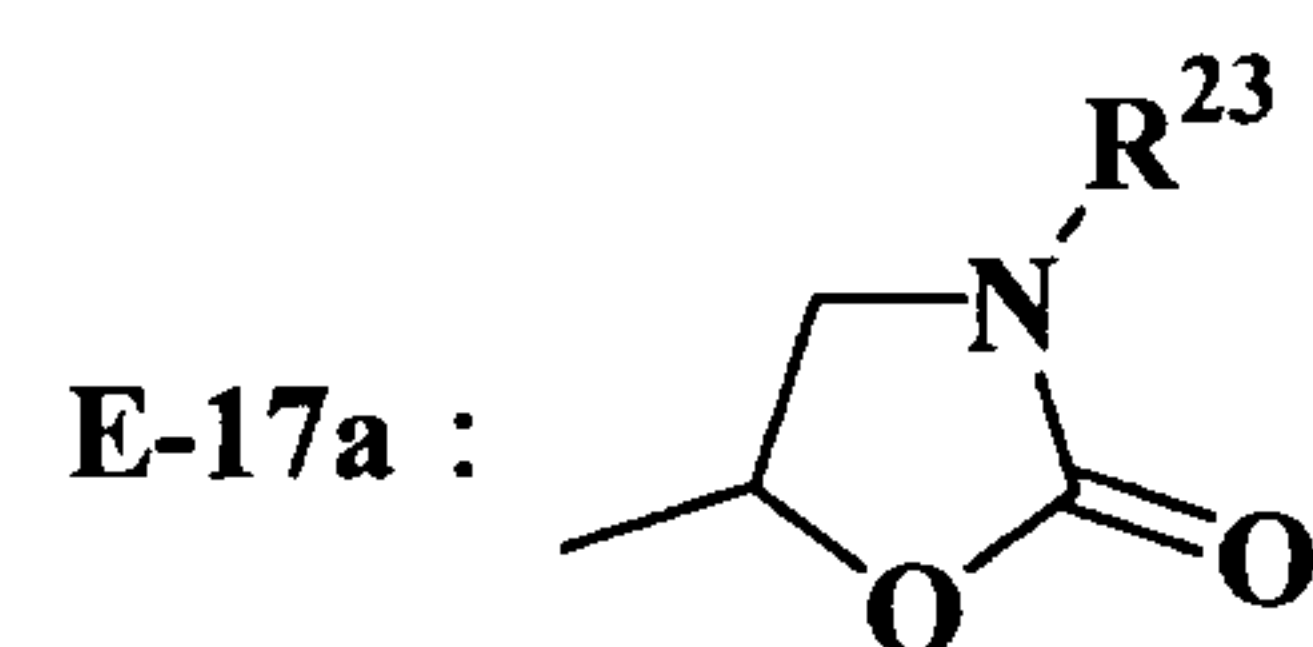
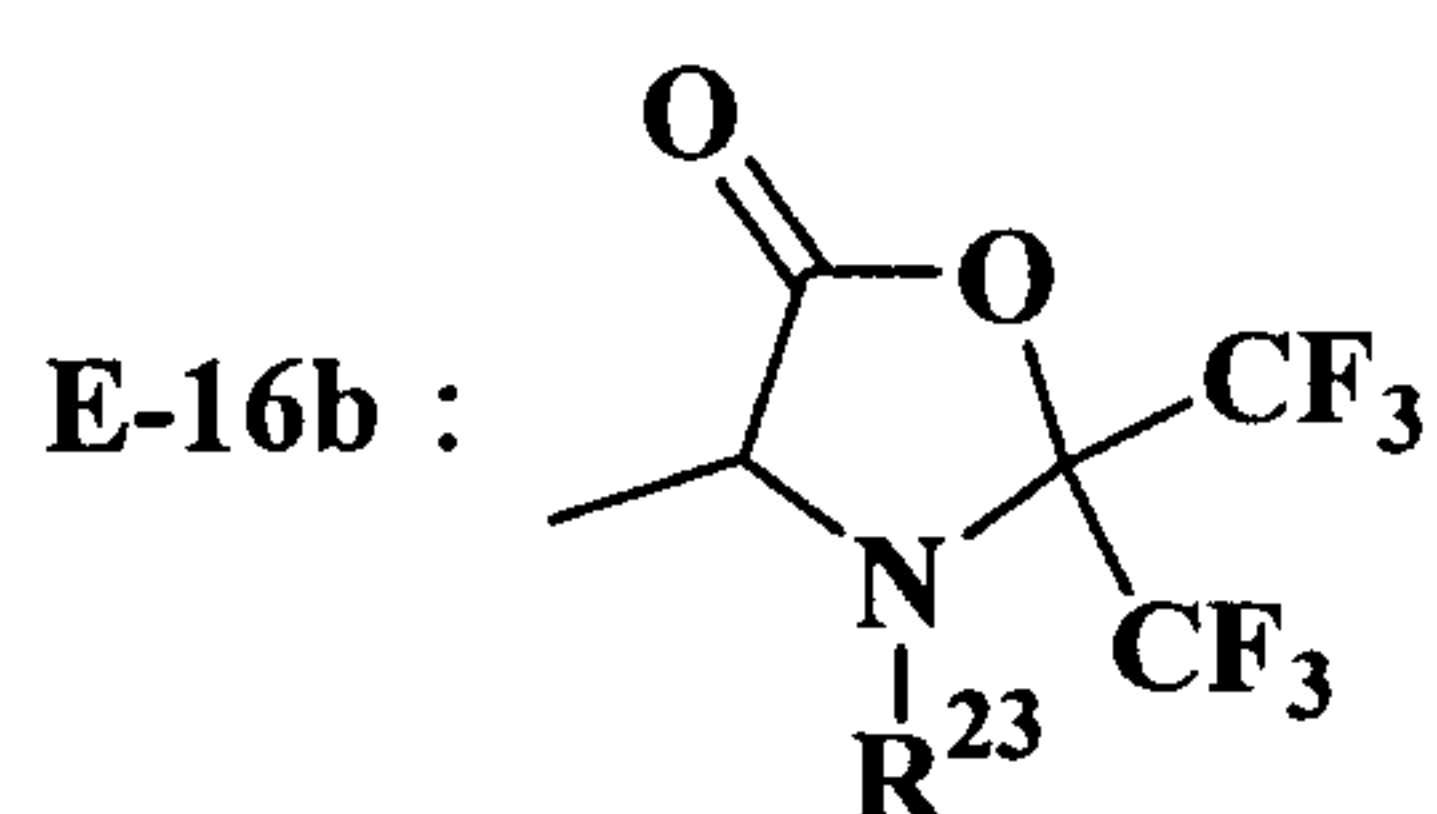
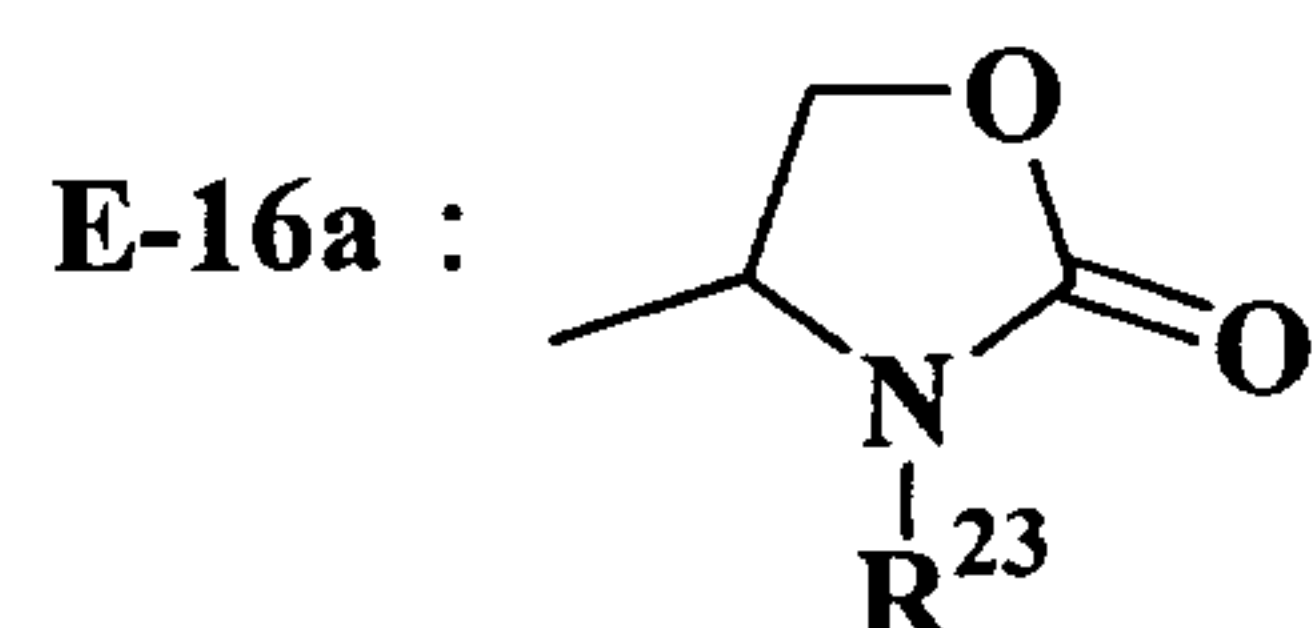
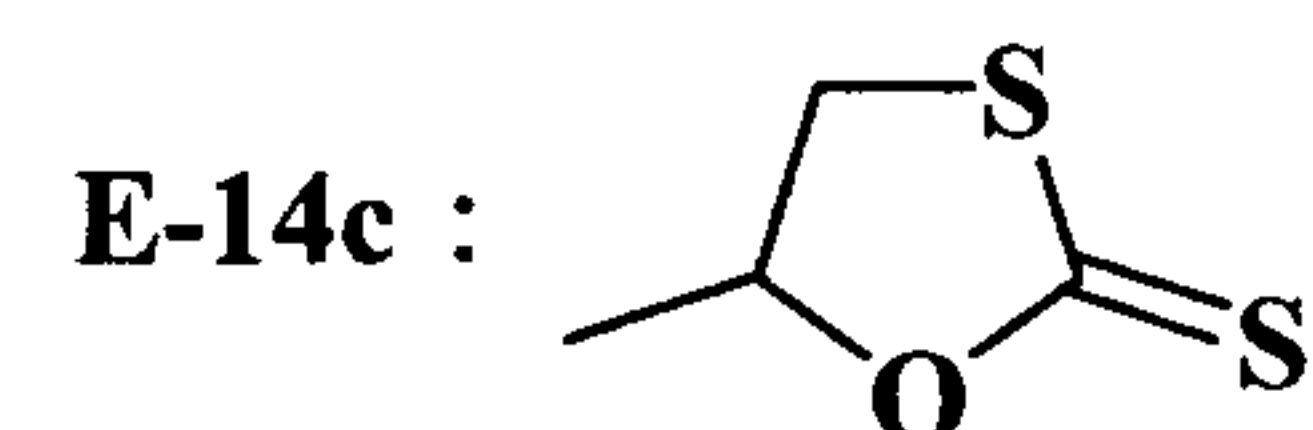
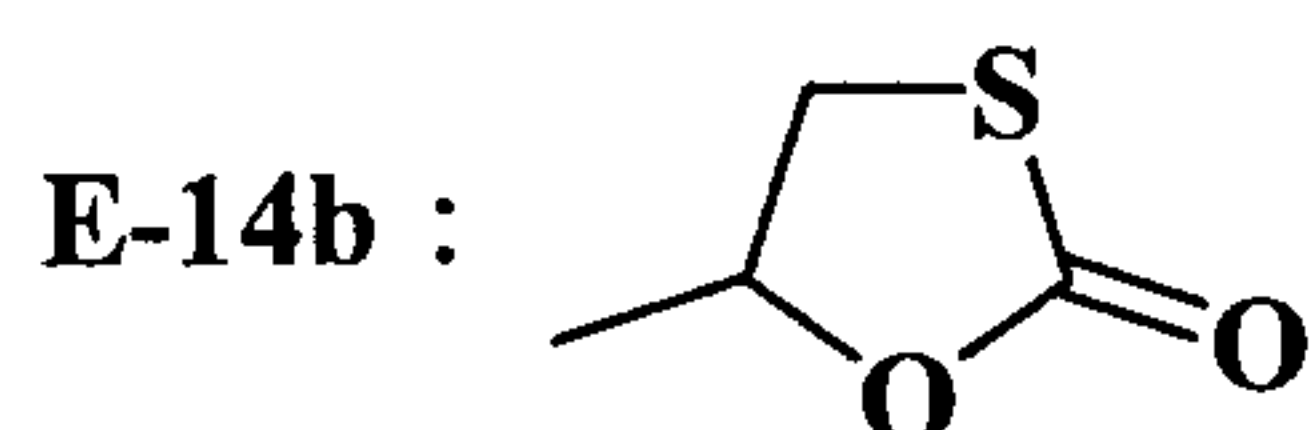
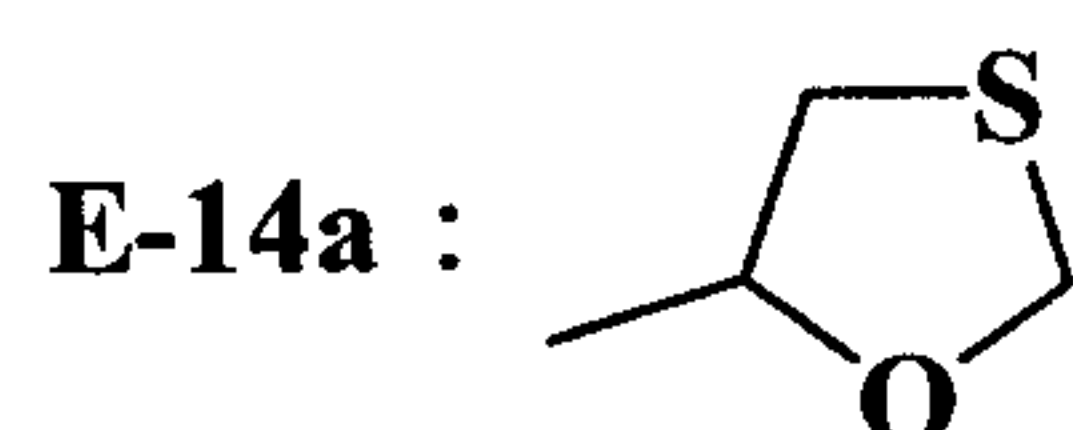
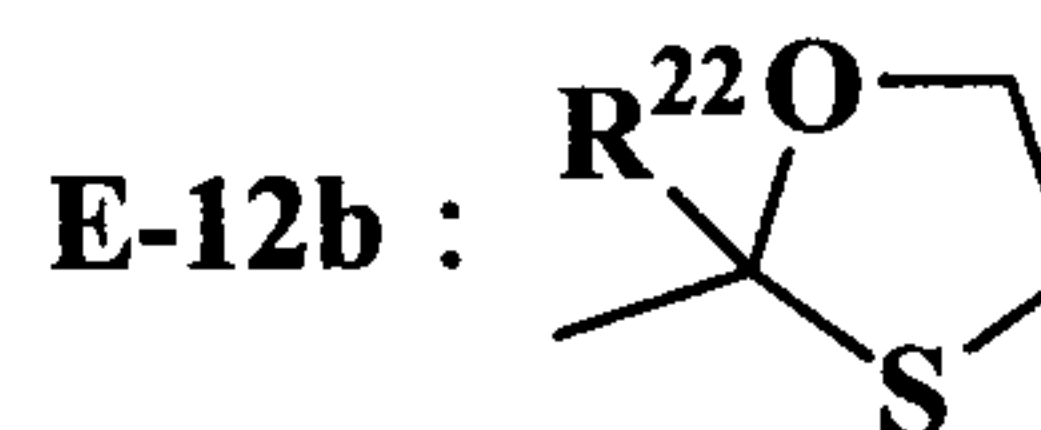
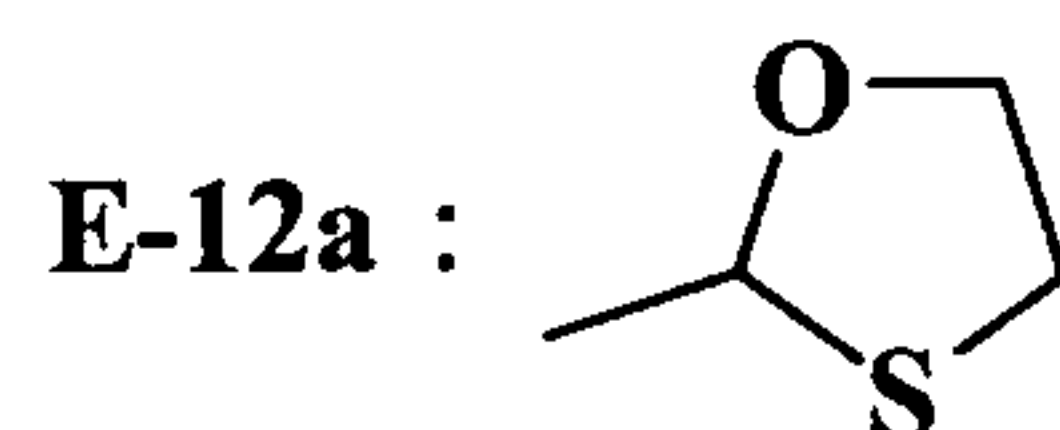
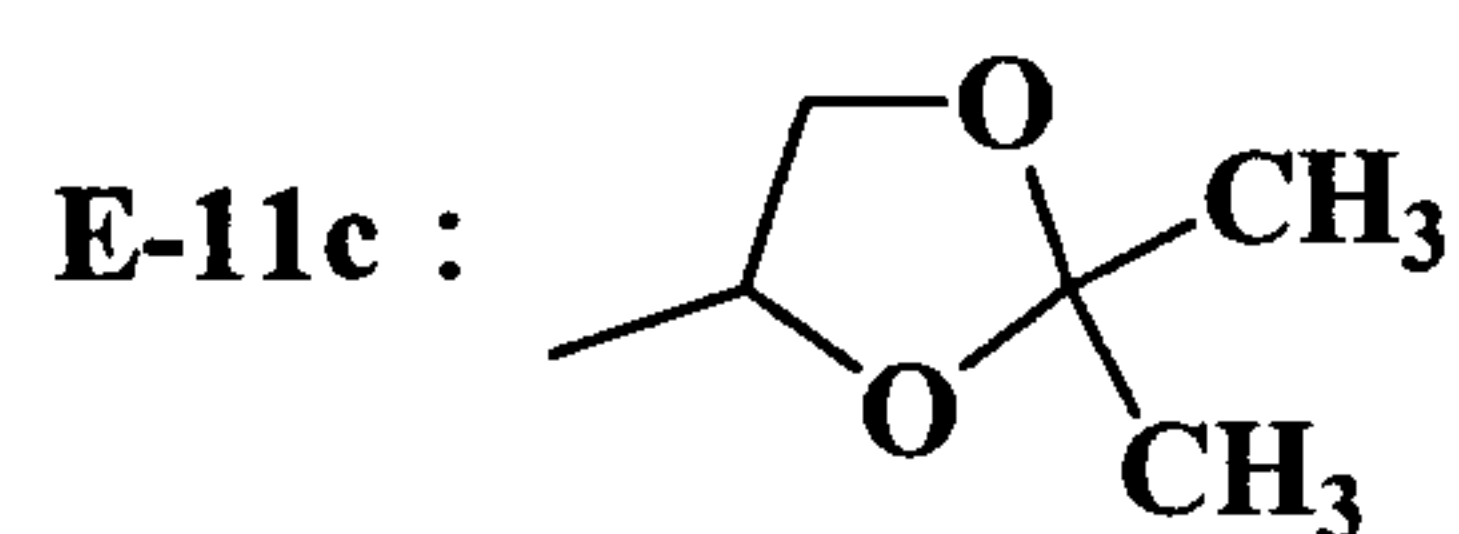
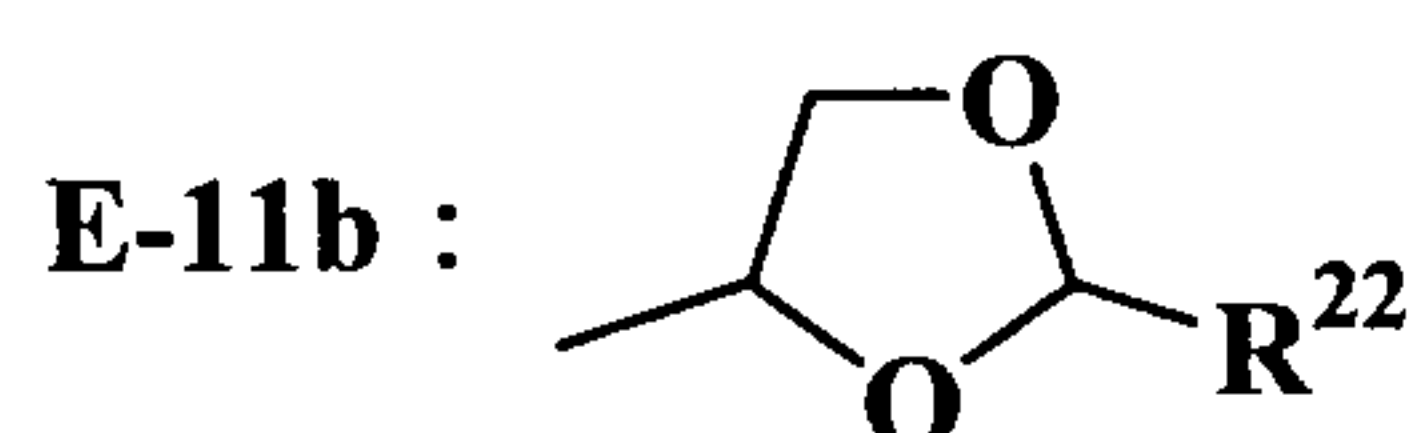
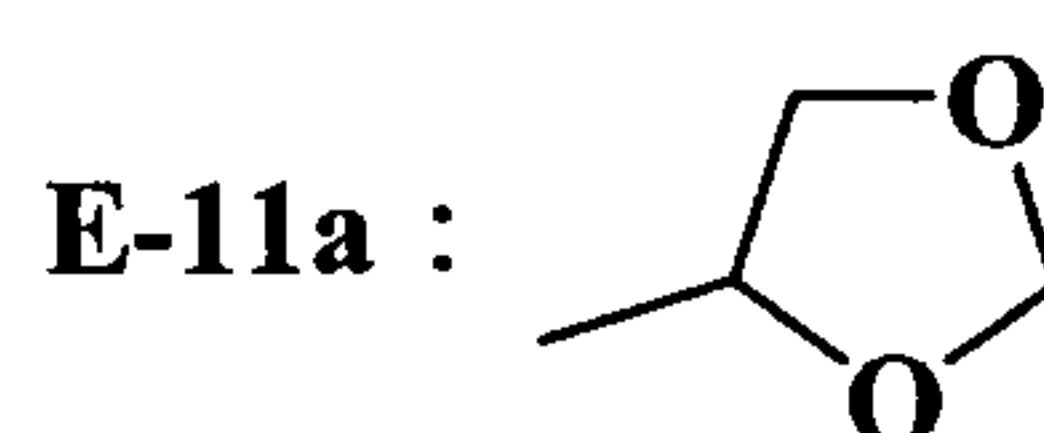
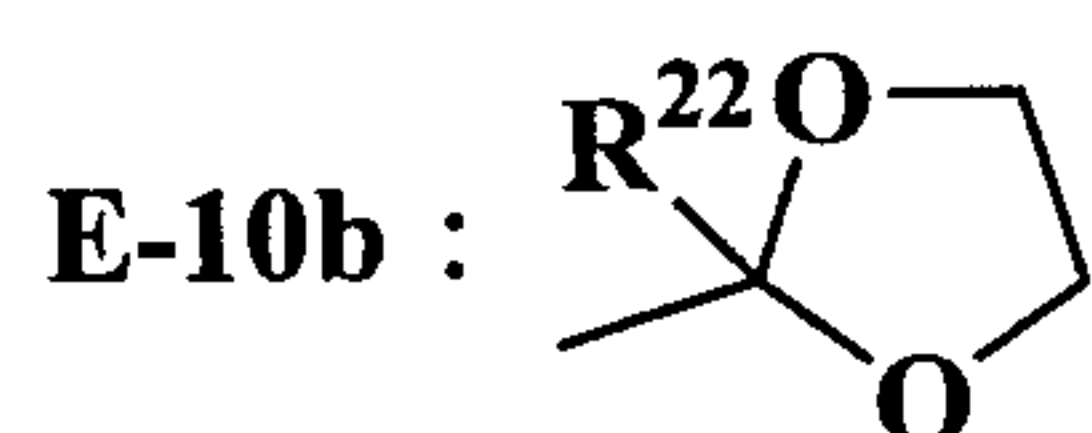
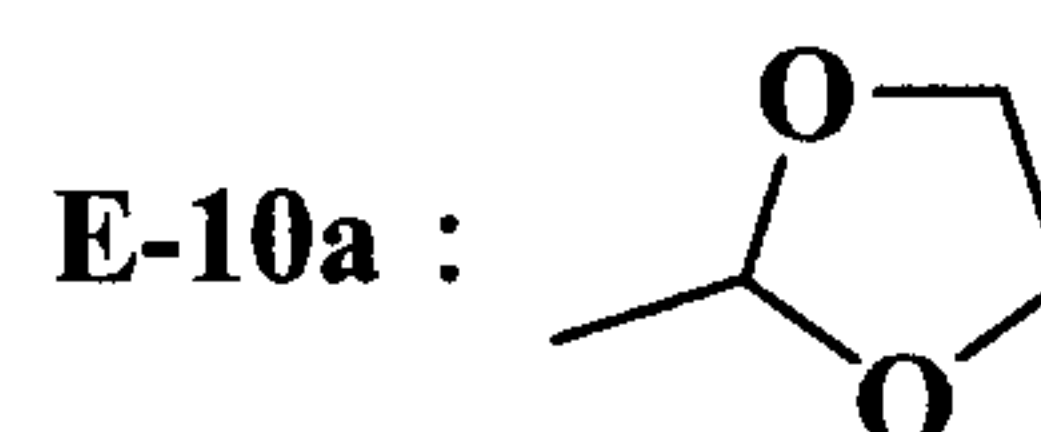
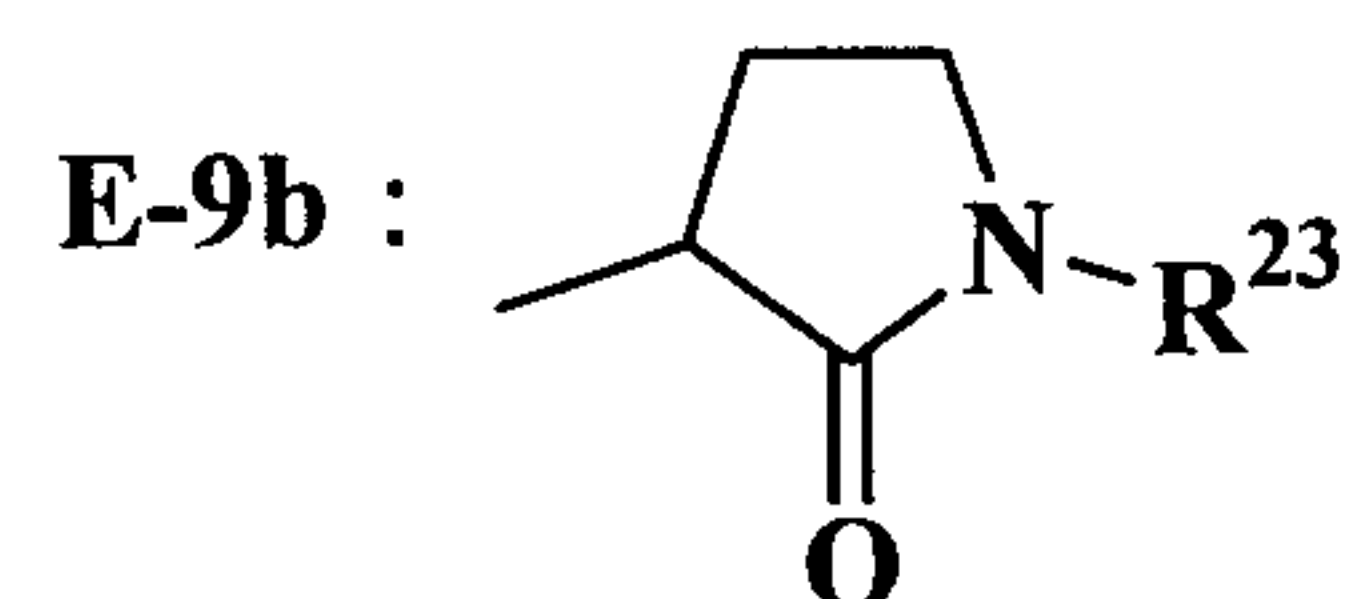
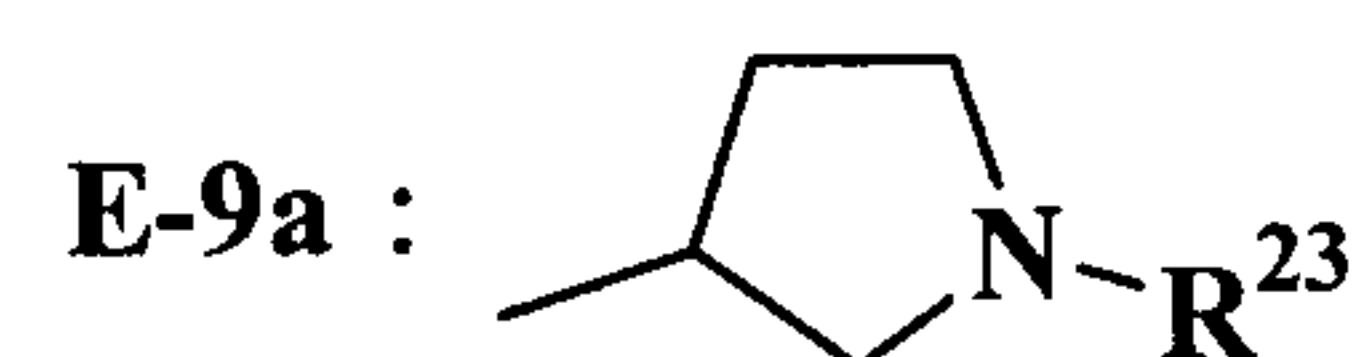
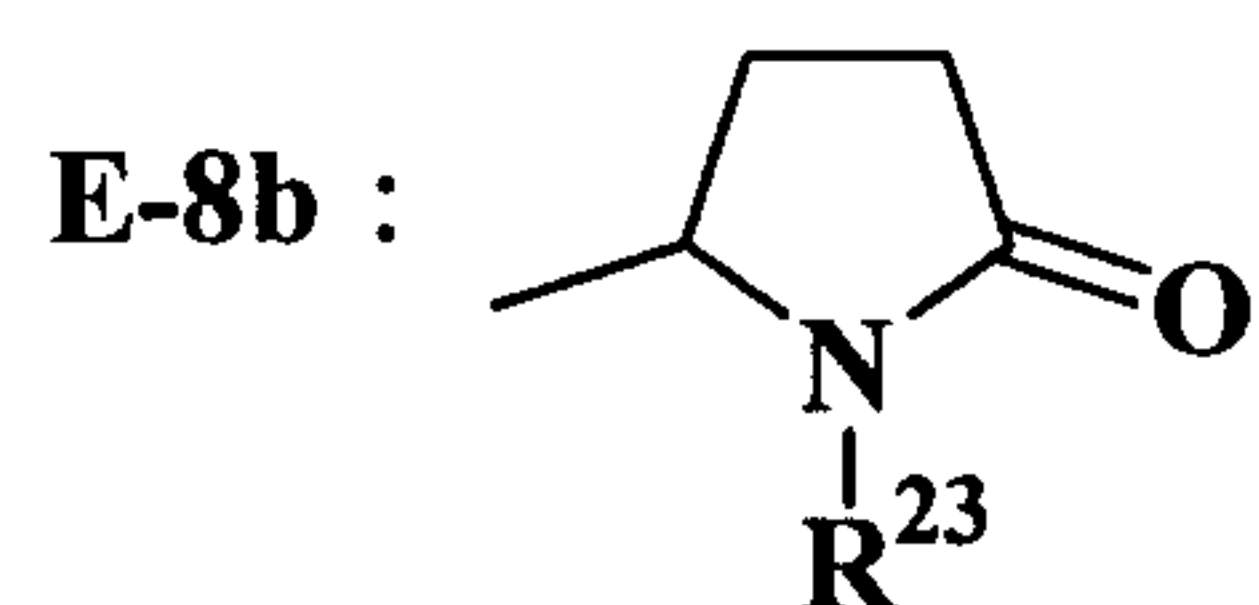
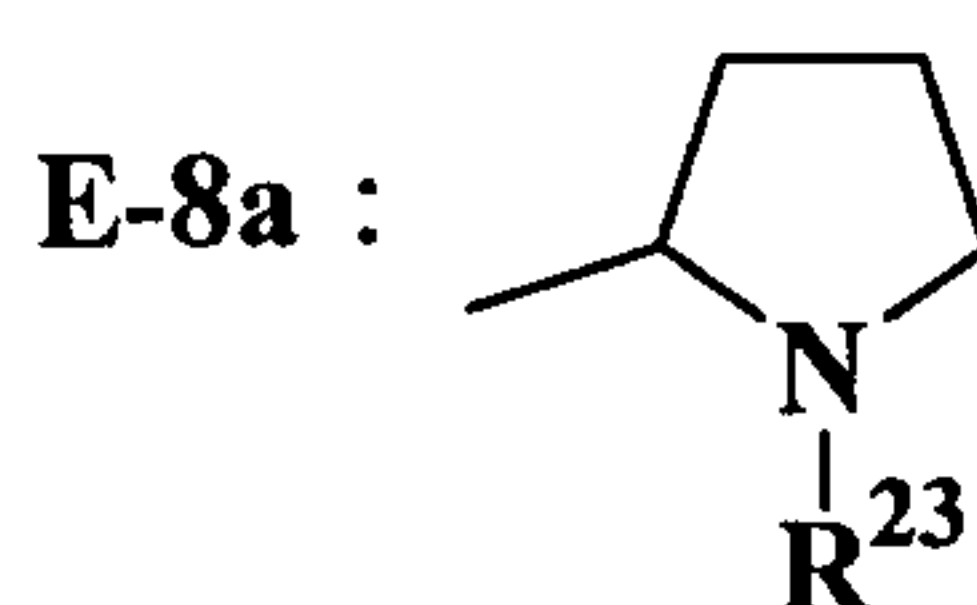
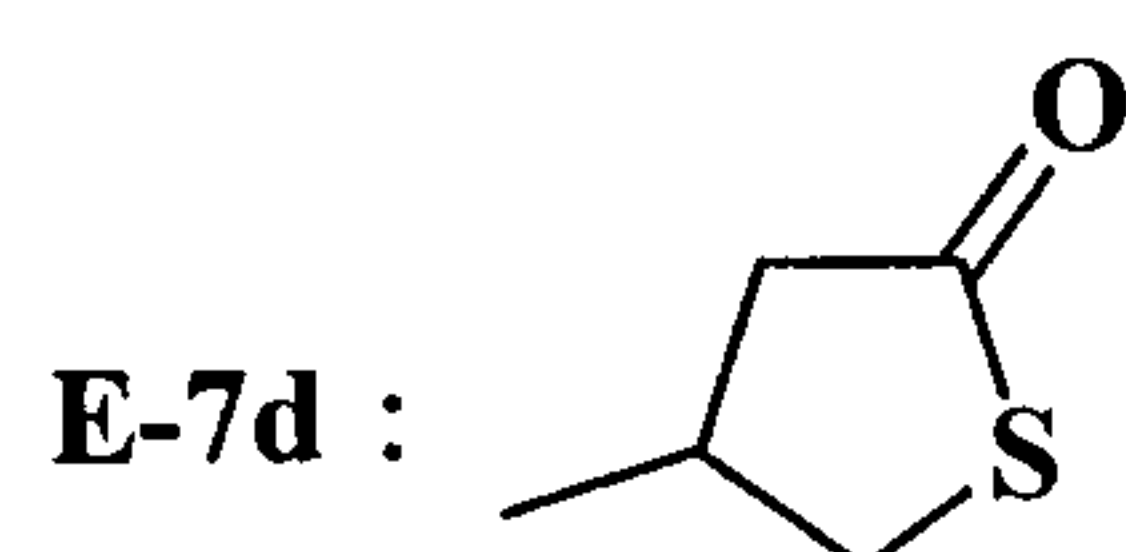
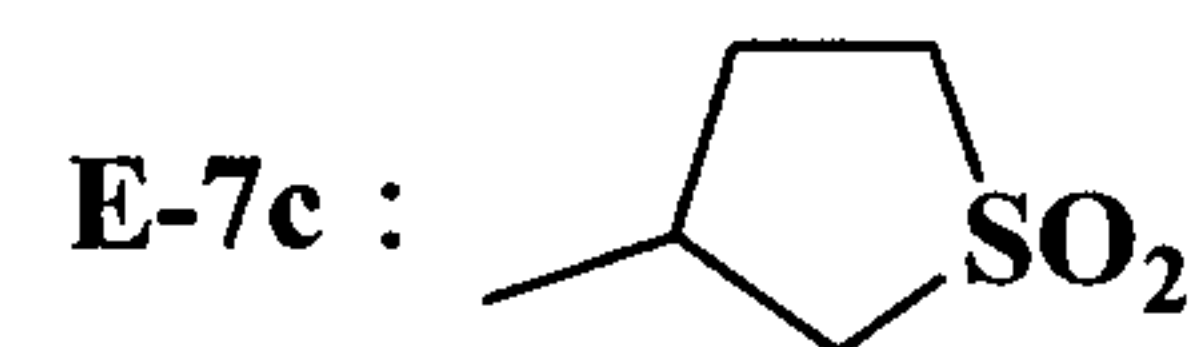
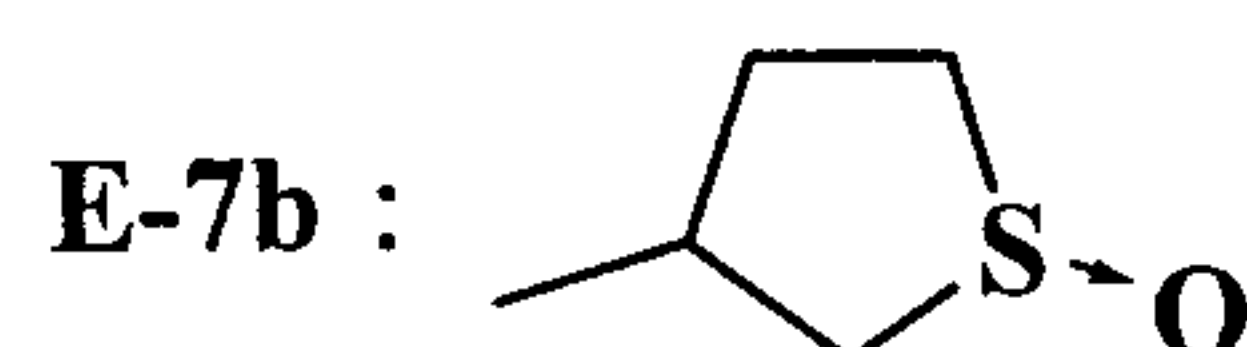
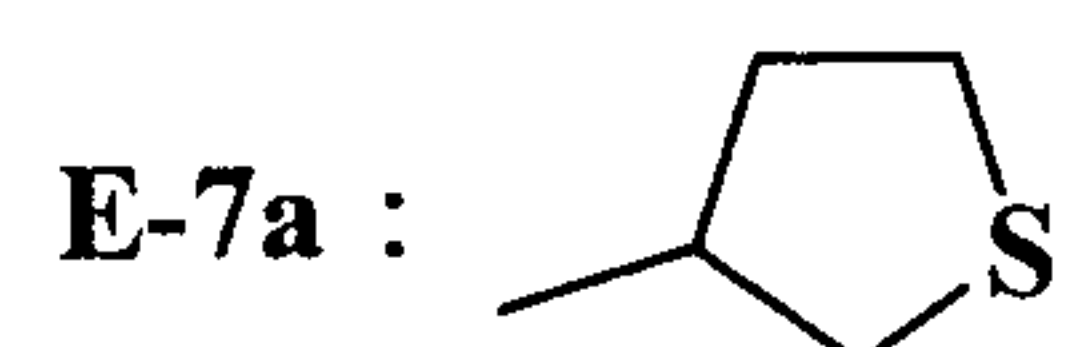
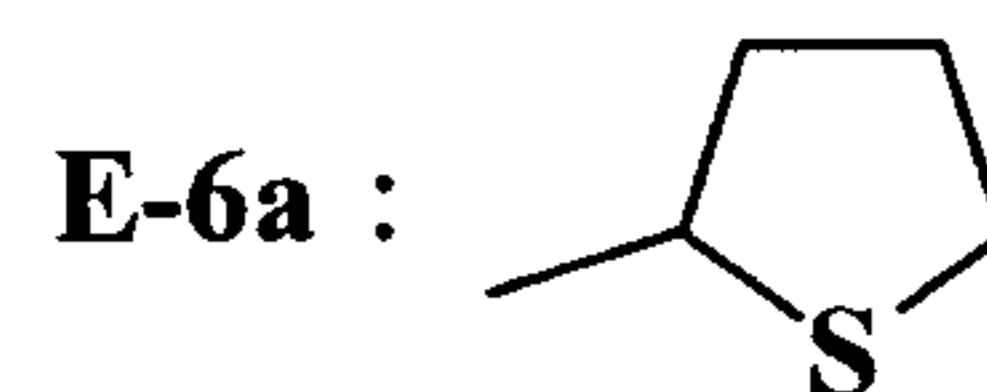
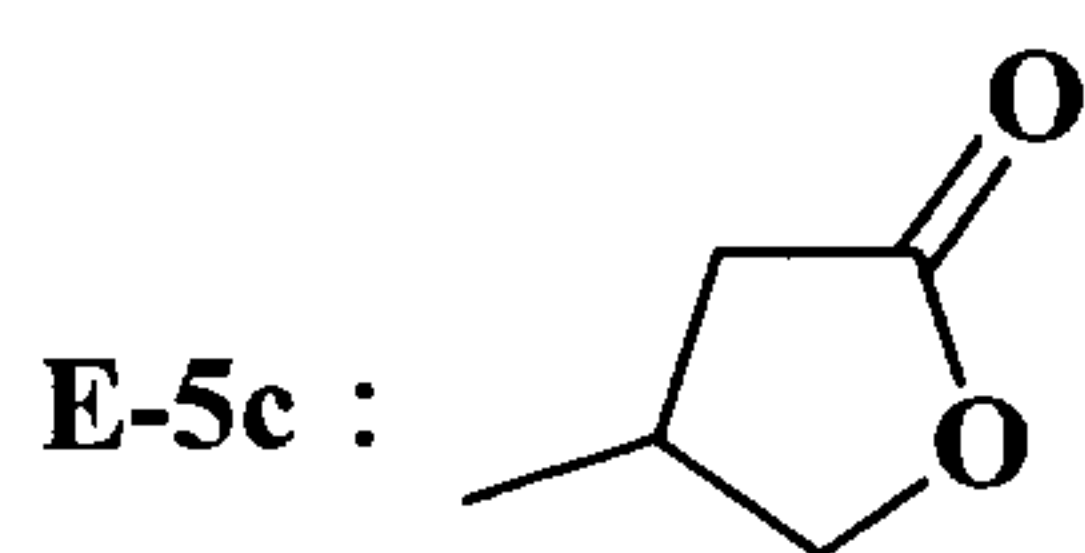
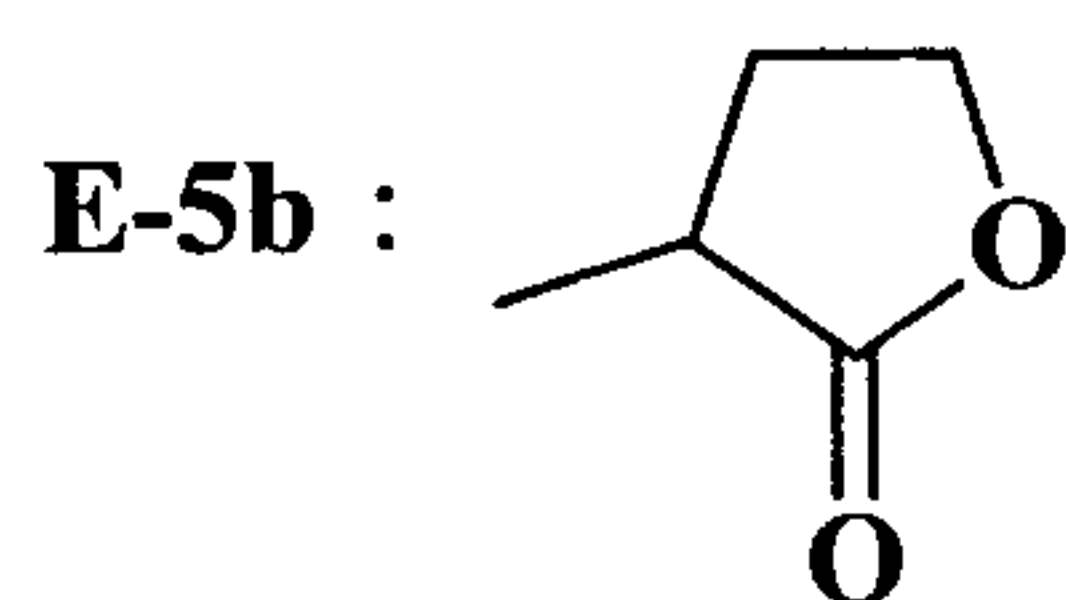
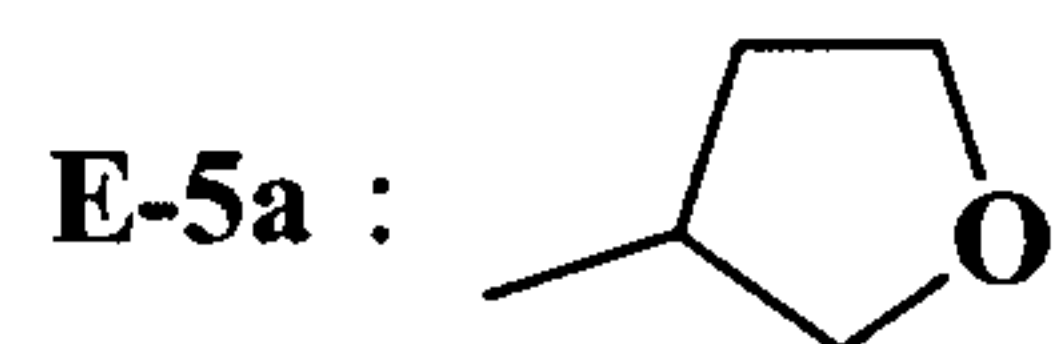
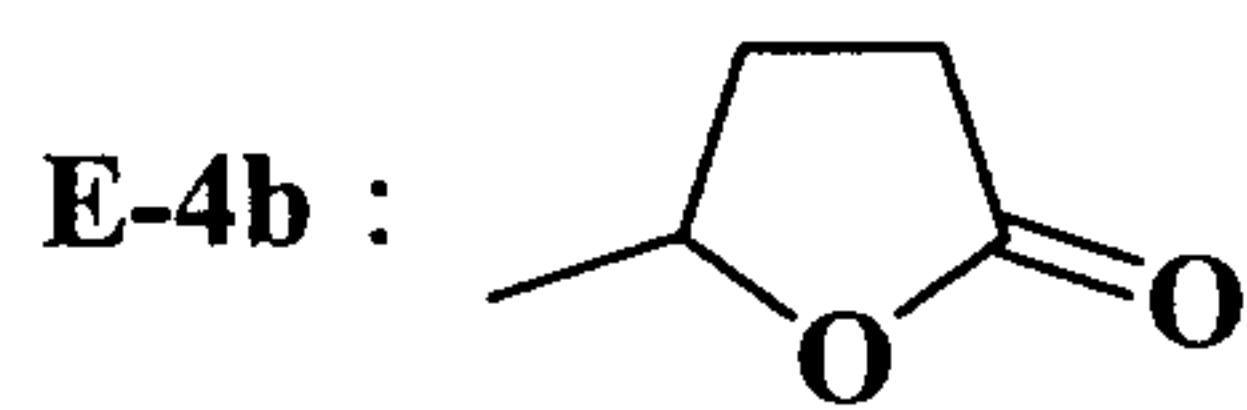
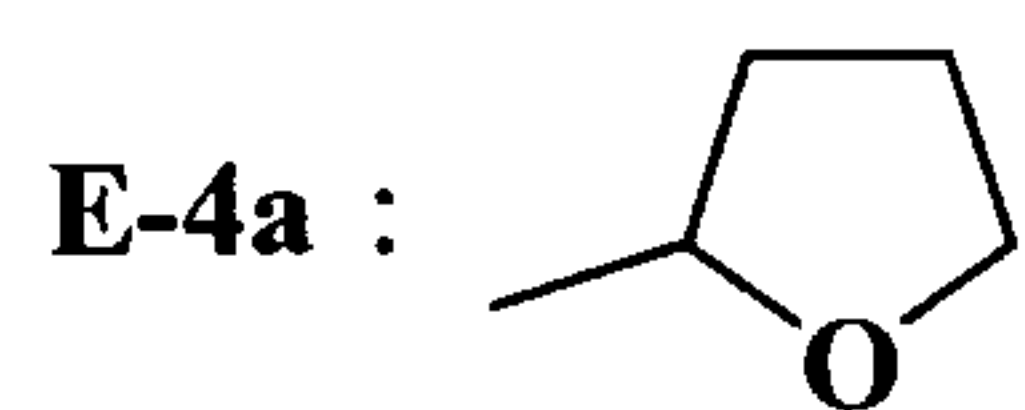


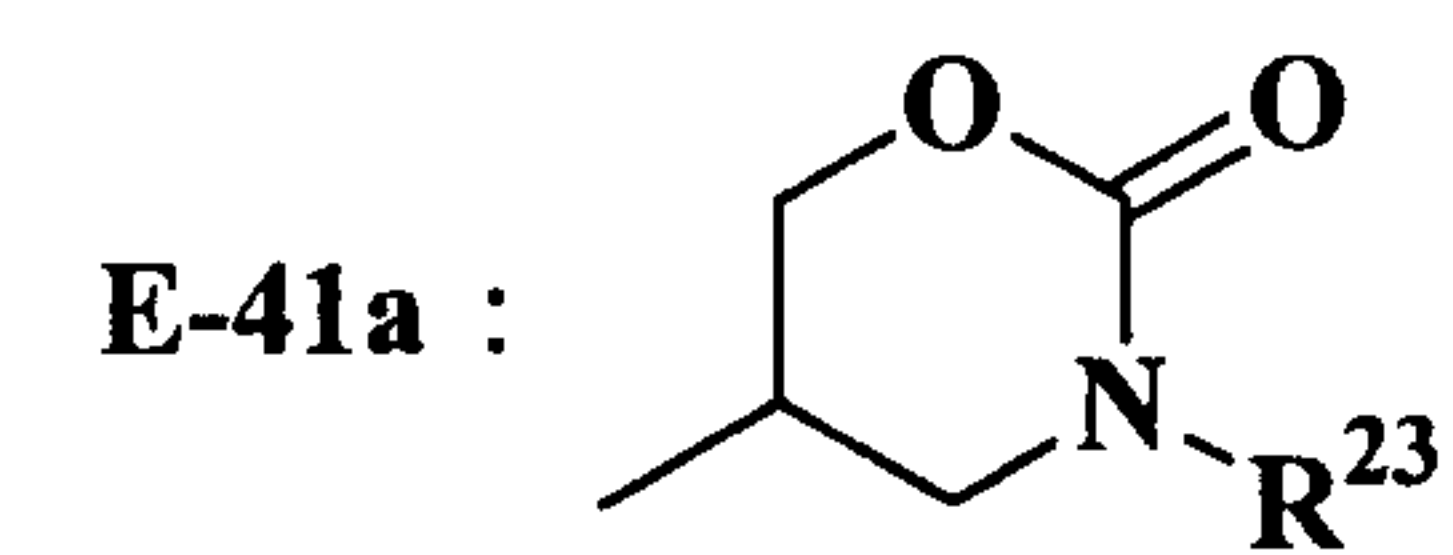
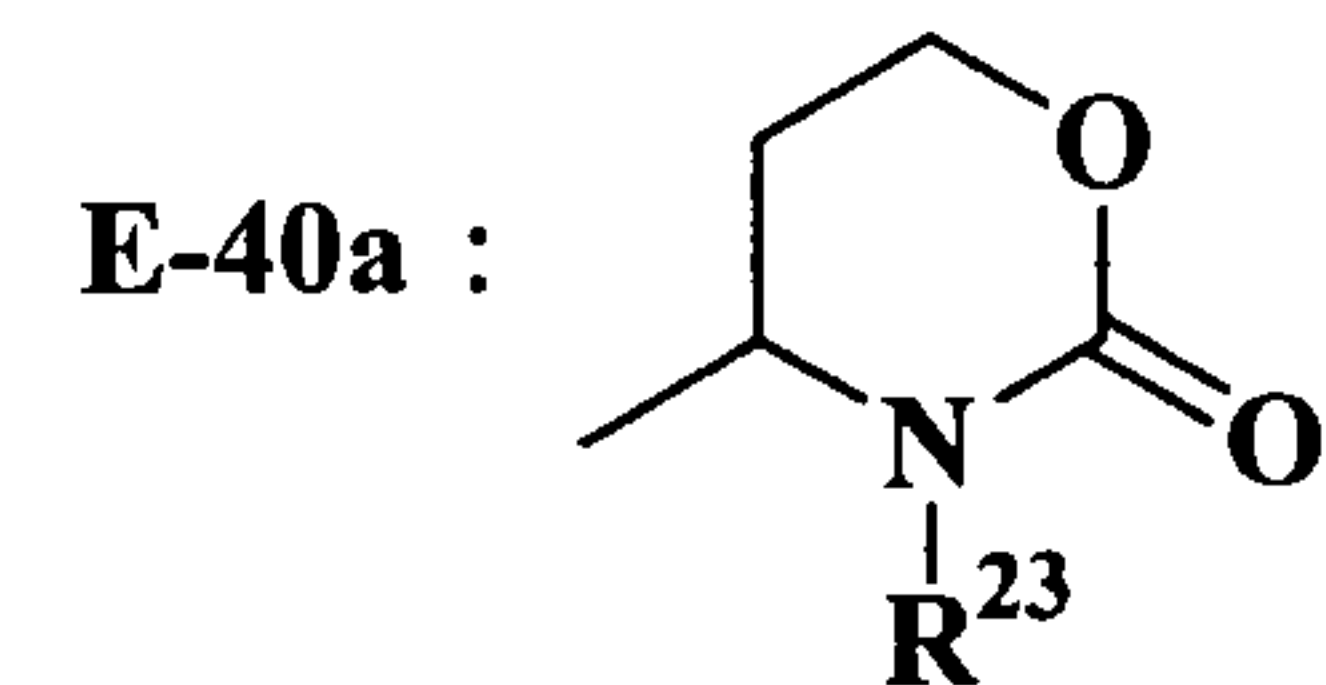
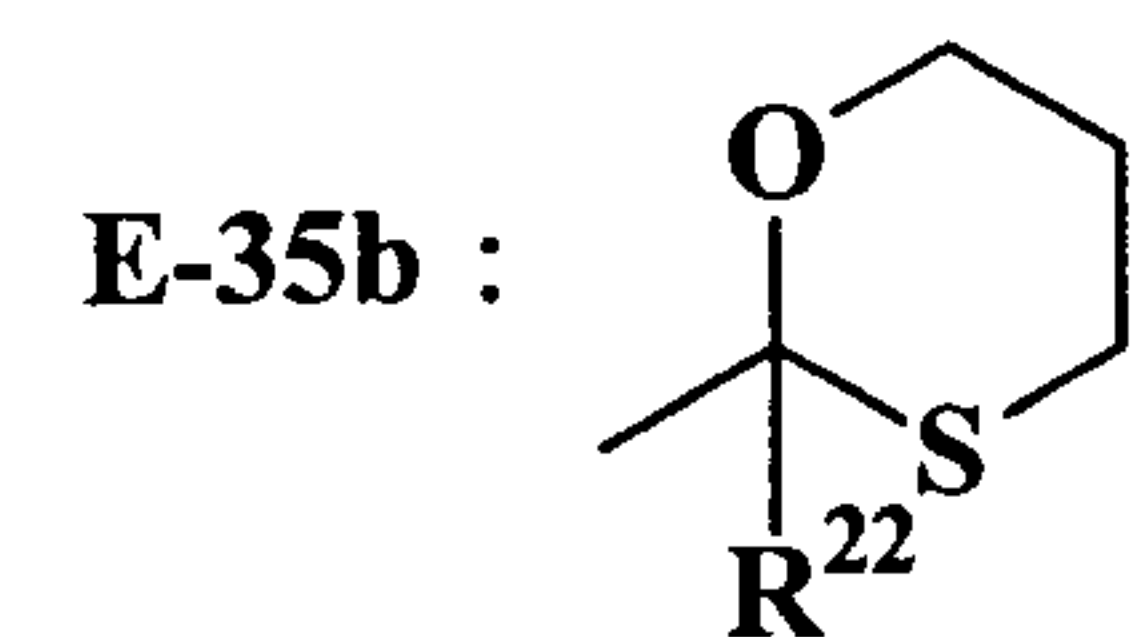
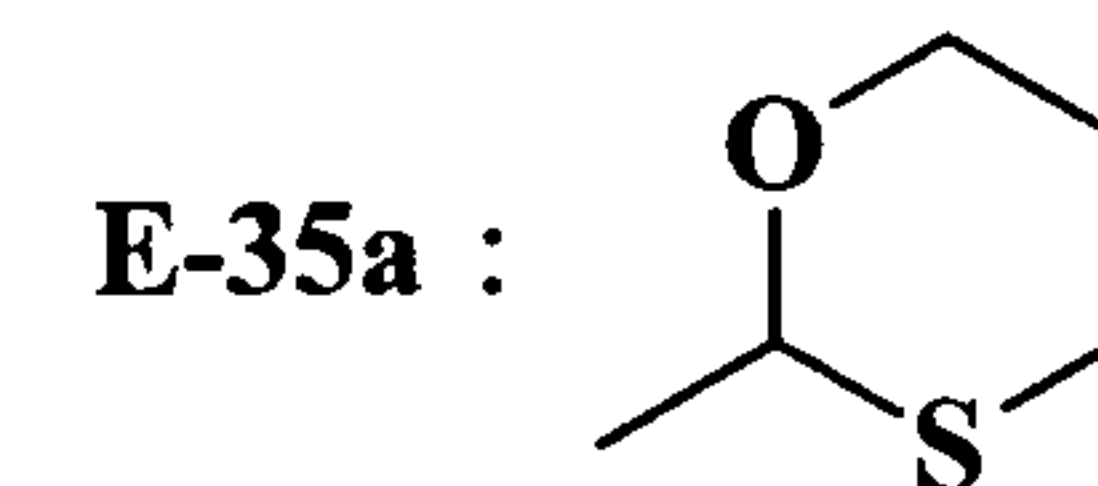
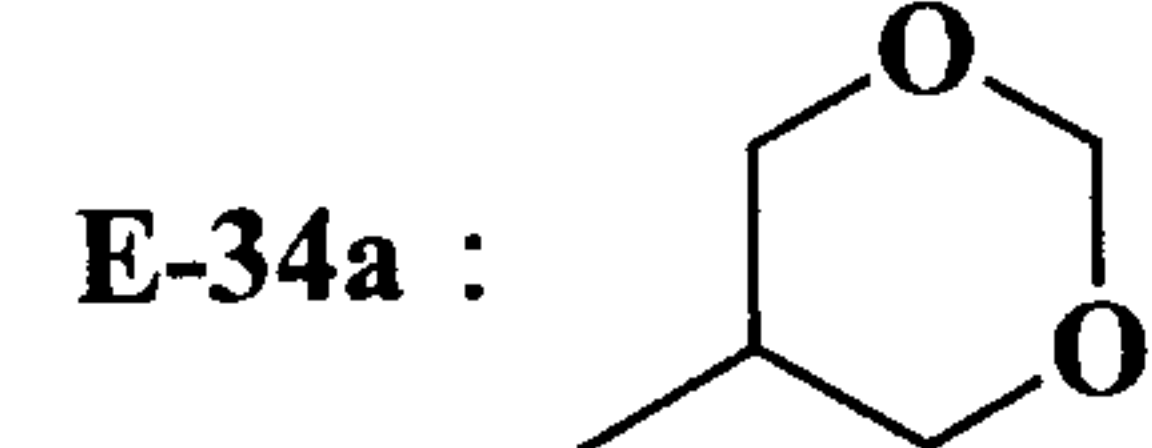
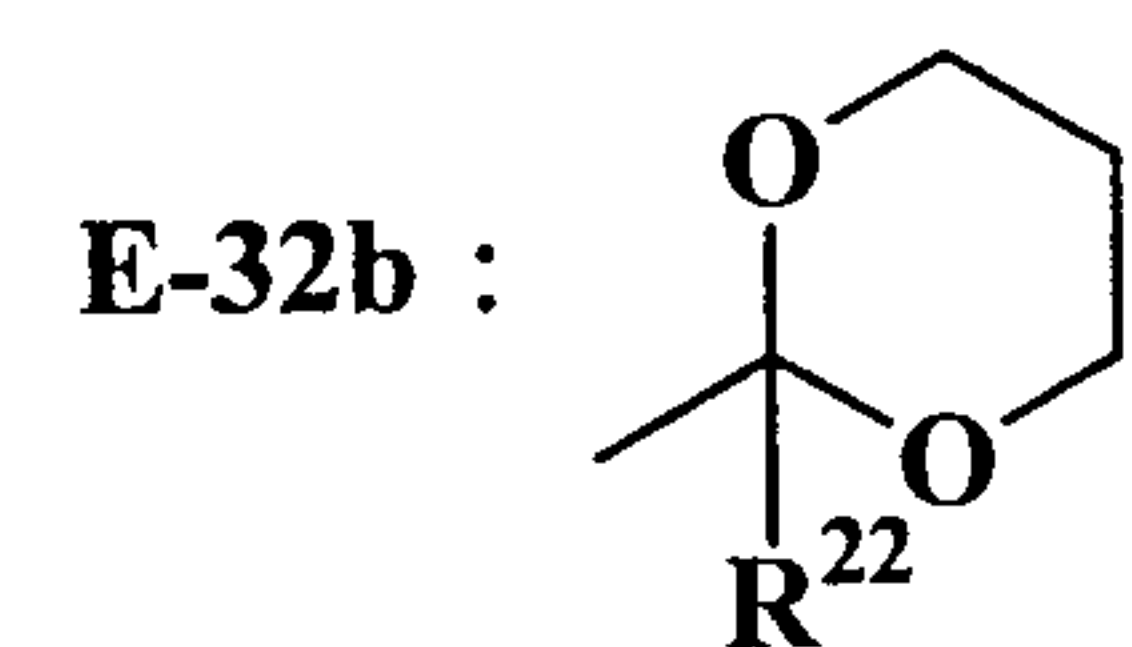
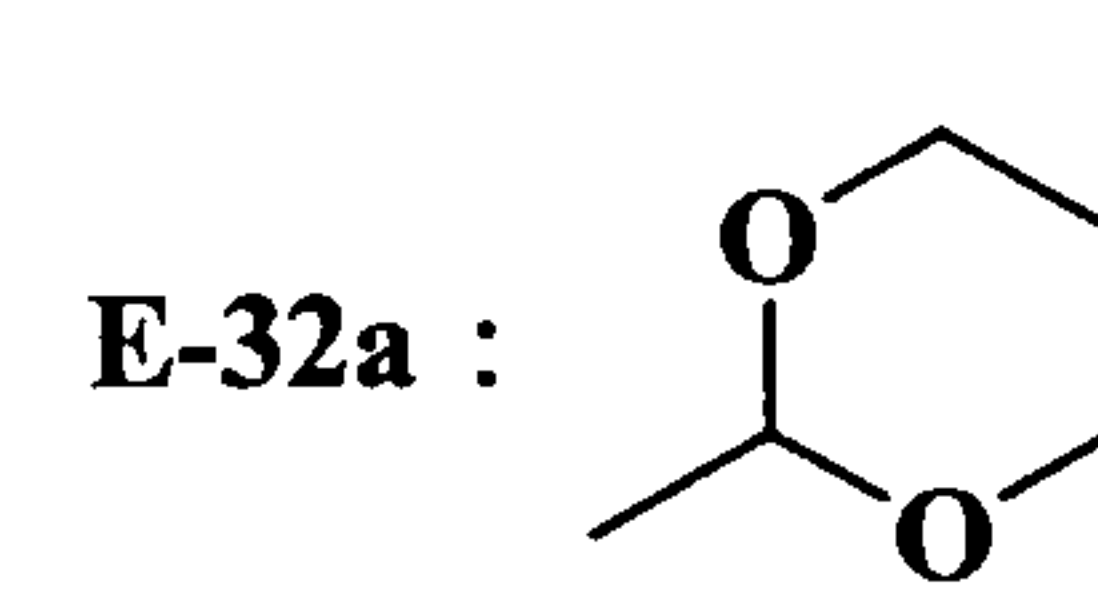
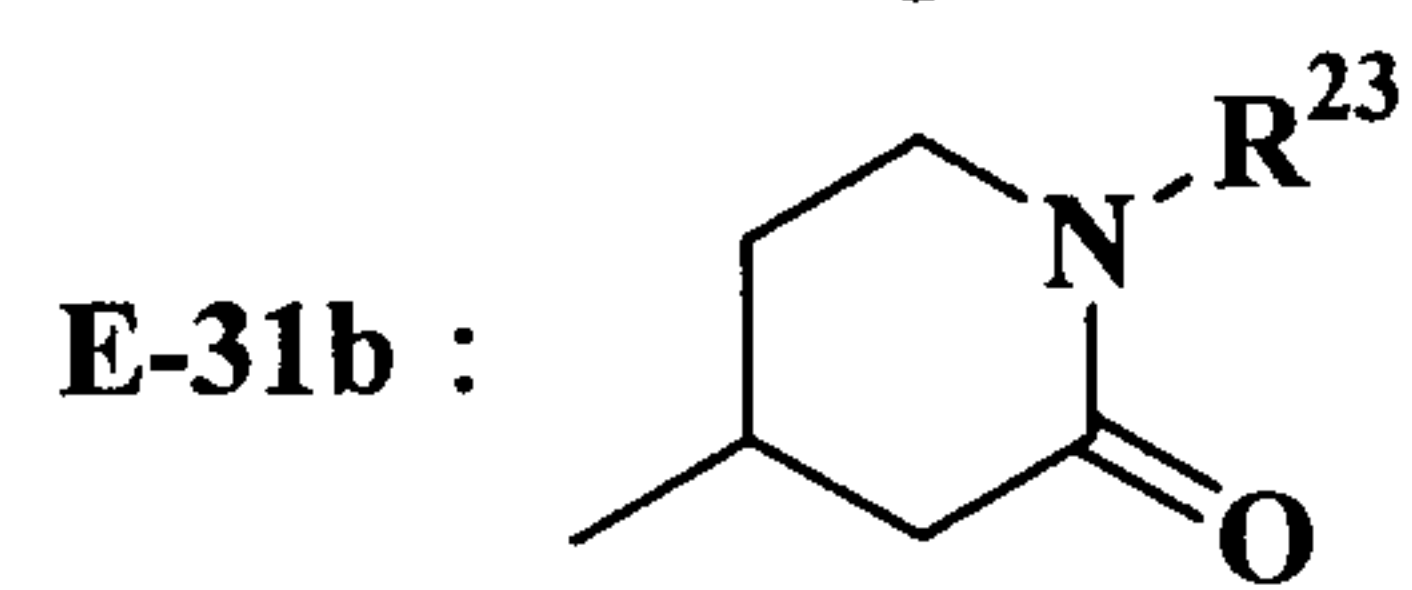
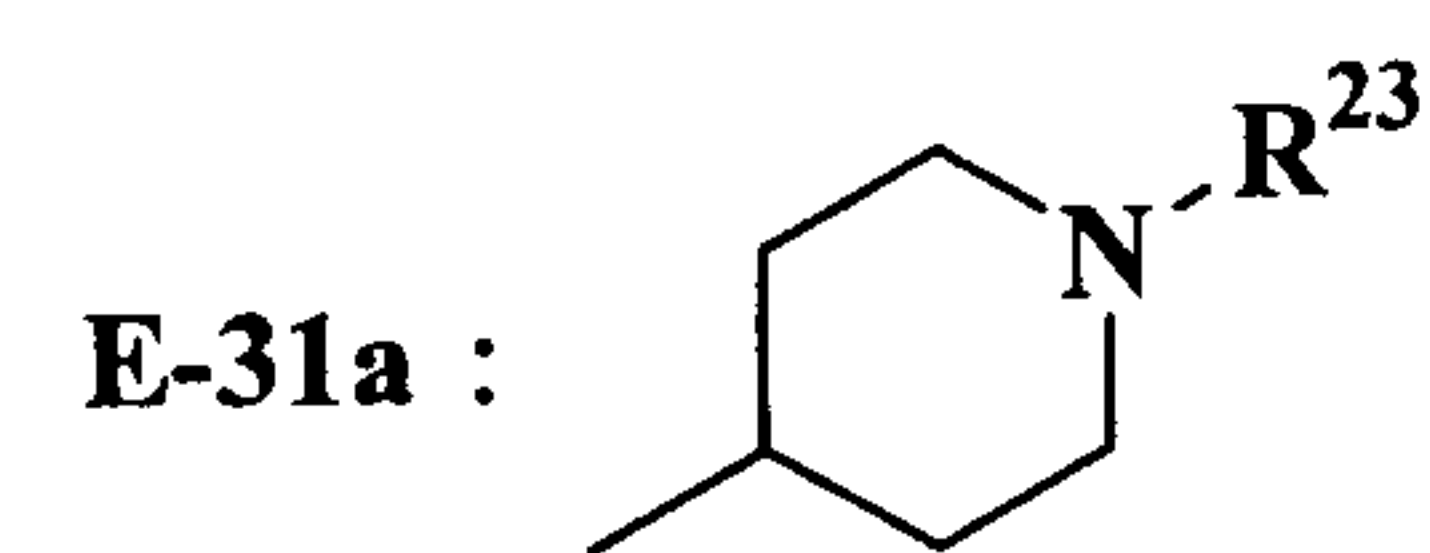
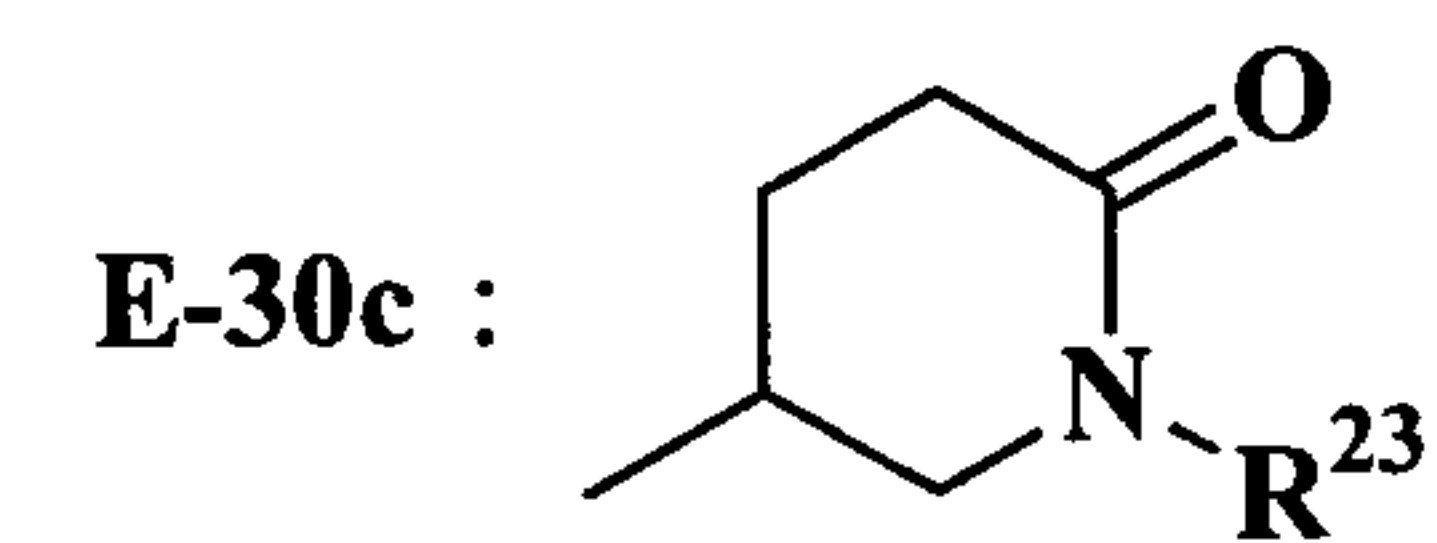
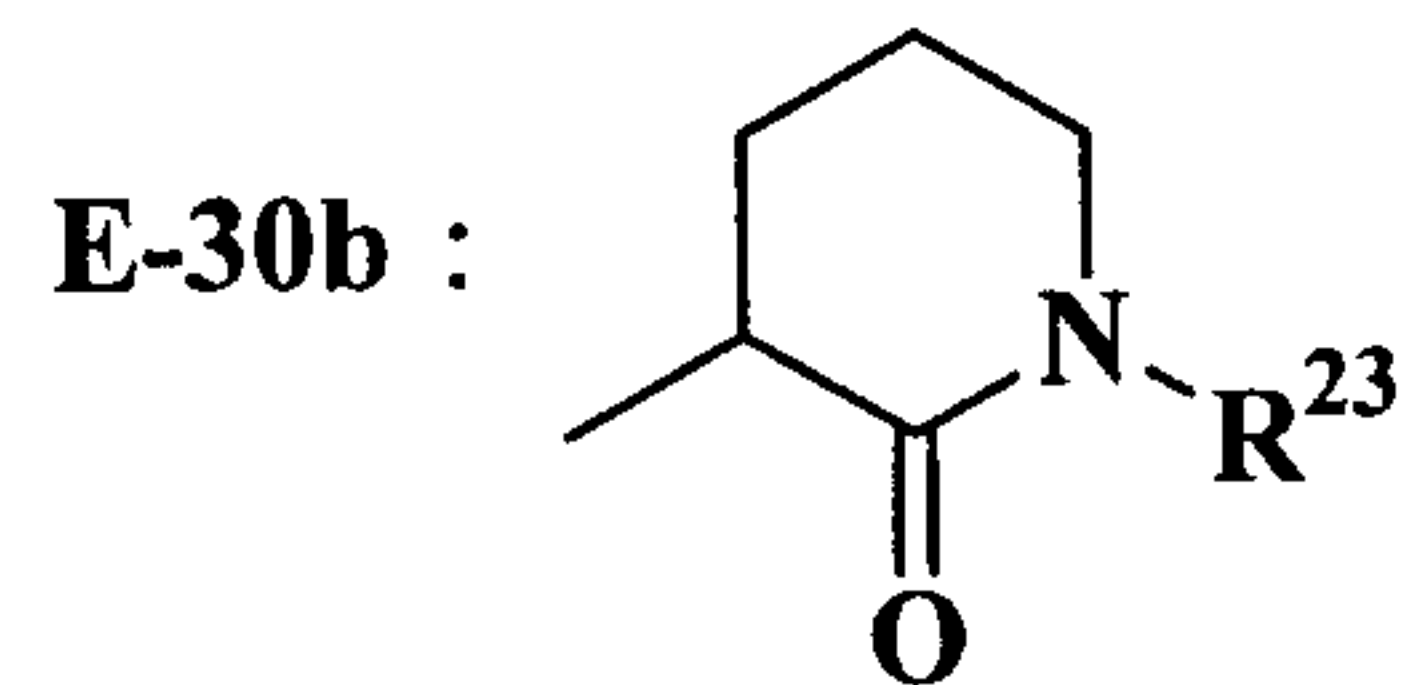
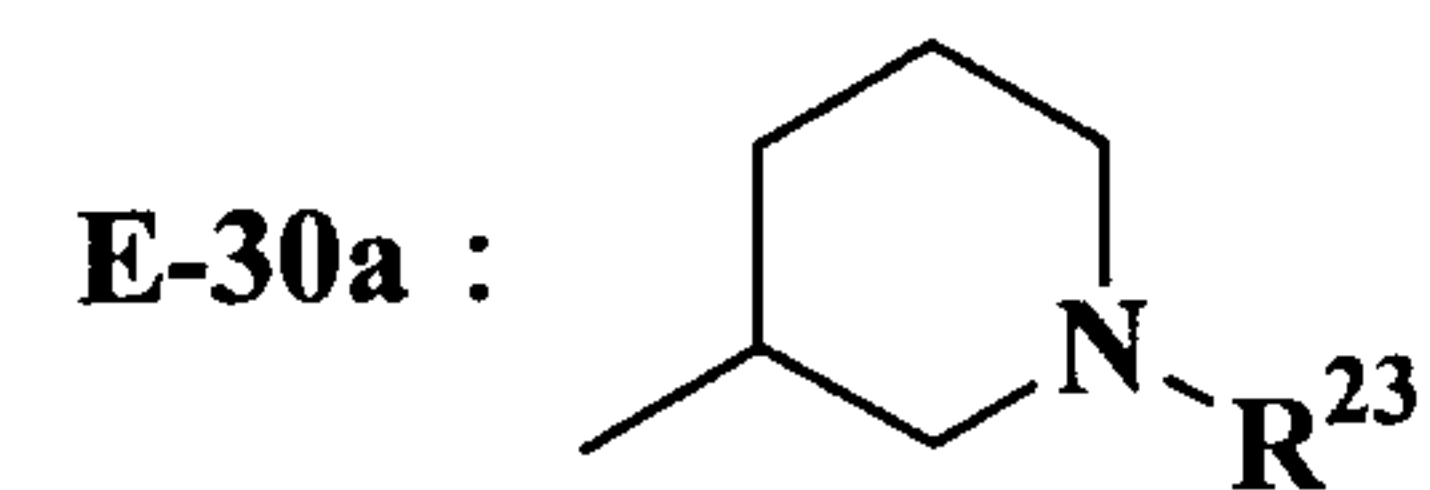
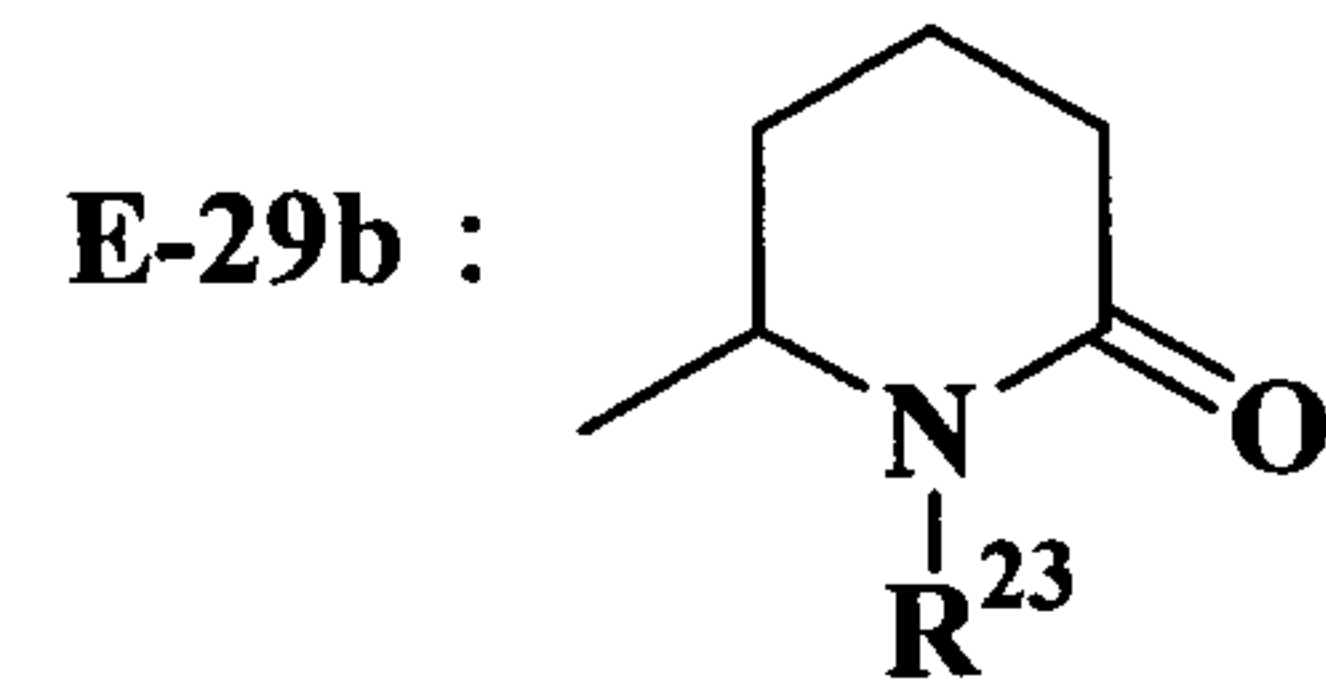
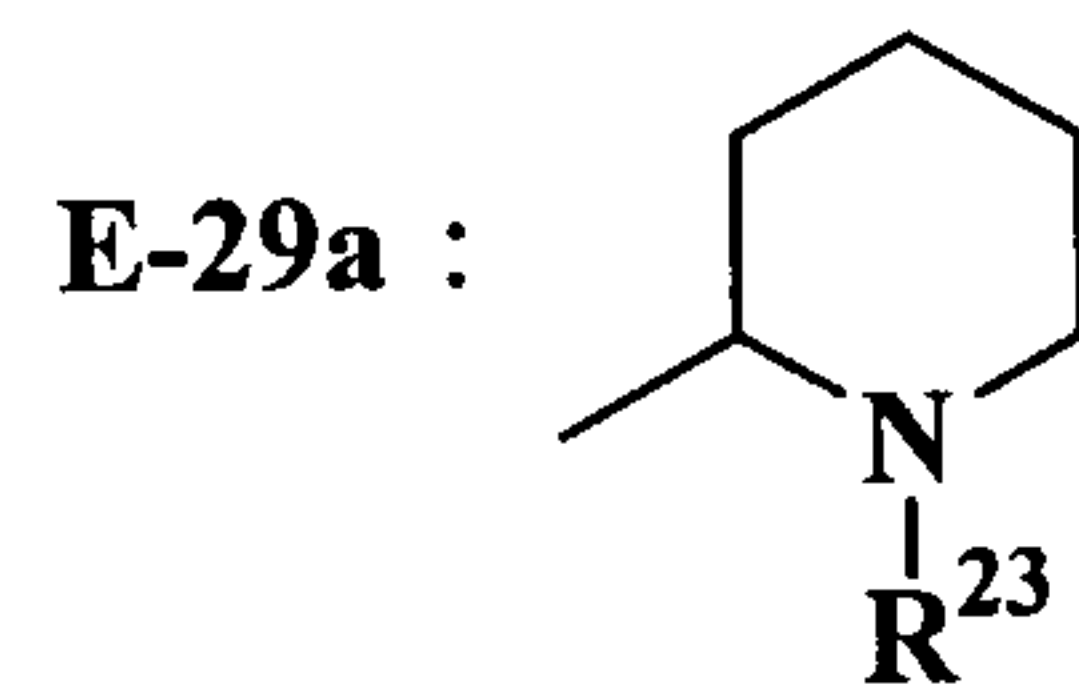
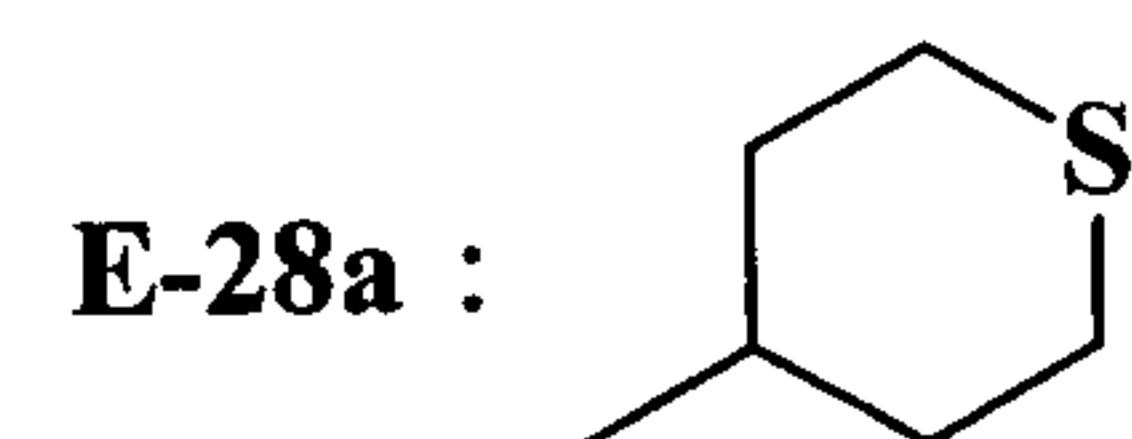
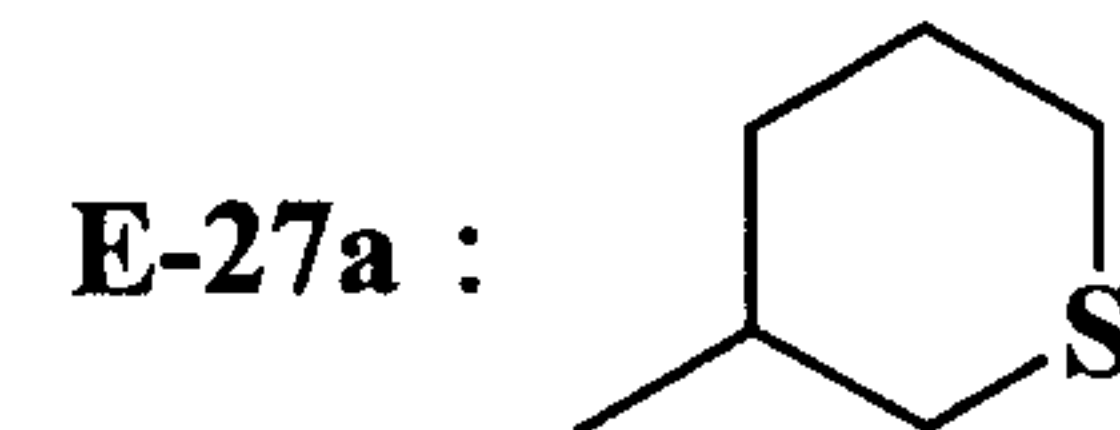
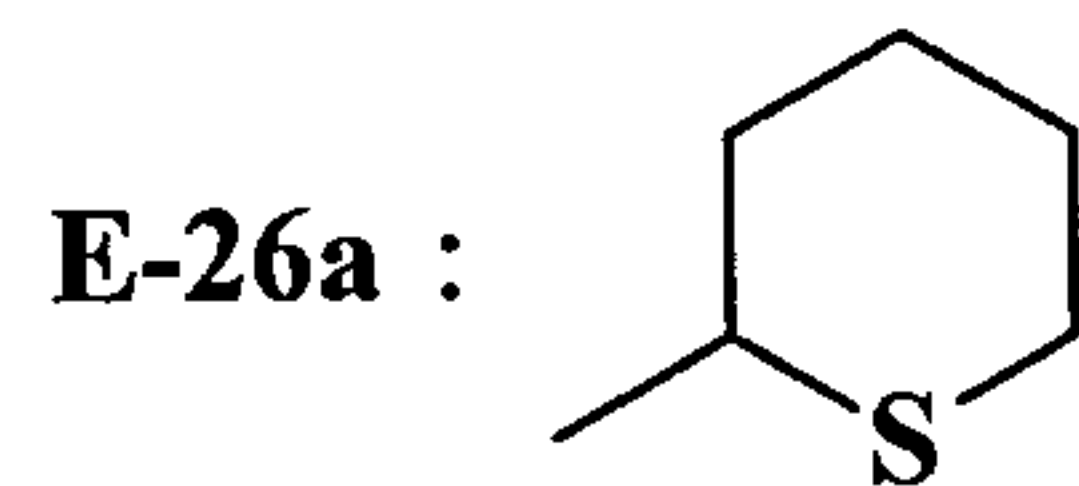
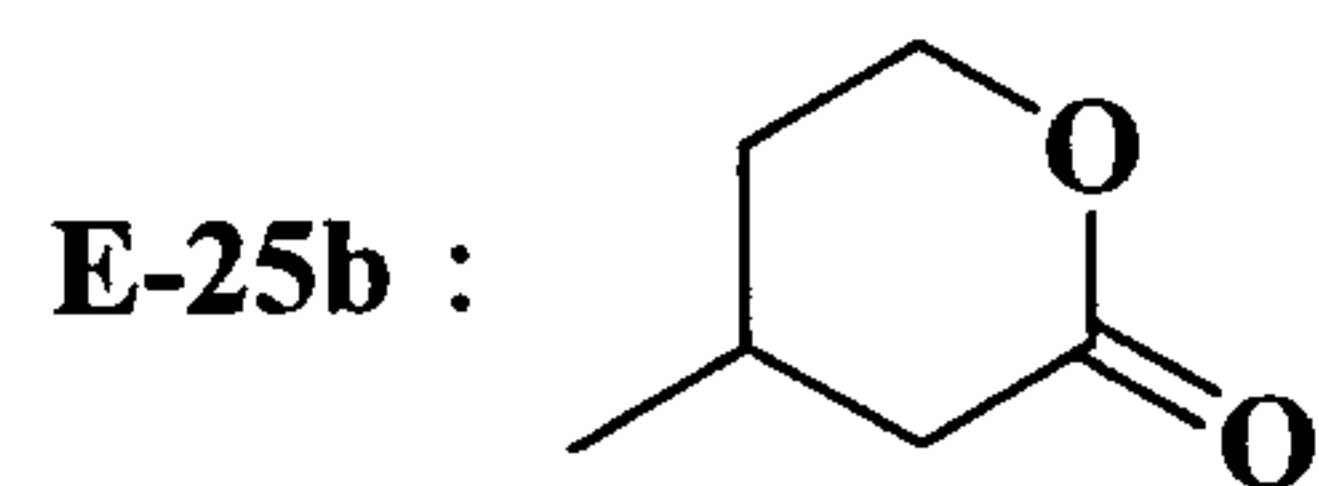
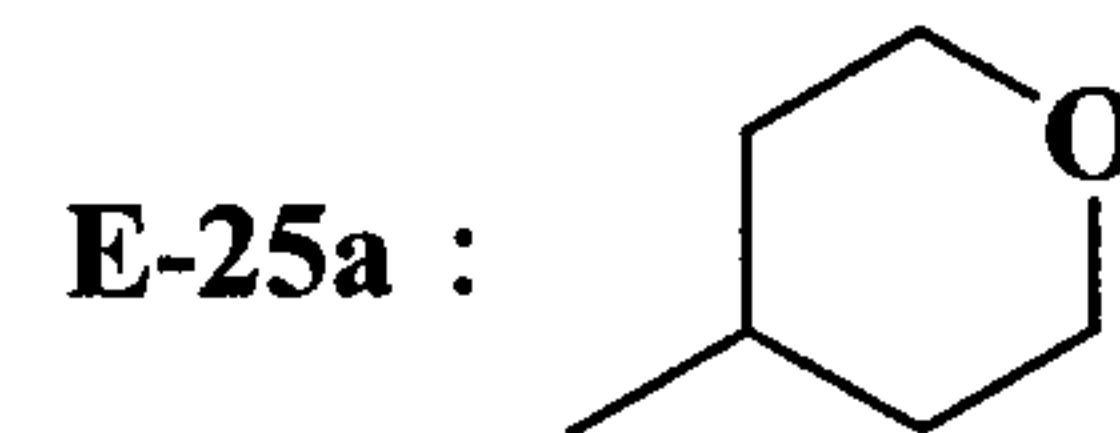
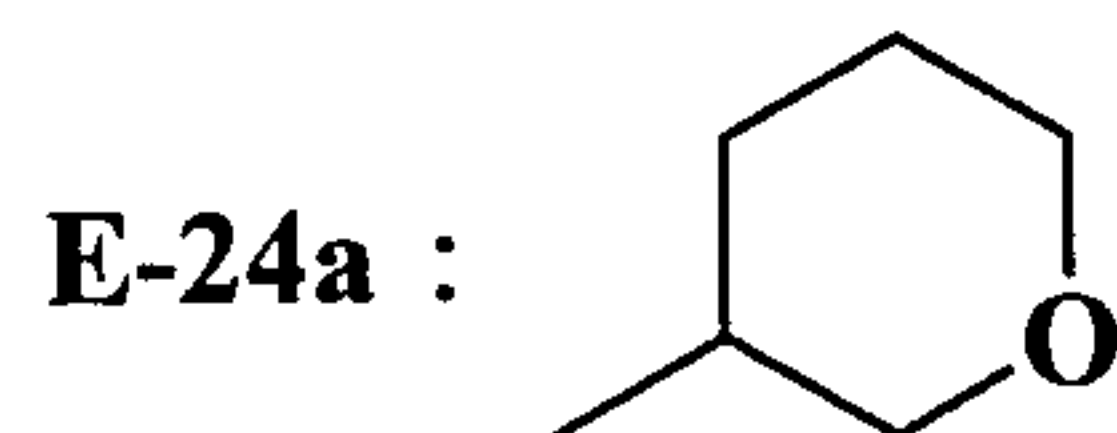
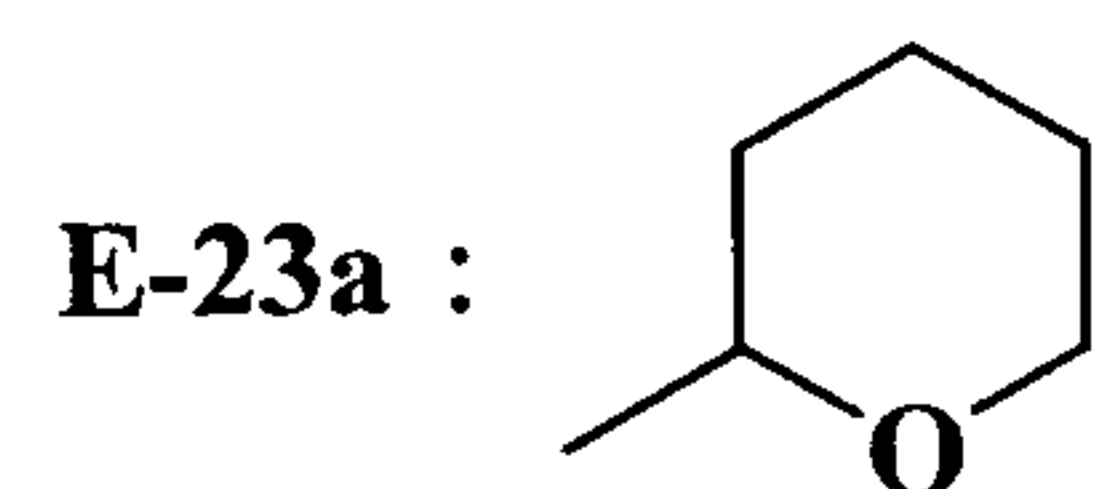
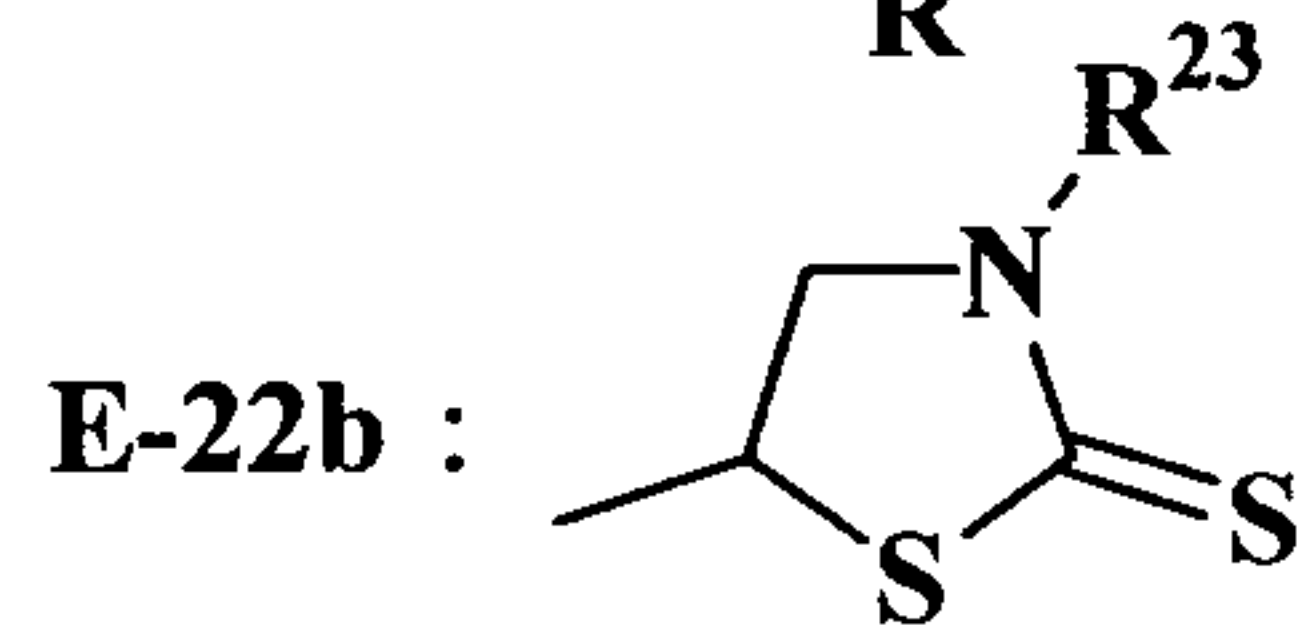
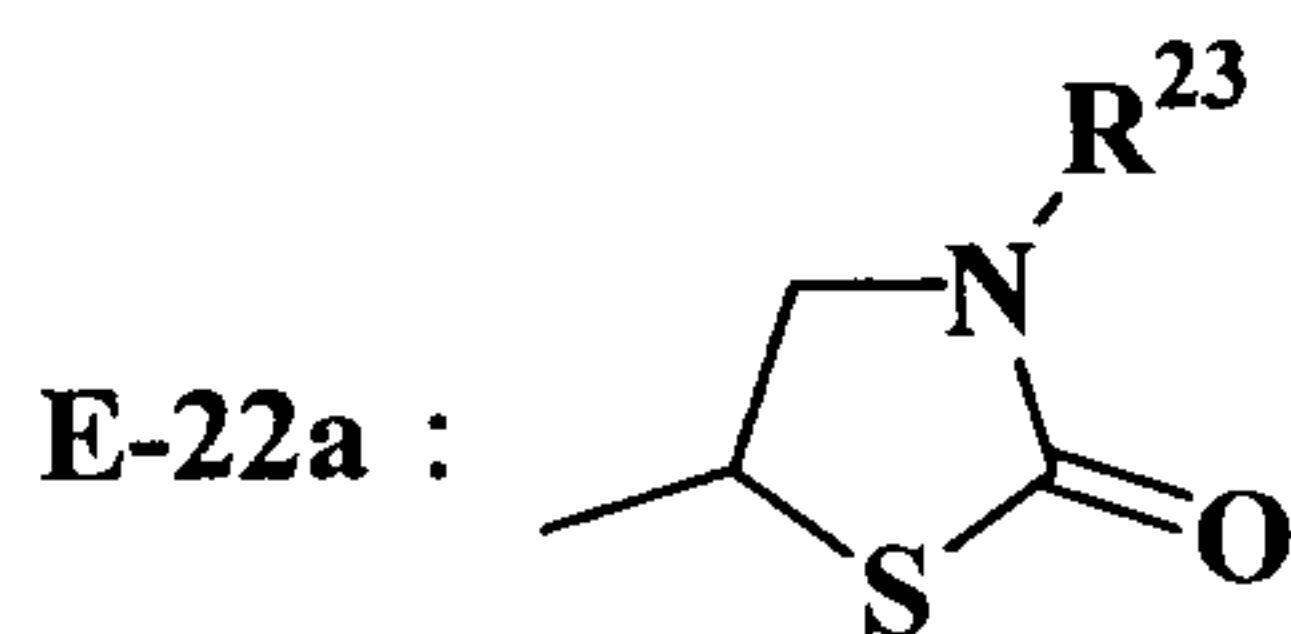
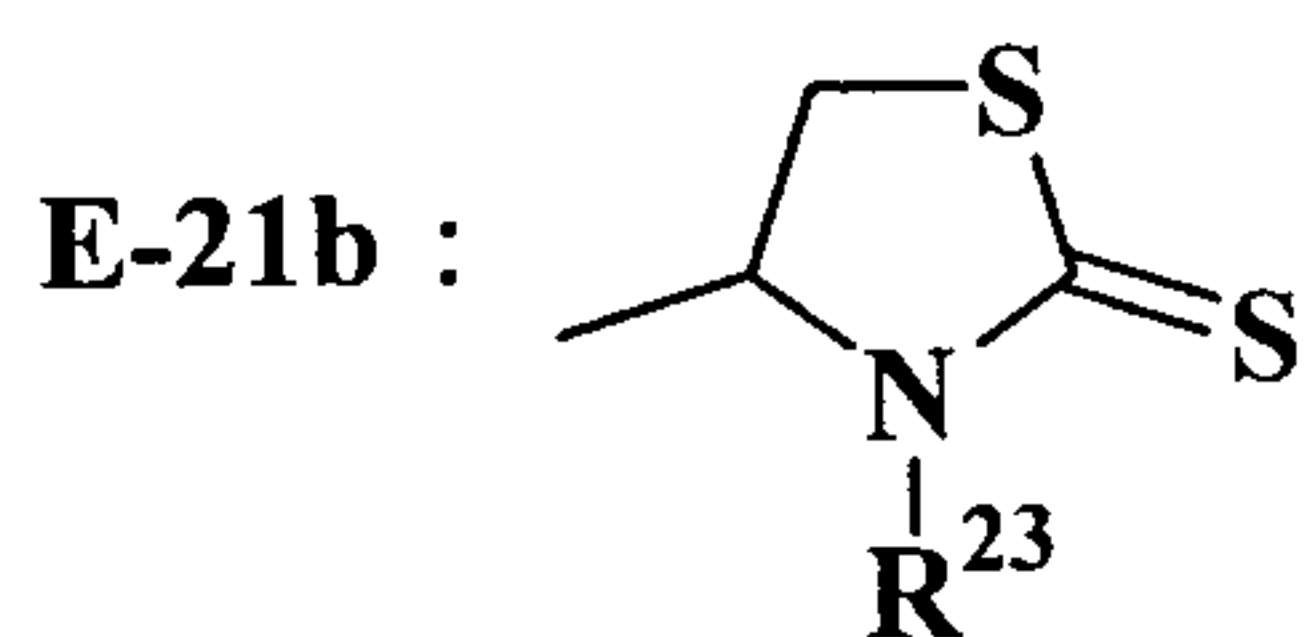
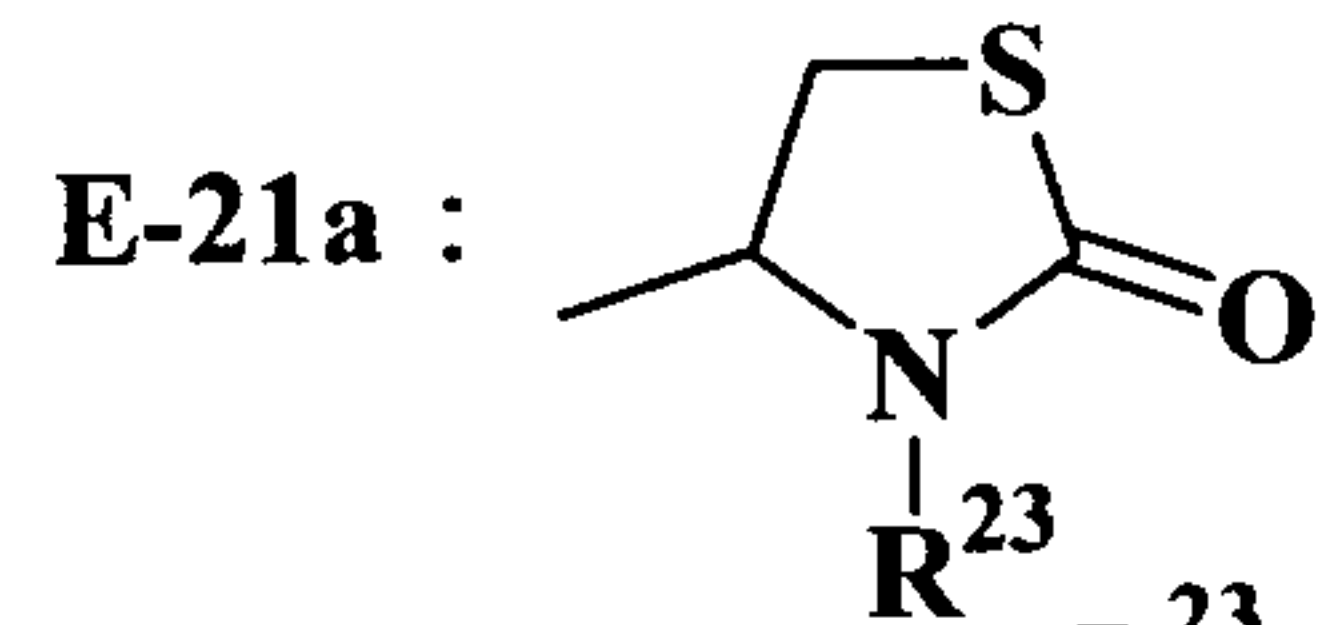
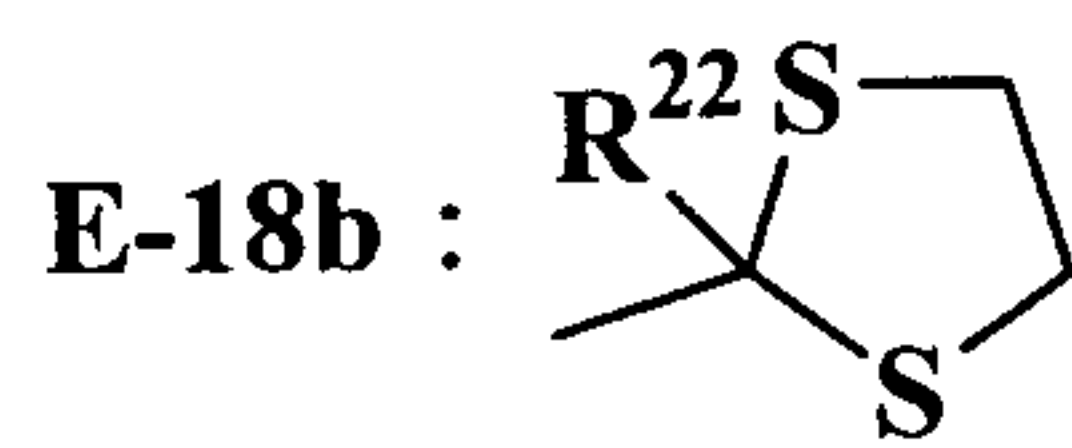
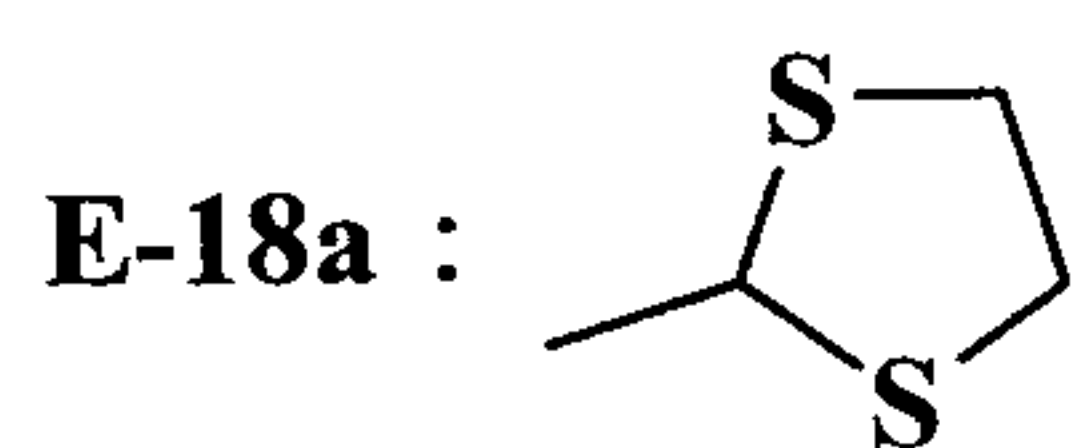


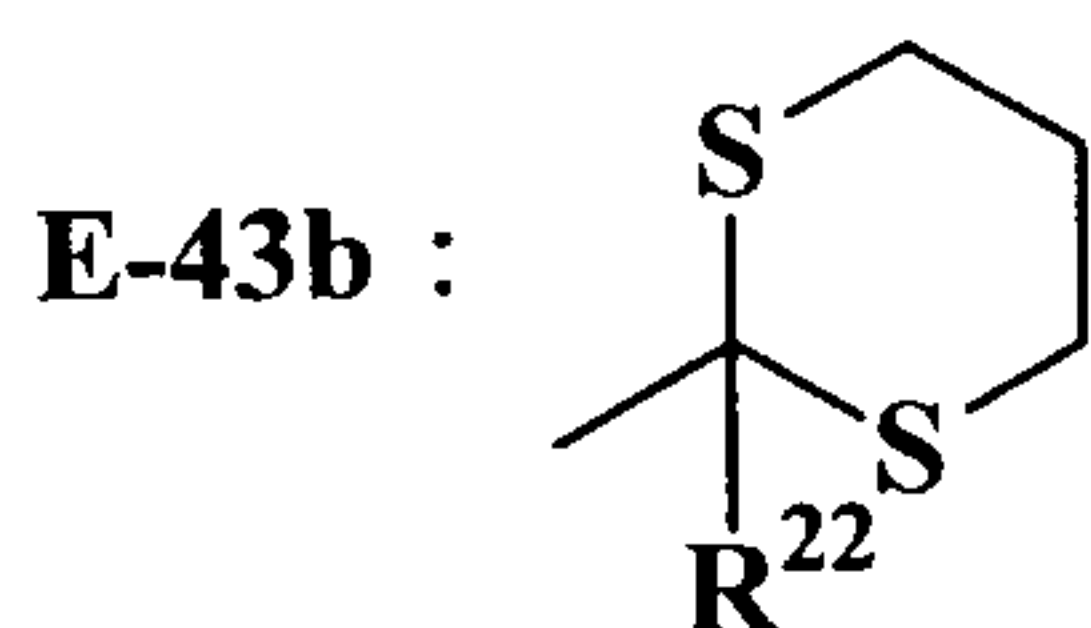
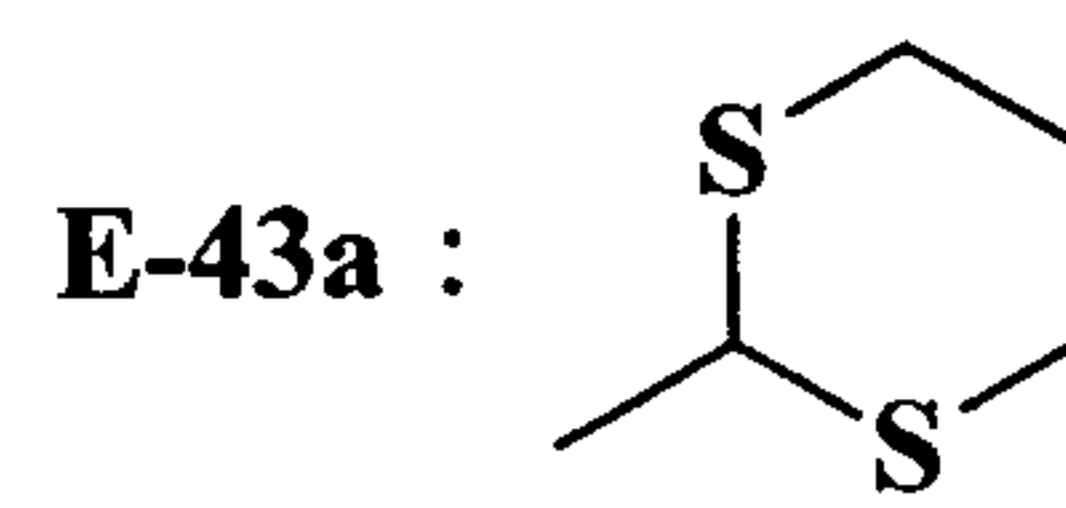
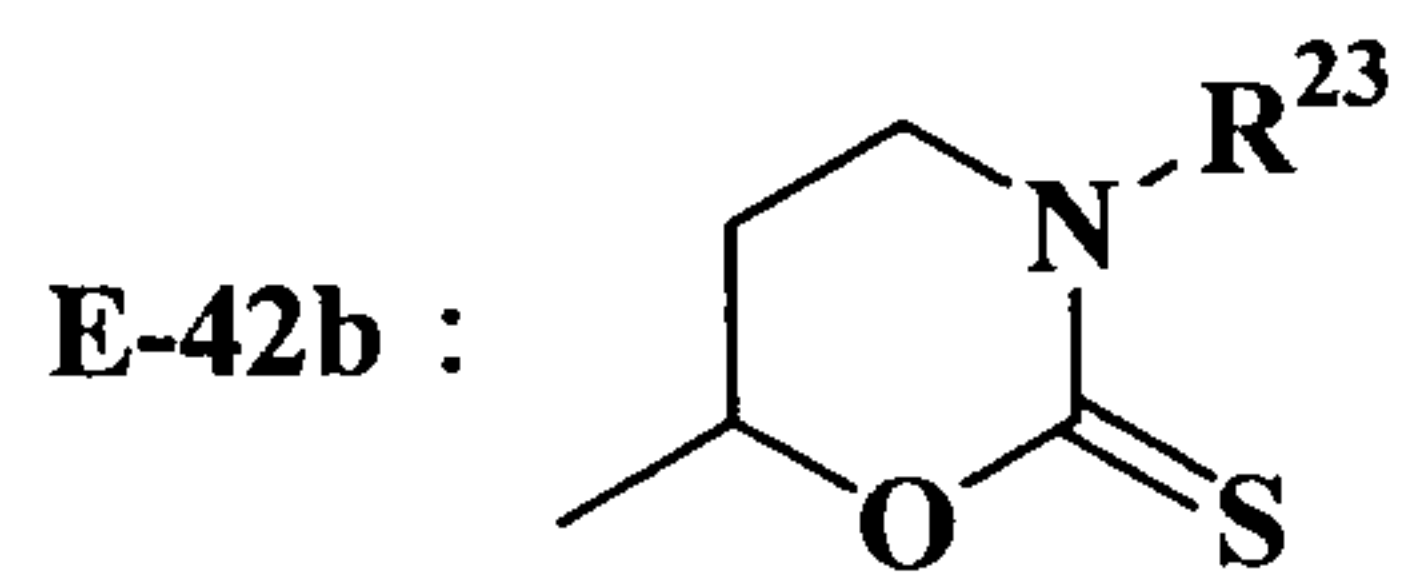
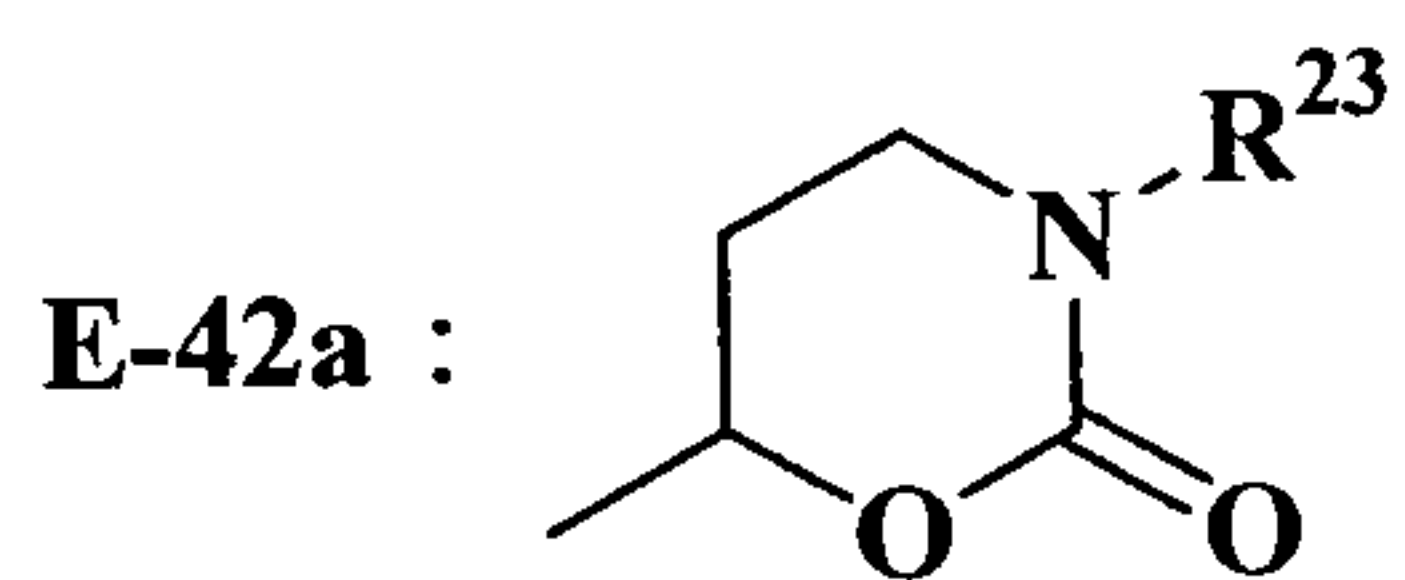


For example, the indication "[CH₂(D-17a)CH₃]" means 1-methylpyrazol-5-yl methyl, the indication "[CH₂(D-22b)CH₃]" means 2-methylthiazol-4-yl methyl.

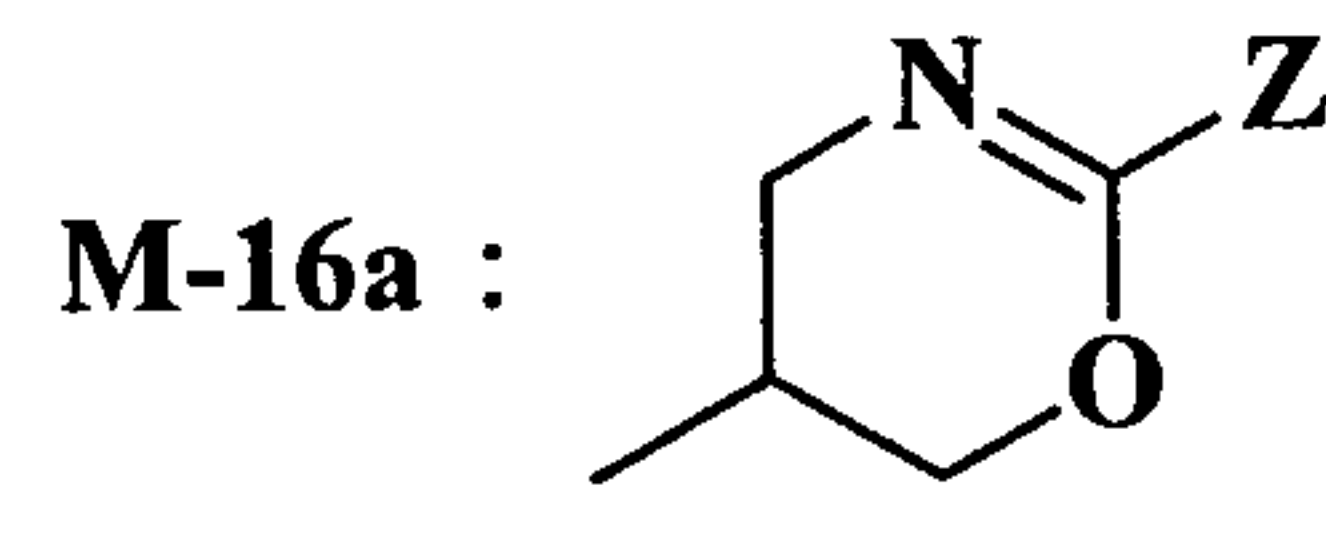
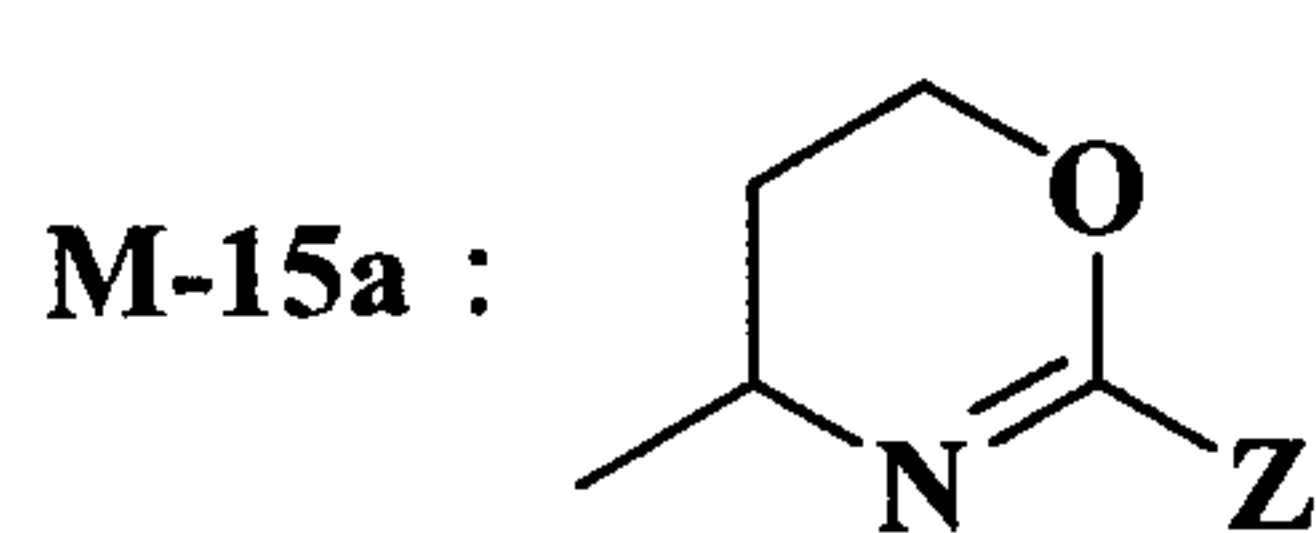
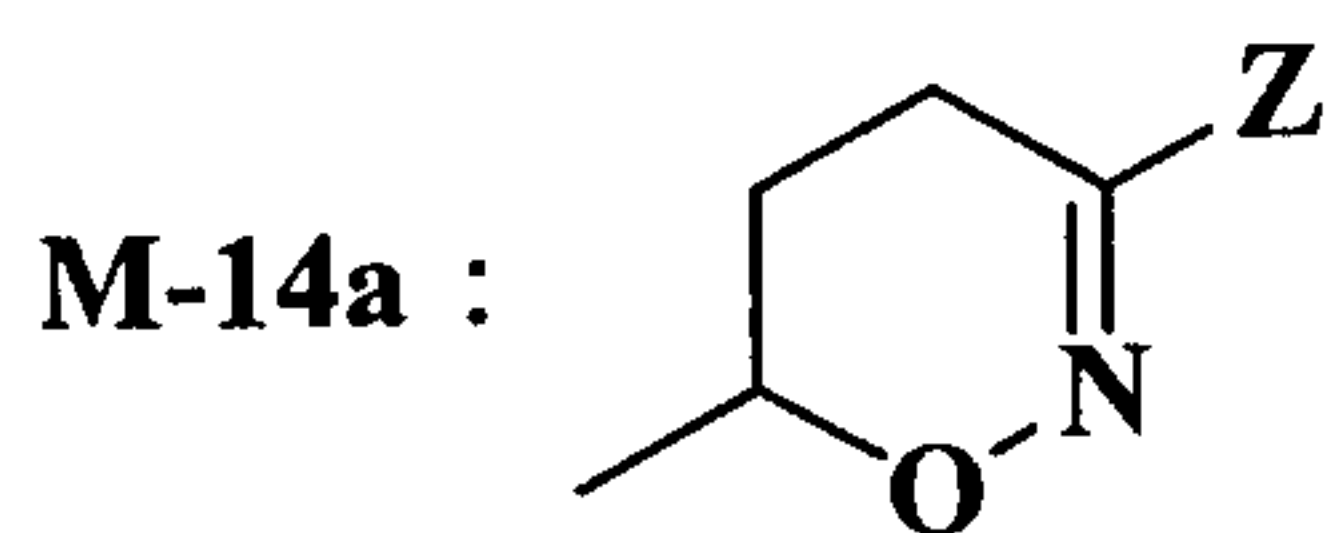
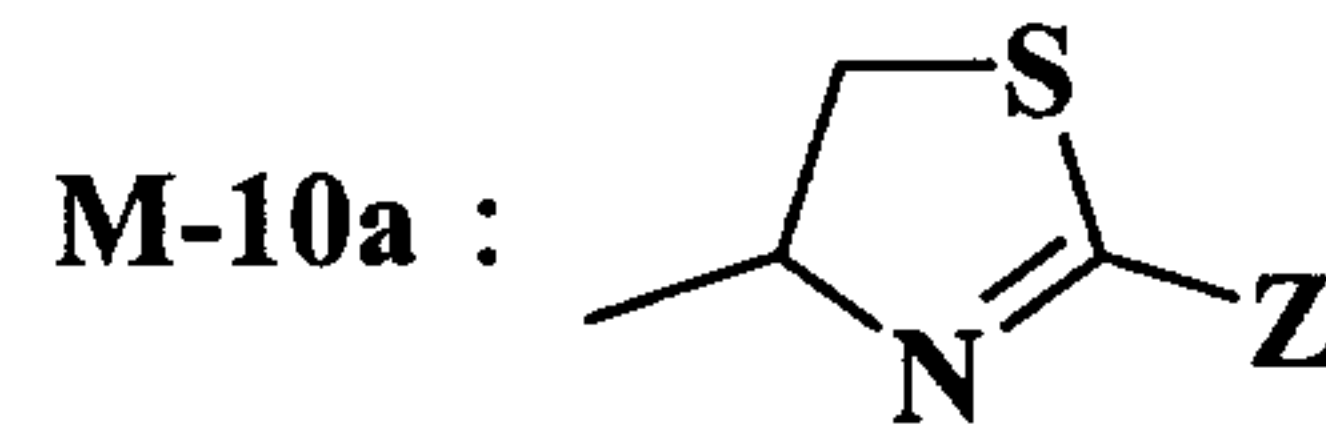
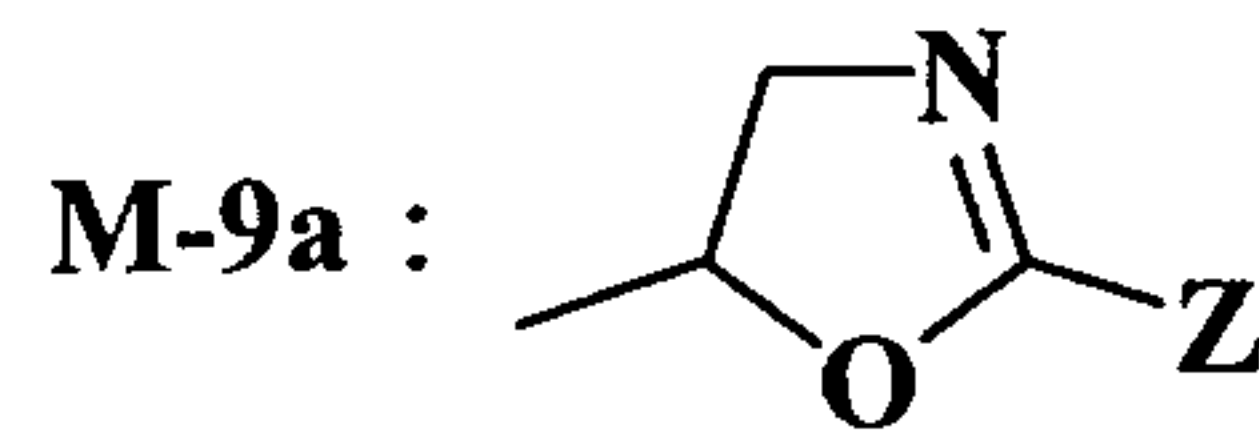
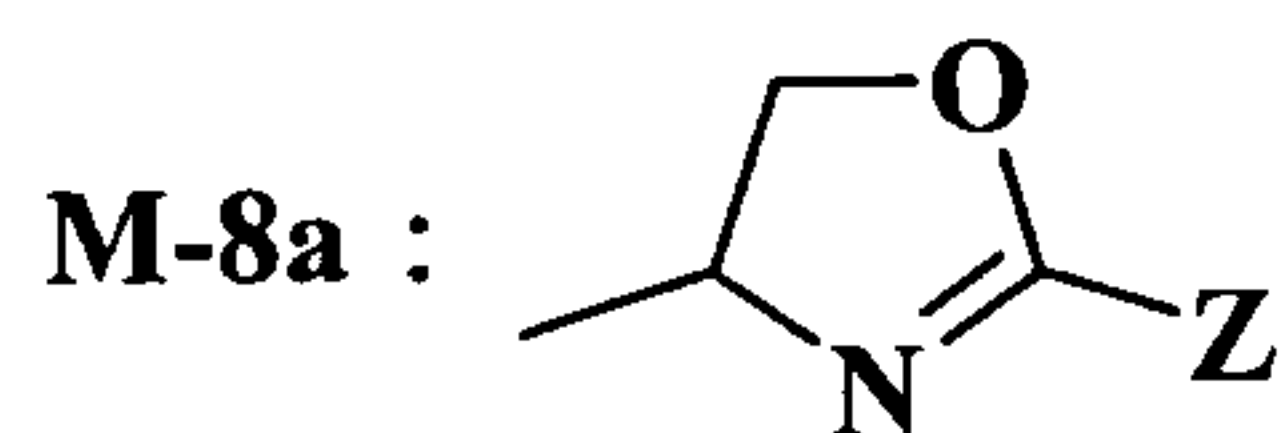
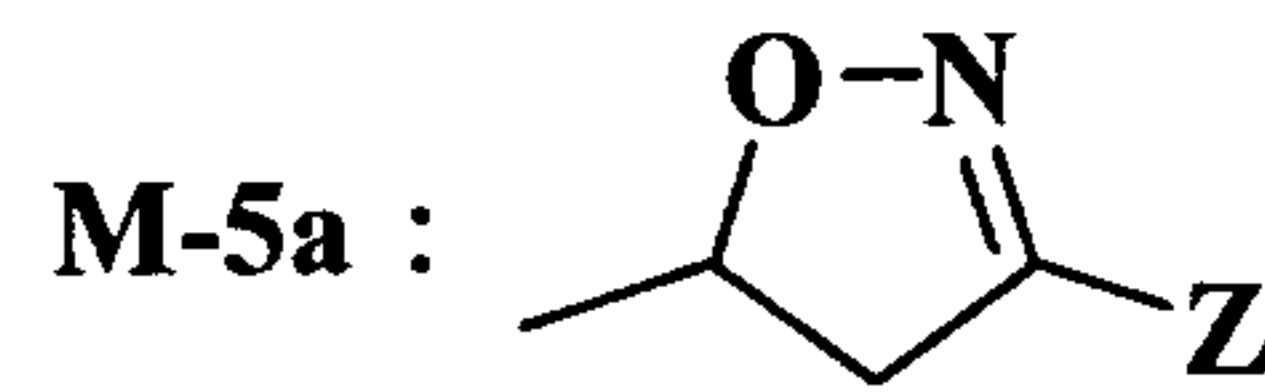
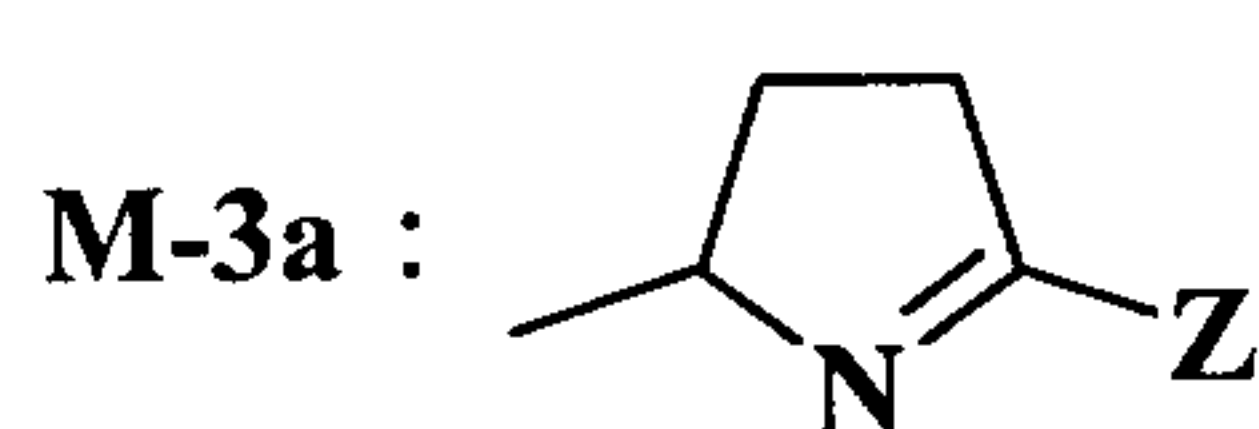
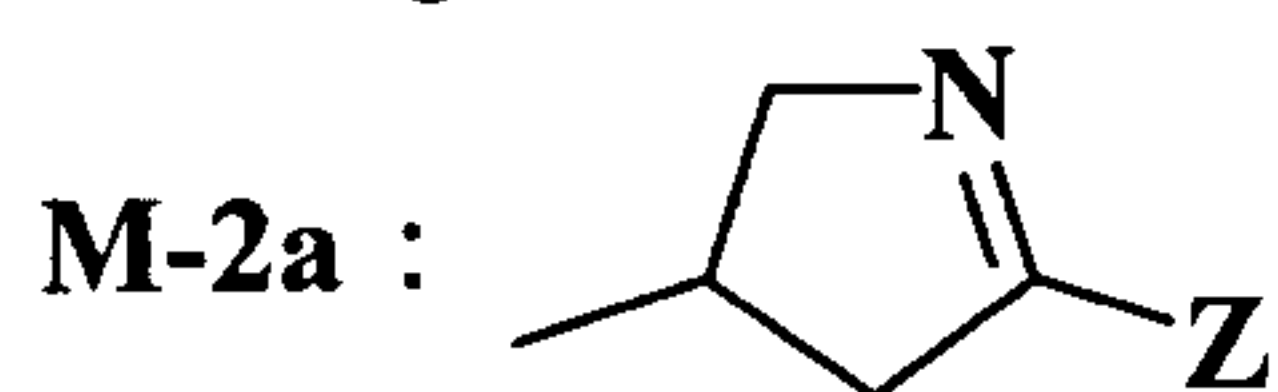
In addition, aliphatic heterocyclic rings of E-4a to E-43b are the following structures, respectively





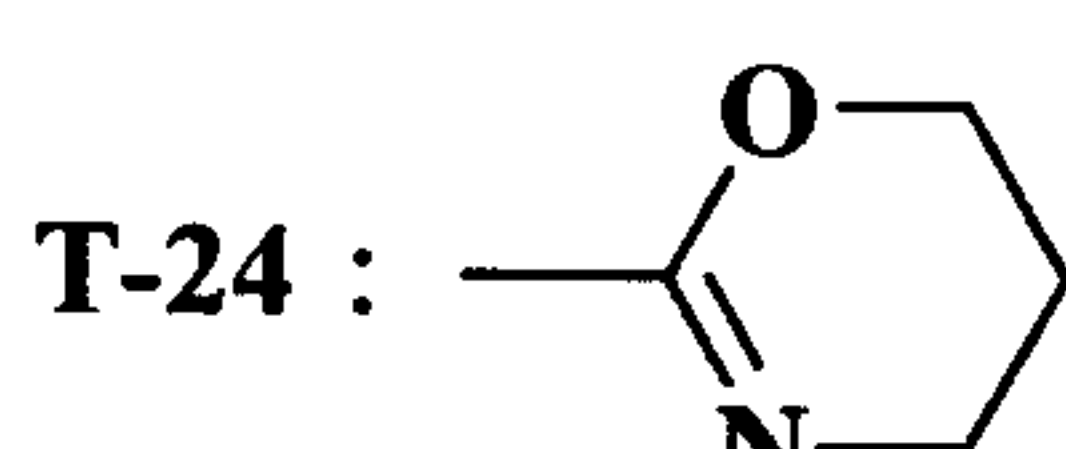
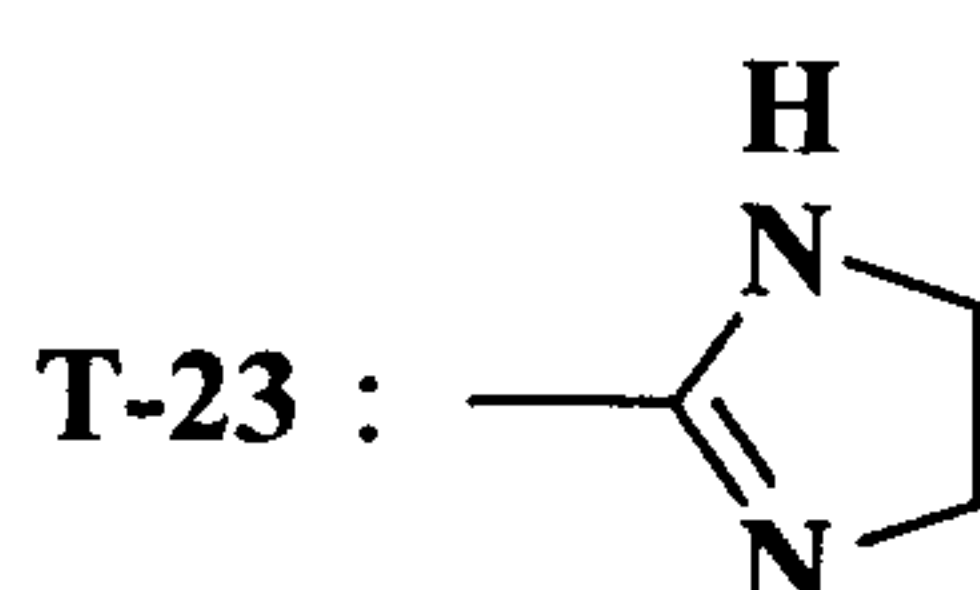
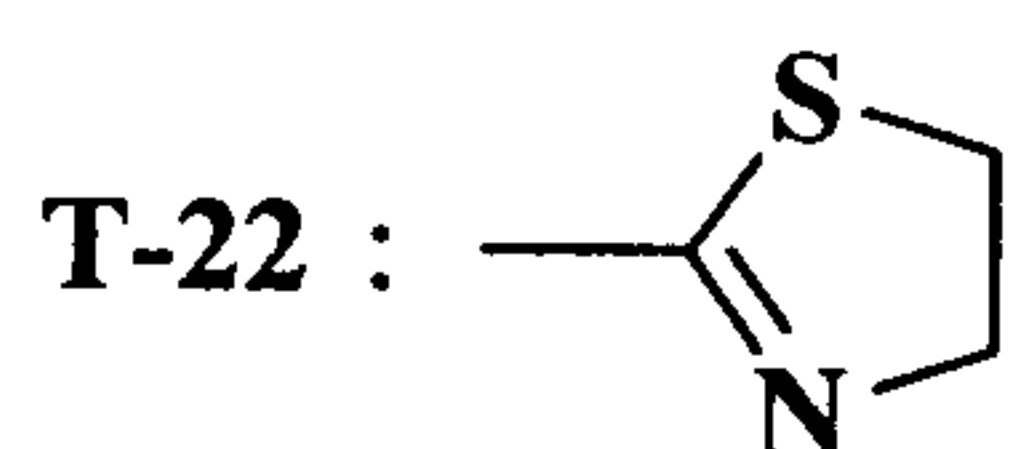
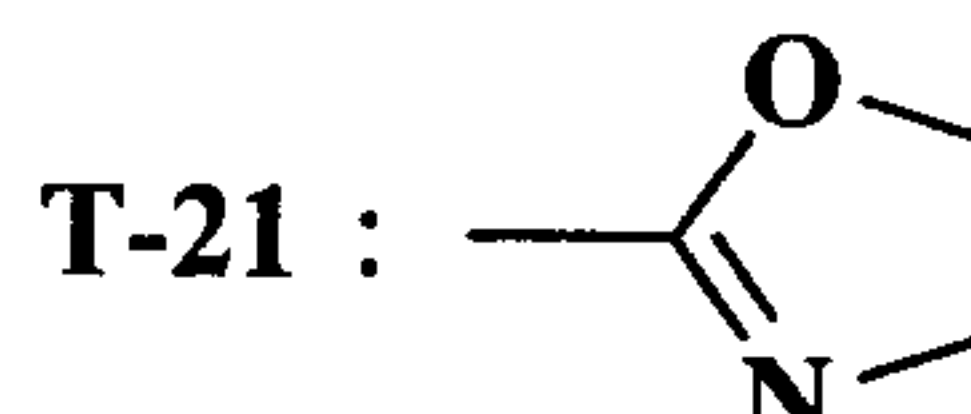
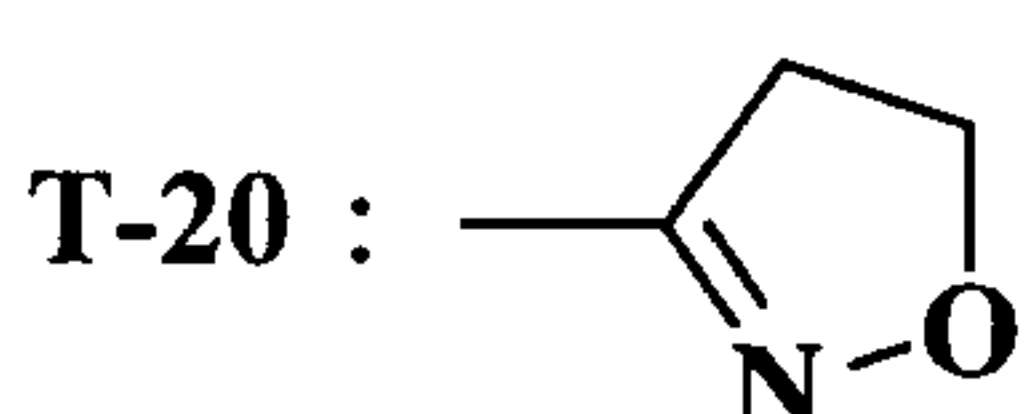
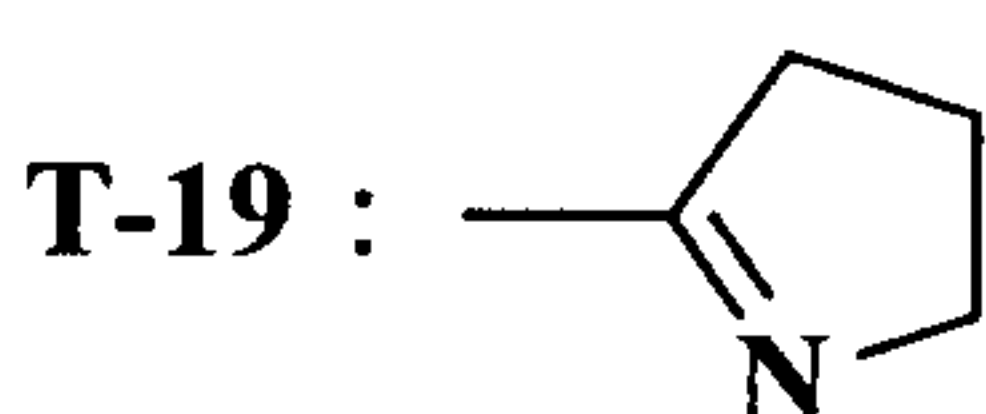
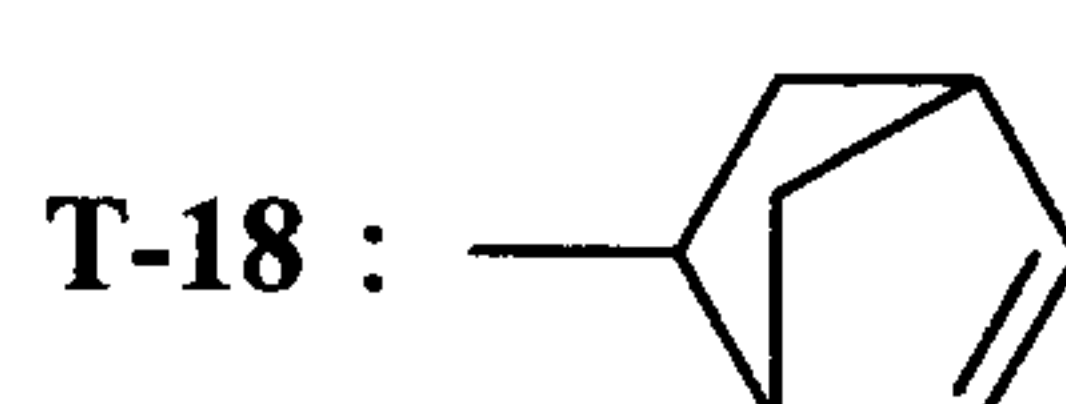
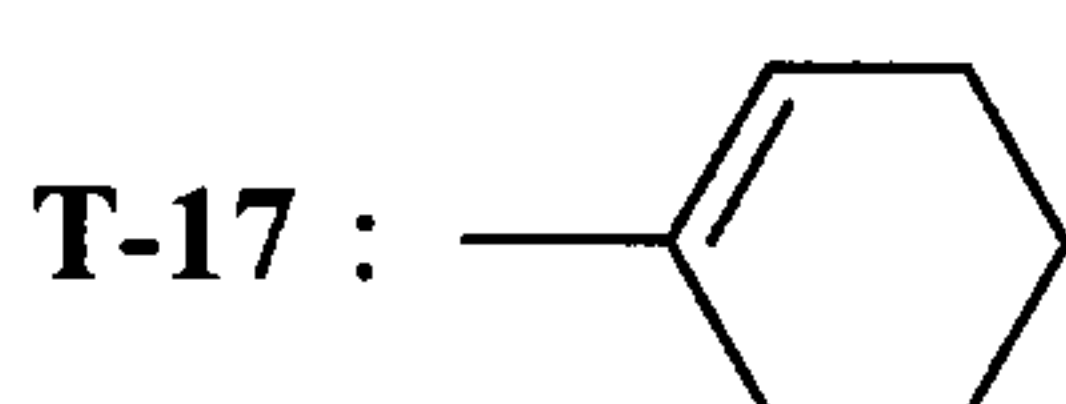
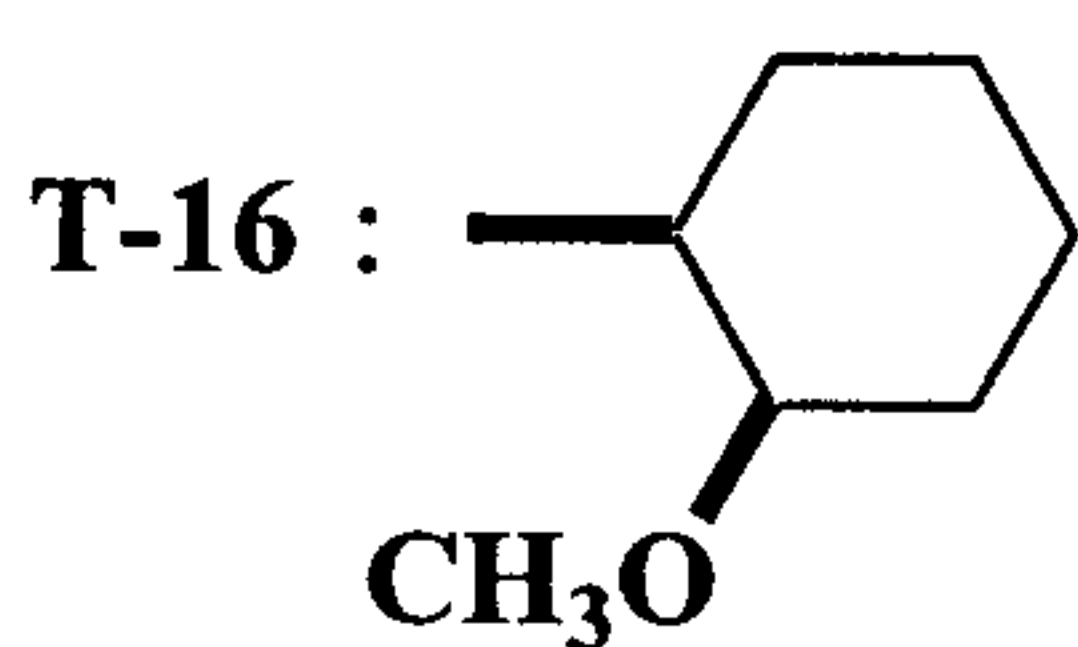
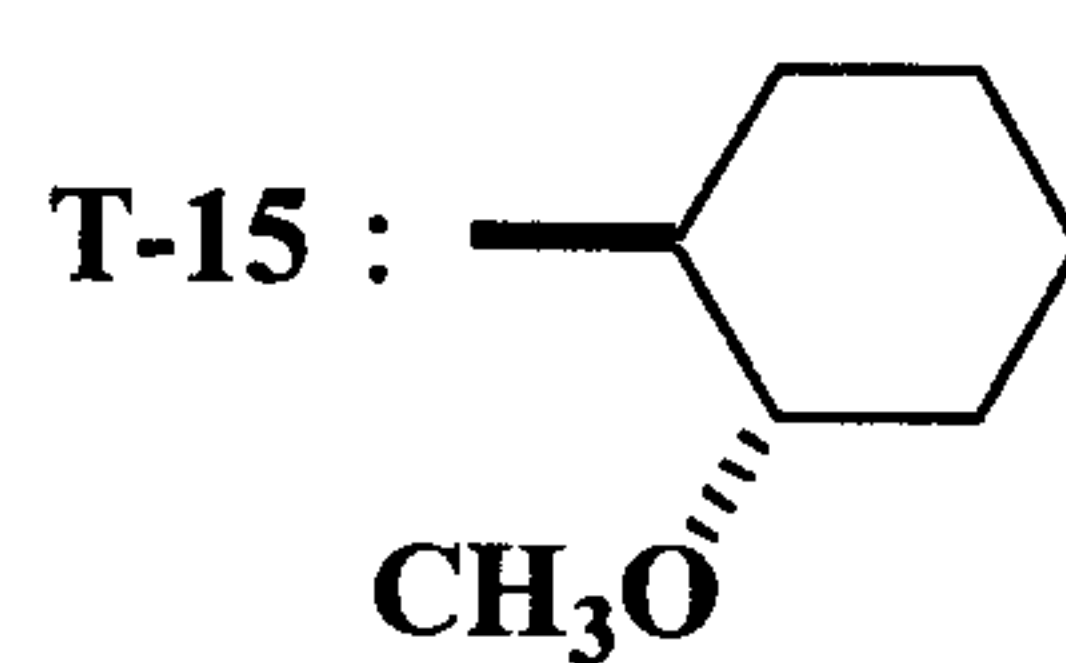
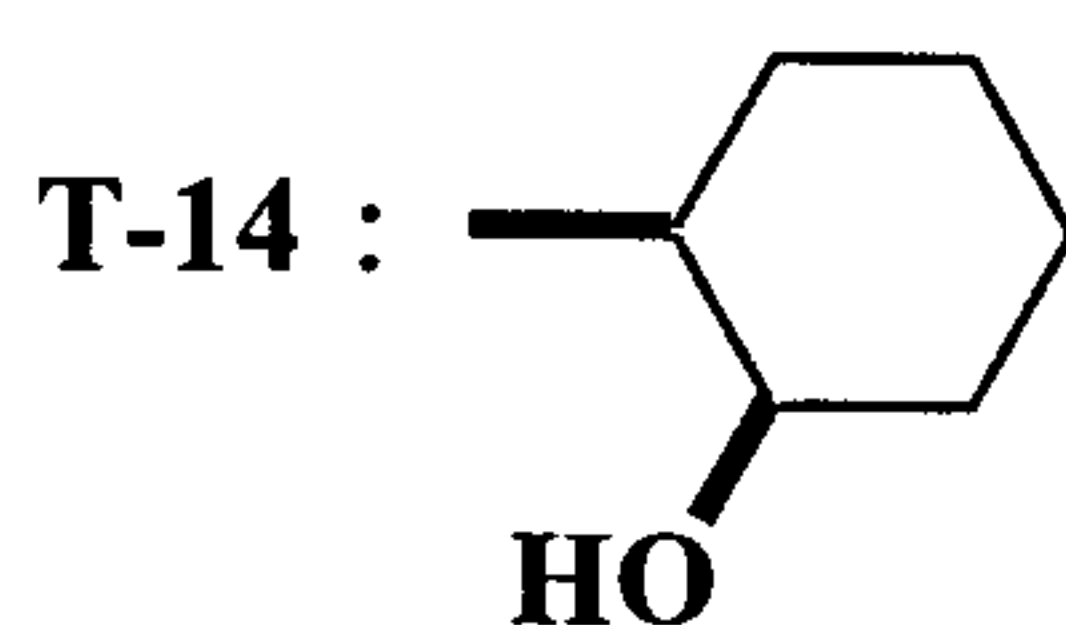
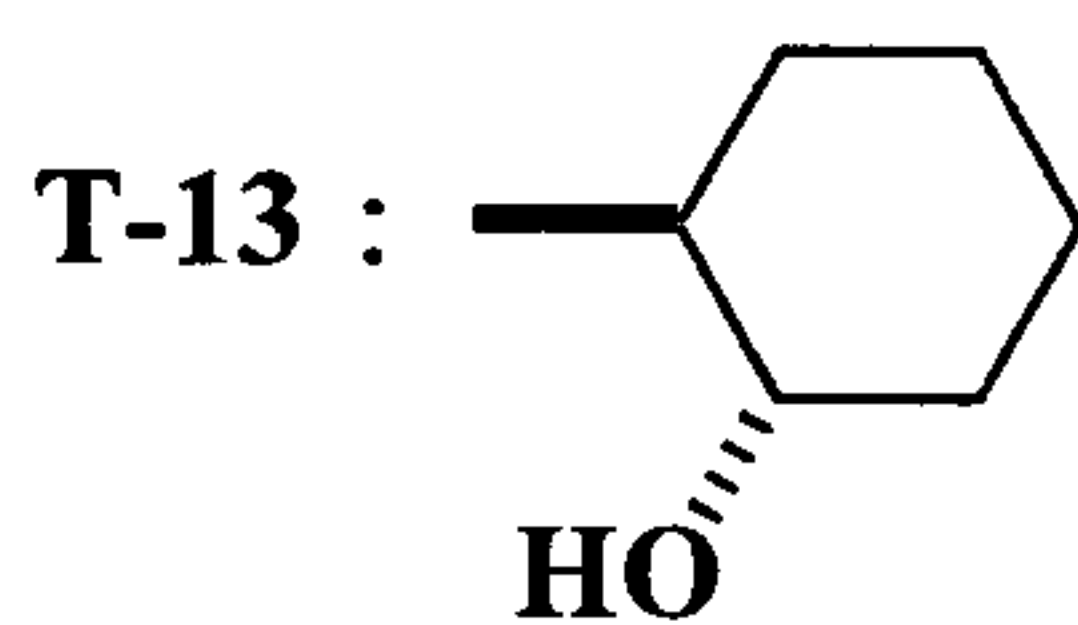
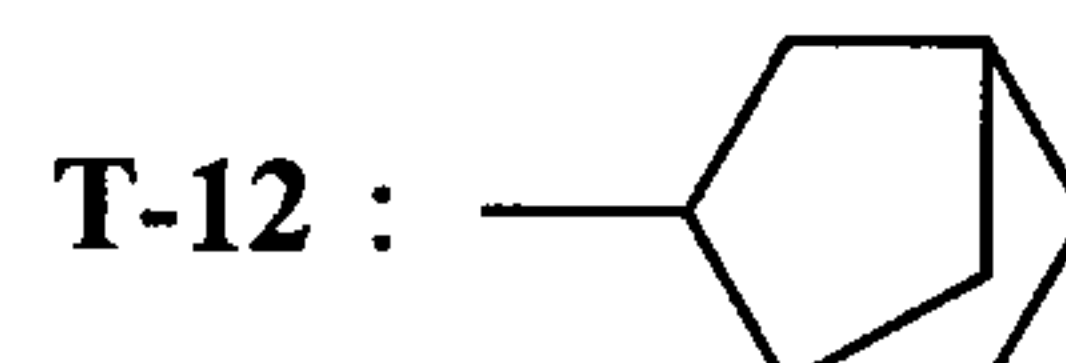
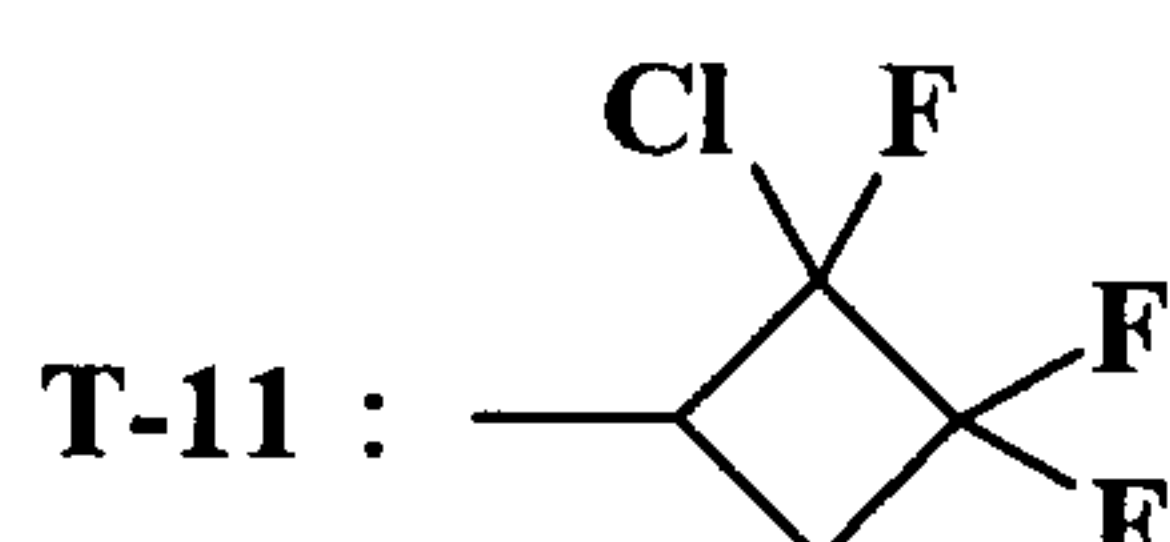
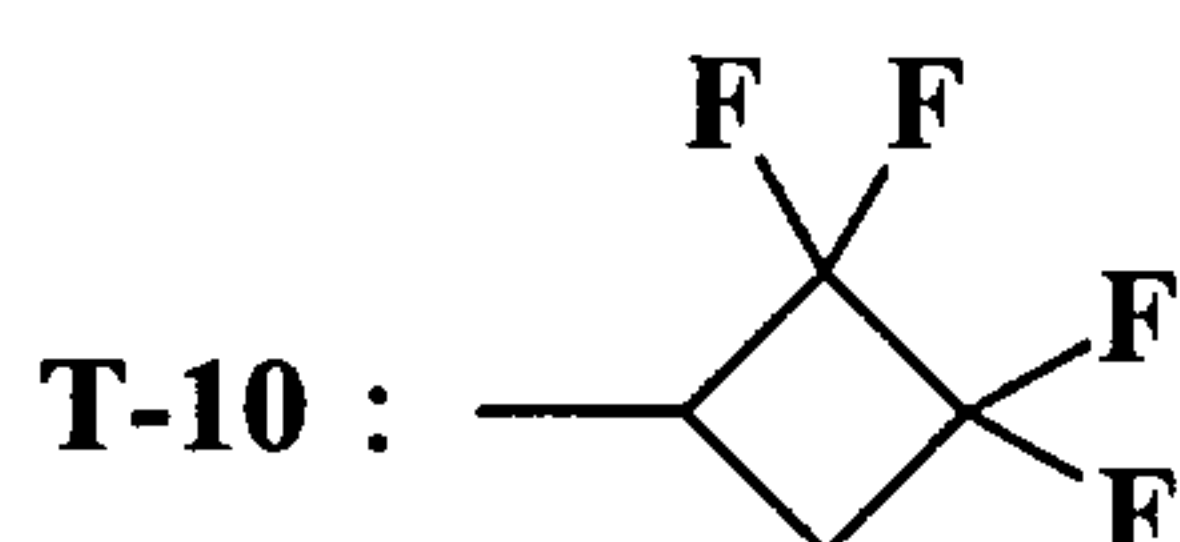
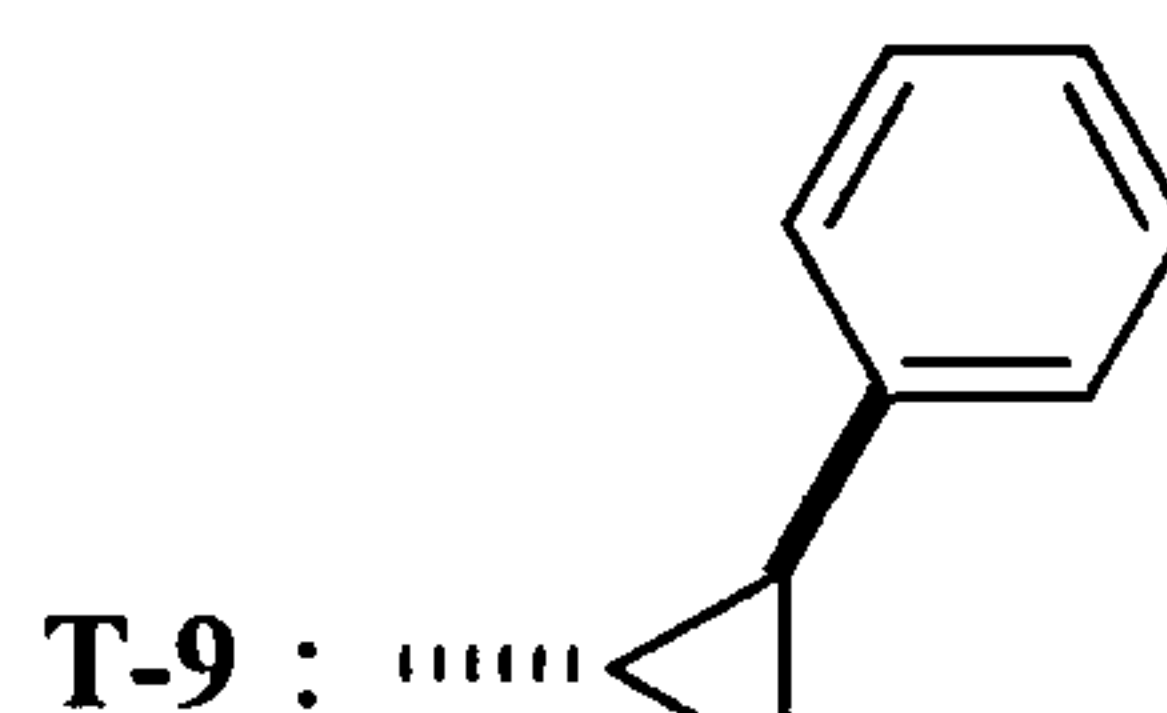
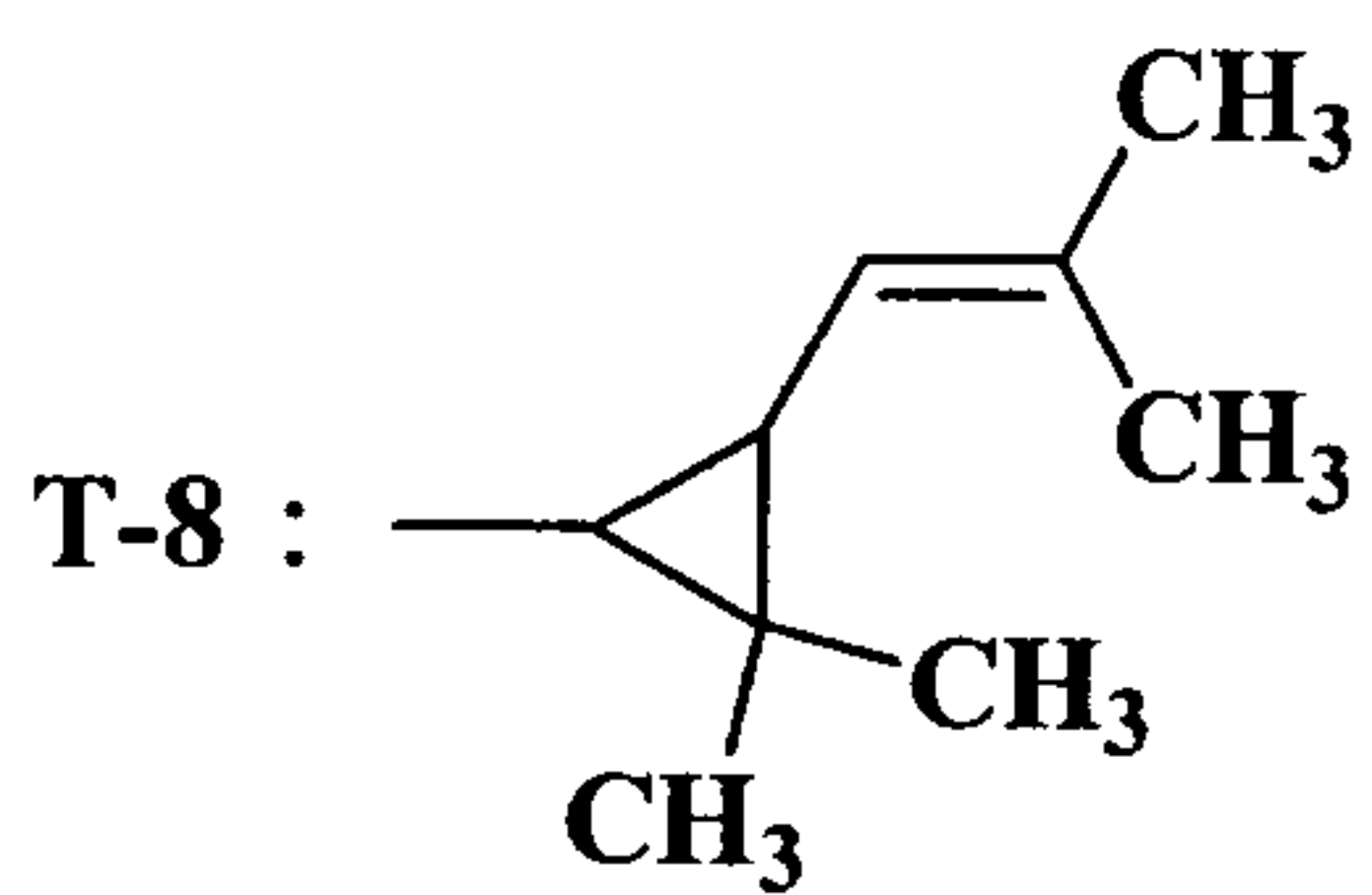
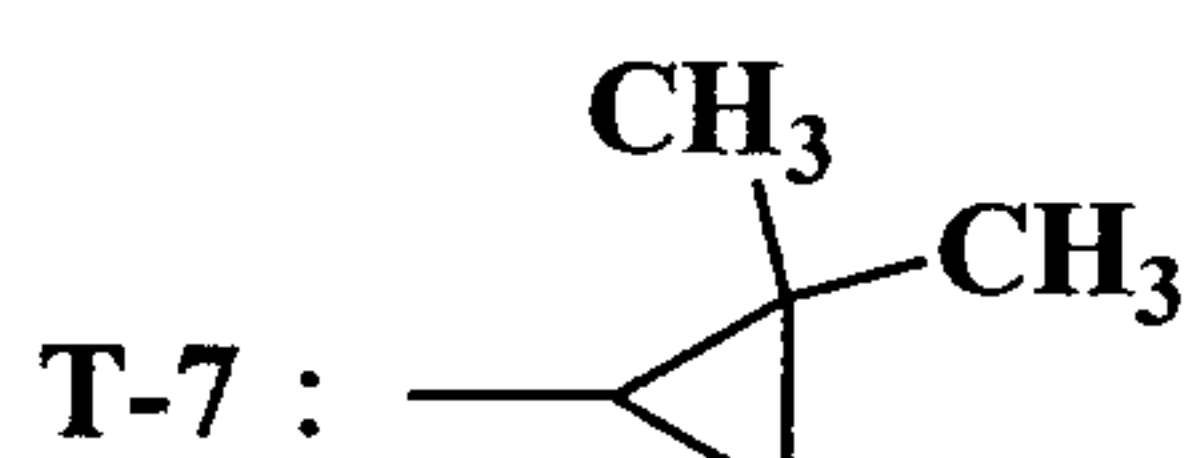
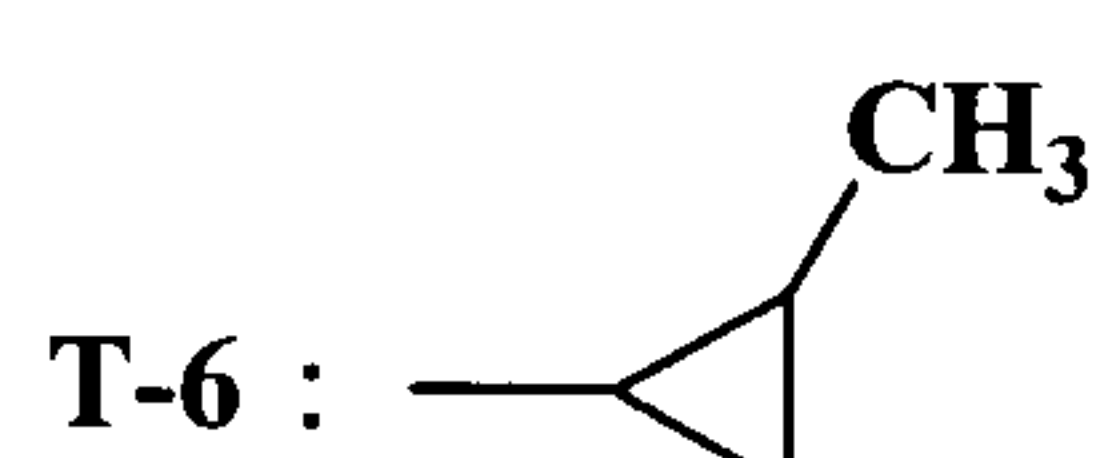
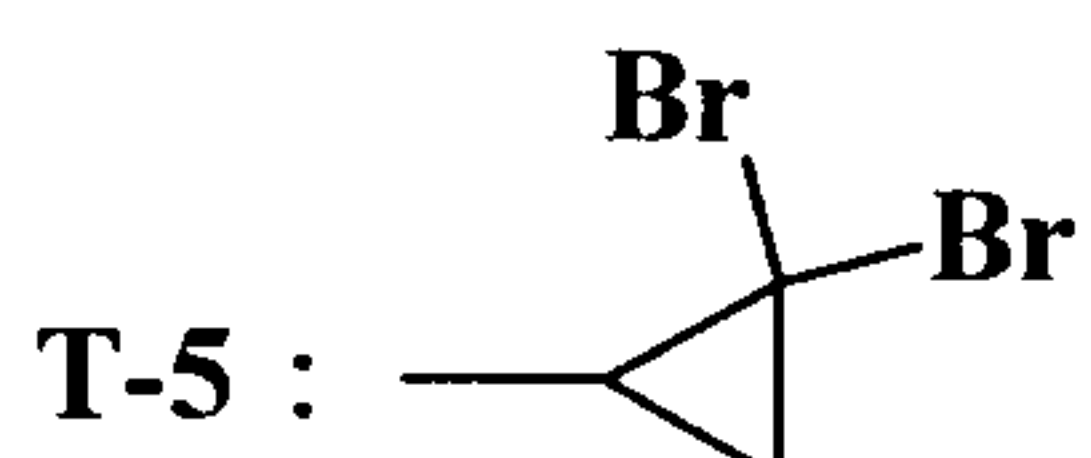
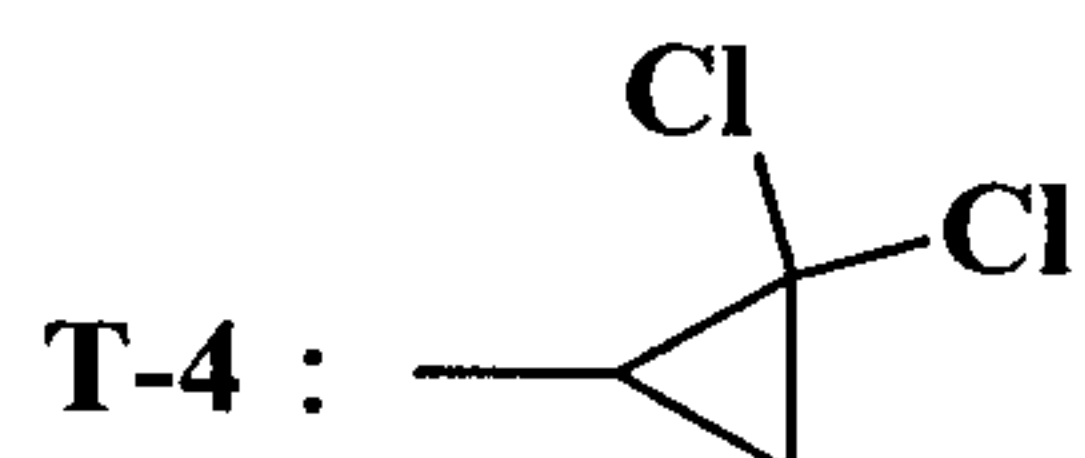
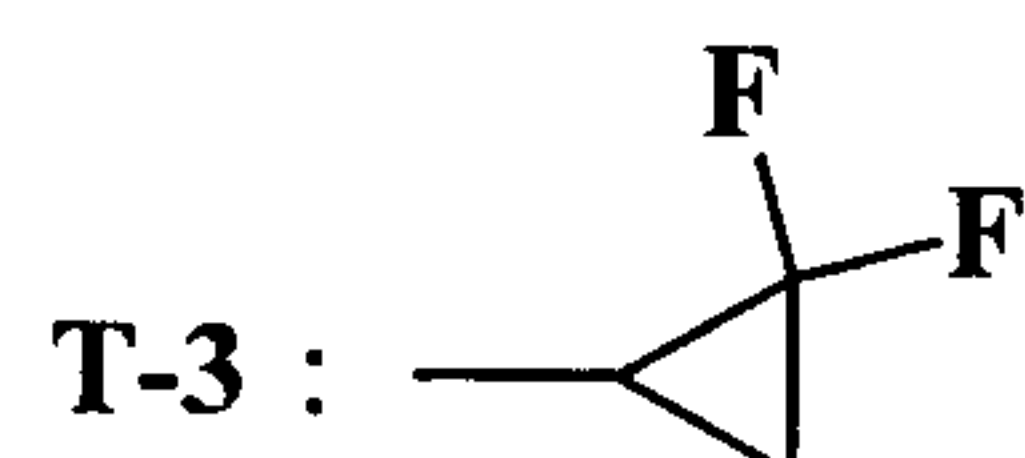
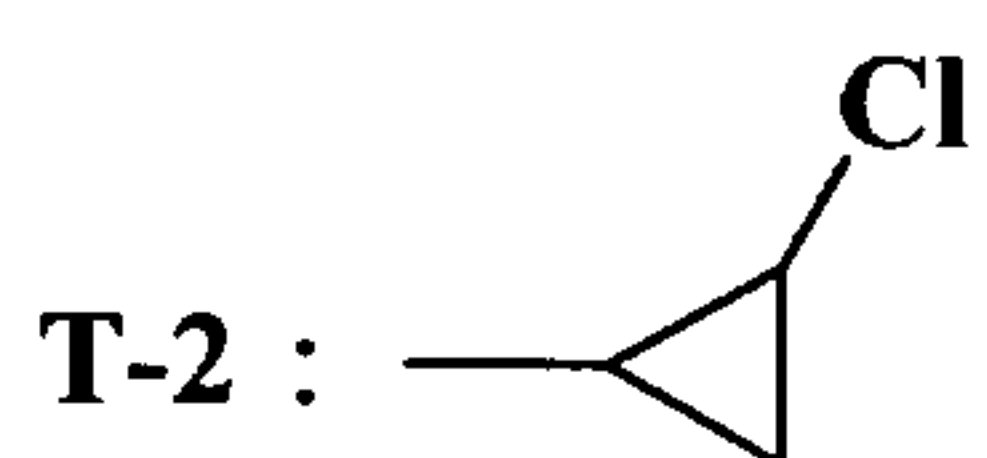
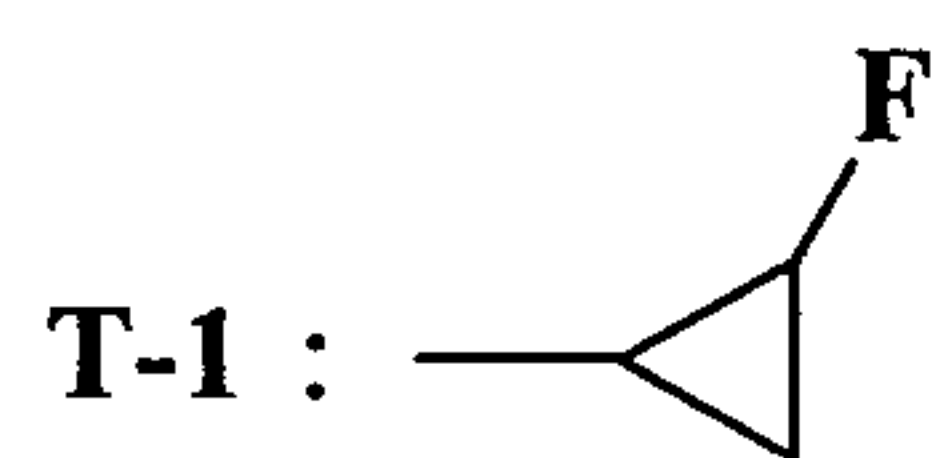


For example, the indication “[CH₂(E-10b)CH₃]” means 2-methyl-1,3-dioxolan-2-yl methyl, the indication “[CH₂(E-8a)CH₃]” means N-methylpyrrolidin-2-yl methyl. Further, in Tables, partially saturated heterocyclic rings of M-2a to M-16a are the following structures, respectively



For example, the indication “[CH₂(M-5a)CH₃]” means 3-methyl-4,5-dihydroisoxazol-5-yl methyl.

Further, in Tables, T-1 to T-38 are the following structures, respectively



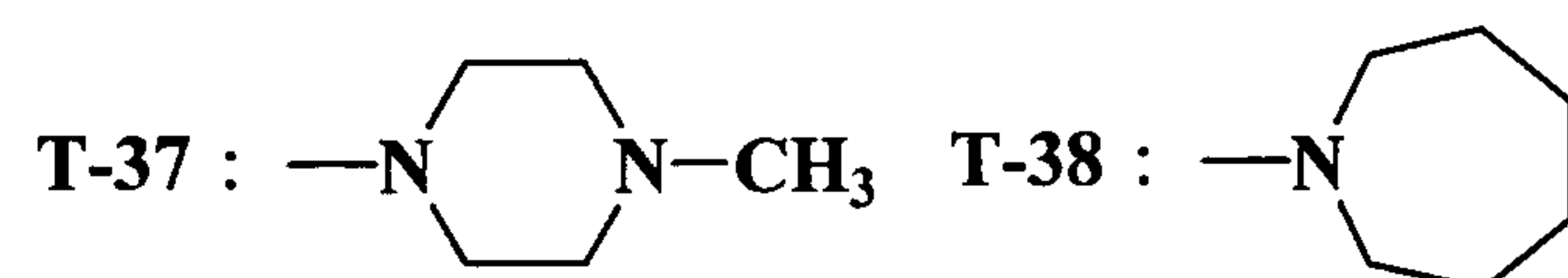
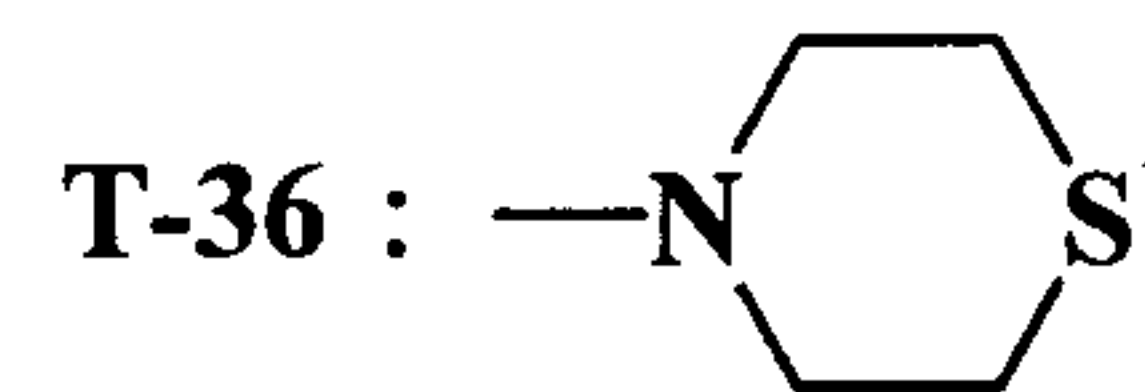
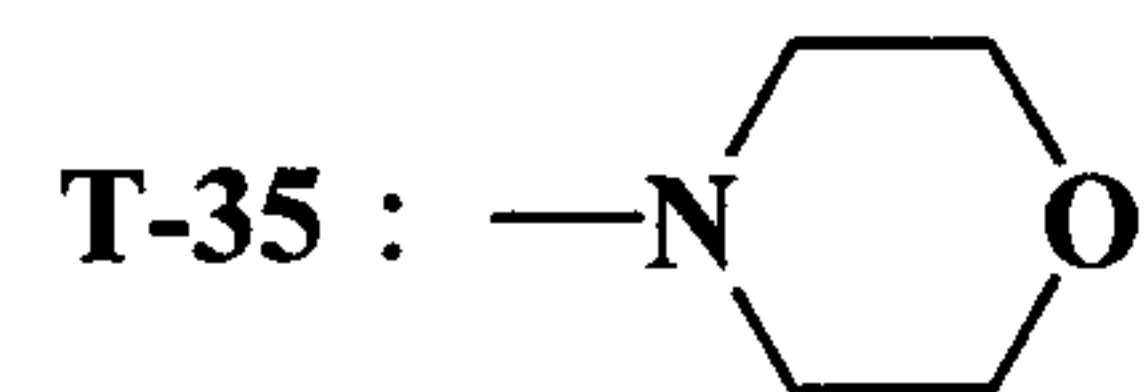
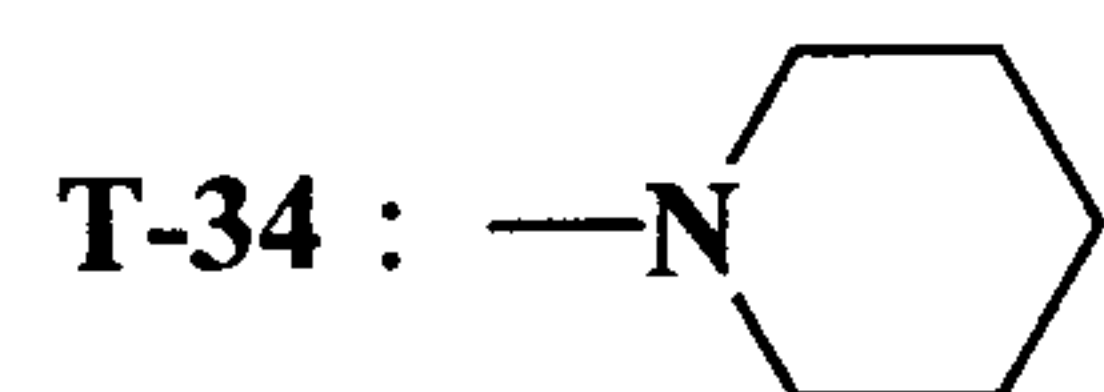
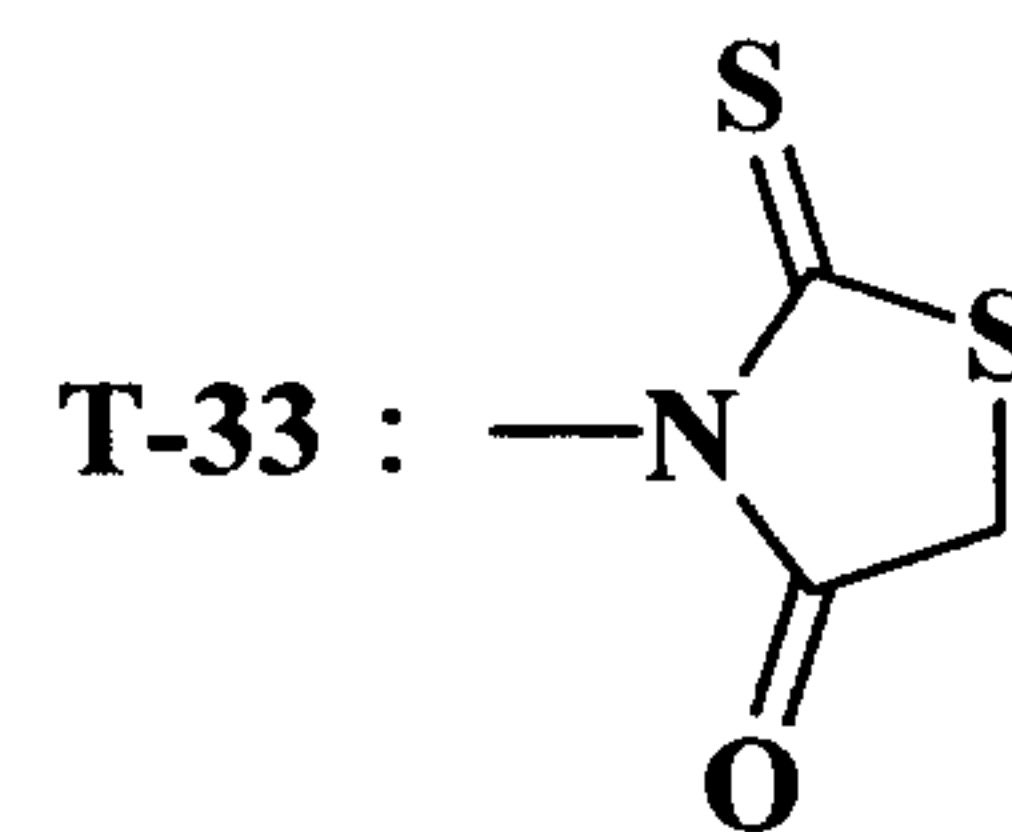
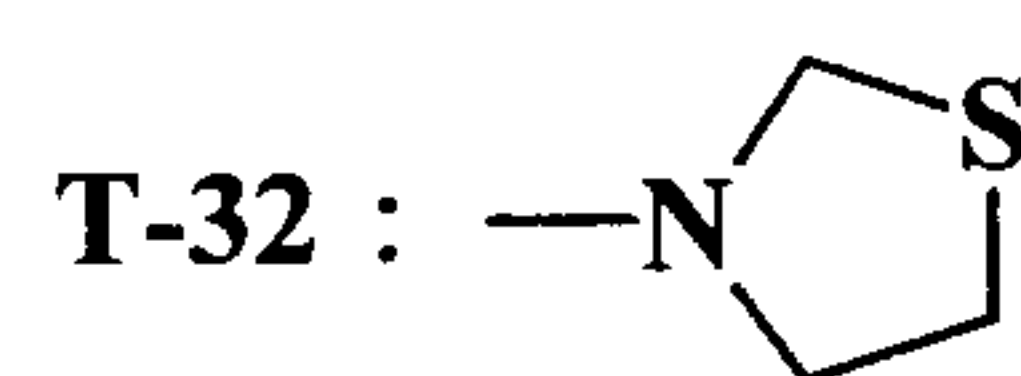
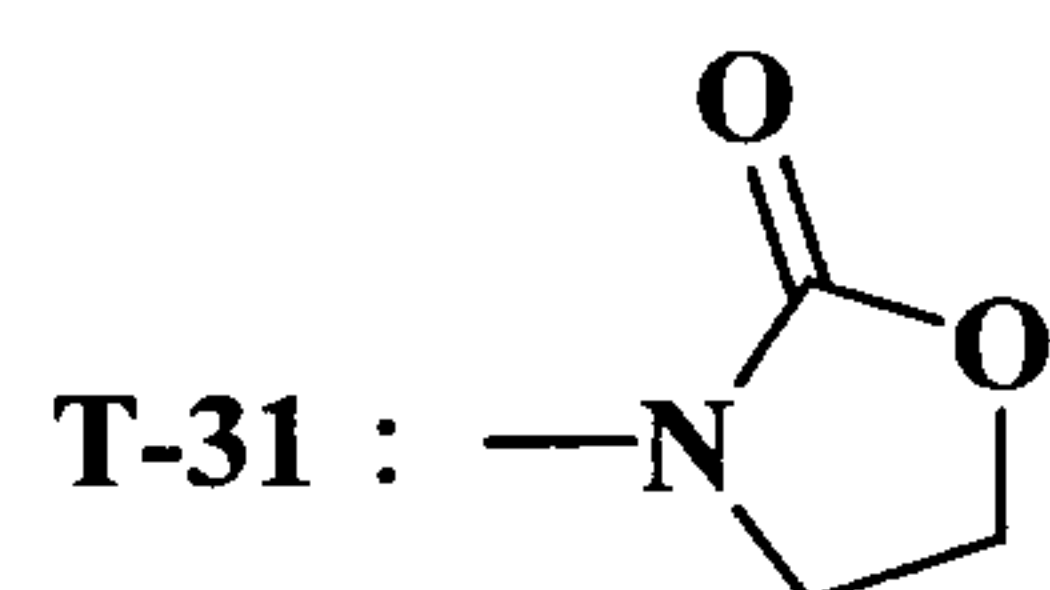
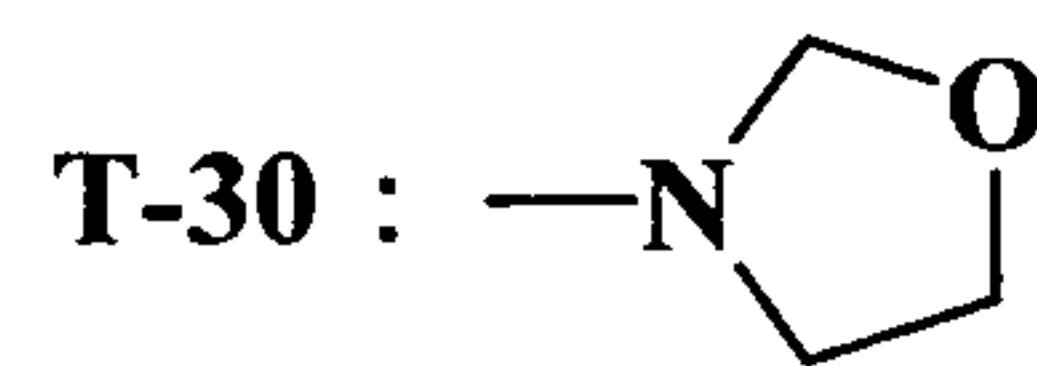
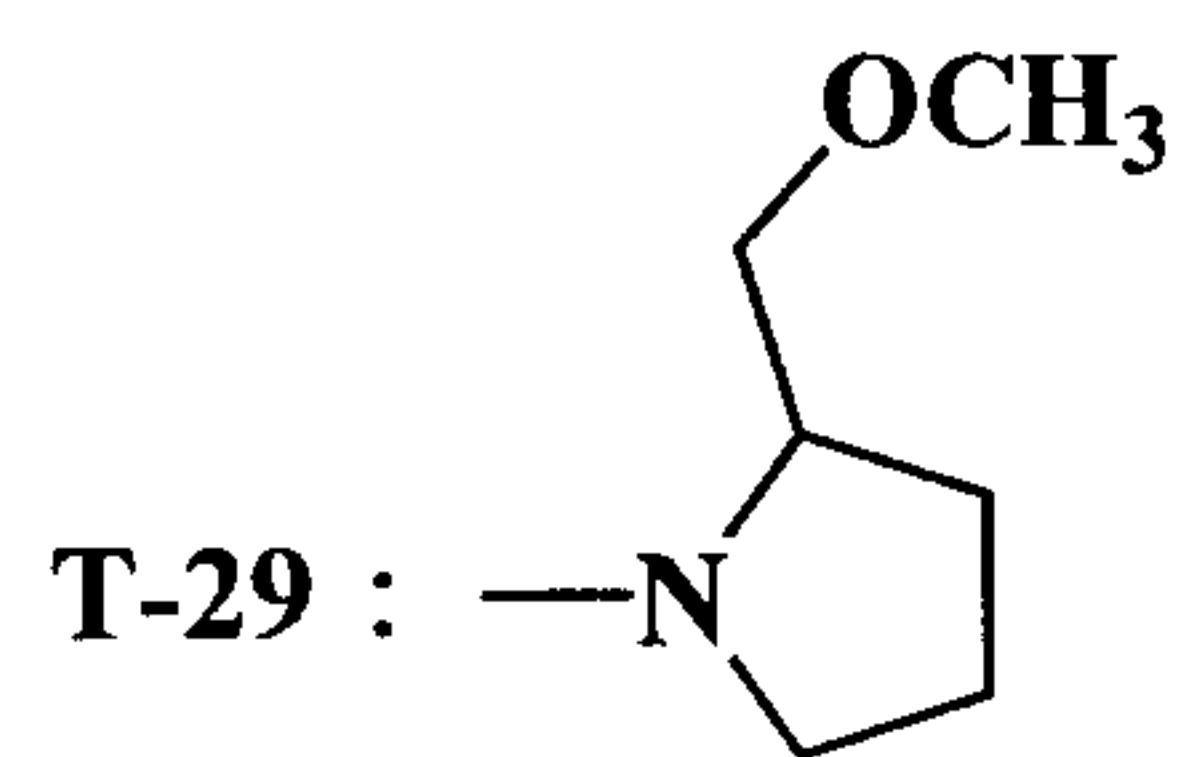
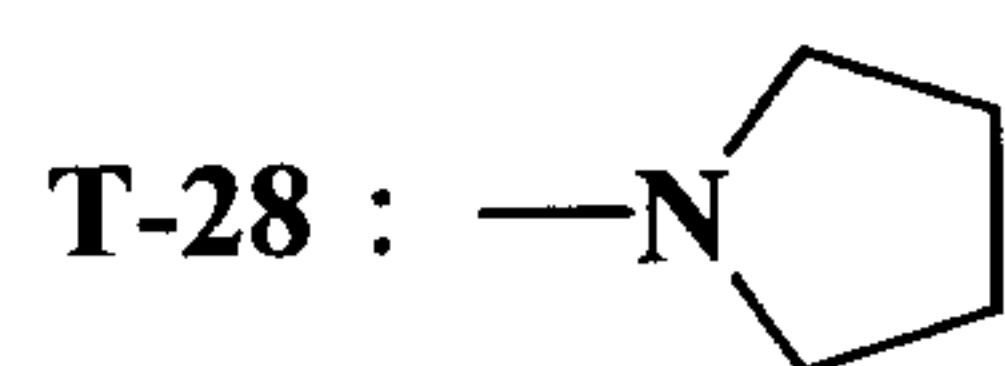
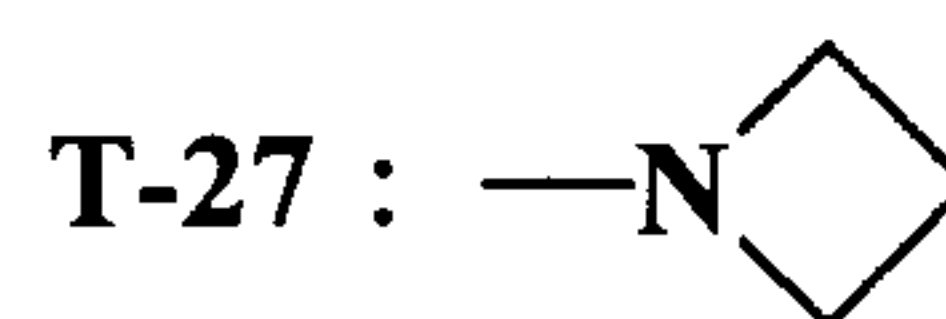
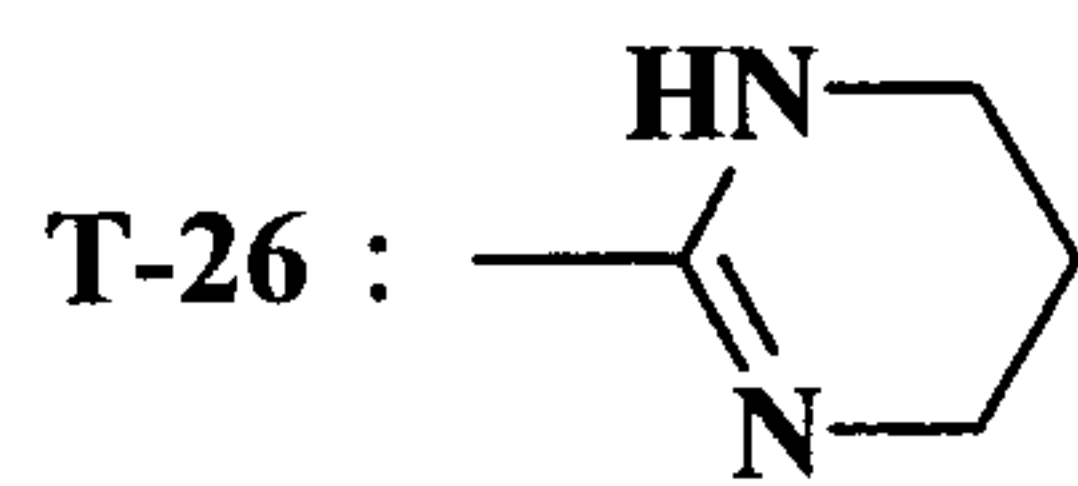
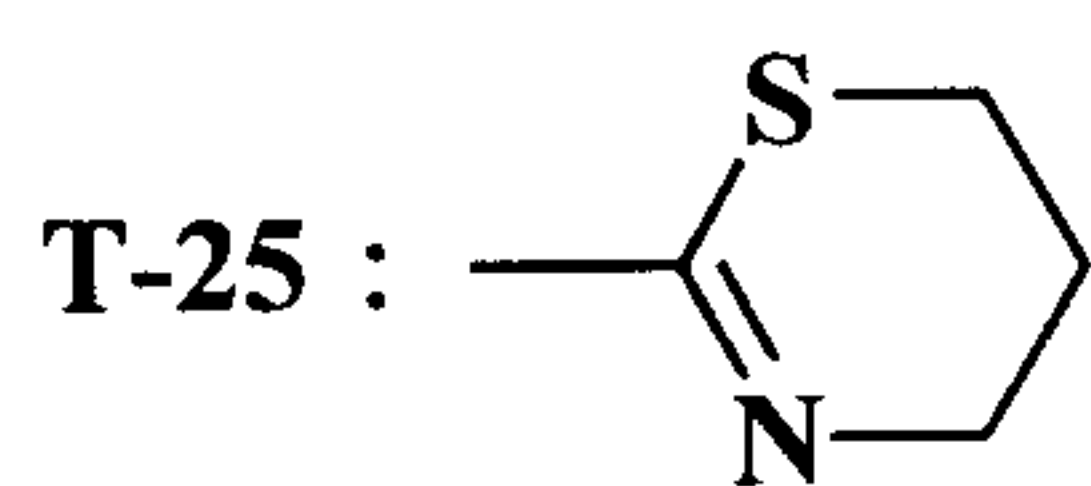
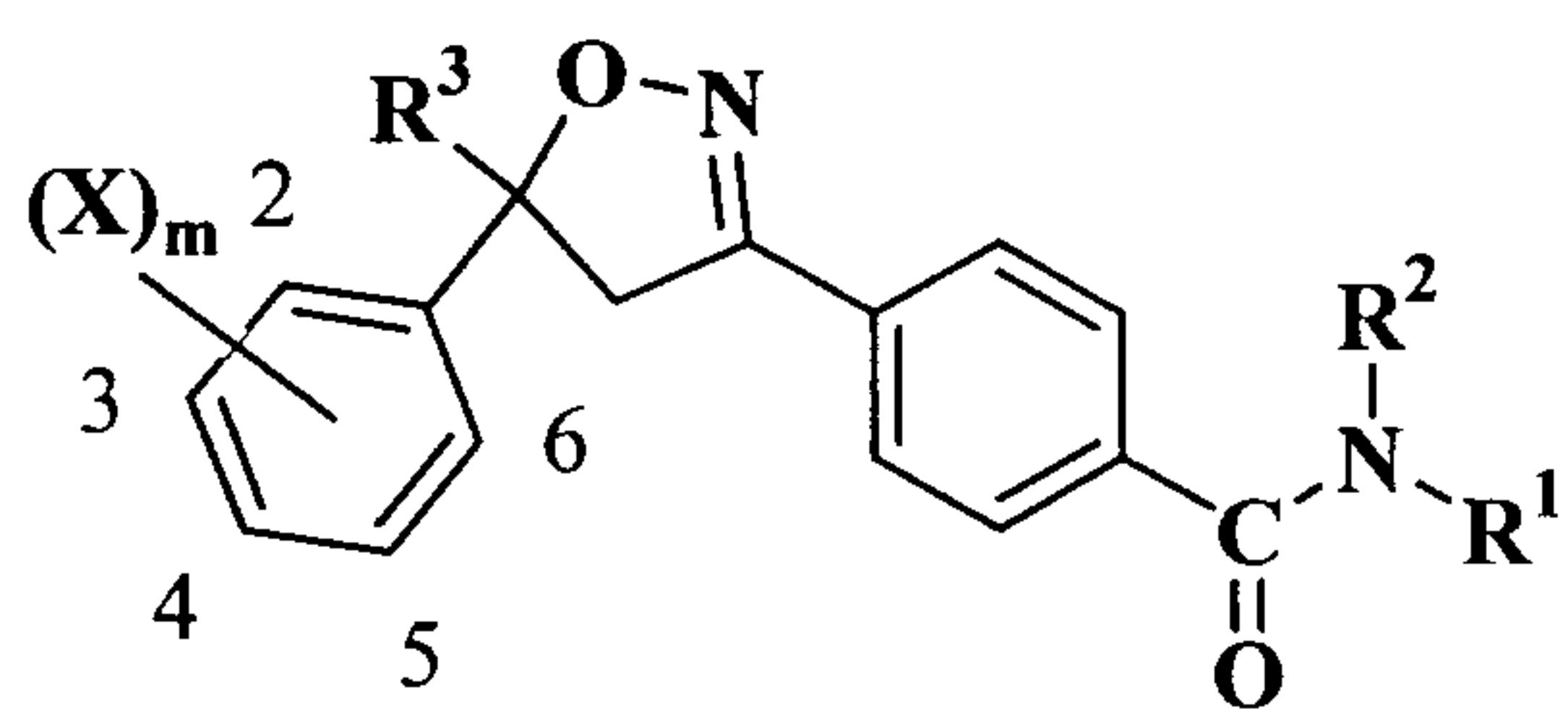


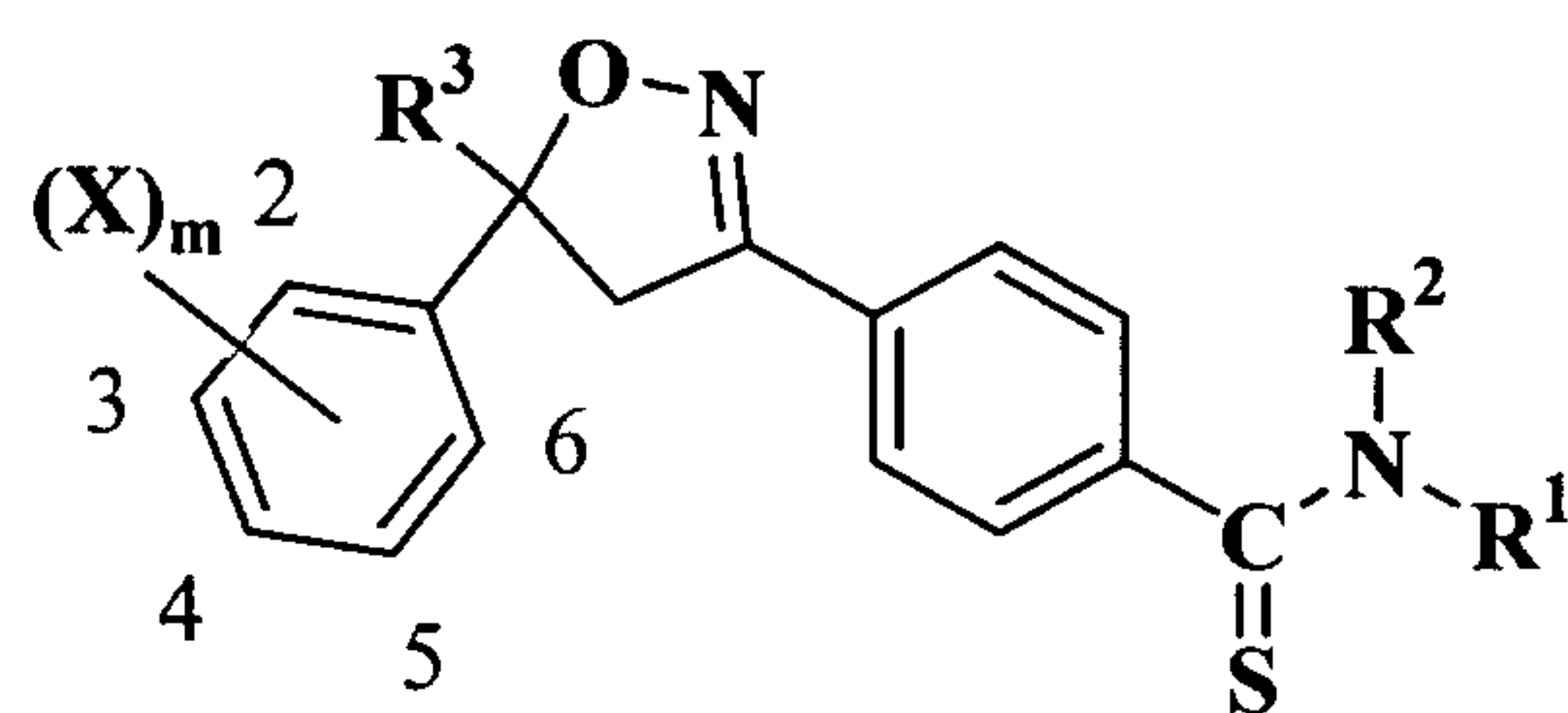
Table 2

In the table, the number showing the substitution position of substituent (X)_m corresponds to the position number indicated in the following structural formulae. The indication “-” means no-substitution.



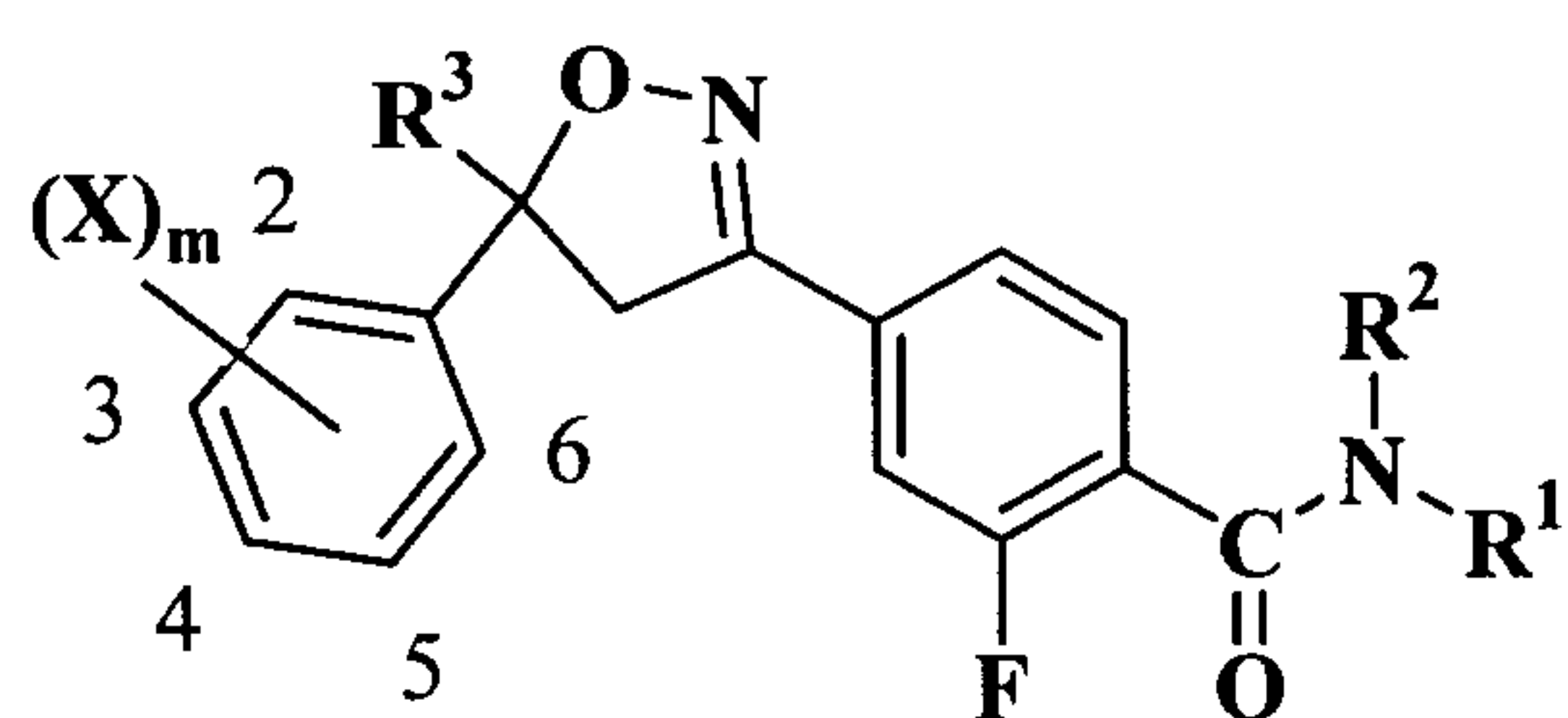
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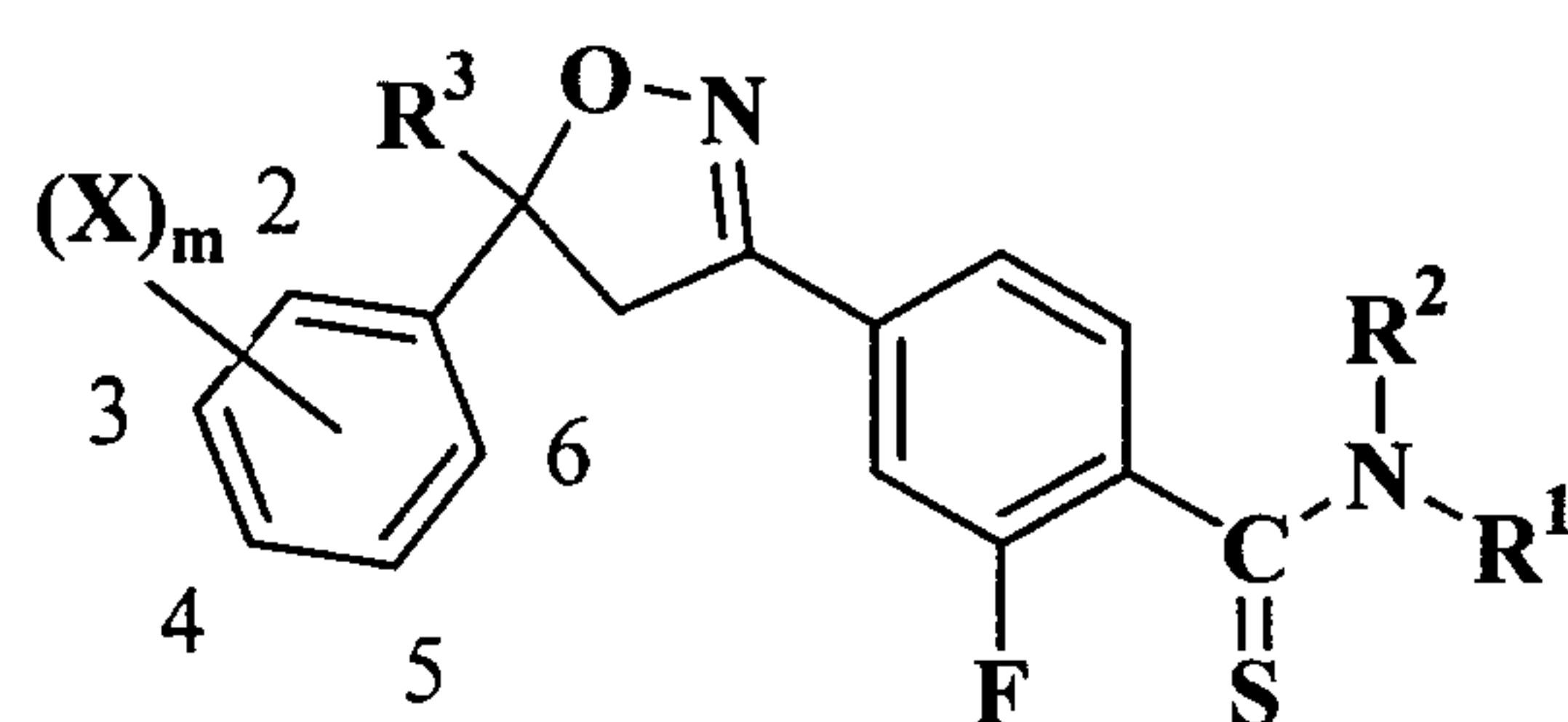
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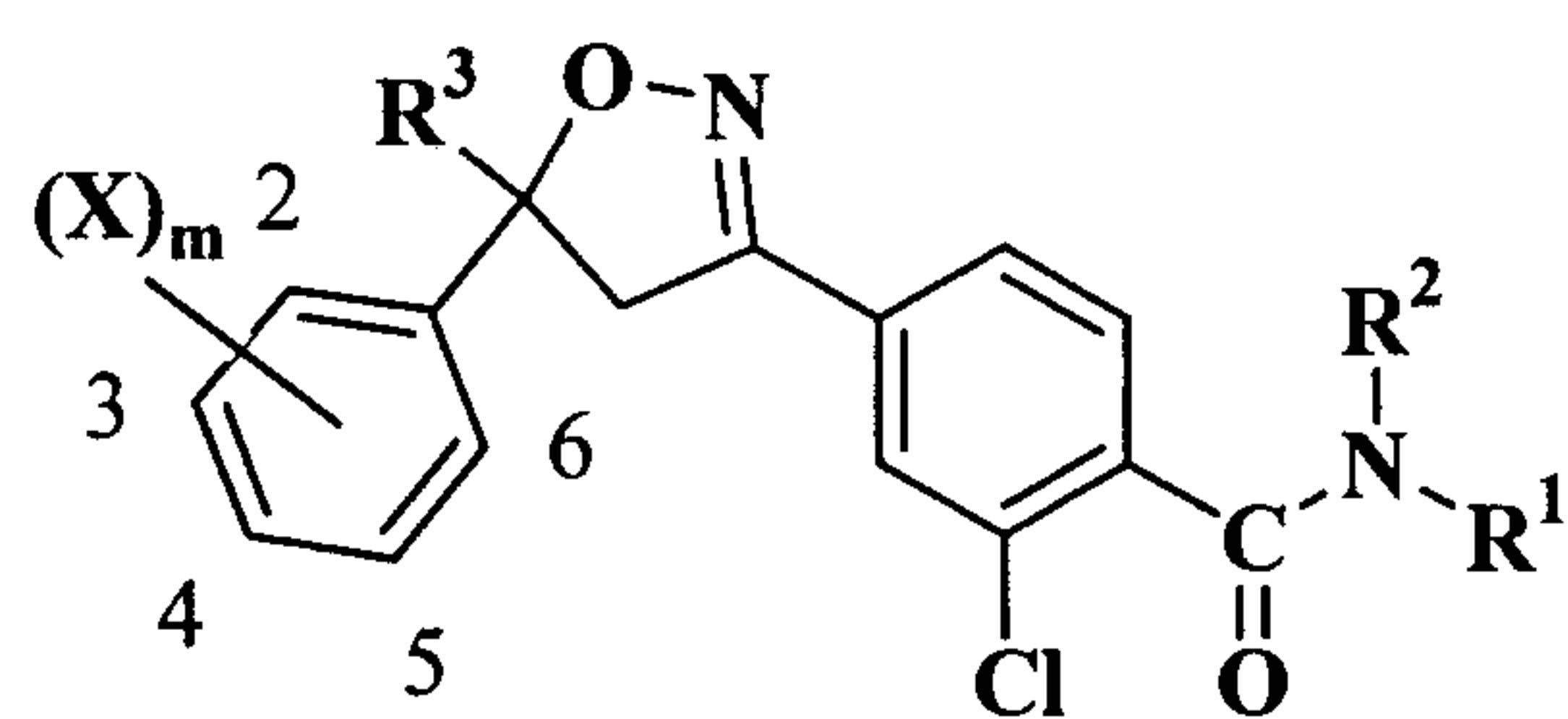
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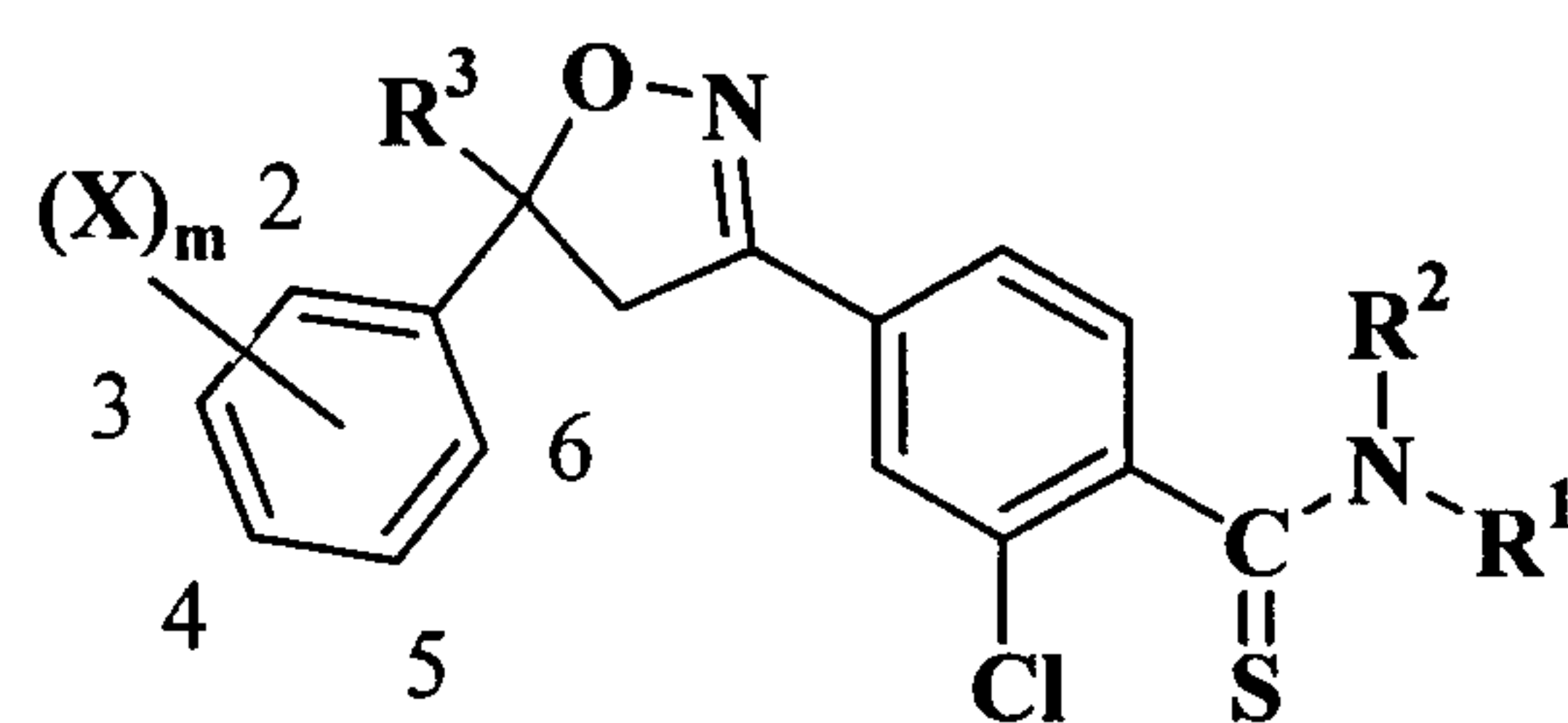
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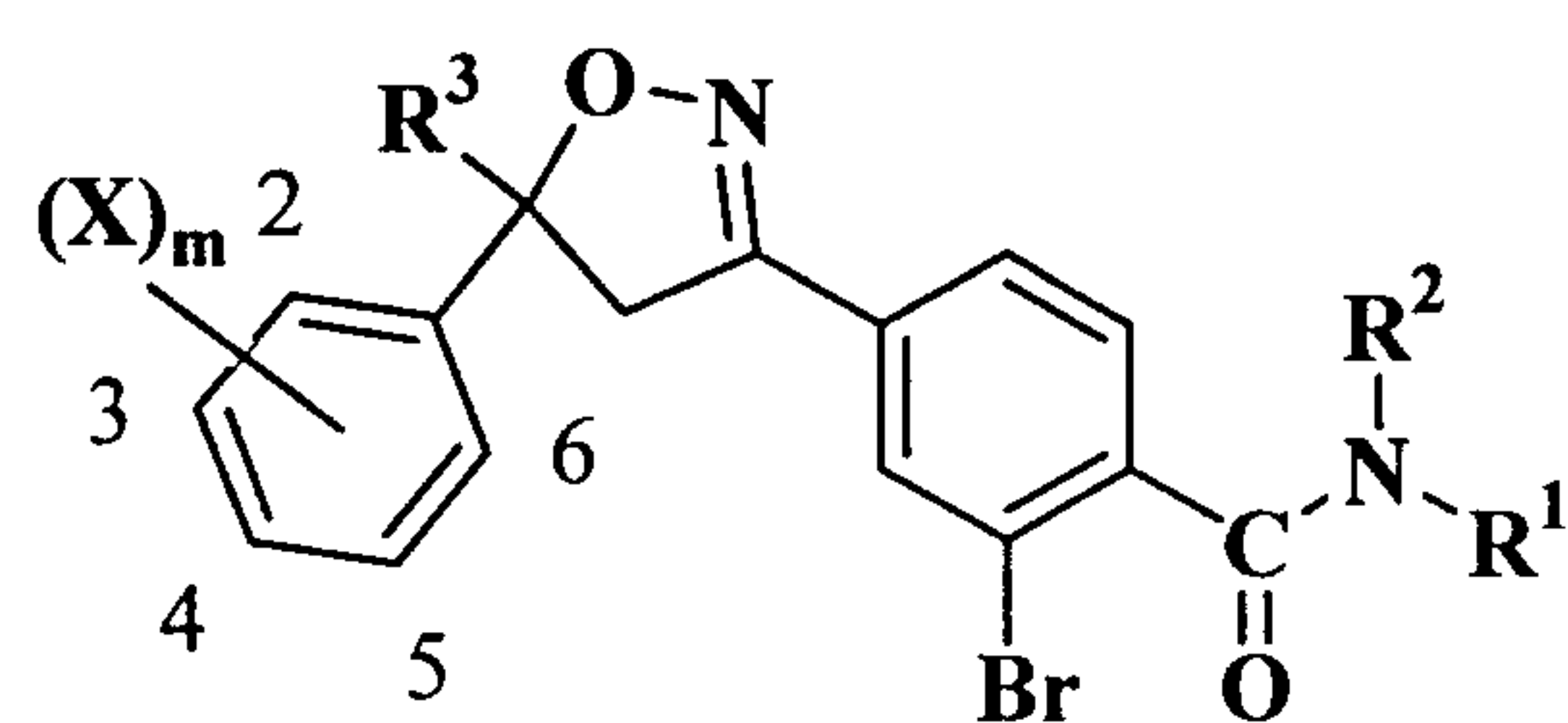
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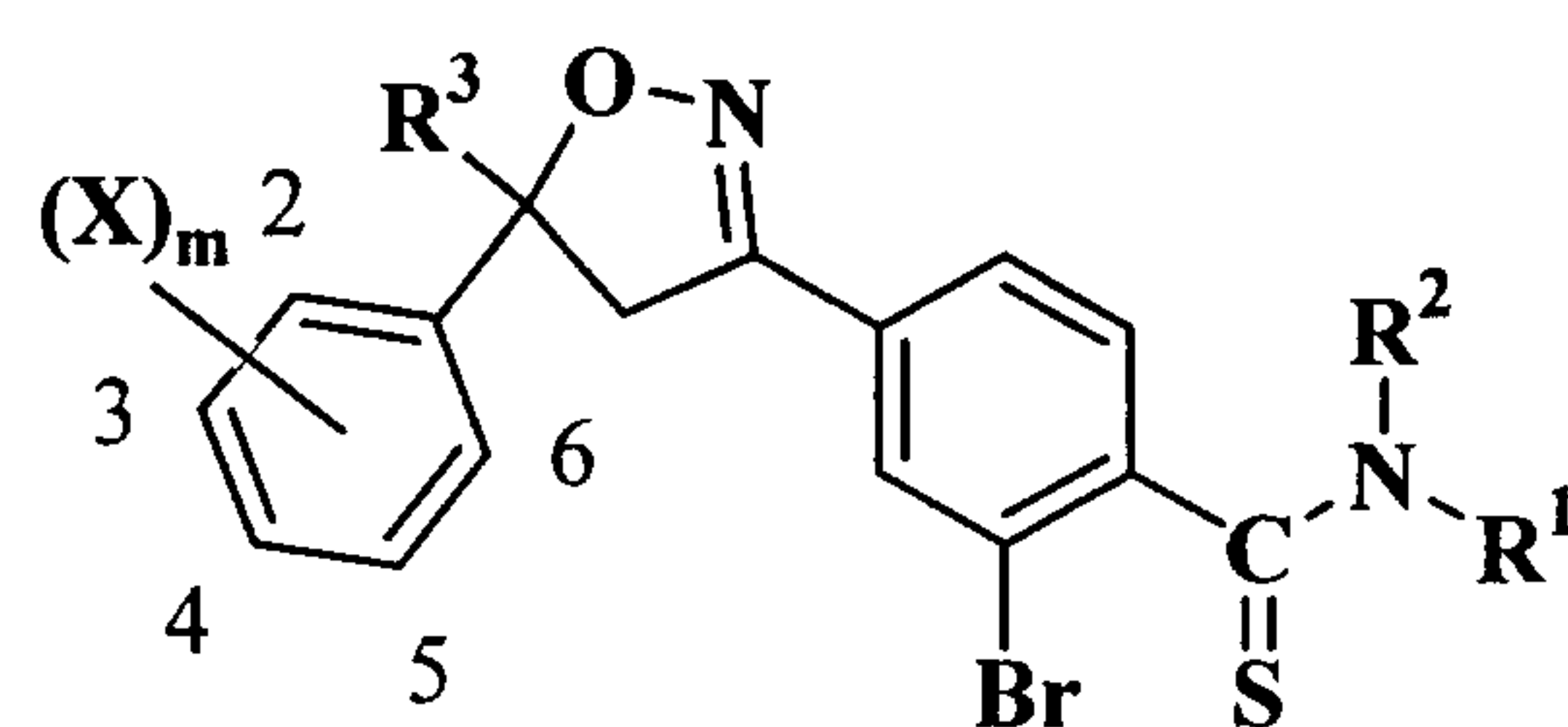
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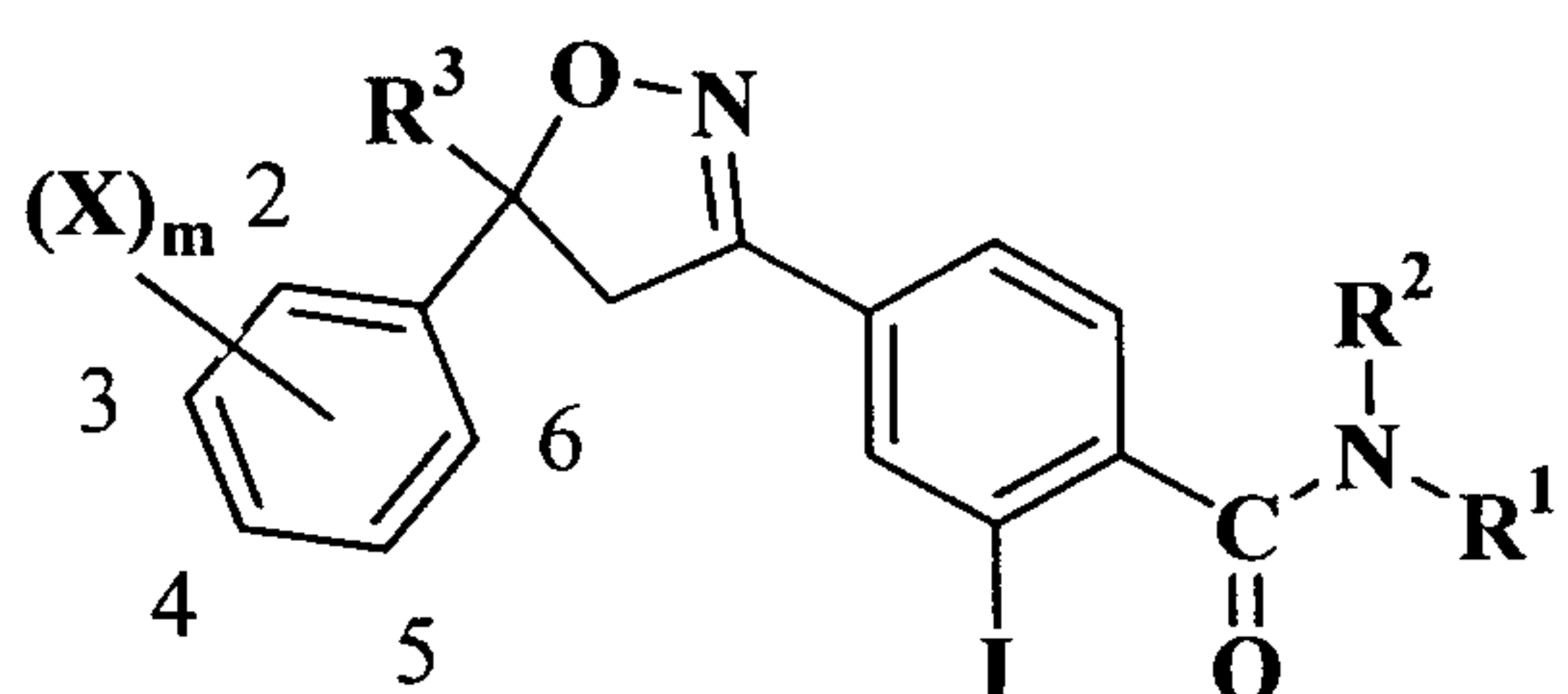
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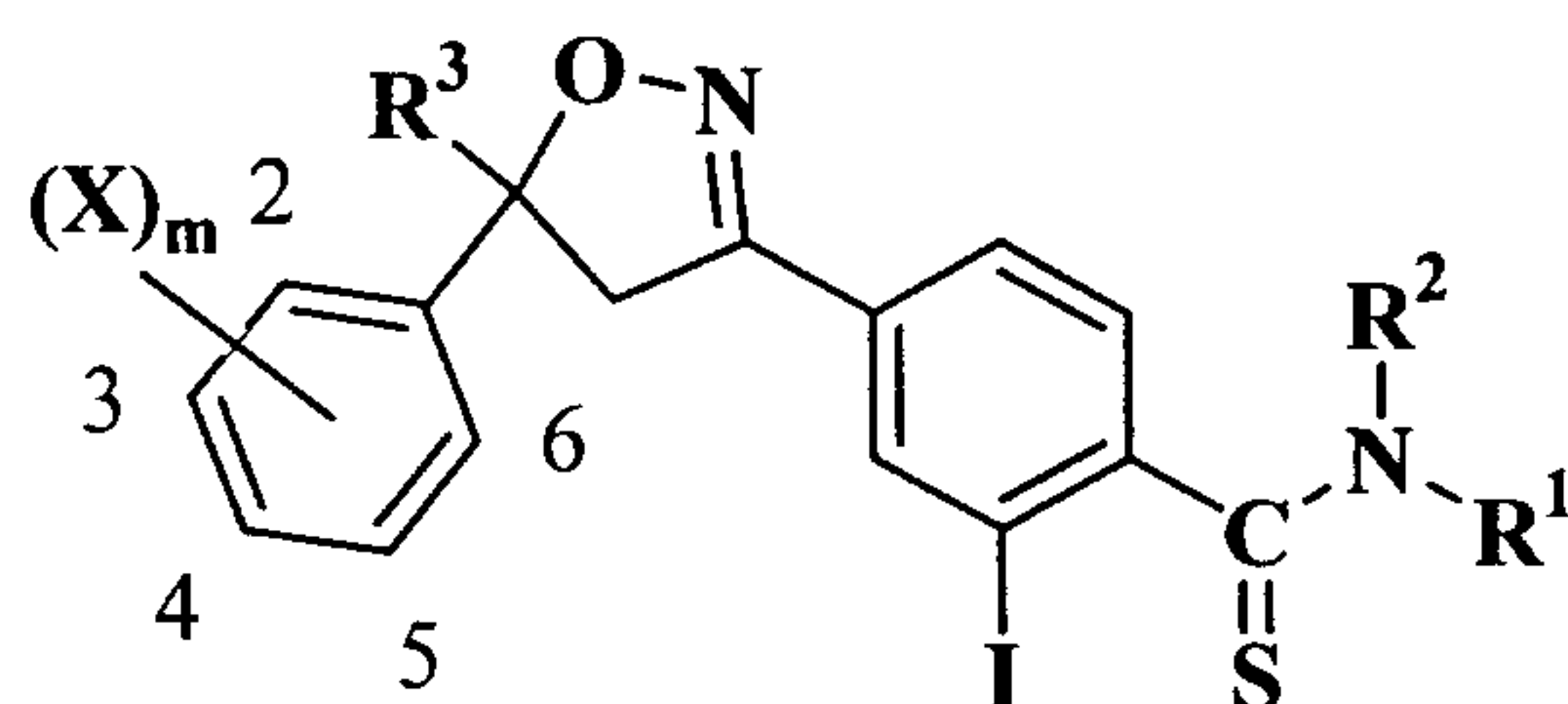
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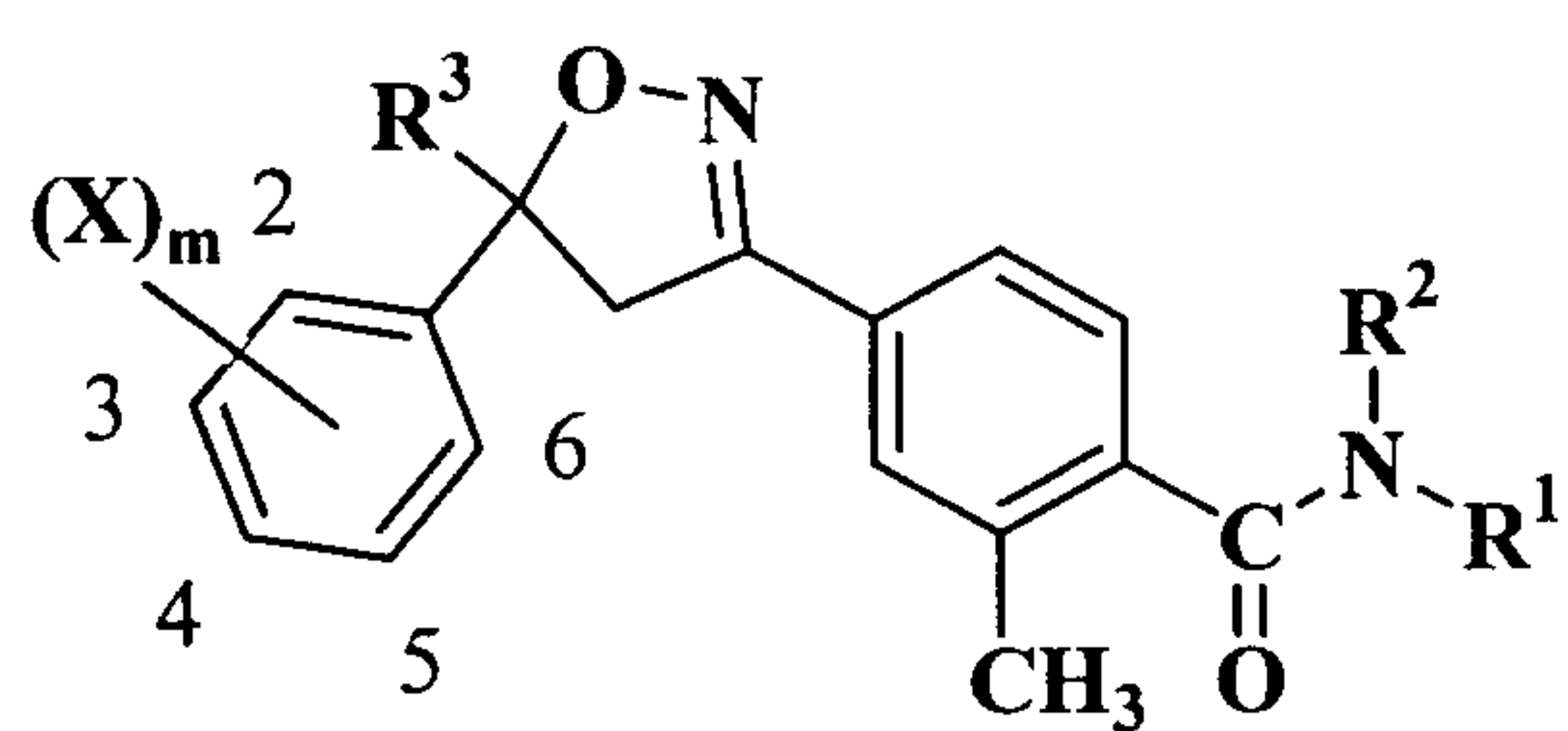
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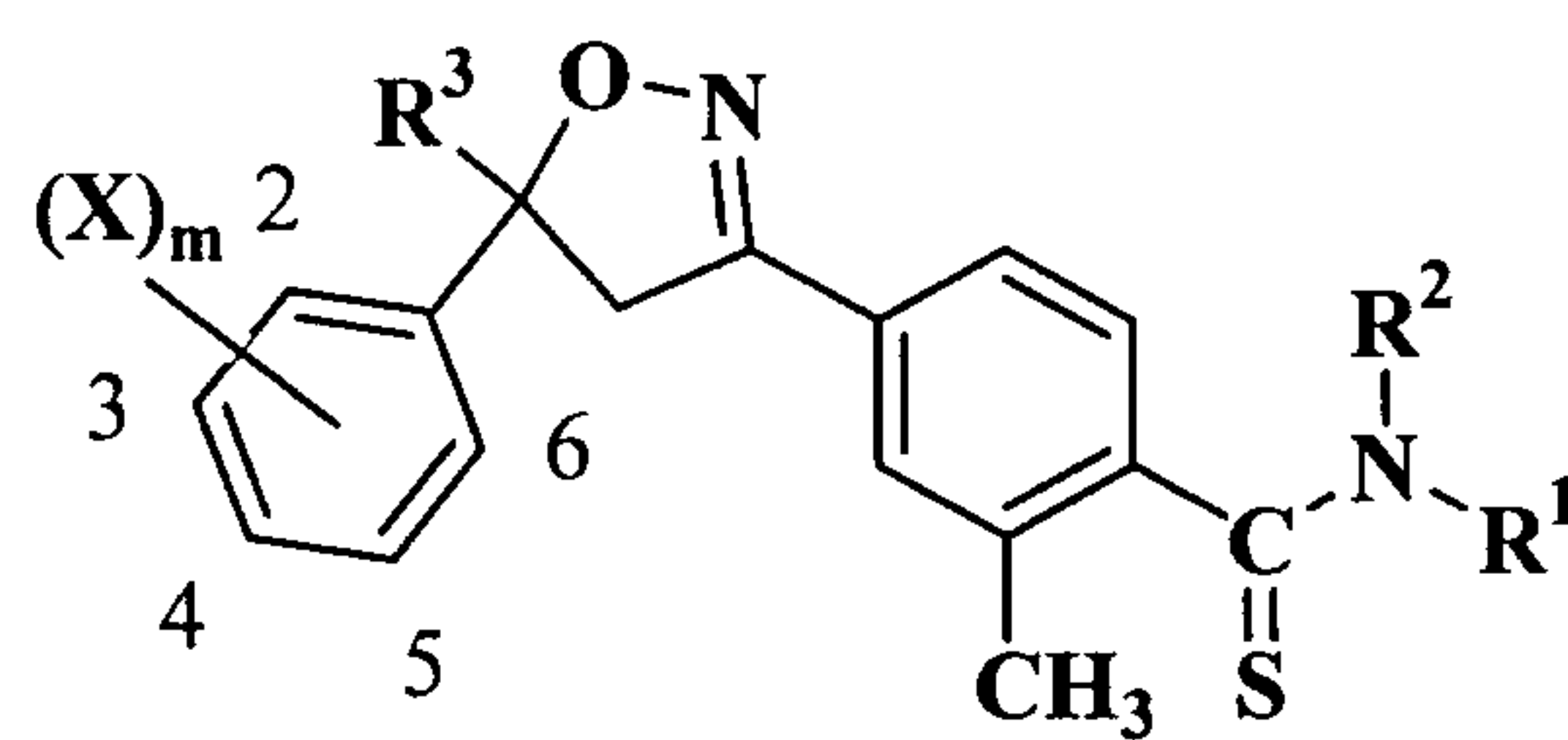
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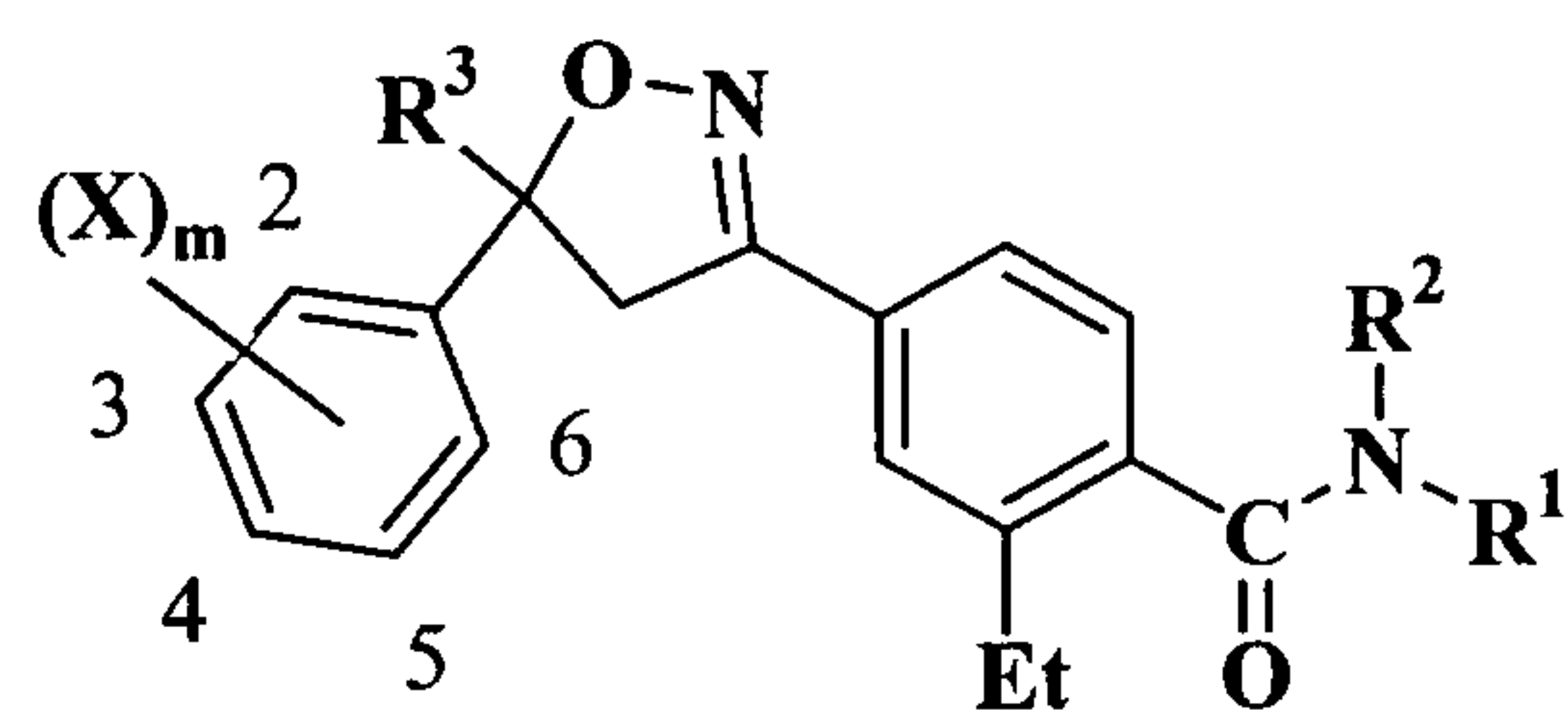
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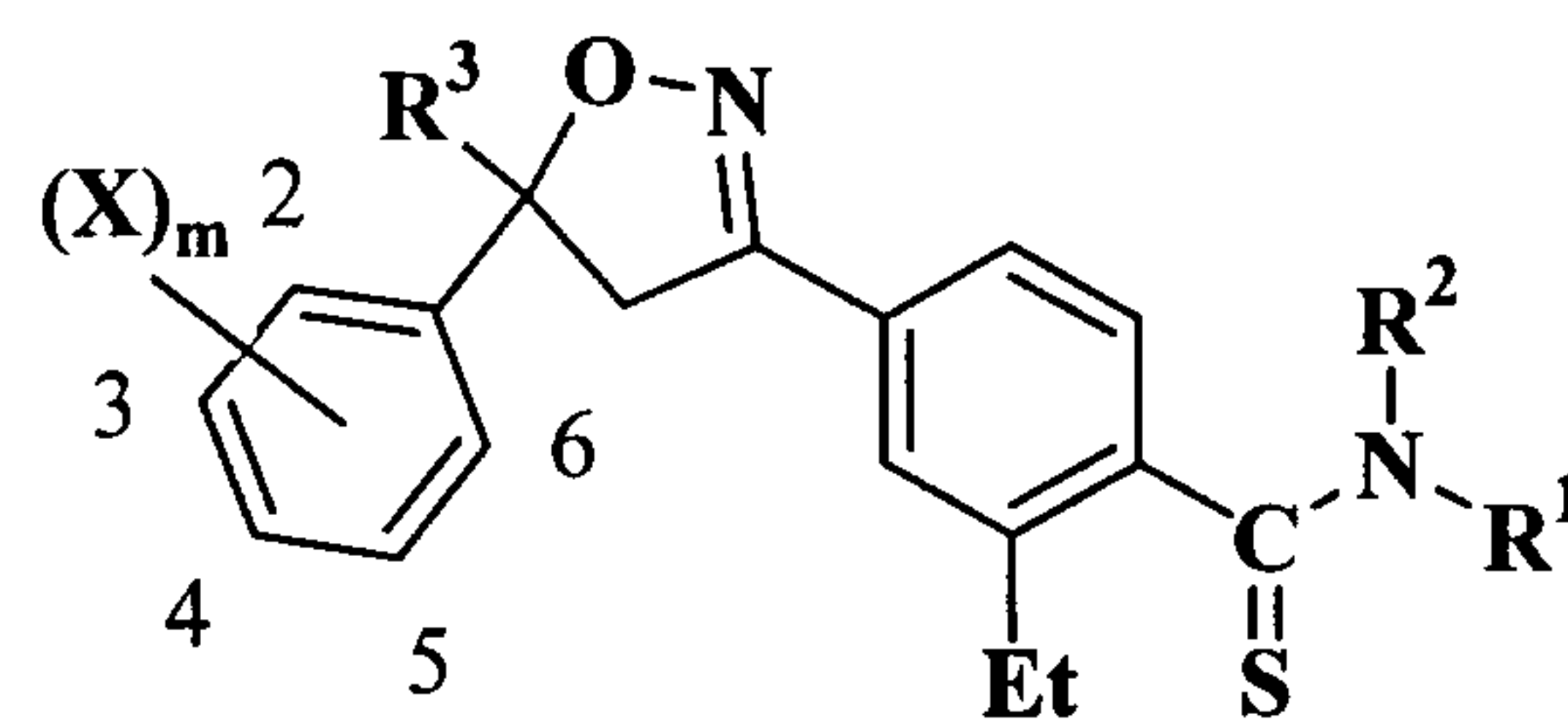
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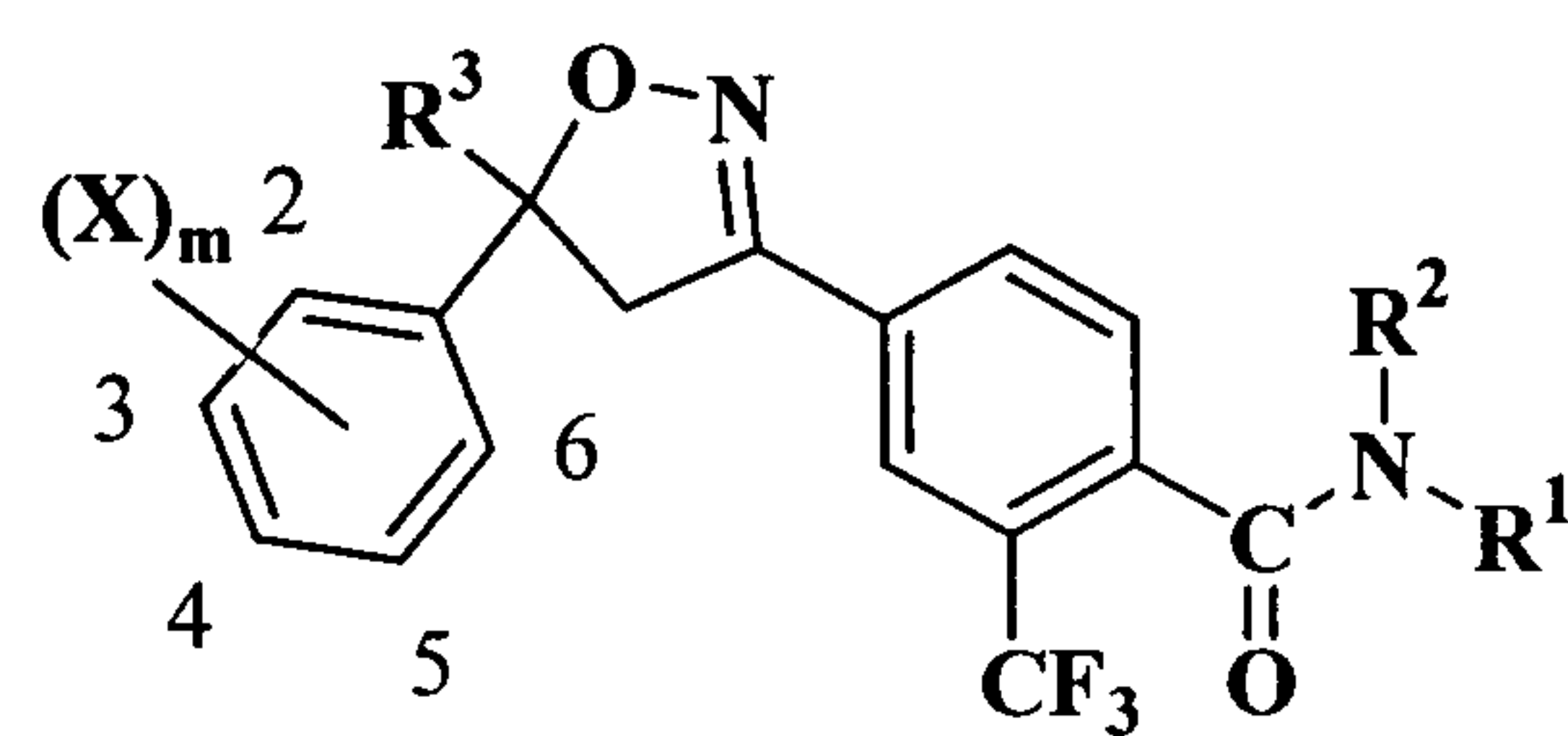
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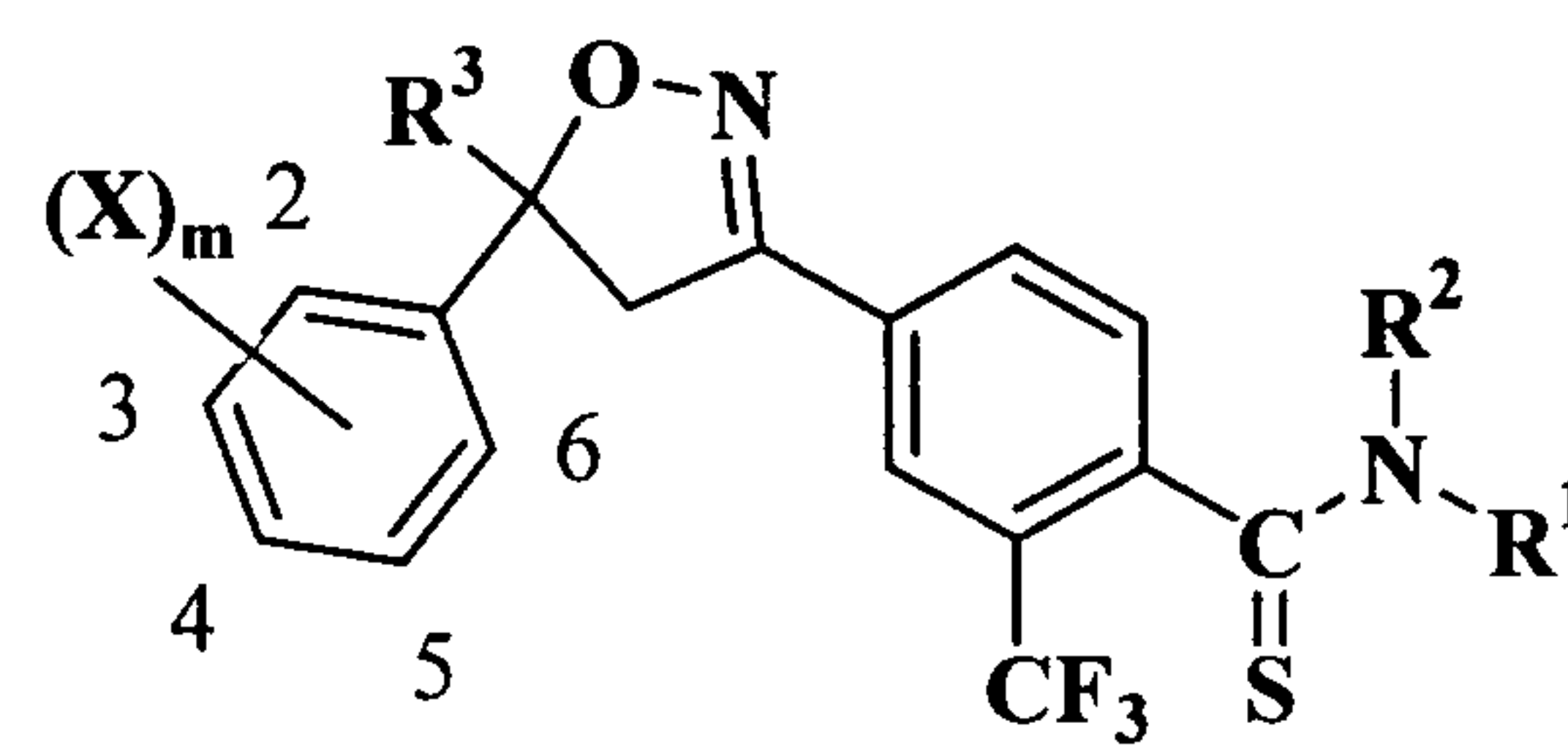
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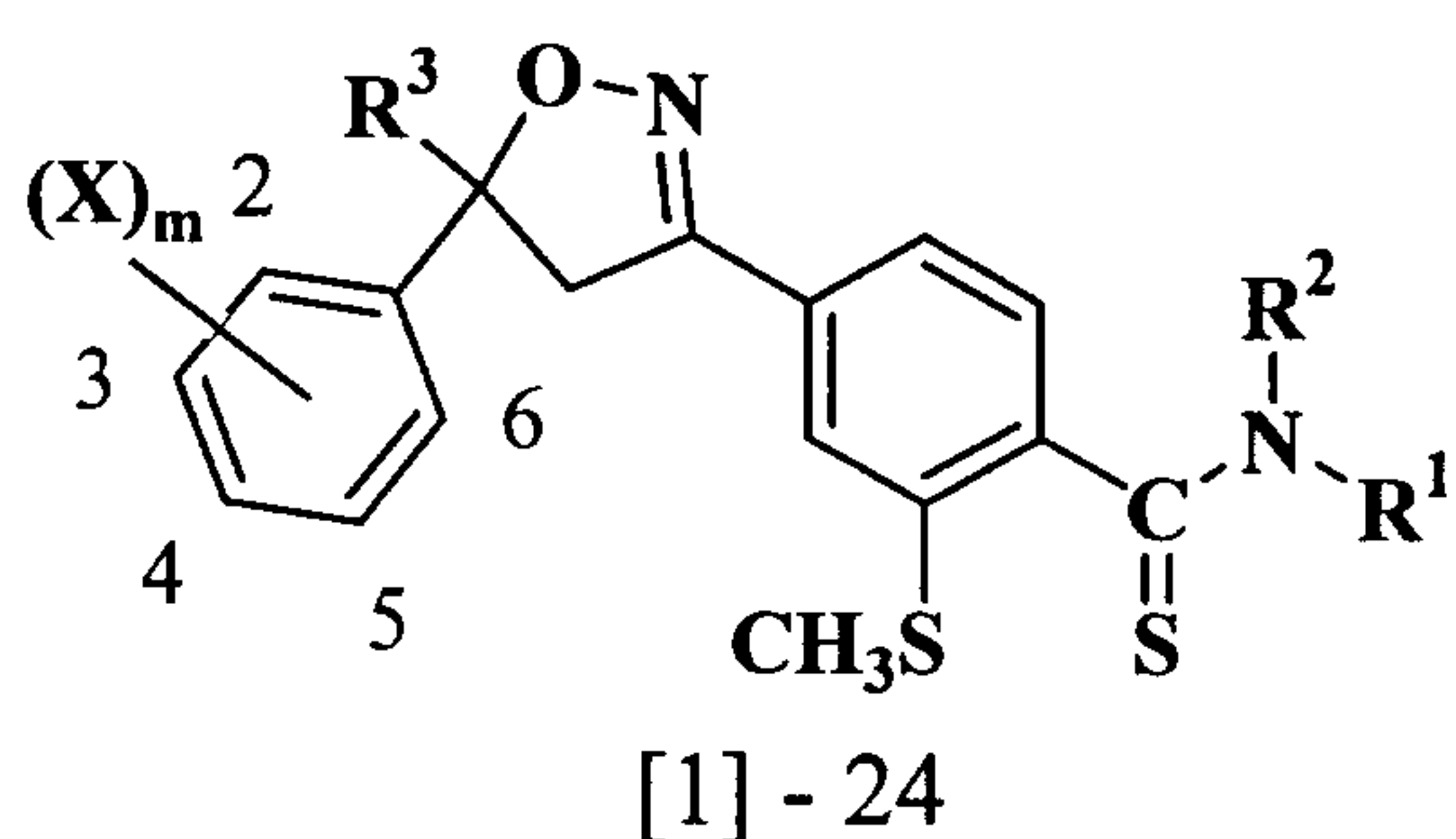
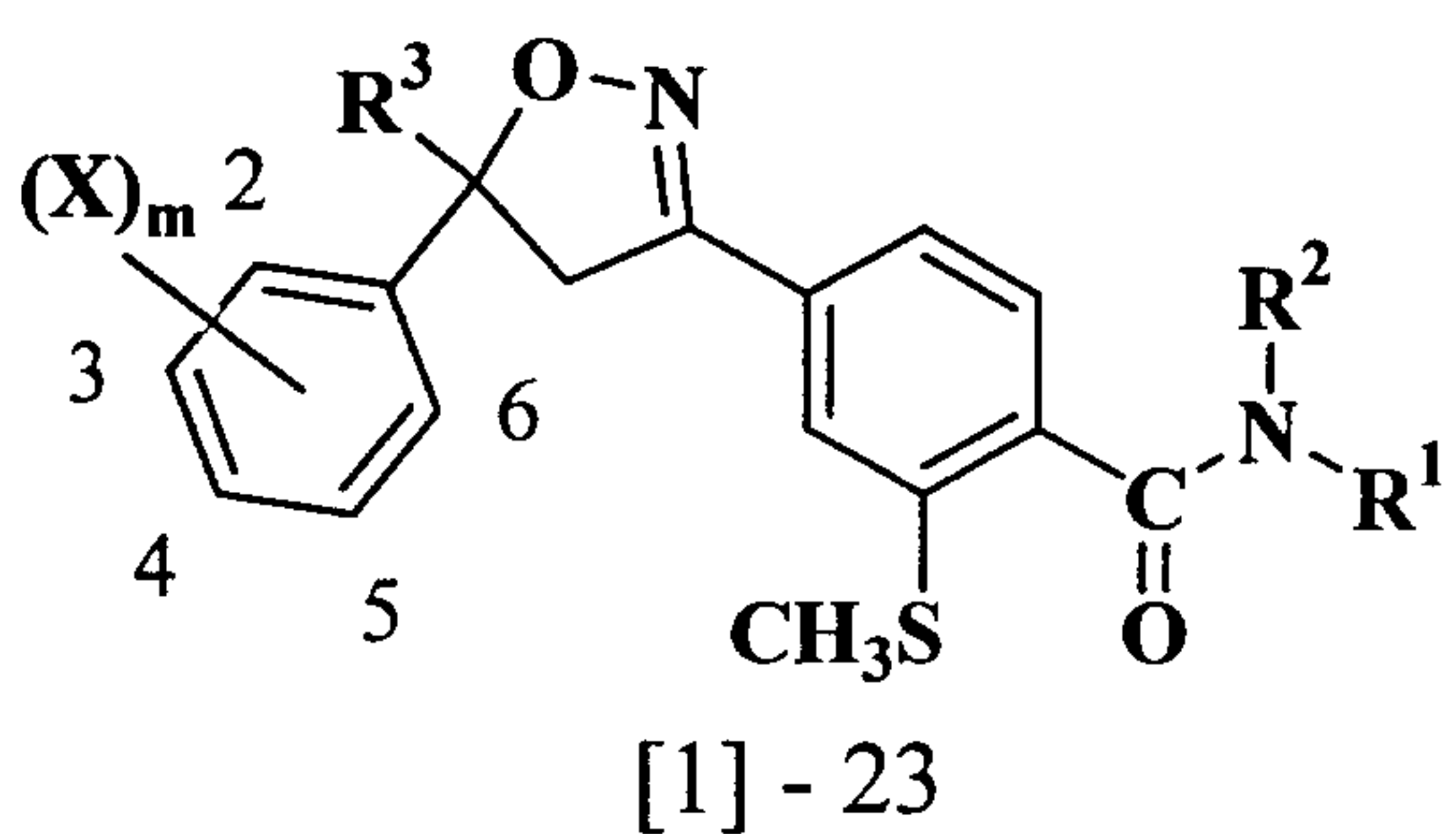
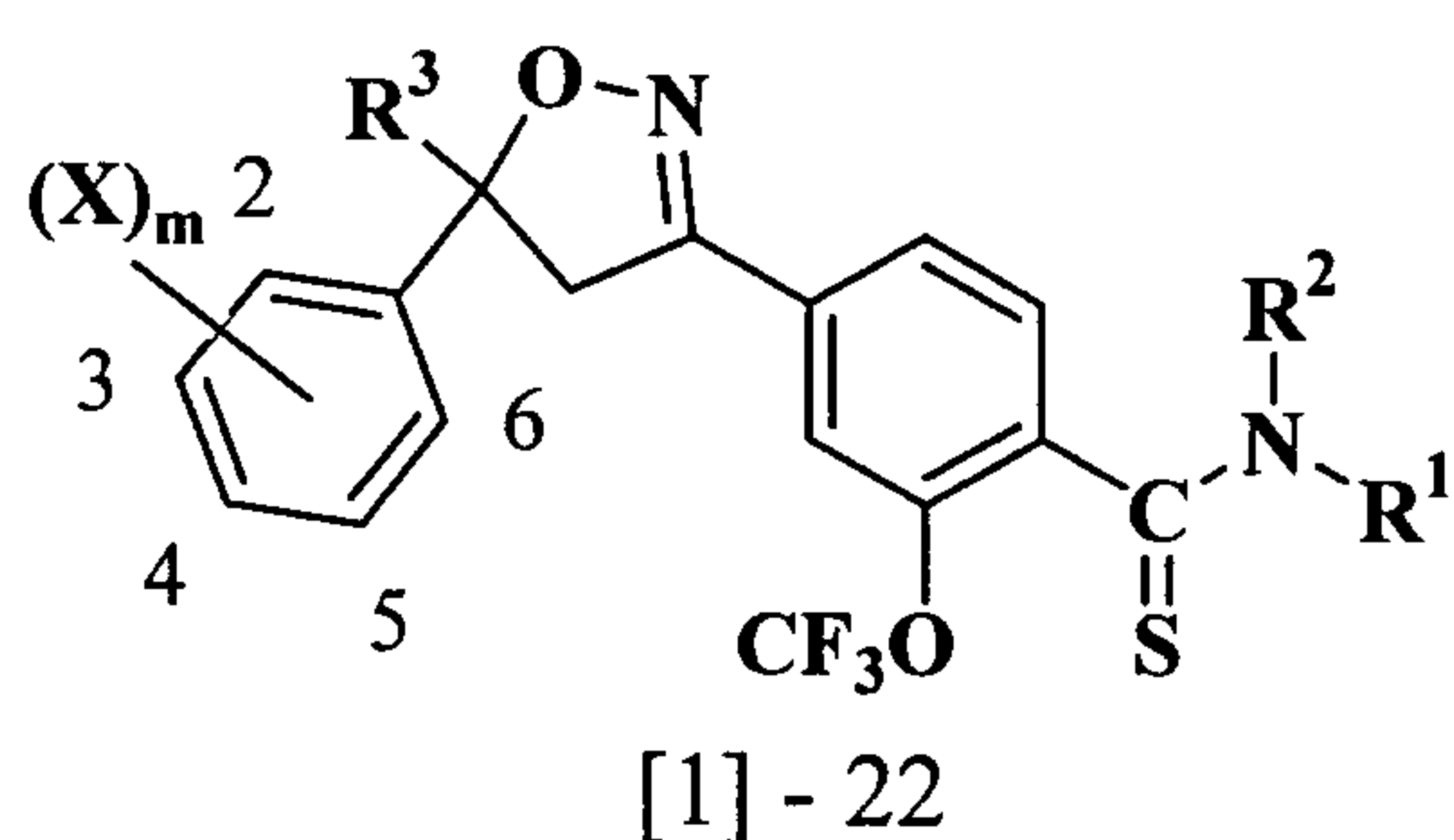
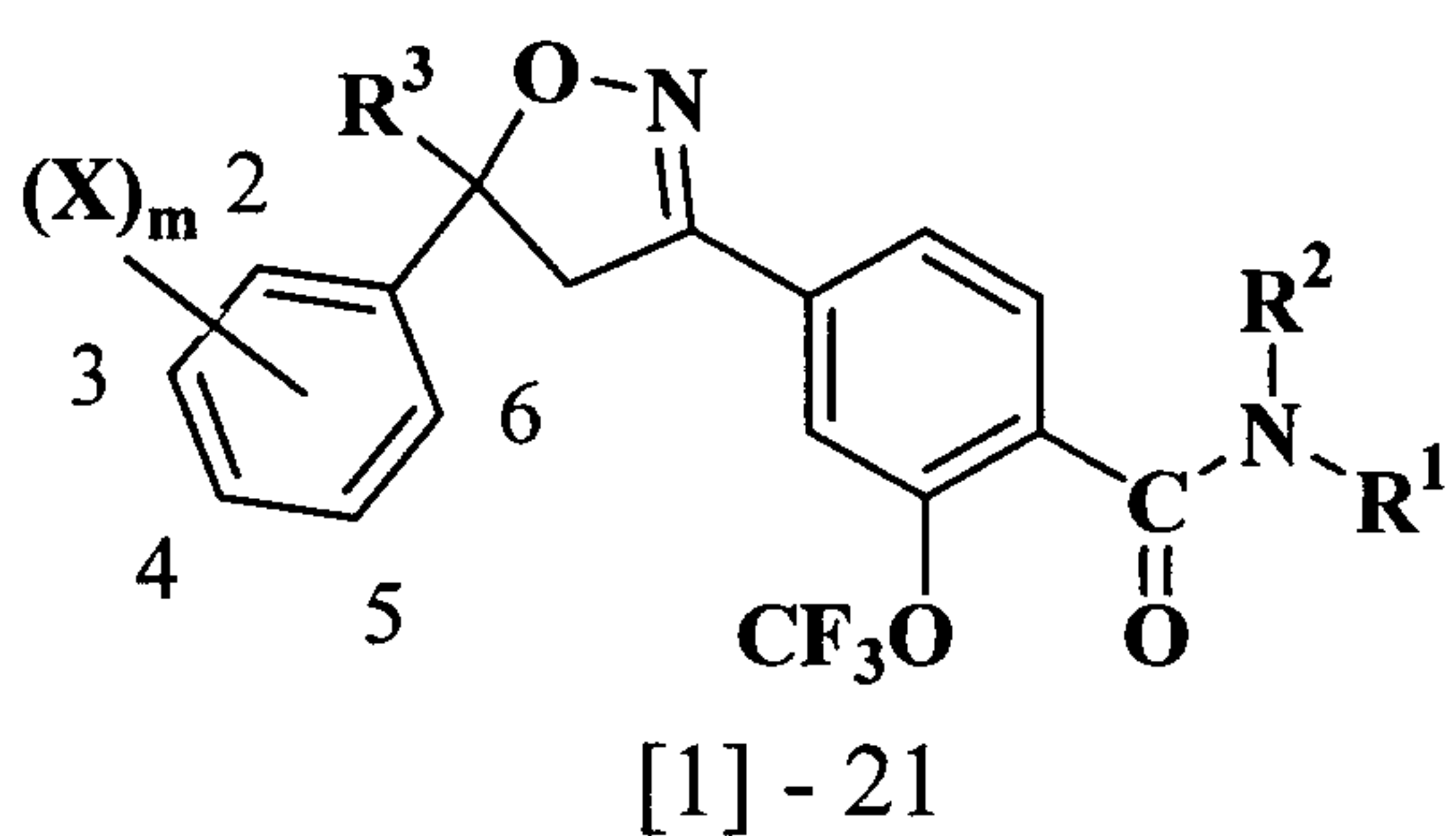
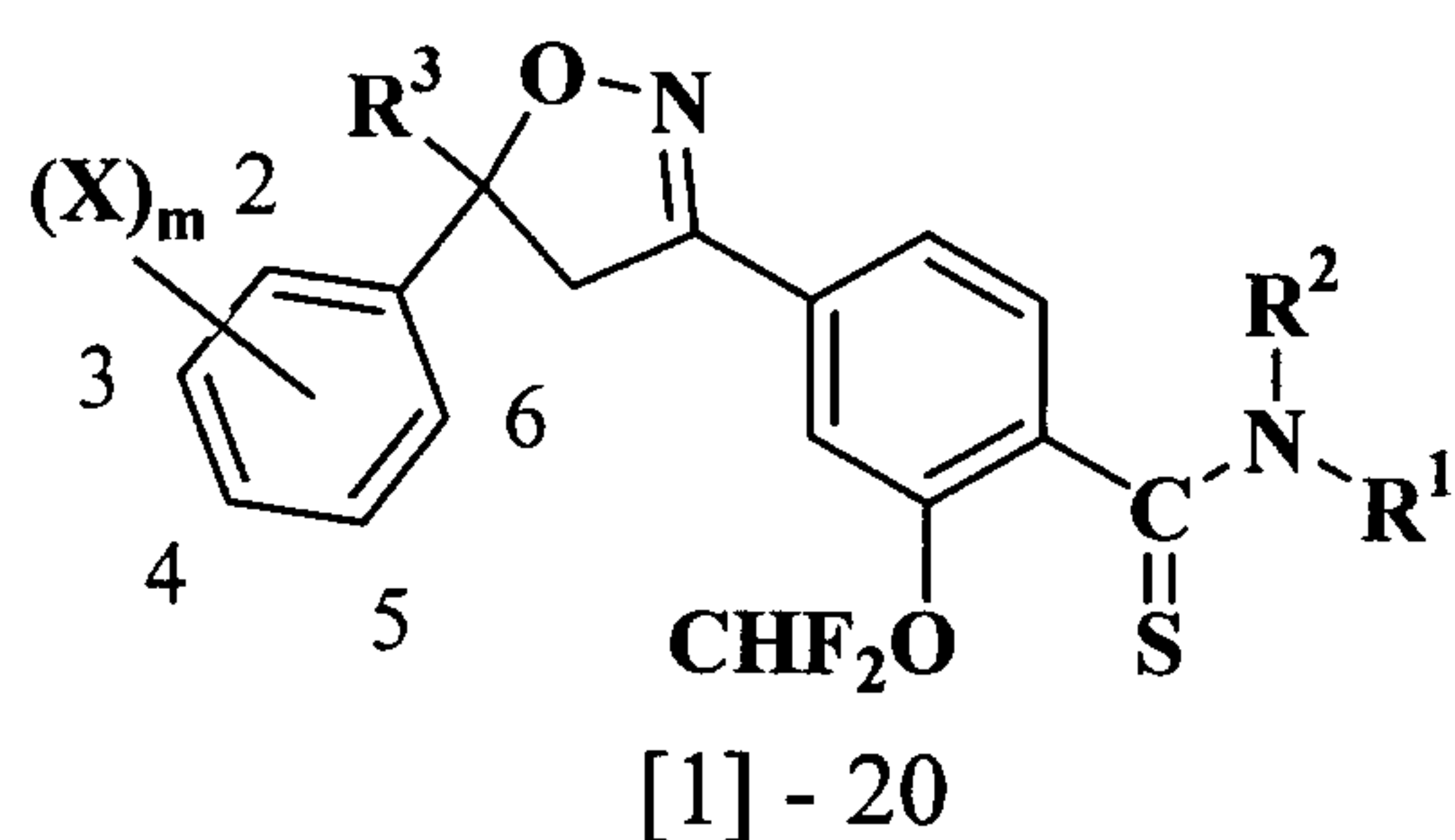
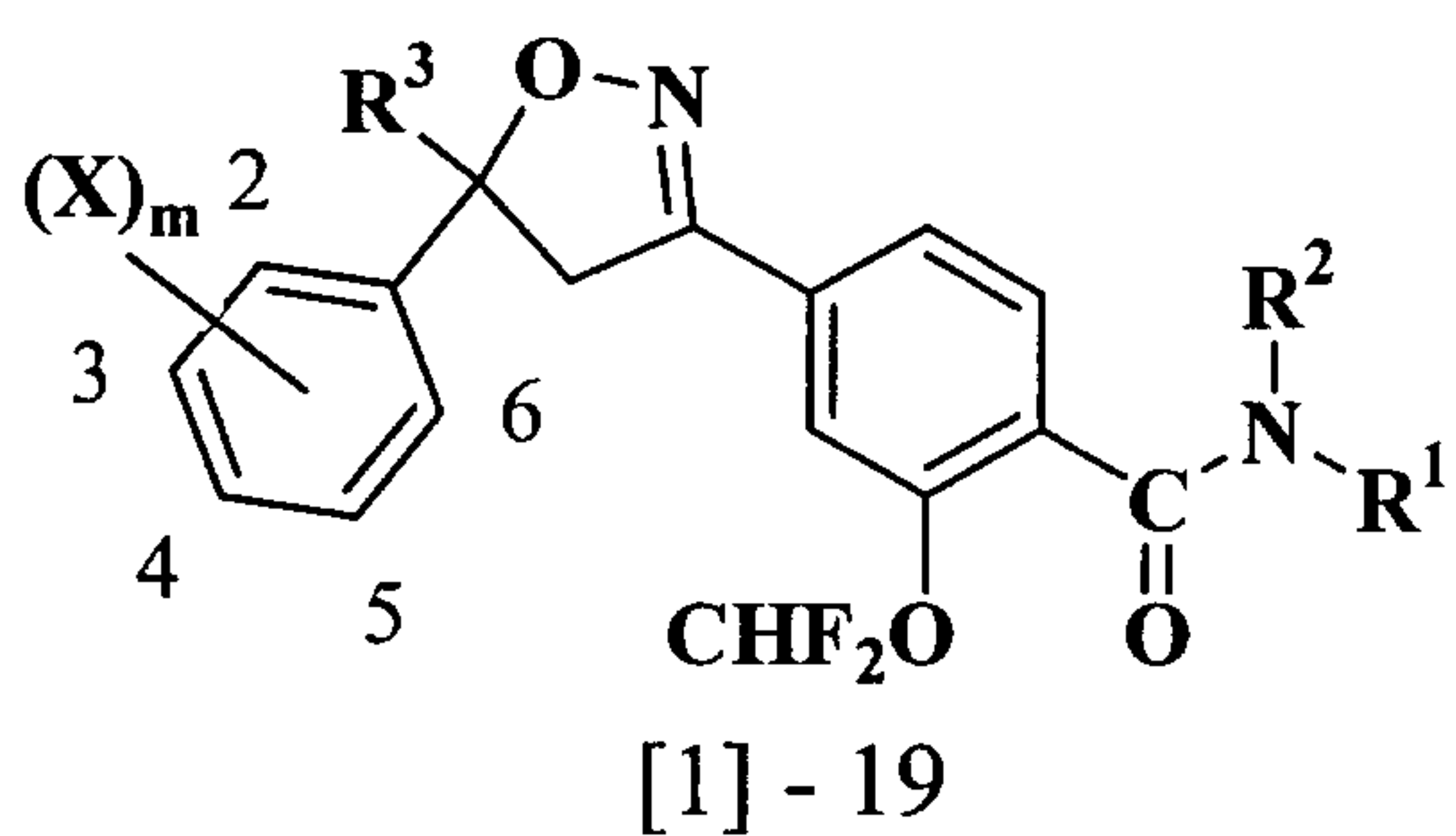
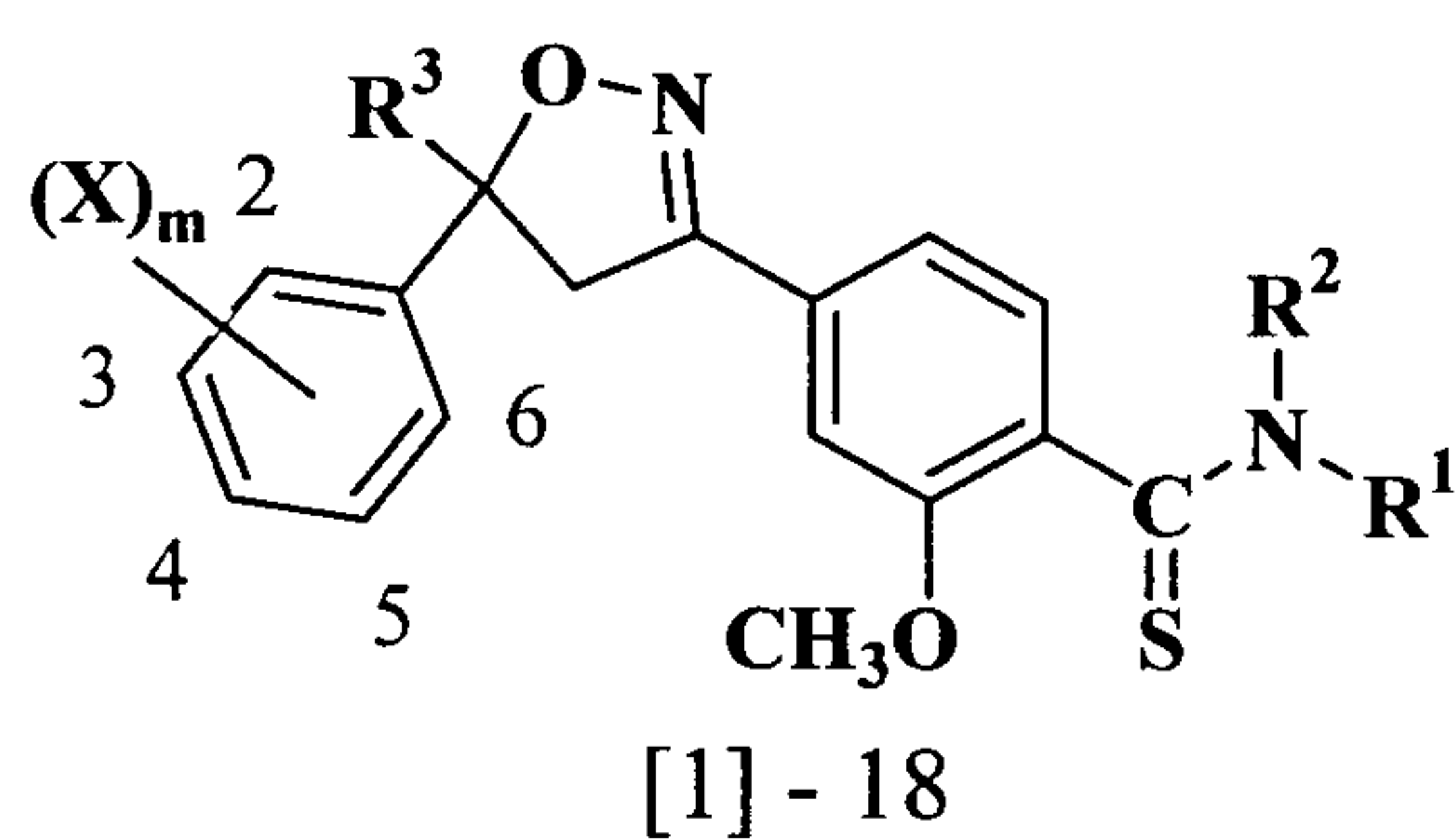
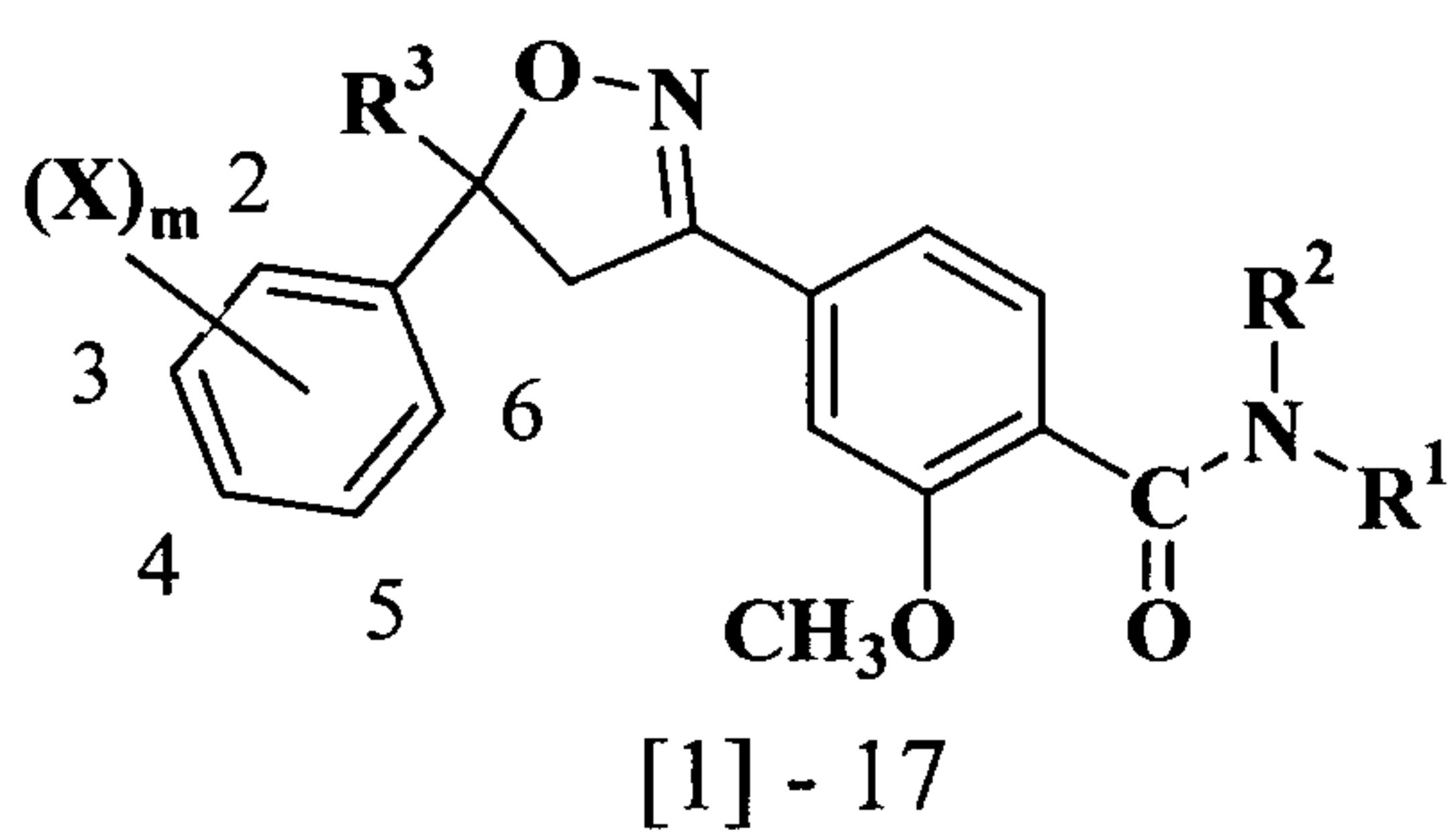
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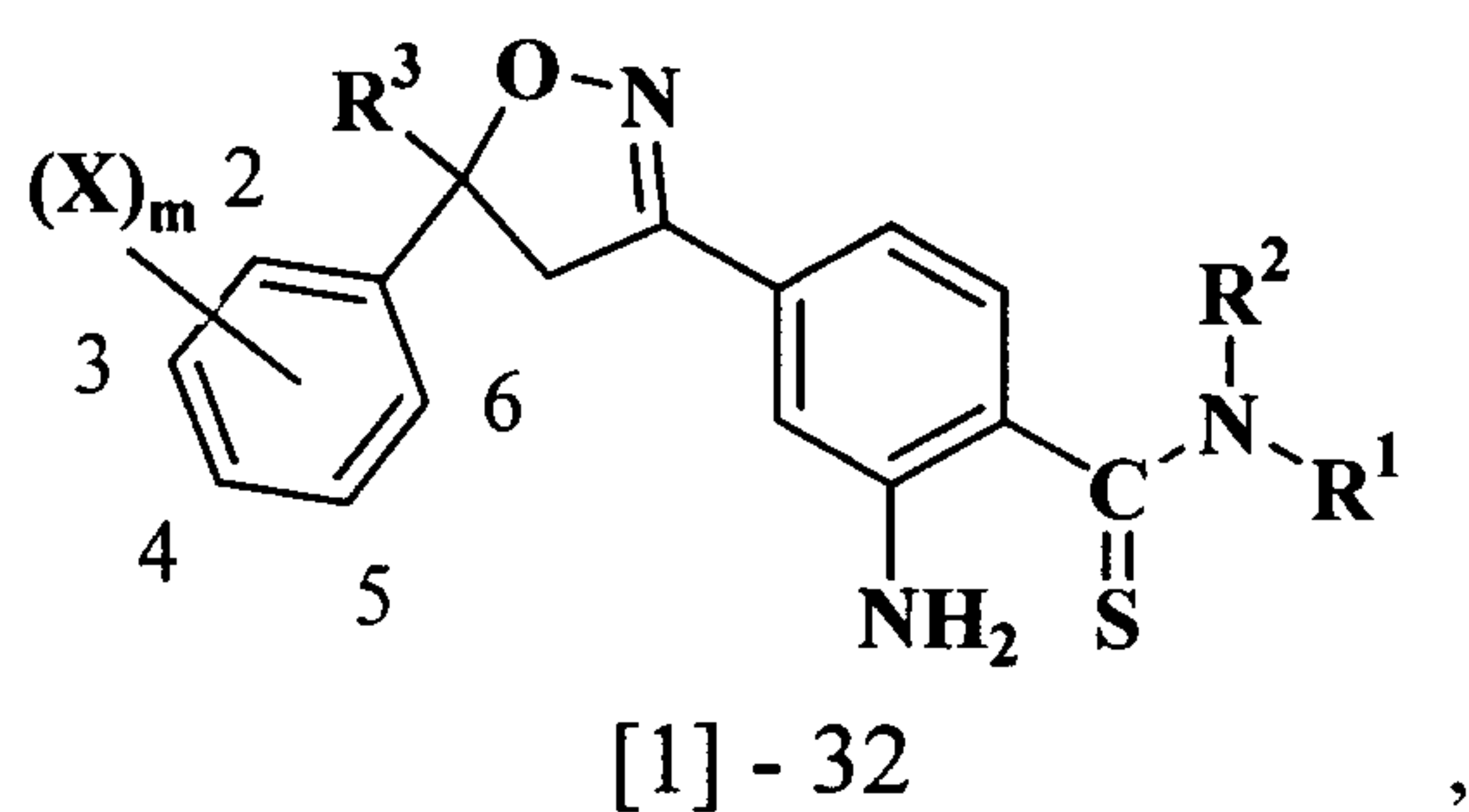
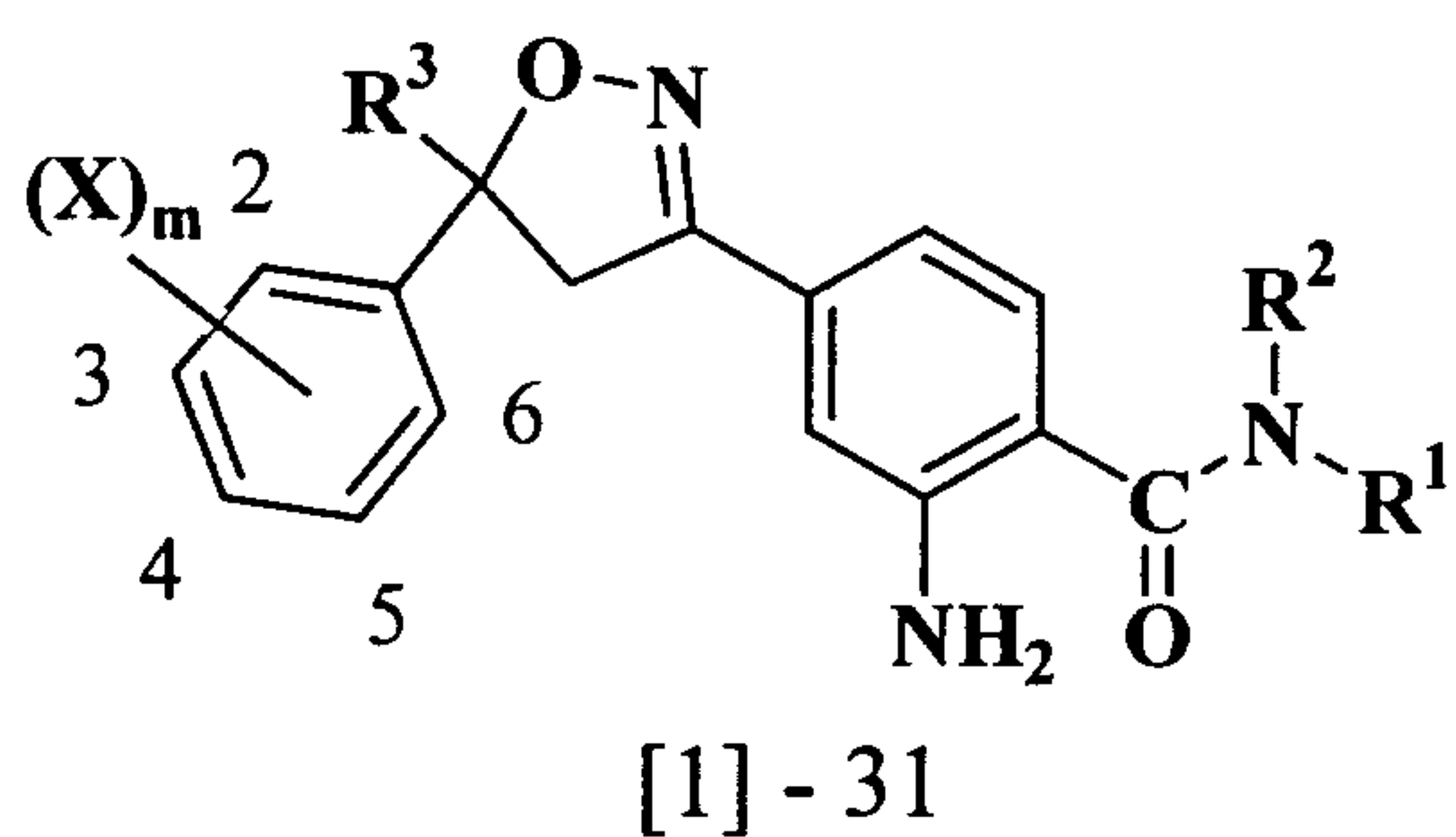
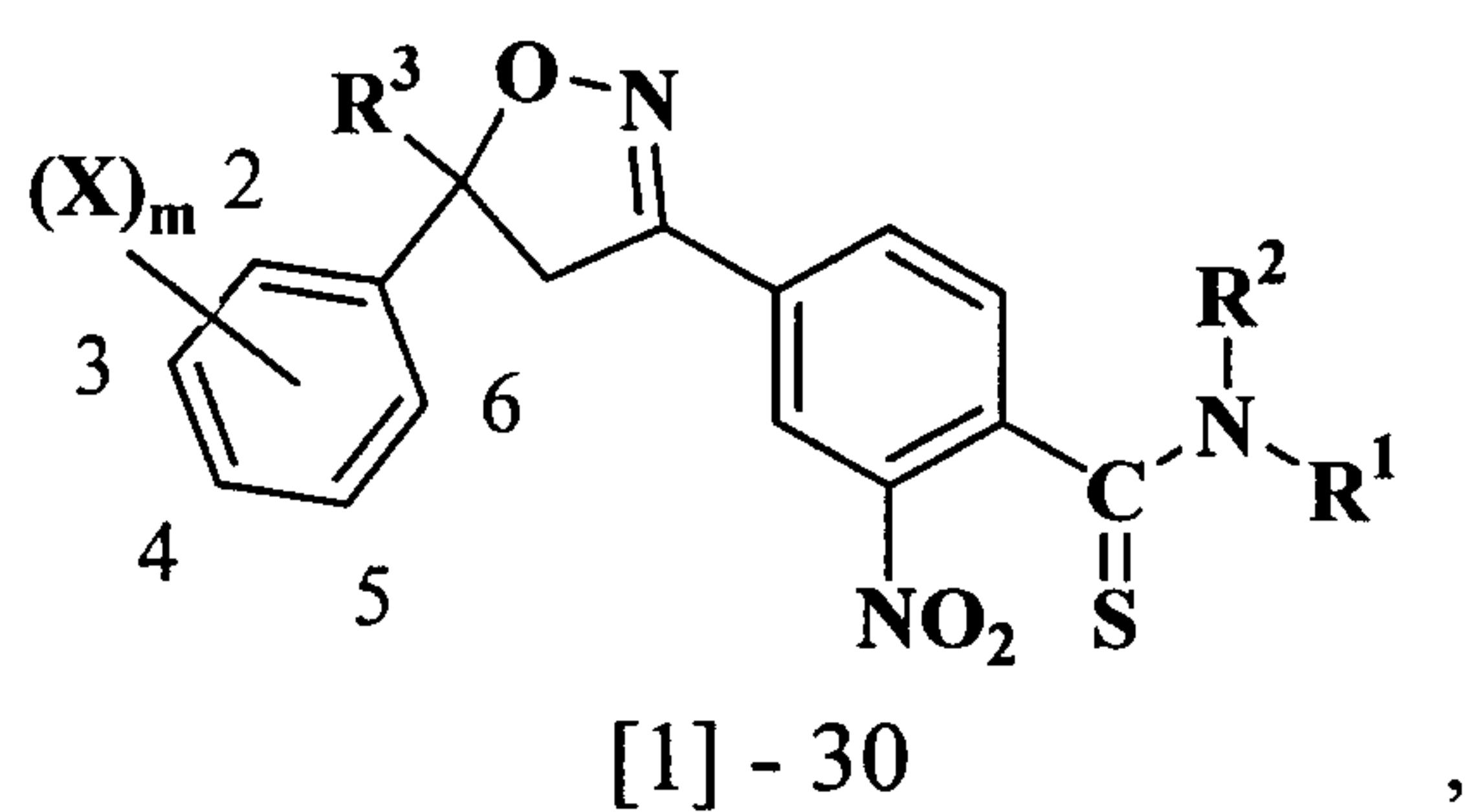
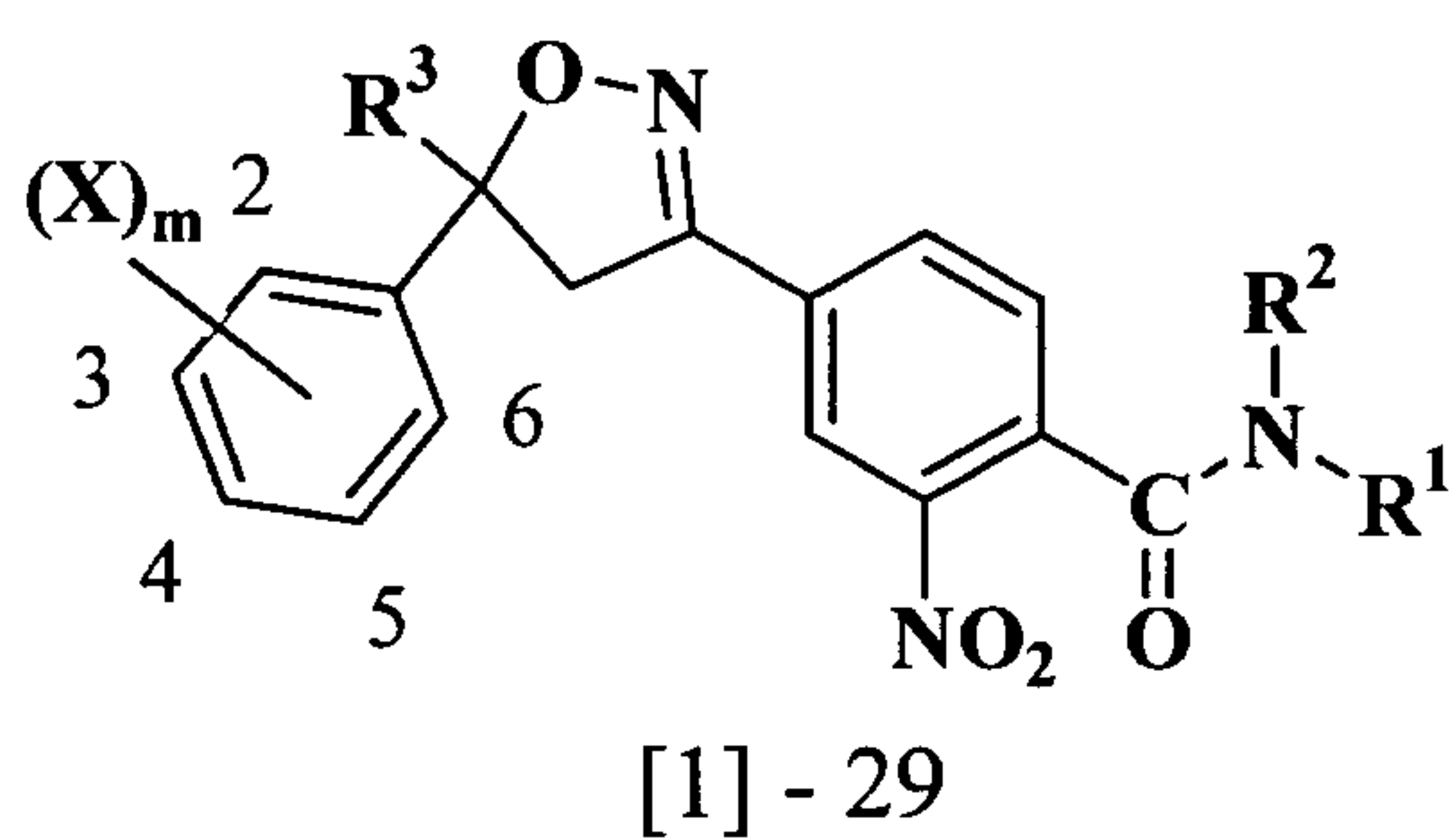
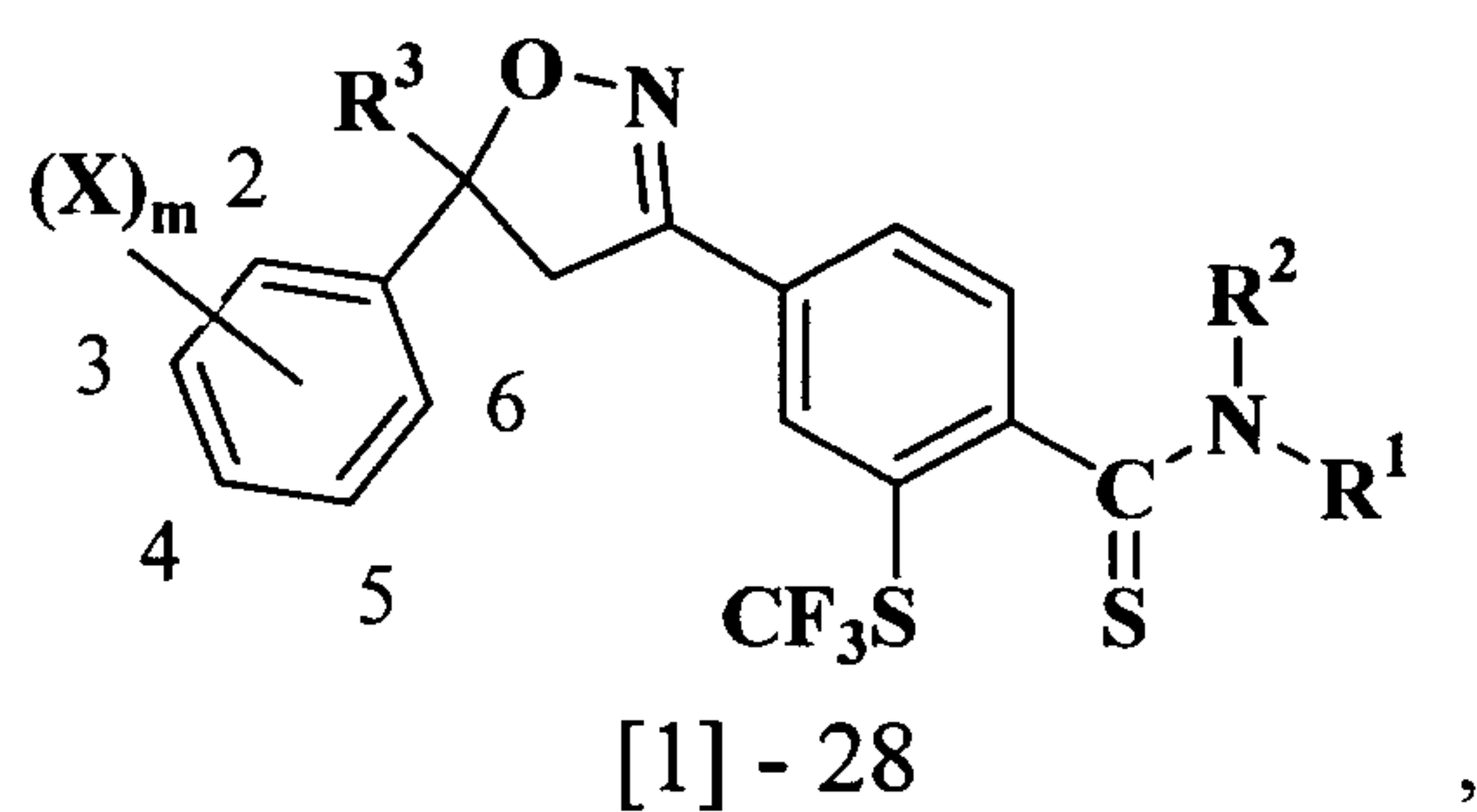
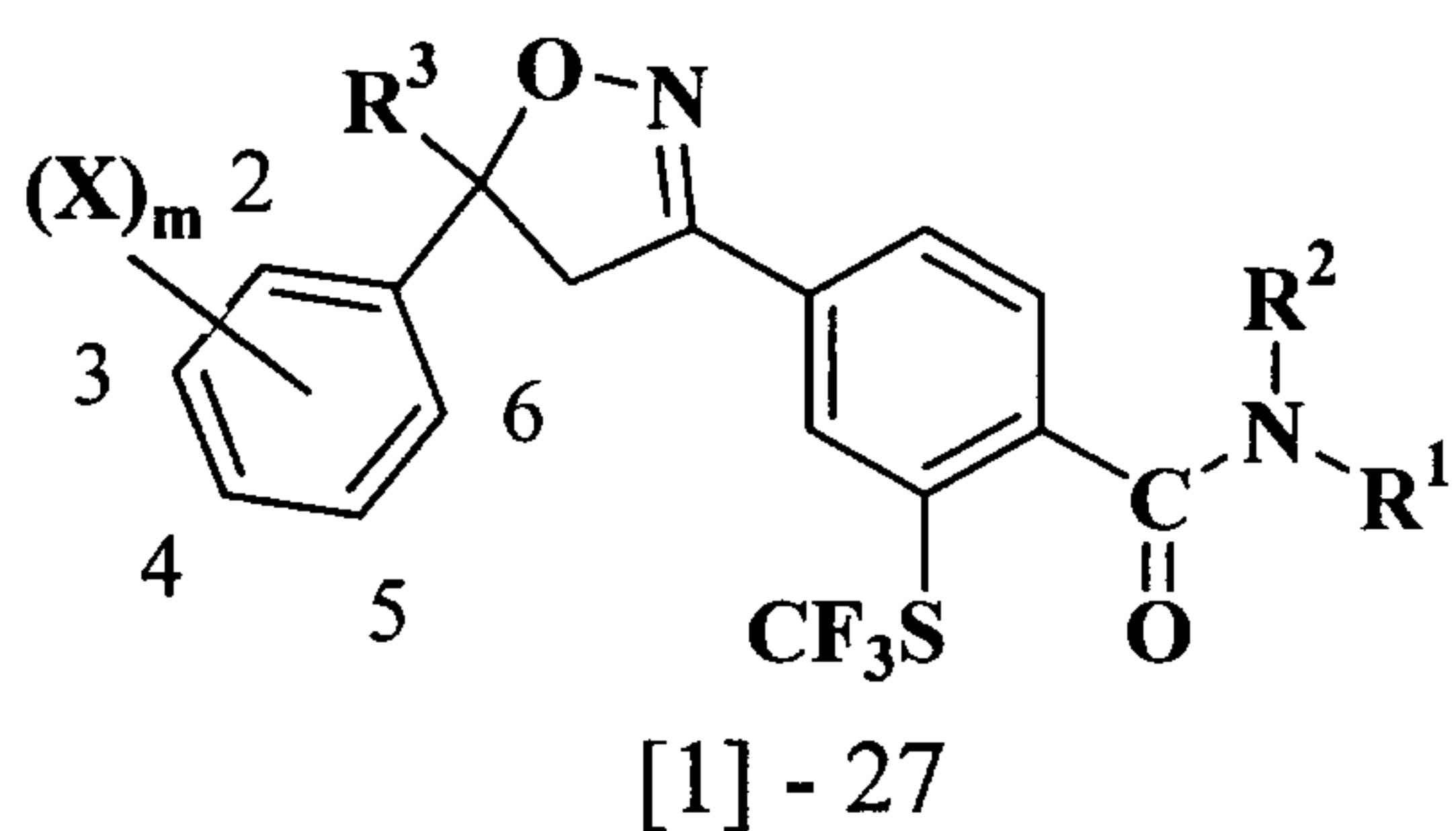
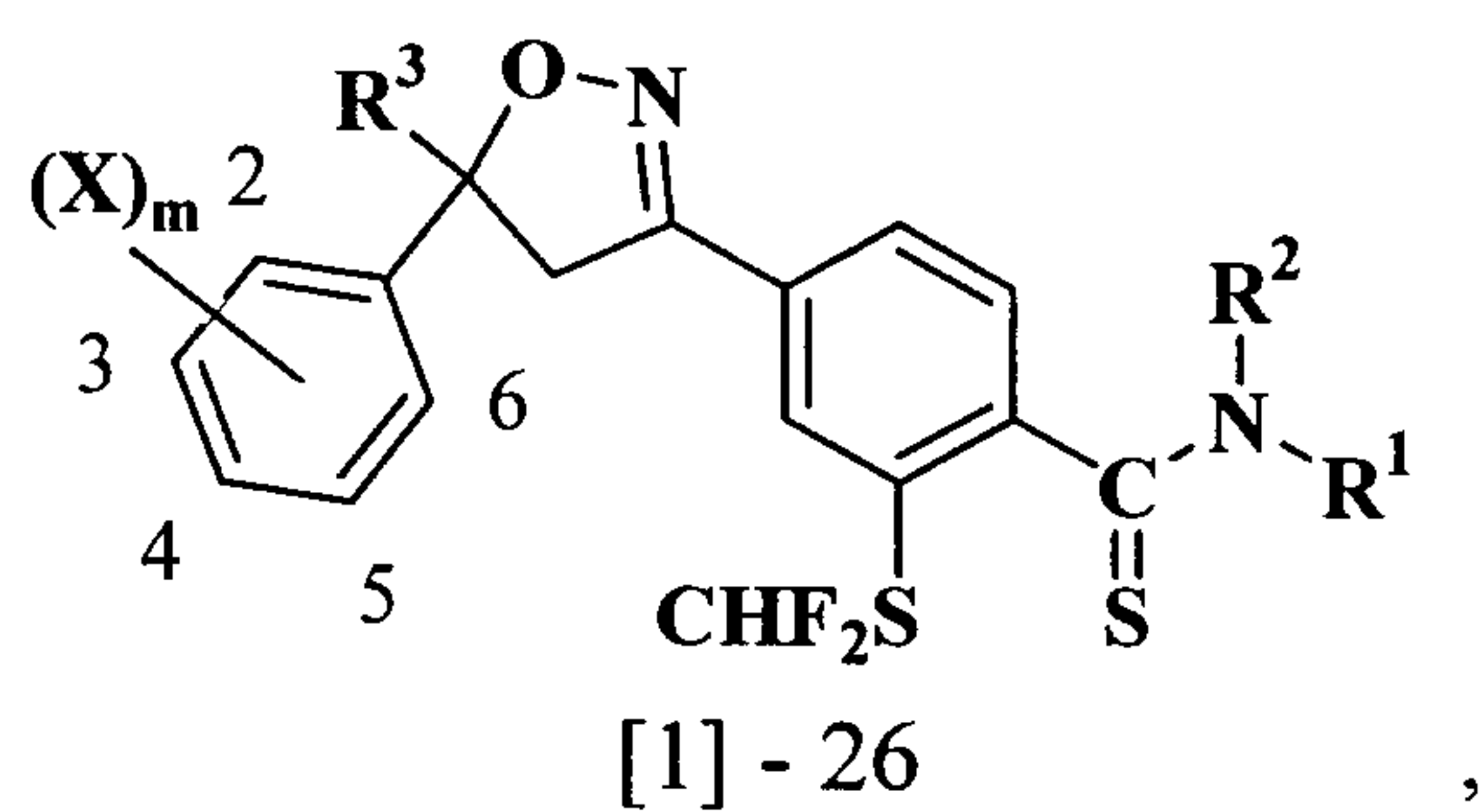
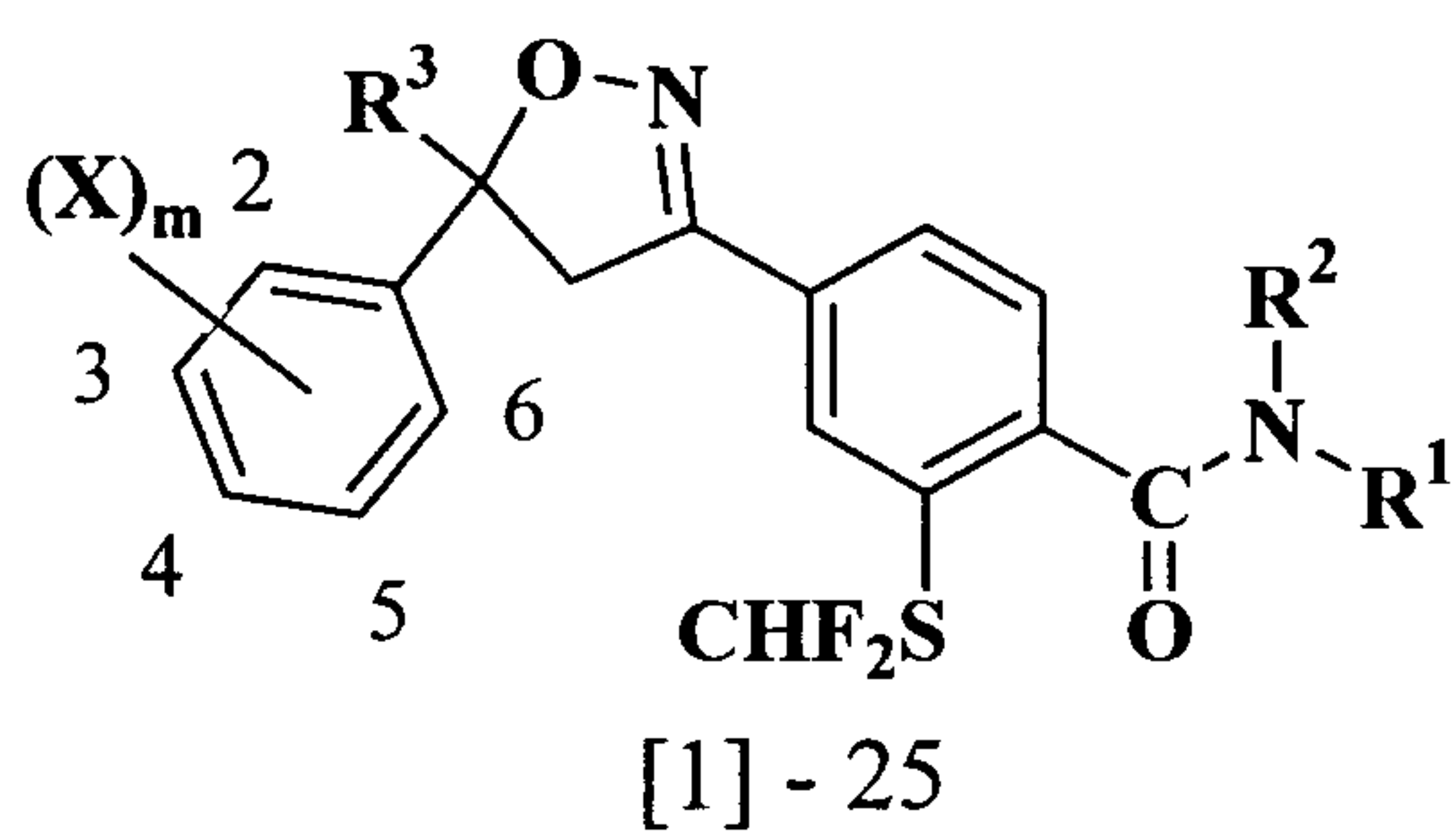
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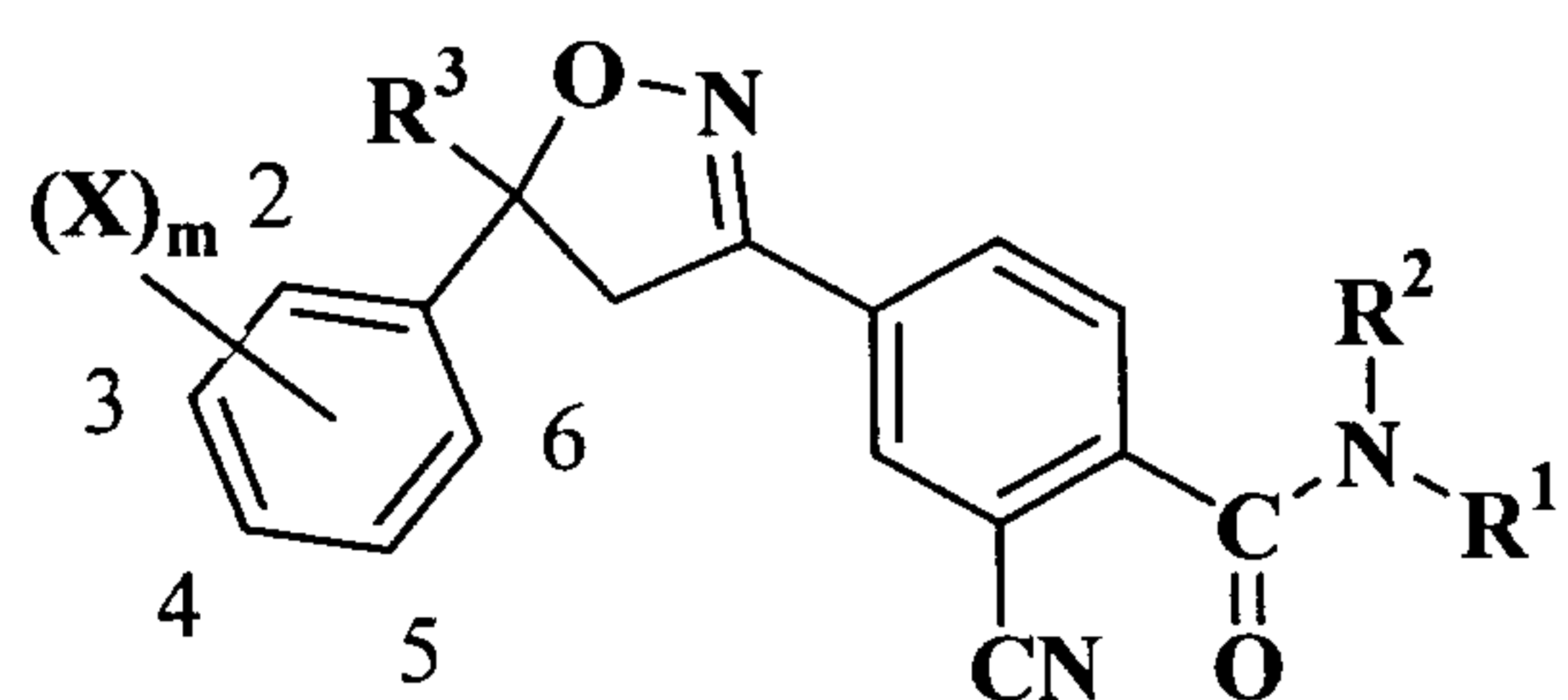


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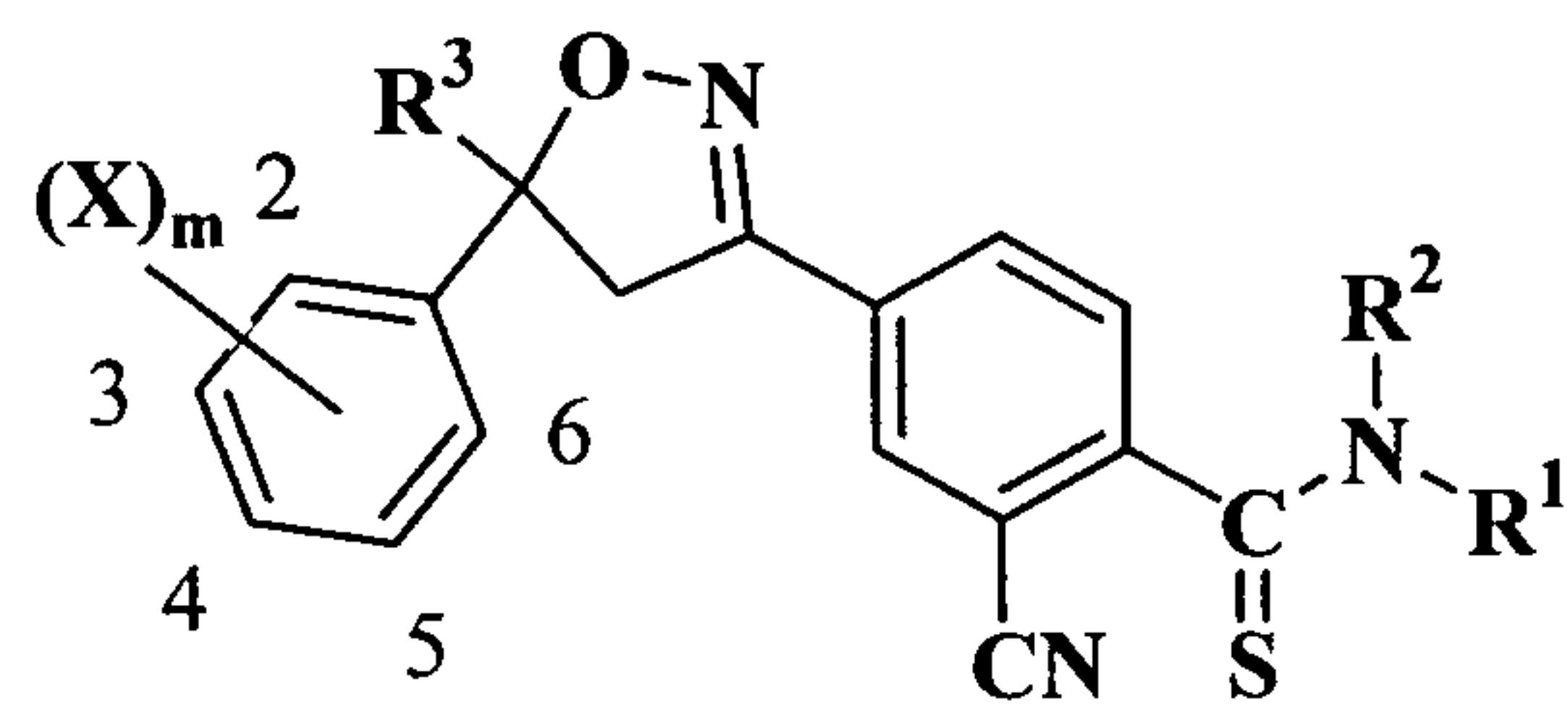






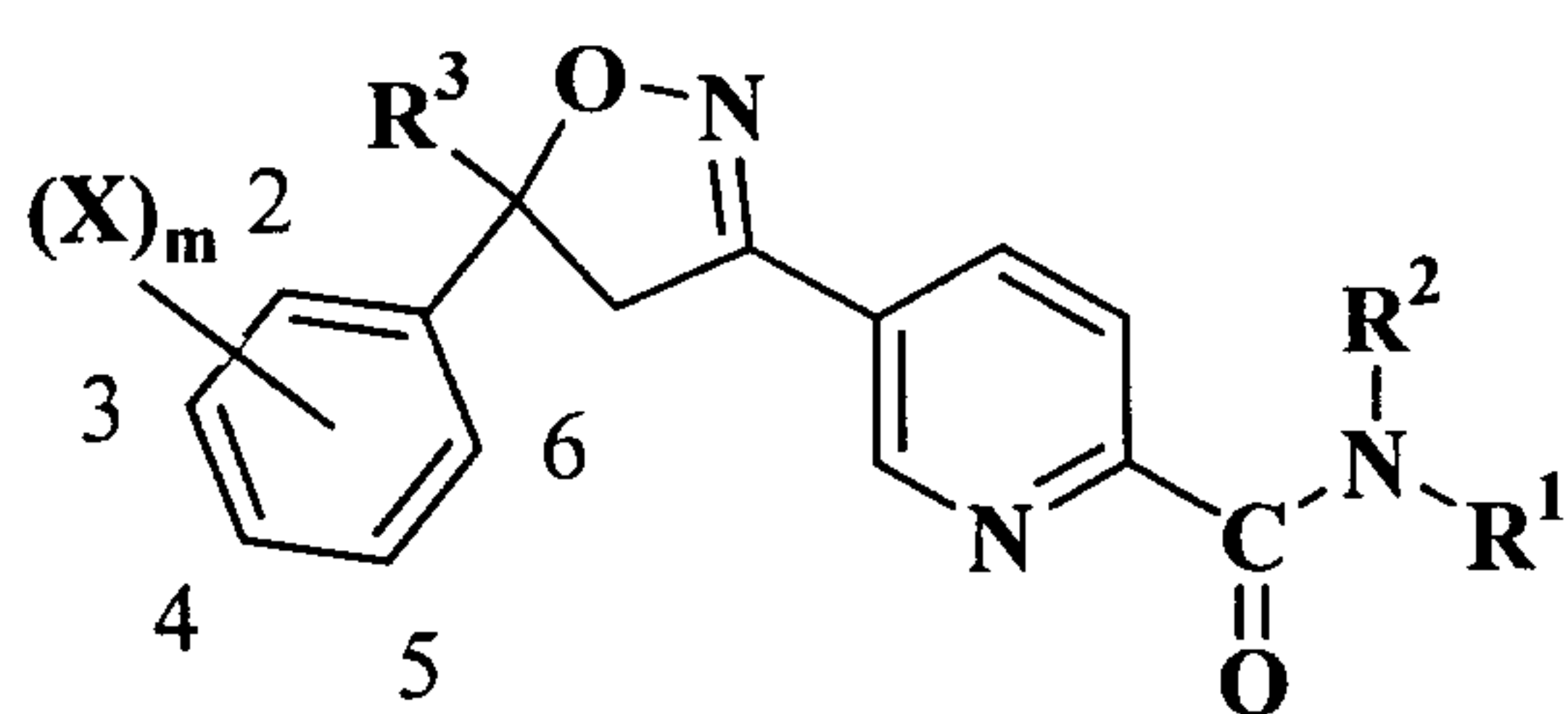
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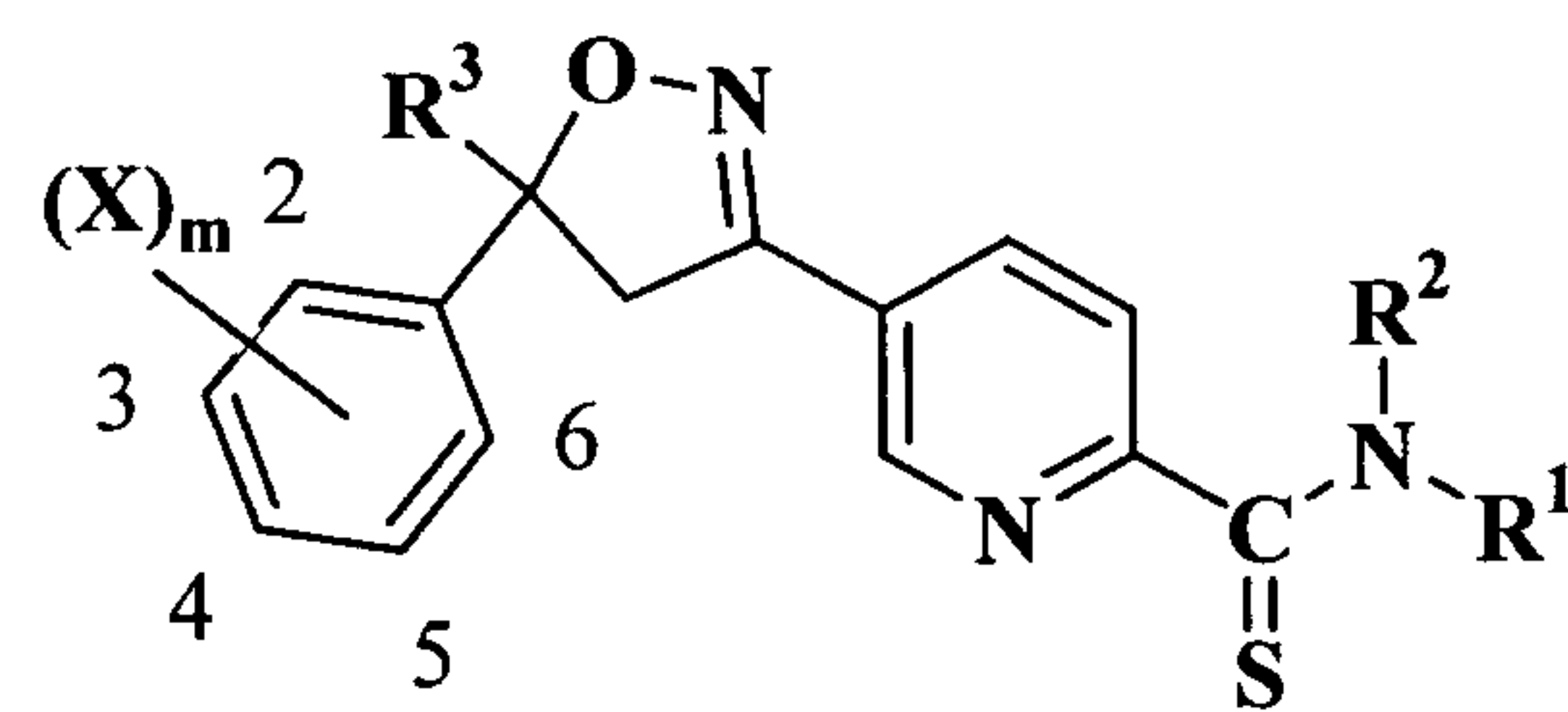
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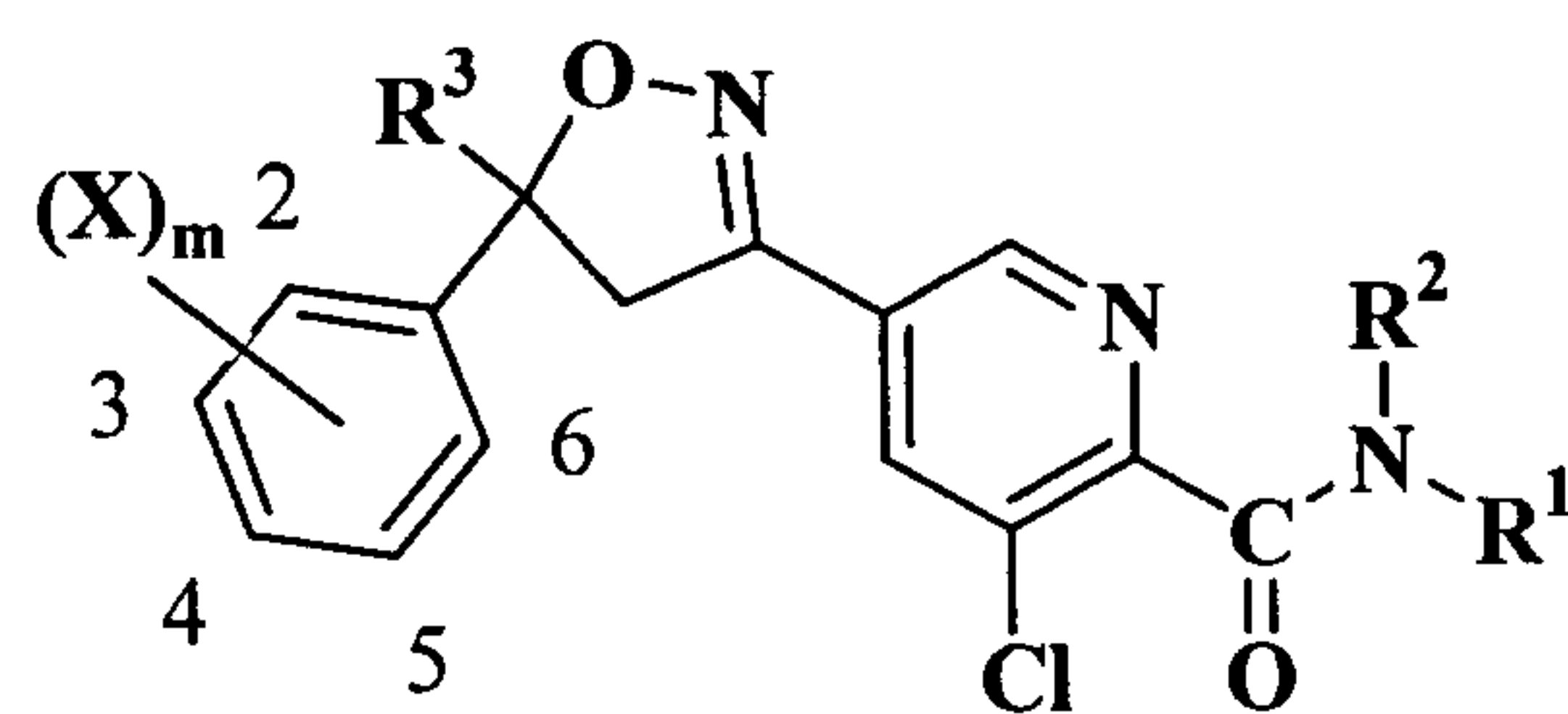
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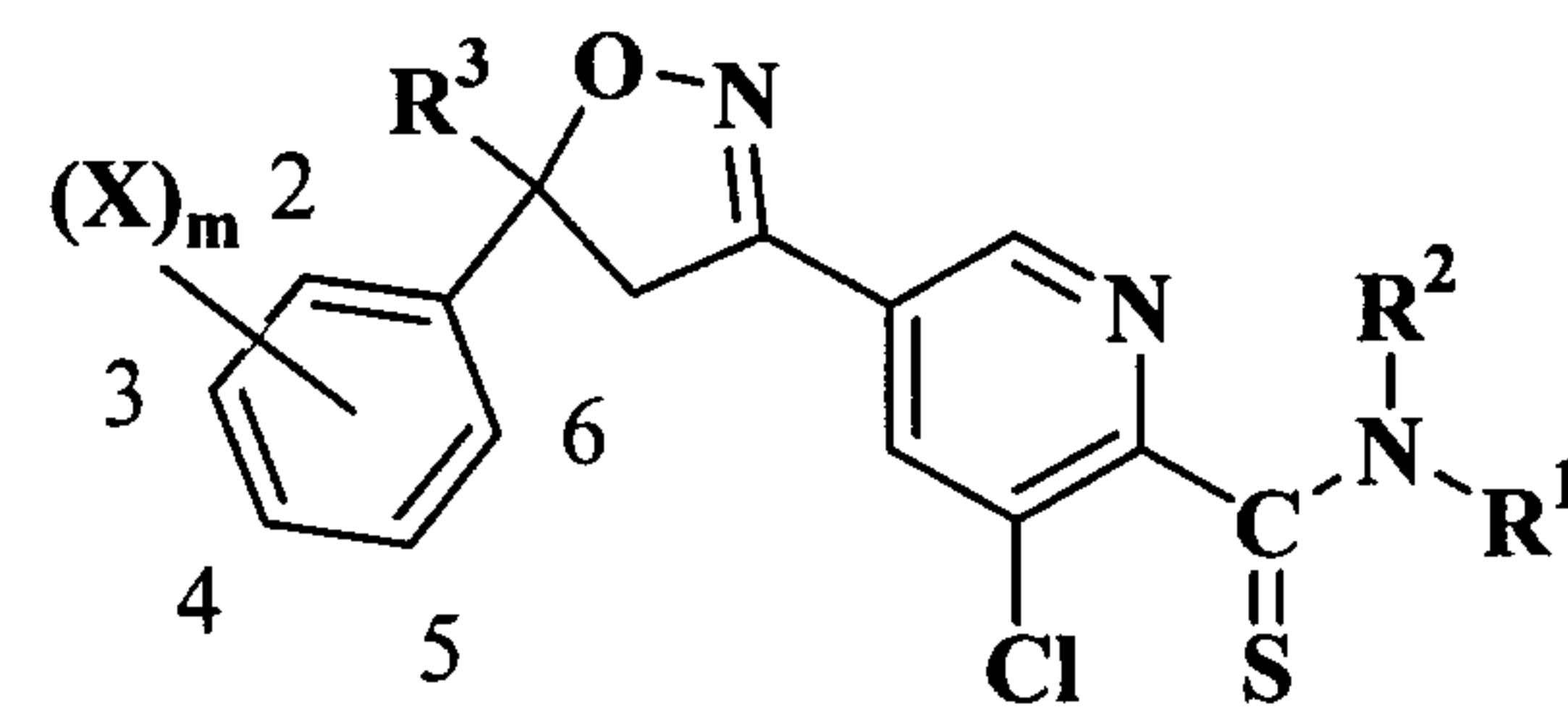
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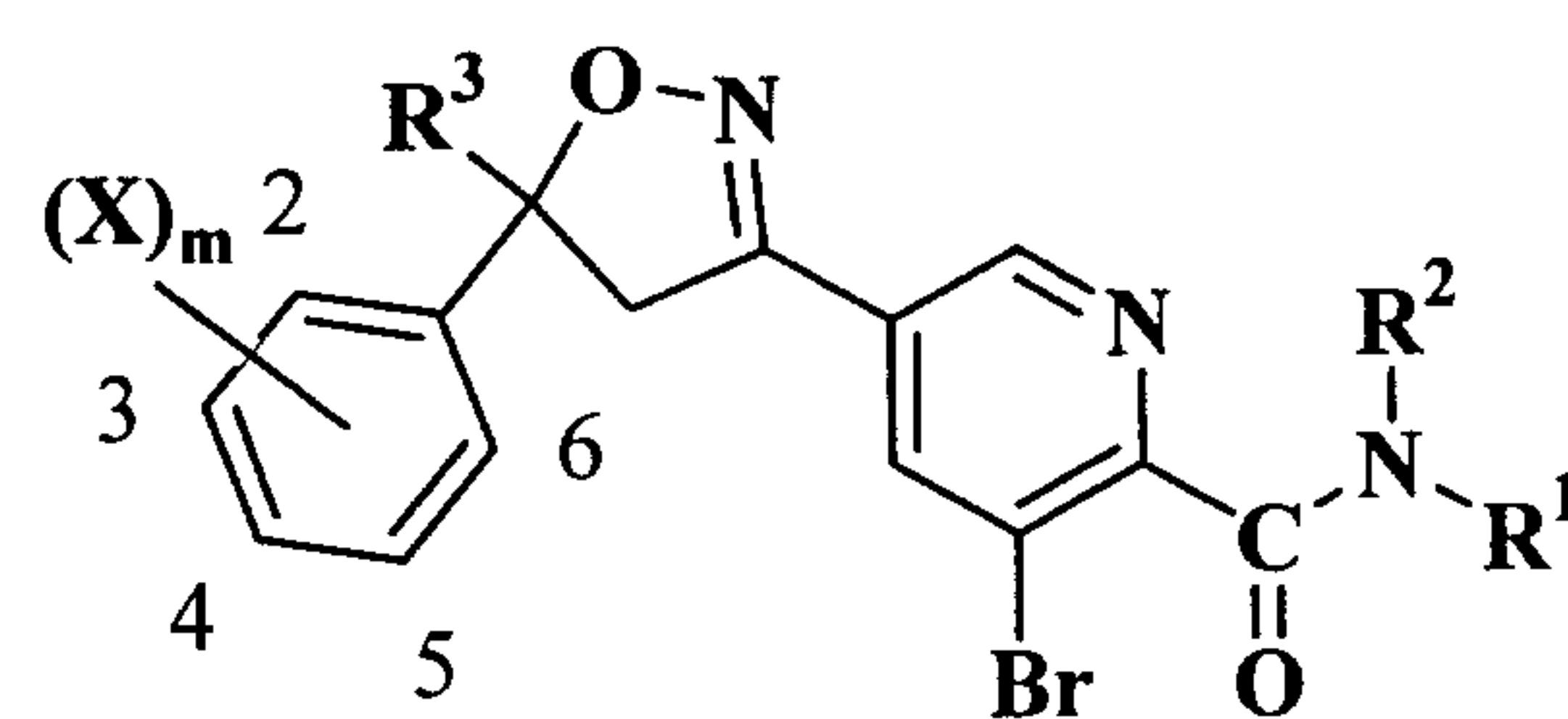
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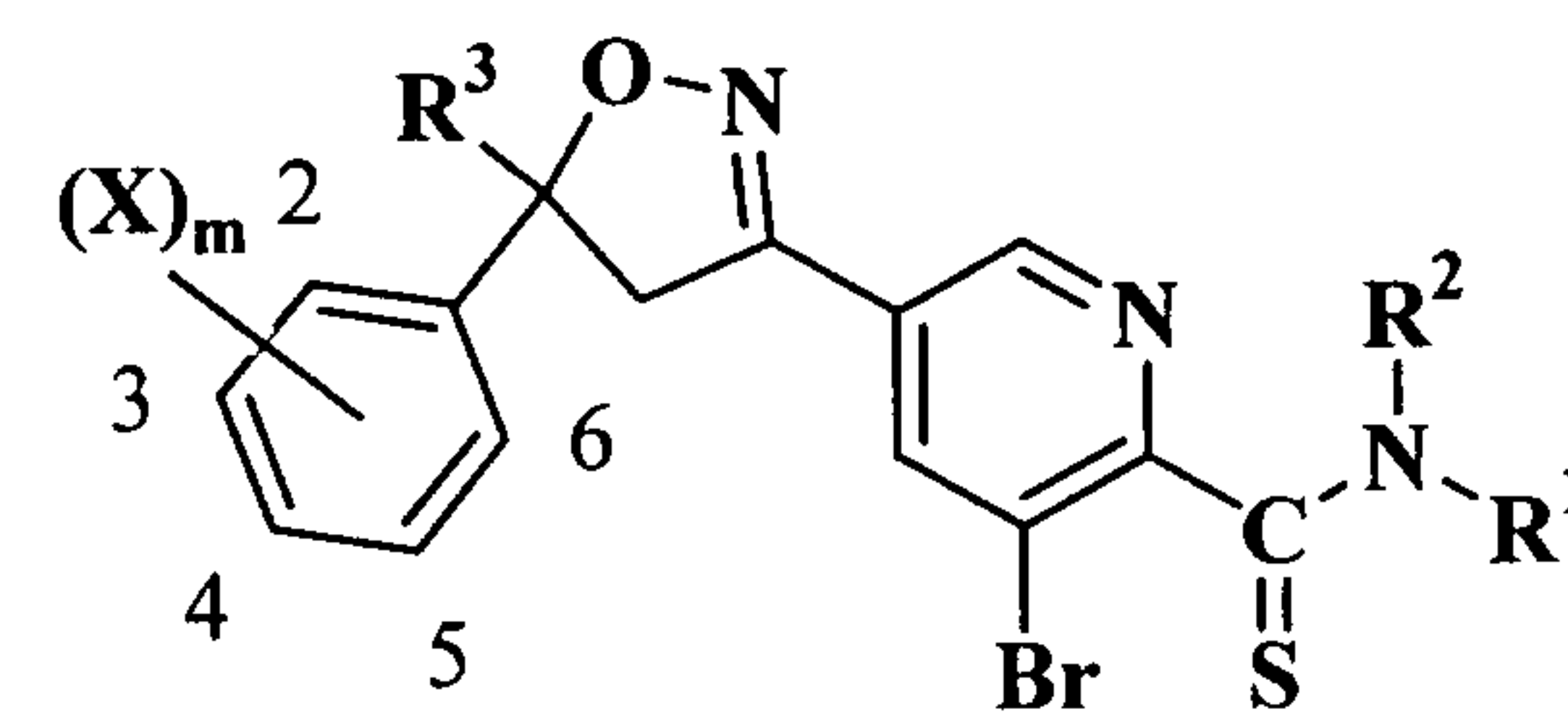
[1] - 38

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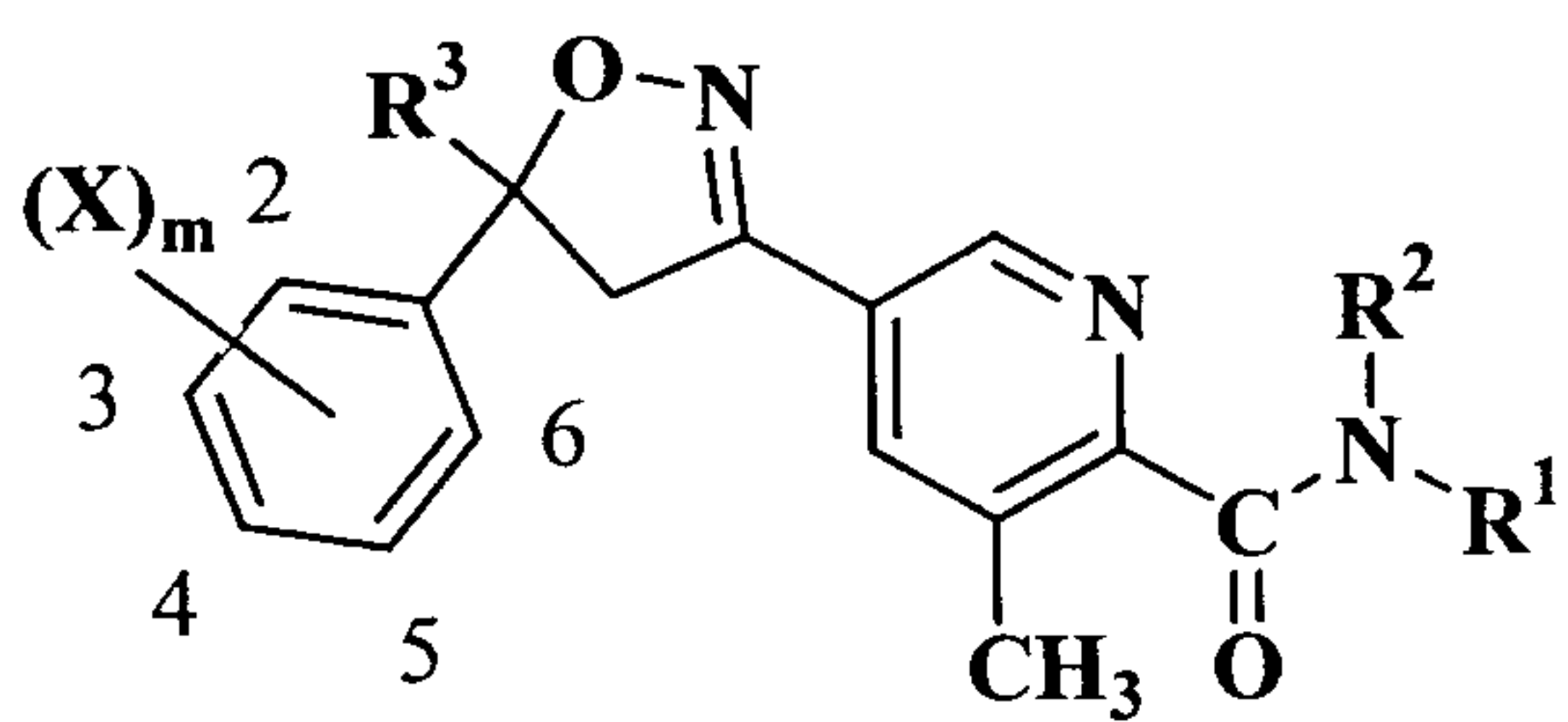
[1] - 39

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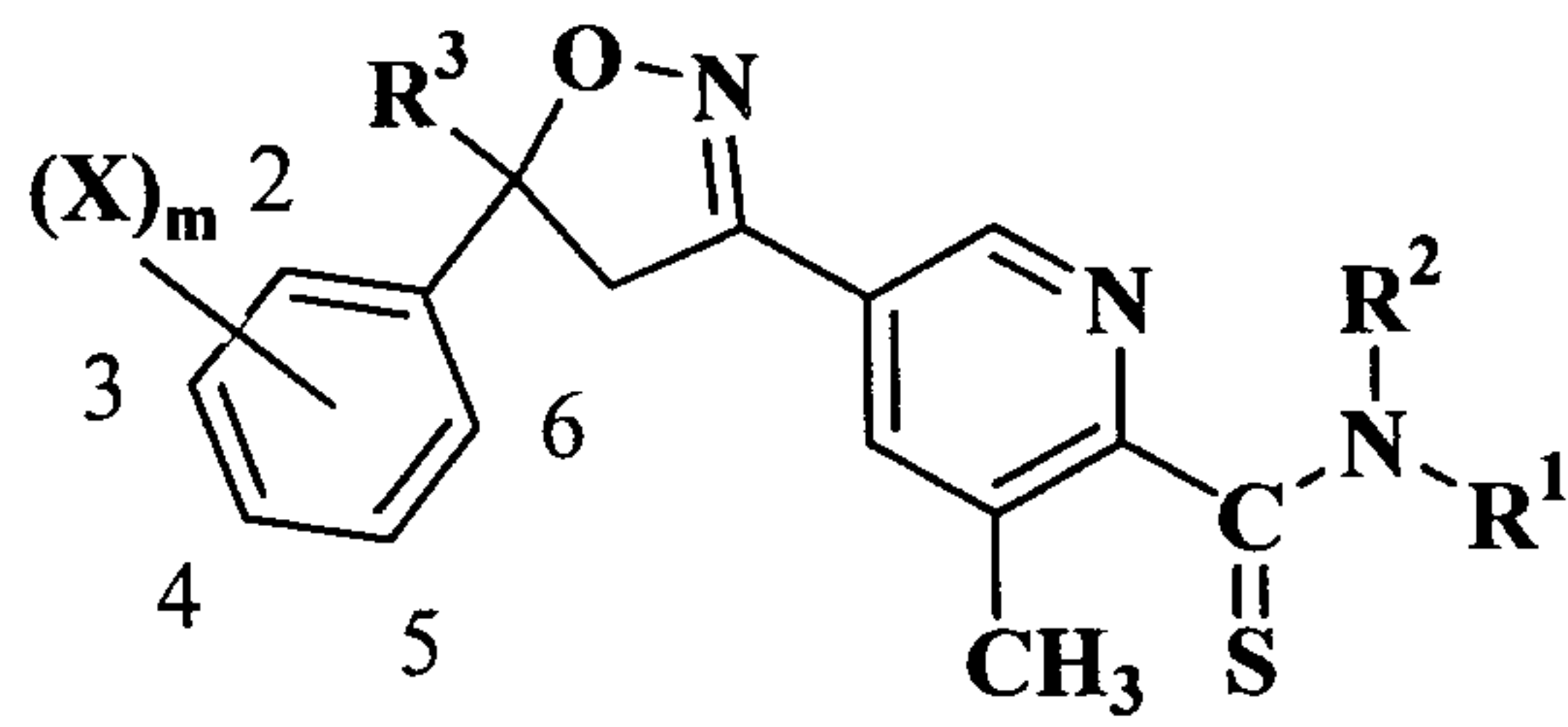
[1] - 40

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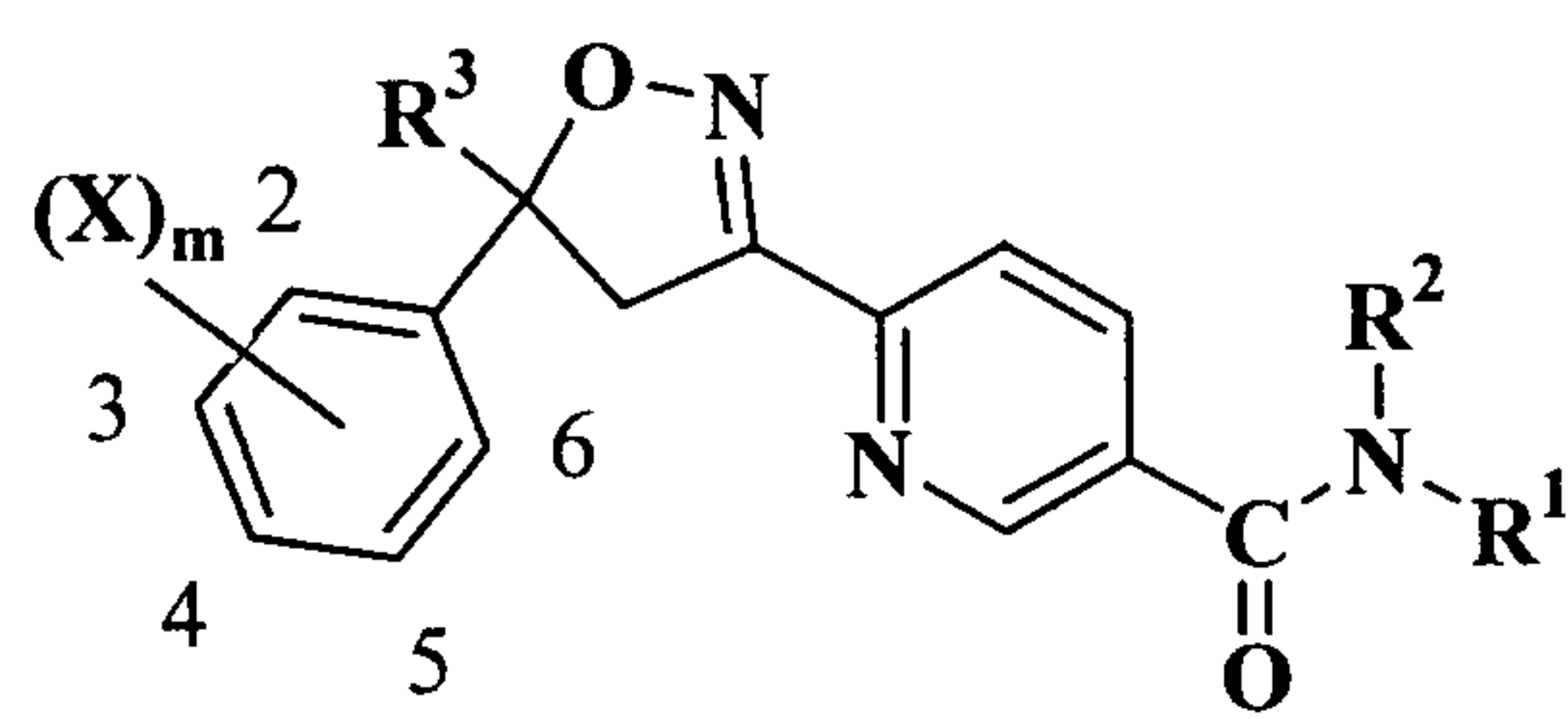
[1] - 41

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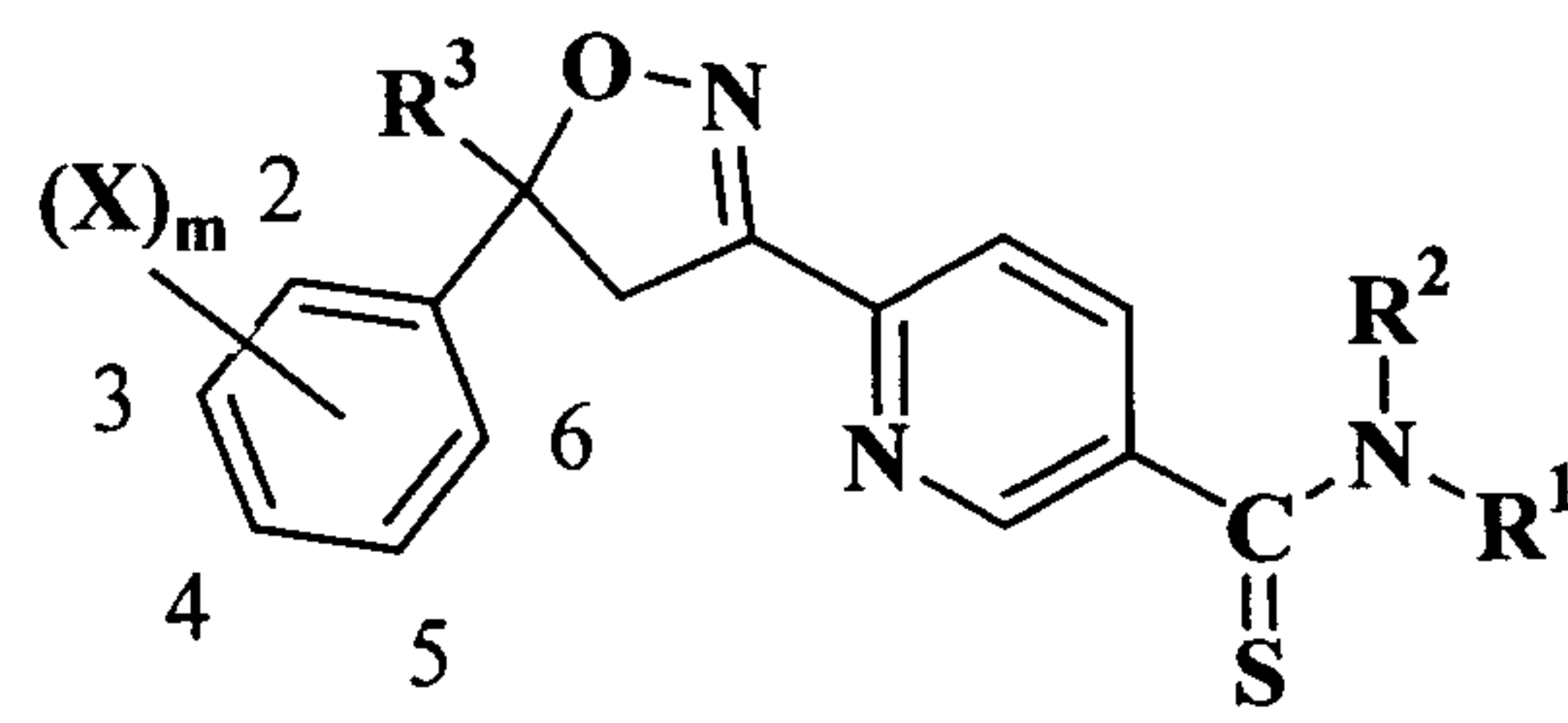
[1] - 42

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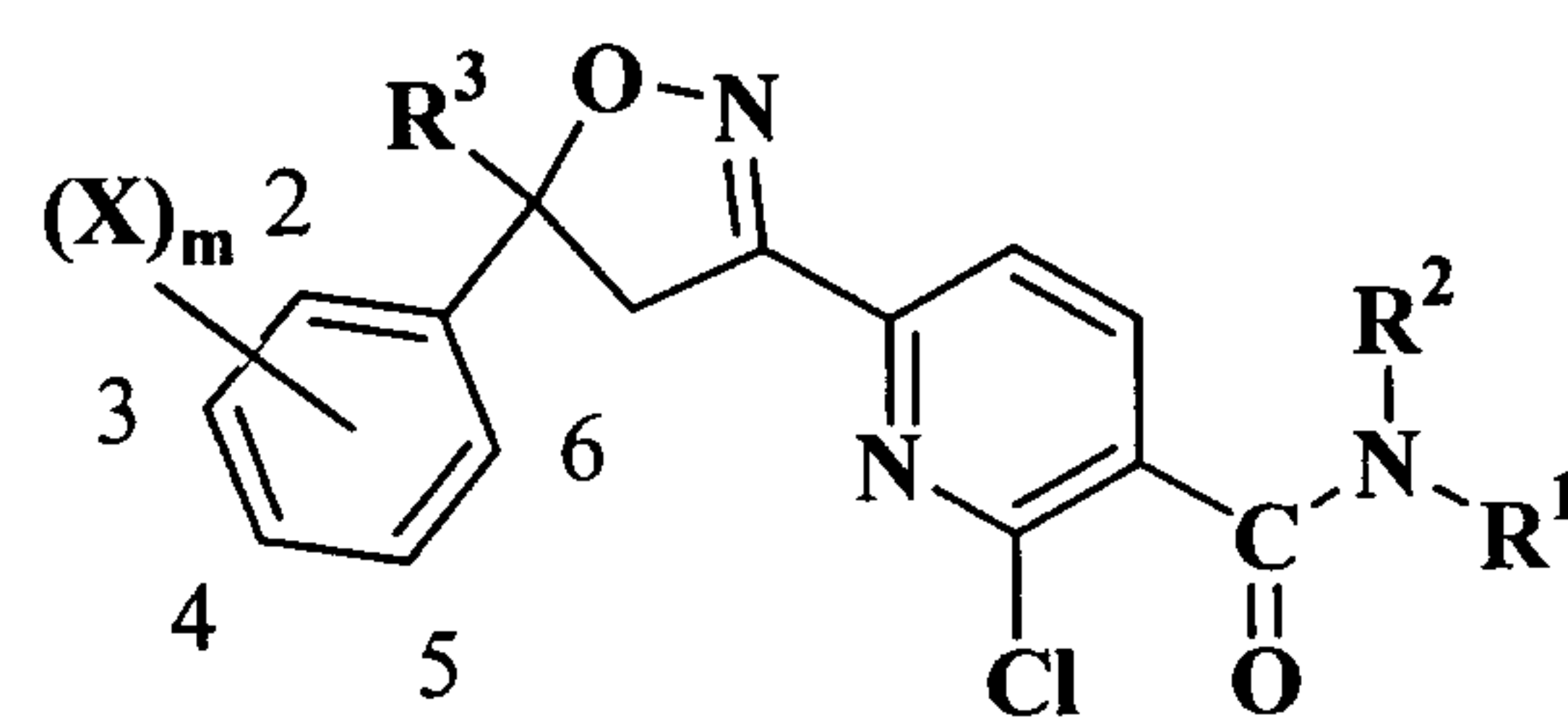
[1] - 43

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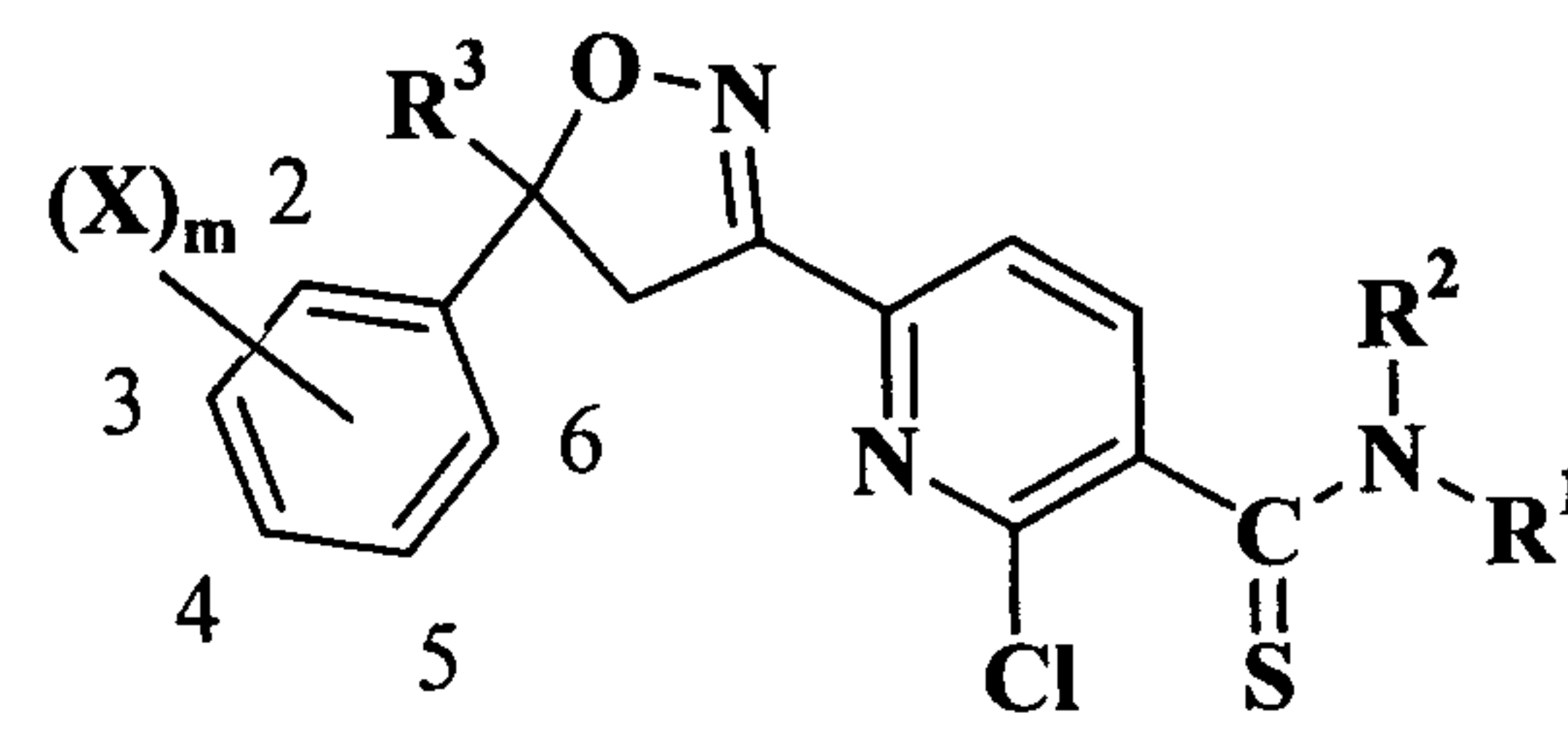
[1] - 44

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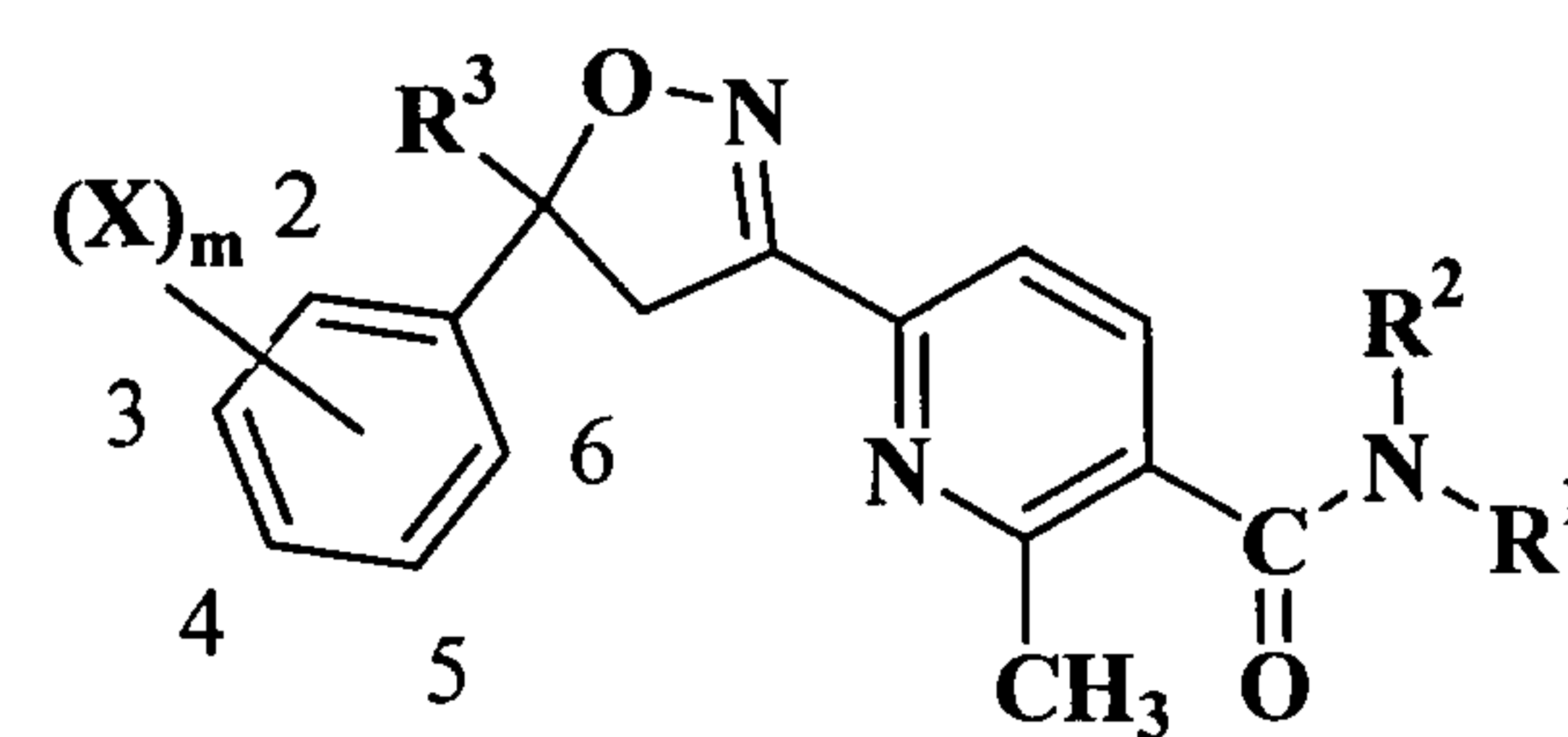
[1] - 45

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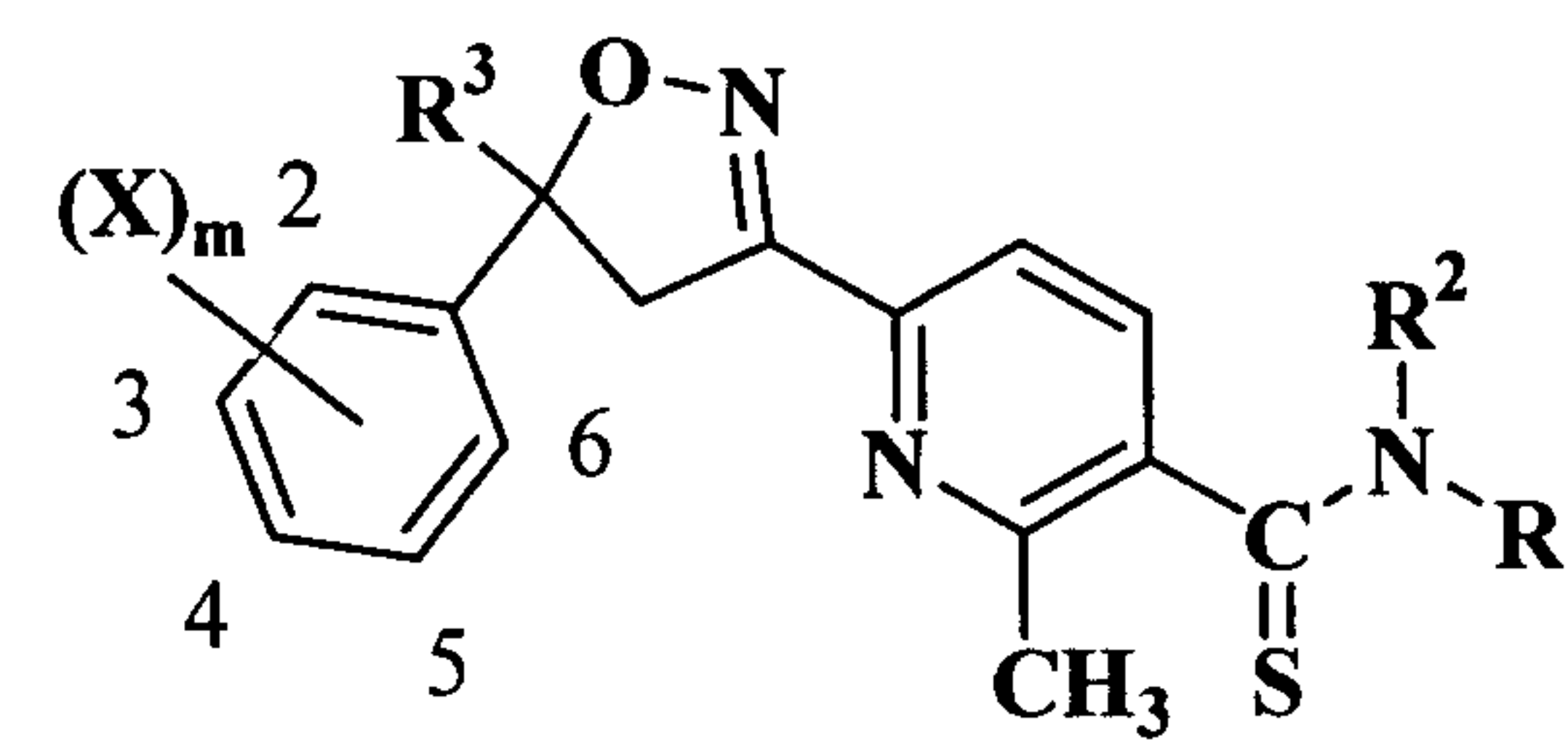
[1] - 46

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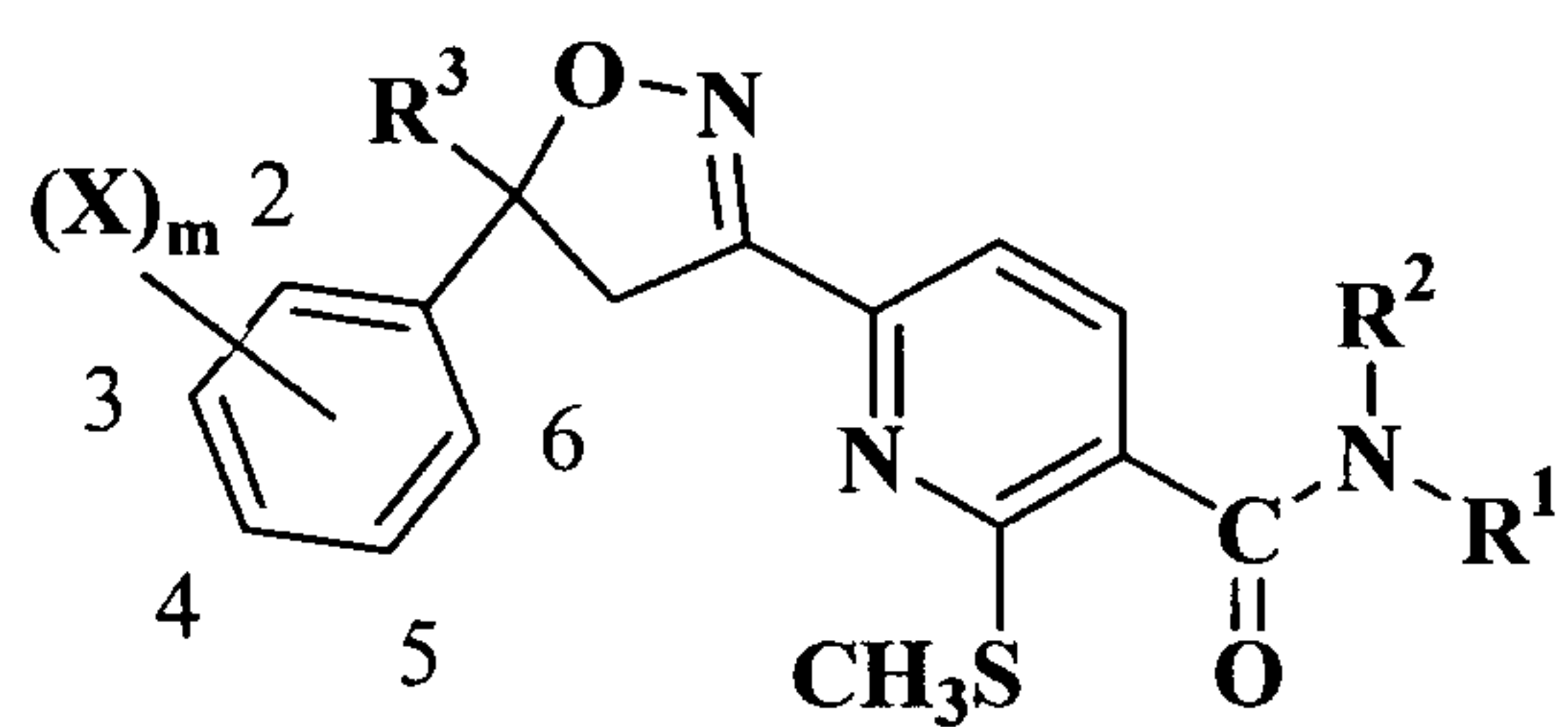
[1] - 47

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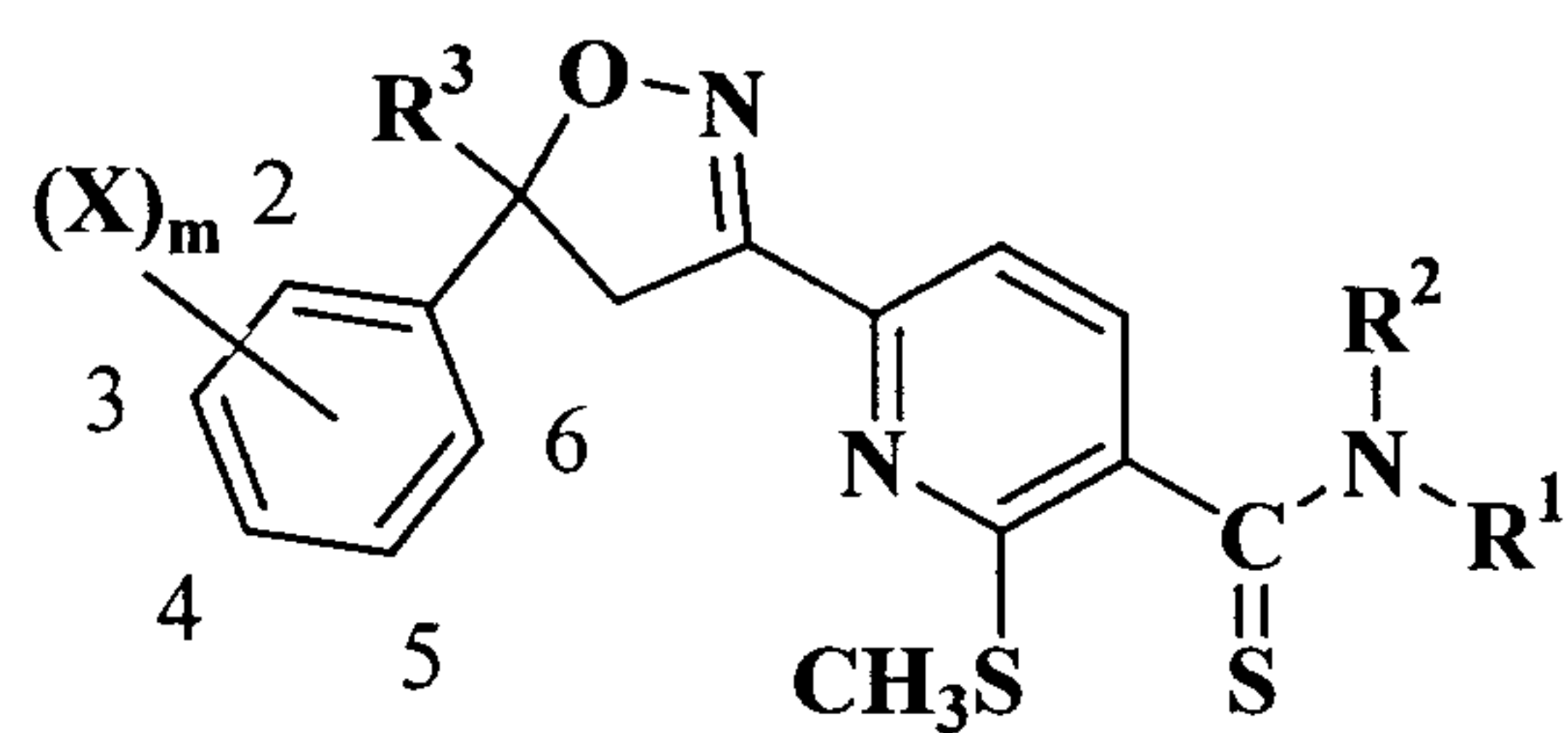
[1] - 48

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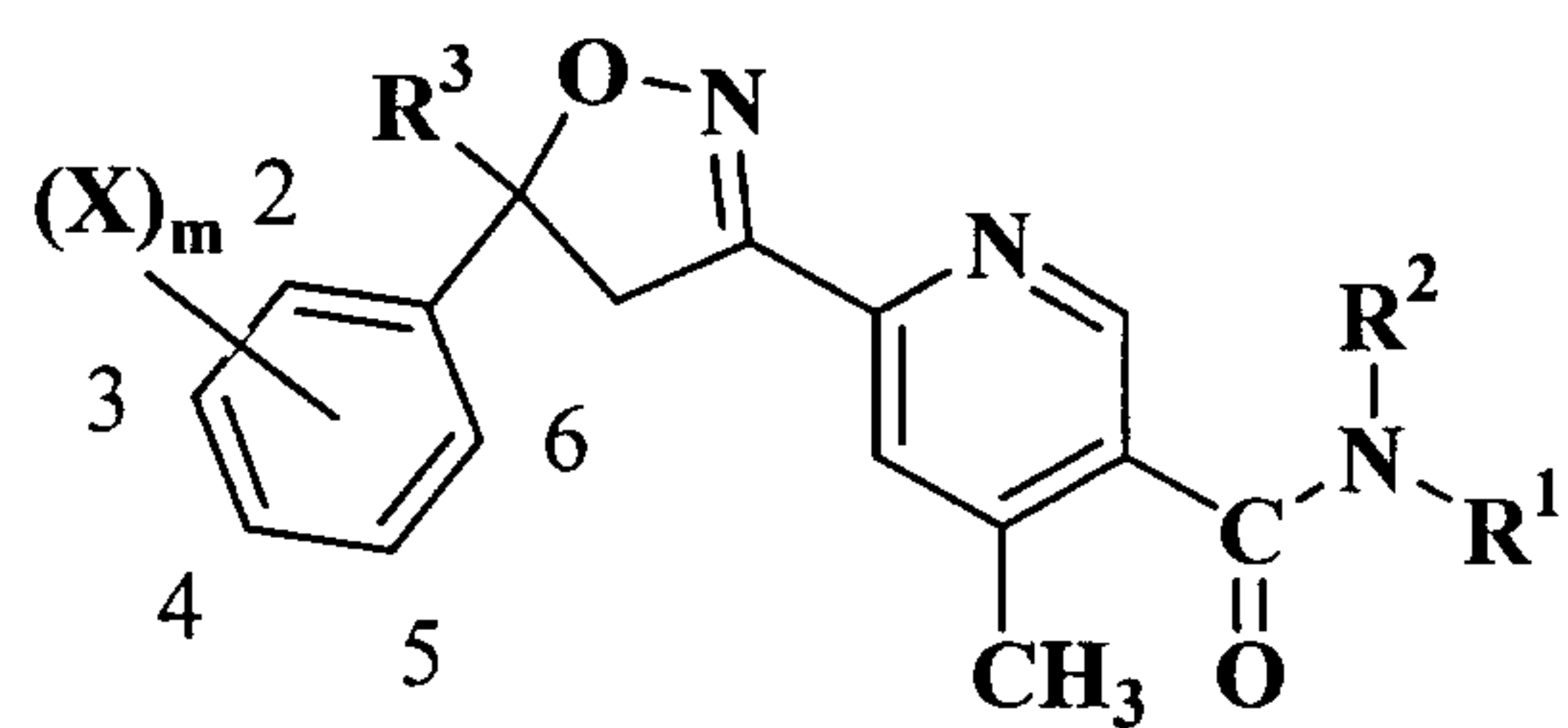
[1] - 49

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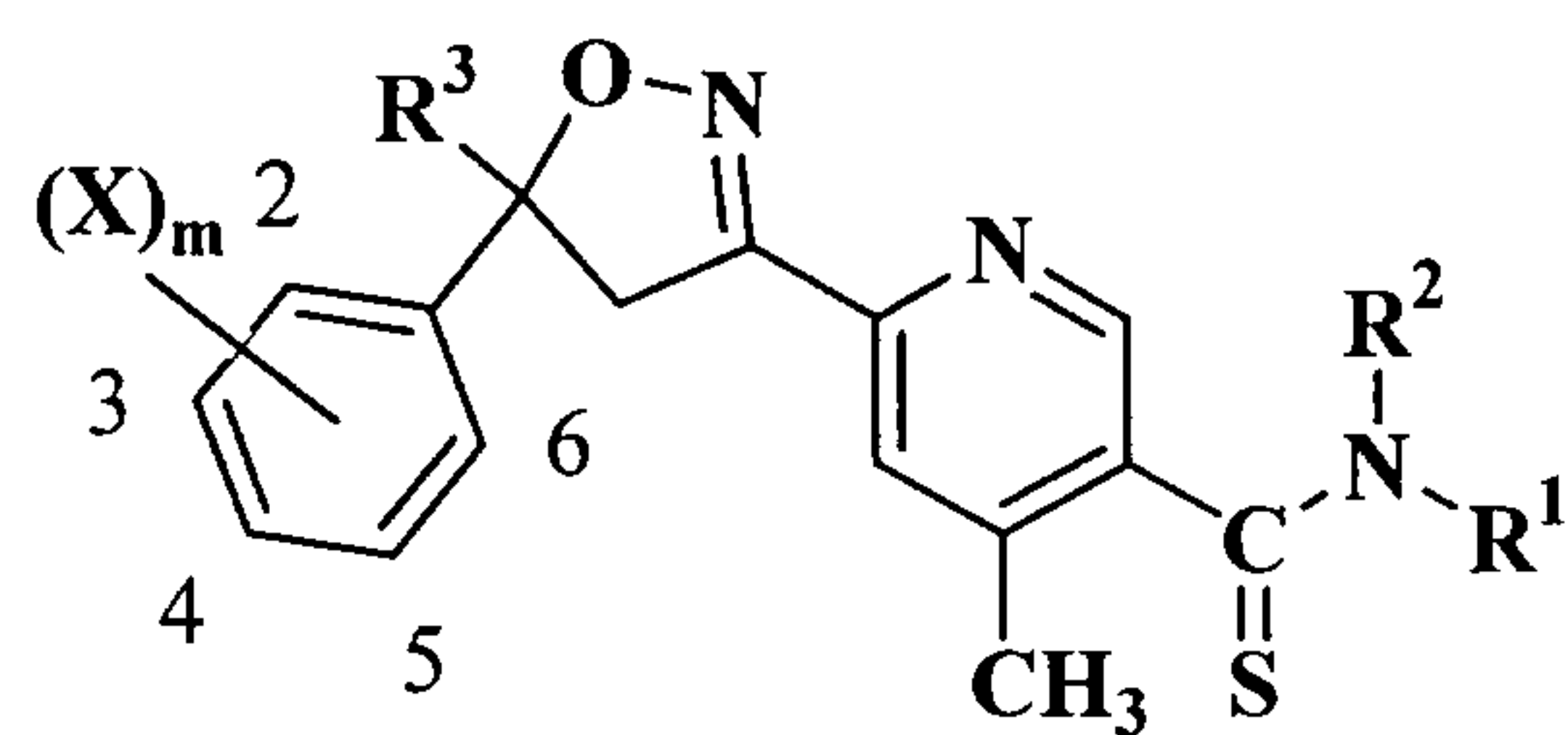
[1] - 50

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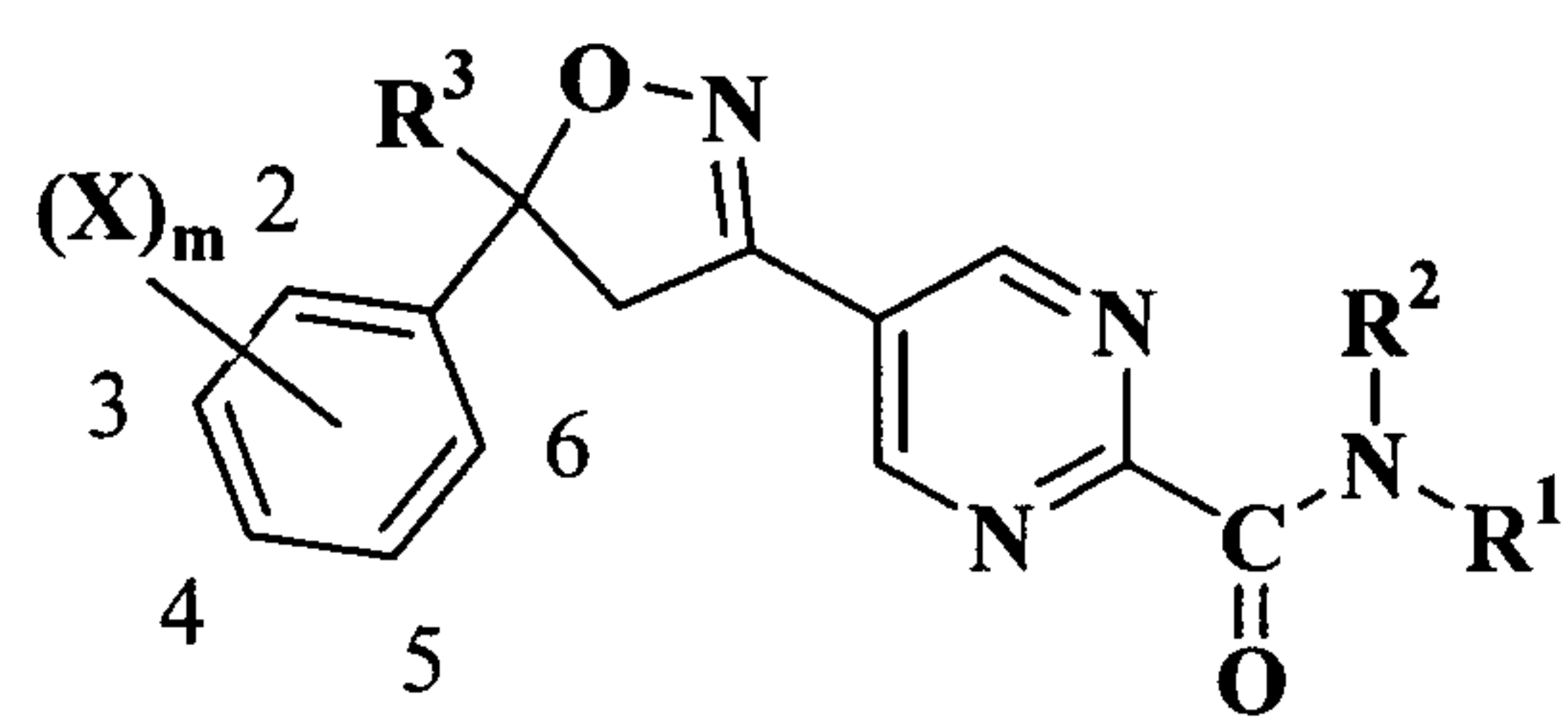
[1] - 51

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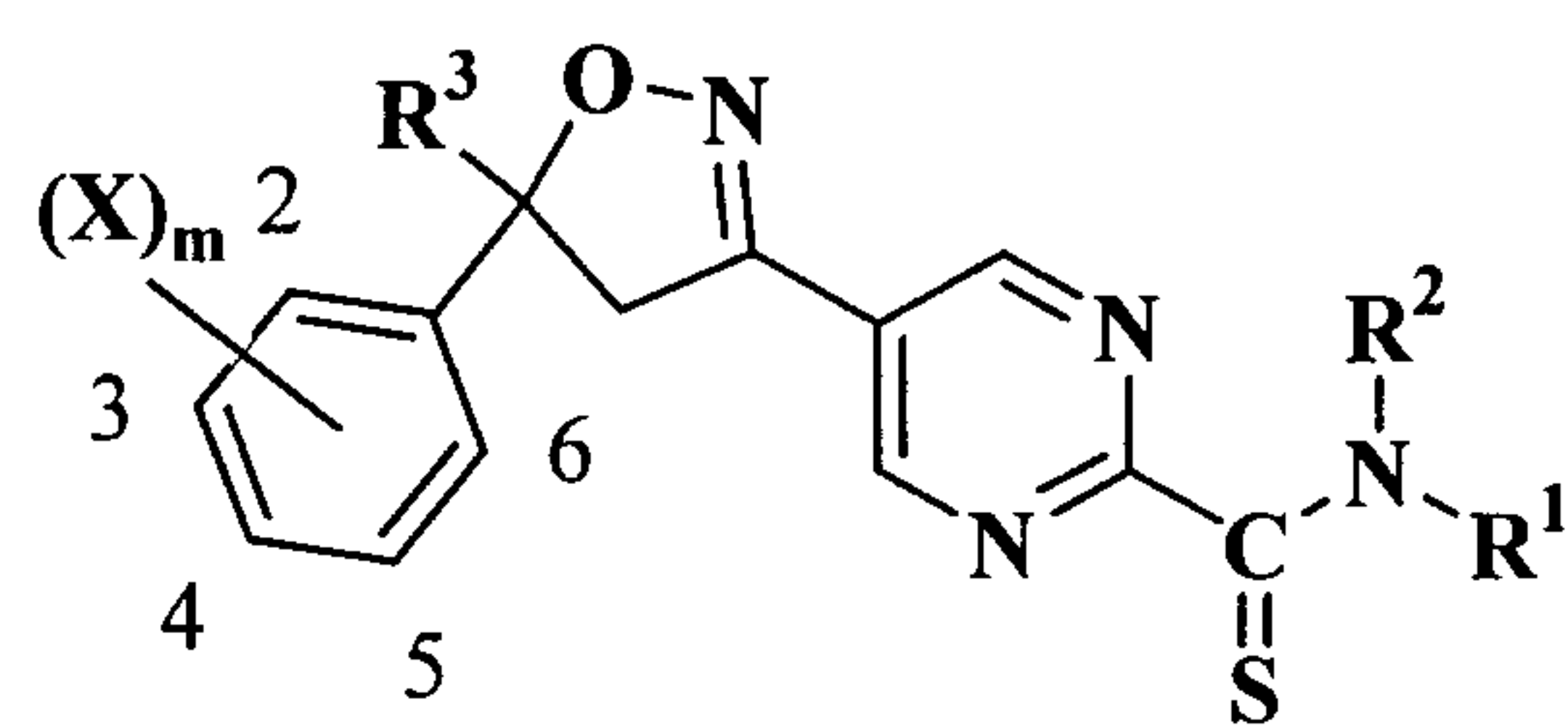
[1] - 52

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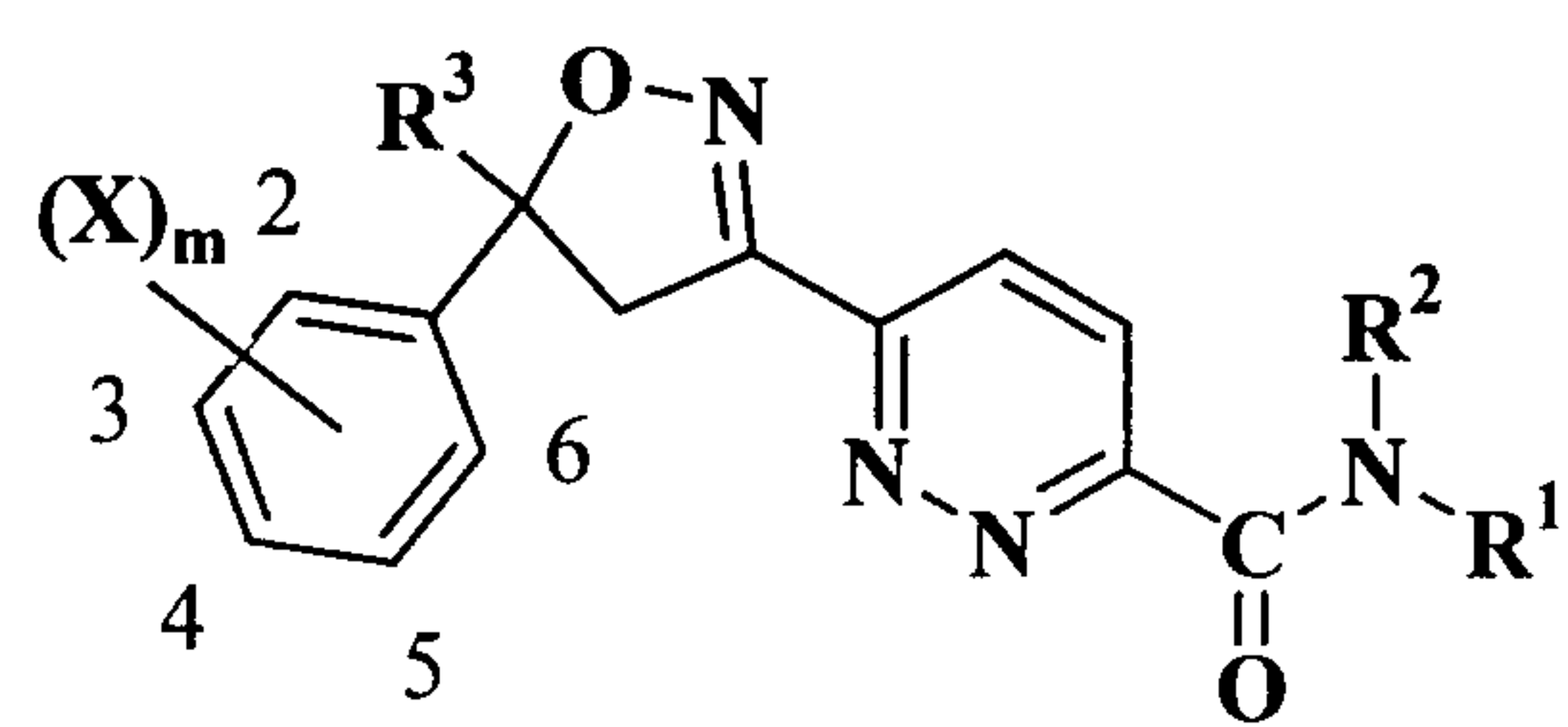
[1] - 53

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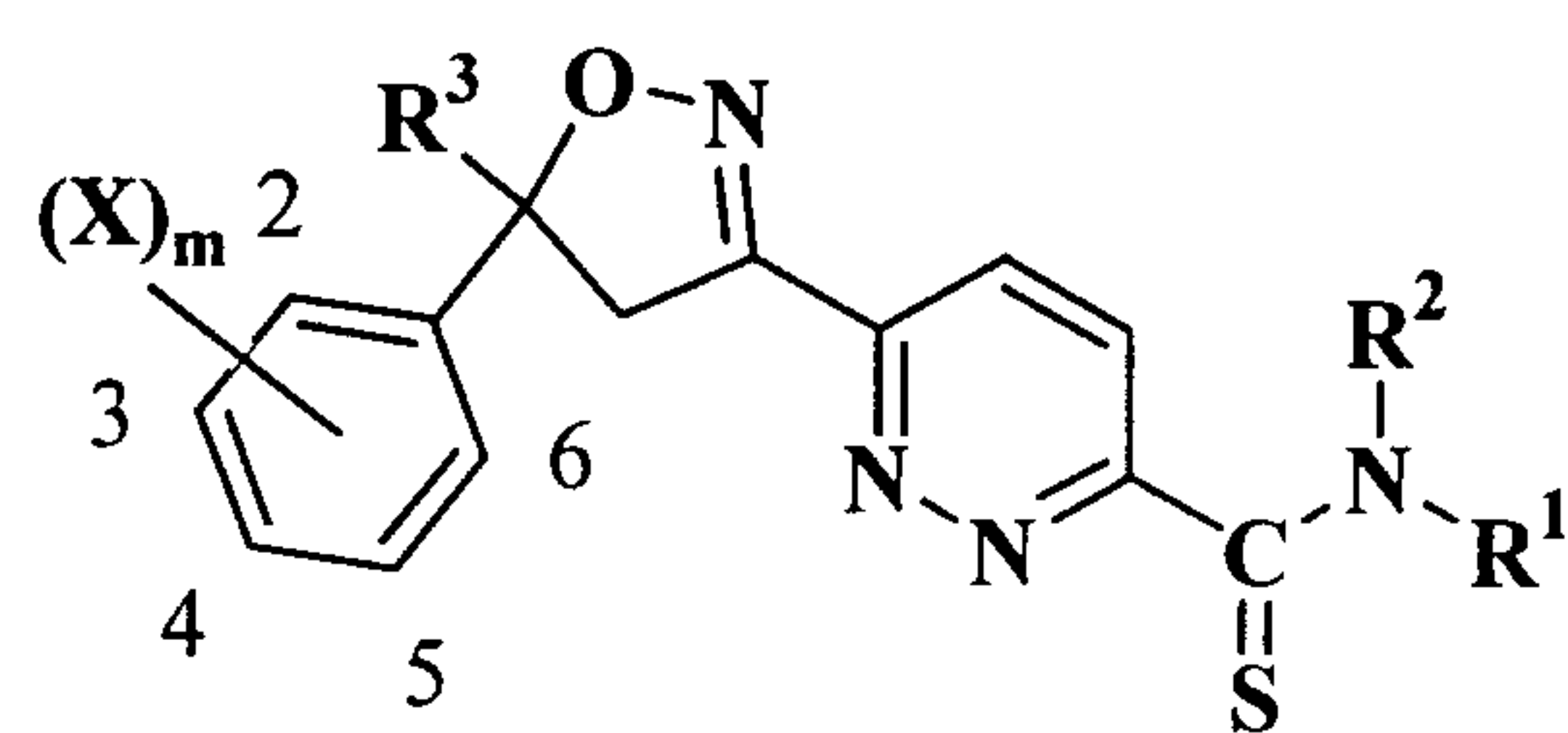
[1] - 54

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[1] - 55

or



[1] - 56

(X) _m	R ³	R ²	R ¹
—	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2-F	CF ₃	H	CH ₂ (D-22a)
3-F	CF ₃	H	CH ₂ CF ₃
3-F	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl

3-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F	CF ₃	H	CH ₂ (D-22a)
3-F	CF ₃	H	CH ₂ (D-47a)
3-F	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-F	CF ₃	C(O)Et	CH ₂ (D-47a)
3-F	CF ₃	H	CH(CH ₃)Ph(R)
3-F	CF ₃	H	N(CH ₃)Ph
3-F	CF ₃	H	N(CH ₃)(D-50a)
4-F	CF ₃	H	CH ₂ (D-47a)
2-Cl	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Cl	CF ₃	H	CH ₂ CF ₃
3-Cl	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl	CF ₃	H	CH ₂ (D-22a)
3-Cl	CF ₃	H	CH ₂ (D-47a)
3-Cl	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl	CF ₃	H	CH(CH ₃)Ph(R)
3-Cl	CF ₃	H	N(CH ₃)Ph
3-Cl	CF ₃	H	N(CH ₃)(D-50a)
4-Cl	CF ₃	H	N(CH ₃)(D-50a)
2-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br	CF ₃	H	CH ₂ Pr-c
3-Br	CF ₃	H	c-Bu
3-Br	CF ₃	H	CH ₂ CF ₃
3-Br	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Br	CF ₃	C(O)Et	CH ₂ CF ₃
3-Br	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Br	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Br	CF ₃	H	CH ₂ (E-10a)
3-Br	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-Br	CF ₃	H	CH ₂ CH=NOCH ₃
3-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br	CF ₃	H	CH(CH ₃)Ph(R)
3-Br	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Br	CF ₃	H	CH ₂ (D-17b)Cl
3-Br	CF ₃	H	CH ₂ (D-21a)
3-Br	CF ₃	H	CH ₂ (D-22a)
3-Br	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Br	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Br	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Br	CF ₃	H	CH ₂ (D-47a)
3-Br	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-Br	CF ₃	CH ₂ CN	CH ₂ (D-47a)

3-Br	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-Br	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Br	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Br	CF ₃	H	N(CH ₃)Ph
3-Br	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-Br	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-Br	CF ₃	H	N(CH ₃)(D-50a)
3-Br	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Br	CF ₃	H	(D-13b)CH ₃
3-Br	CF ₃	H	(D-15a)CH ₃
4-Br	CF ₃	H	CH ₂ (D-22a)
2-I	CF ₃	H	CH ₂ (D-47a)
3-I	CF ₃	H	CH ₂ Pr-c
3-I	CF ₃	H	c-Bu
3-I	CF ₃	H	CH ₂ CF ₃
3-I	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-I	CF ₃	C(O)Et	CH ₂ CF ₃
3-I	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-I	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-I	CF ₃	H	CH ₂ (E-10a)
3-I	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-I	CF ₃	H	CH ₂ CH=NOCH ₃
3-I	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-I	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-I	CF ₃	H	CH(CH ₃)Ph(R)
3-I	CF ₃	H	CH ₂ (D-17a)CH ₃
3-I	CF ₃	H	CH ₂ (D-17b)Cl
3-I	CF ₃	H	CH ₂ (D-21a)
3-I	CF ₃	H	CH ₂ (D-22a)
3-I	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-I	CF ₃	C(O)Et	CH ₂ (D-22a)
3-I	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-I	CF ₃	H	CH ₂ (D-47a)
3-I	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-I	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-I	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-I	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-I	CF ₃	C(O)Et	CH ₂ (D-47a)
3-I	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-I	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-I	CF ₃	H	N(CH ₃)Ph
3-I	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-I	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-I	CF ₃	H	N(CH ₃)(D-50a)

3-I	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-I	CF ₃	H	(D-13b)CH ₃
3-I	CF ₃	H	(D-15a)CH ₃
3-I	CF ₂ Cl	H	CH ₂ CF ₃
3-I	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-I	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-I	CF ₂ Cl	H	CH ₂ (D-22a)
3-I	CF ₂ Cl	H	CH ₂ (D-47a)
3-I	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-47a)
3-I	CF ₂ Cl	H	N(CH ₃)(D-50a)
2-CH ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CH ₃	CF ₃	H	N(CH ₃)(D-50a)
4-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2-Et	CF ₃	H	CH ₂ (D-22a)
3-Et	CF ₃	H	CH ₂ (D-47a)
3-n-Pr	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-i-Pr	CF ₃	H	N(CH ₃)(D-50a)
3-n-Bu	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-i-Bu	CF ₃	H	CH ₂ (D-22a)
3-t-Bu	CF ₃	H	CH ₂ (D-47a)
4-t-Bu	CF ₃	C(O)Et	CH ₂ (D-47a)
2-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₃	CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃	CF ₃	H	Et
3-CF ₃	CF ₃	Et	Et
3-CF ₃	CF ₃	H	CH ₂ Pr-c
3-CF ₃	CF ₃	H	c-Bu
3-CF ₃	CF ₃	H	CH ₂ CF ₃
3-CF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-CF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-CF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-CF ₃	CF ₃	H	CH ₂ CH(OCH ₃) ₂
3-CF ₃	CF ₃	H	CH ₂ (E-4a)
3-CF ₃	CF ₃	H	CH ₂ (E-5a)
3-CF ₃	CF ₃	H	CH ₂ (E-10a)
3-CF ₃	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃
3-CF ₃	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃
3-CF ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-CF ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂
3-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3-CF ₃	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CF ₃

3-CF ₃	CF ₃	H	CH ₂ CH=CH ₂
3-CF ₃	CF ₃	H	CH ₂ CCl=CH ₂
3-CF ₃	CF ₃	H	CH ₂ C≡CH
3-CF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-CF ₃	CF ₃	H	CH(CF ₃)Ph
3-CF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-CF ₃	CF ₃	H	CH ₂ (D-21a)
3-CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CF ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3-CF ₃	CF ₃	H	CH ₂ (D-28a)
3-CF ₃	CF ₃	H	CH ₂ (D-34a)
3-CF ₃	CF ₃	H	CH ₂ (D-35a)
3-CF ₃	CF ₃	H	CH ₂ (D-38a)
3-CF ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3-CF ₃	CF ₃	H	CH(CH ₃)(D-47a)
3-CF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CF ₃	CF ₃	H	CH ₂ (D-50a)
3-CF ₃	CF ₃	H	CH ₂ (D-51a)
3-CF ₃	CF ₃	H	CH ₂ (D-53a)
3-CF ₃	CF ₃	H	N(CH ₃)Ph
3-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3-CF ₃	CF ₃	C(O)Et	N(CH ₃)Ph
3-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-CF ₃	CF ₃	H	N(CH ₃)(D-47a)
3-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3-CF ₃	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-CF ₃	CF ₃	H	NH(D-50a)
3-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3-CF ₃	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-CF ₃	CF ₃	H	(D-13b)CH ₃
3-CF ₃	CF ₃	H	(D-15a)CH ₃
3-CF ₃	CF ₃	H	D-21a

3-CF ₃	CF ₃	H	D-50a
3-CF ₃	CF ₂ Cl	H	CH ₂ CF ₃
3-CF ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃
3-CF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3-CF ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3-CF ₃	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3-CF ₃	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3-CF ₃	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3-CF ₃	CF ₂ Cl	H	N(CH ₃)Ph
3-CF ₃	CF ₂ Cl	H	N(CH ₃)(D-50a)
3-CF ₃	CF ₂ Br	H	CH ₂ CF ₃
3-CF ₃	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃	CF ₂ Br	H	CH ₂ (D-22a)
3-CF ₃	CF ₂ Br	H	CH ₂ (D-47a)
3-CF ₃	CF ₂ CHF ₂	H	CH ₂ CF ₃
3-CF ₃	CF ₂ CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃	CF ₂ CHF ₂	H	CH ₂ (D-22a)
3-CF ₃	CF ₂ CHF ₂	H	CH ₂ (D-47a)
4-CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₂ CF ₃	CF ₃	H	Et
3-CF ₂ CF ₃	CF ₃	Et	Et
3-CF ₂ CF ₃	CF ₃	H	CH ₂ Pr-c
3-CF ₂ CF ₃	CF ₃	H	c-Bu
3-CF ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-CF ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-CF ₂ CF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-CF ₂ CF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-CF ₂ CF ₃	CF ₃	H	CH ₂ CH(OCH ₃) ₂
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (E-4a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (E-5a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (E-10a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃
3-CF ₂ CF ₃	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃
3-CF ₂ CF ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-CF ₂ CF ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3-CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3-CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂
3-CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3-CF ₂ CF ₃	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CF ₃
3-CF ₂ CF ₃	CF ₃	H	CH ₂ CH=CH ₂
3-CF ₂ CF ₃	CF ₃	H	CH ₂ CCl=CH ₂

3-CF ₂ CF ₃	CF ₃	H	CH ₂ C≡CH
3-CF ₂ CF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-CF ₂ CF ₃	CF ₃	H	CH(CF ₃)Ph
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-21a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CF ₂ CF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CF ₂ CF ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-28a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-34a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-35a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-38a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₂ CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-CF ₂ CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CF ₂ CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-CF ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF ₂ CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₂ CF ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3-CF ₂ CF ₃	CF ₃	H	CH(CH ₃)(D-47a)
3-CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-50a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-51a)
3-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-53a)
3-CF ₂ CF ₃	CF ₃	H	N(CH ₃)Ph
3-CF ₂ CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3-CF ₂ CF ₃	CF ₃	C(O)Et	N(CH ₃)Ph
3-CF ₂ CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-CF ₂ CF ₃	CF ₃	H	N(CH ₃)(D-47a)
3-CF ₂ CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3-CF ₂ CF ₃	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3-CF ₂ CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-CF ₂ CF ₃	CF ₃	H	NH(D-50a)
3-CF ₂ CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₂ CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3-CF ₂ CF ₃	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3-CF ₂ CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-CF ₂ CF ₃	CF ₃	H	(D-13b)CH ₃
3-CF ₂ CF ₃	CF ₃	H	(D-15a)CH ₃
3-CF ₂ CF ₃	CF ₃	H	D-21a
3-CF ₂ CF ₃	CF ₃	H	D-50a
3-CF ₂ CF ₃	CF ₂ Cl	H	CH ₂ CF ₃

3-CF ₂ CF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₂ CF ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3-CF ₂ CF ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ Pr-c
3-CF ₂ CF ₂ CF ₃	CF ₃	H	c-Bu
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (E-10a)
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-21a)
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CF ₂ CF ₂ CF ₃	CF ₃	H	N(CH ₃)Ph
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-CF ₂ CF ₂ CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-CF ₂ CF ₂ CF ₃	CF ₃	H	(D-13b)CH ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	H	(D-15a)CH ₃
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ Pr-c
3-CF(CF ₃) ₂	CF ₃	H	c-Bu
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ CF ₃
3-CF(CF ₃) ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-CF(CF ₃) ₂	CF ₃	C(O)Et	CH ₂ CF ₃
3-CF(CF ₃) ₂	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ (E-10a)

3-CF(CF ₃) ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ CH=NOCH ₃
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF(CF ₃) ₂	CF ₃	H	CH(CH ₃)Ph(R)
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-17b)Cl
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-21a)
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-22a)
3-CF(CF ₃) ₂	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CF(CF ₃) ₂	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CF(CF ₃) ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-47a)
3-CF(CF ₃) ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-CF(CF ₃) ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CF(CF ₃) ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-CF(CF ₃) ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF(CF ₃) ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF(CF ₃) ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF(CF ₃) ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CF(CF ₃) ₂	CF ₃	H	N(CH ₃)Ph
3-CF(CF ₃) ₂	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-CF(CF ₃) ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-CF(CF ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
3-CF(CF ₃) ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-CF(CF ₃) ₂	CF ₃	H	(D-13b)CH ₃
3-CF(CF ₃) ₂	CF ₃	H	(D-15a)CH ₃
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	c-Bu
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (E-10a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)

3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	N(CH ₃)Ph
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-CH ₂ OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-CH ₂ OCH ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-C(CF ₃) ₂ OH	CF ₃	H	c-Bu
3-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ CF ₃
3-C(CF ₃) ₂ OH	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-C(CF ₃) ₂ OH	CF ₃	C(O)Et	CH ₂ CF ₃
3-C(CF ₃) ₂ OH	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (E-10a)
3-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-C(CF ₃) ₂ OH	CF ₃	H	CH(CH ₃)Ph(R)
3-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (D-17a)CH ₃
3-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (D-17b)Cl
3-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (D-22a)
3-C(CF ₃) ₂ OH	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-C(CF ₃) ₂ OH	CF ₃	C(O)Et	CH ₂ (D-22a)
3-C(CF ₃) ₂ OH	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (D-47a)
3-C(CF ₃) ₂ OH	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-C(CF ₃) ₂ OH	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-C(CF ₃) ₂ OH	CF ₃	C(O)Et	CH ₂ (D-47a)
3-C(CF ₃) ₂ OH	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-C(CF ₃) ₂ OH	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-C(CF ₃) ₂ OH	CF ₃	H	N(CH ₃)Ph
3-C(CF ₃) ₂ OH	CF ₃	H	N(CH ₃)(D-50a)
3-C(CF ₃) ₂ OH	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	c-Bu
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ CF ₃
3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (E-10a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (D-22a)

3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	N(CH ₃)Ph
3-C(CF ₃) ₂ OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-C(CF ₃) ₂ OCH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-CH ₂ SCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₂ S(O)CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₂ SO ₂ CH ₃	CF ₃	H	CH ₂ (D-22a)
3-CH ₂ SEt	CF ₃	H	CH ₂ (D-47a)
3-CH ₂ S(O)Et	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CH ₂ SO ₂ Et	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₂ SPr-n	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₂ SO ₂ Pr-n	CF ₃	H	CH ₂ (D-22a)
3-CH ₂ SPr-i	CF ₃	H	CH ₂ (D-47a)
3-CH ₂ SO ₂ Pr-i	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CH ₂ SPr-c	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₂ SO ₂ Pr-c	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₂ SBu-n	CF ₃	H	CH ₂ (D-22a)
3-CH ₂ SO ₂ Bu-n	CF ₃	H	CH ₂ (D-47a)
3-CH ₂ SCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CH ₂ S(O)CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₂ SO ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₂ SCH ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-(T-3)	CF ₃	H	CH ₂ CF ₃
3-(T-3)	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-(T-3)	CF ₃	H	CH ₂ (D-22a)
3-(T-3)	CF ₃	H	CH ₂ (D-47a)
3-(T-4)	CF ₃	H	CH ₂ CF ₃
3-(T-4)	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-(T-4)	CF ₃	H	CH ₂ (D-22a)
3-(T-4)	CF ₃	H	CH ₂ (D-47a)
3-(T-5)	CF ₃	H	CH ₂ CF ₃
3-(T-5)	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-(T-5)	CF ₃	H	CH ₂ (D-22a)
3-(T-5)	CF ₃	H	CH ₂ (D-47a)
2-OH	CF ₃	H	CH ₂ (D-47a)
3-OH	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
4-OH	CF ₃	H	N(CH ₃)(D-50a)
2-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃

3-OCH ₃	CF ₃	H	CH ₂ (D-22a)
4-OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-OEt	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-OPr-n	CF ₃	H	N(CH ₃)(D-50a)
3-OPr-i	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OBu-n	CF ₃	H	CH ₂ (D-22a)
3-OBu-t	CF ₃	H	CH ₂ (D-47a)
2-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-OCHF ₂	CF ₃	H	N(CH ₃)(D-50a)
4-OCHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2-OCF ₃	CF ₃	H	CH ₂ (D-22a)
3-OCF ₃	CF ₃	H	CH ₂ CF ₃
3-OCF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-OCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-OCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₃	CF ₃	H	CH ₂ (D-22a)
3-OCF ₃	CF ₃	H	CH ₂ (D-47a)
3-OCF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-OCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-OCF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-OCF ₃	CF ₃	H	N(CH ₃)Ph
3-OCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-OCF ₃	CF ₂ Cl	H	CH ₂ CF ₃
3-OCF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3-OCF ₃	CF ₂ Cl	H	CH ₂ (D-47a)
4-OCF ₃	CF ₃	H	CH ₂ (D-47a)
3-OCF ₂ Br	CF ₃	H	CH ₂ CF ₃
3-OCF ₂ Br	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-OCF ₂ Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-OCF ₂ Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₂ Br	CF ₃	H	CH ₂ (D-22a)
3-OCF ₂ Br	CF ₃	H	CH ₂ (D-47a)
3-OCF ₂ Br	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-OCF ₂ Br	CF ₃	C(O)Et	CH ₂ (D-47a)
3-OCF ₂ Br	CF ₃	H	CH(CH ₃)Ph(R)
3-OCF ₂ Br	CF ₃	H	N(CH ₃)Ph
3-OCF ₂ Br	CF ₃	H	N(CH ₃)(D-50a)
3-OCH ₂ CH ₂ Cl	CF ₃	H	CH ₂ (D-47a)
3-OCH ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-OCF ₂ CHF ₂	CF ₃	H	CH ₂ CF ₃
3-OCF ₂ CHF ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-OCF ₂ CHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-OCF ₂ CHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₂ CHF ₂	CF ₃	H	CH ₂ (D-22a)
3-OCF ₂ CHF ₂	CF ₃	H	CH ₂ (D-47a)

3-OCF ₂ CHF ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-OCF ₂ CHF ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3-OCF ₂ CHF ₂	CF ₃	H	CH(CH ₃)Ph(R)
3-OCF ₂ CHF ₂	CF ₃	H	N(CH ₃)Ph
3-OCF ₂ CHF ₂	CF ₃	H	N(CH ₃)(D-50a)
3-OCF ₂ CHFCI	CF ₃	H	CH ₂ CF ₃
3-OCF ₂ CHFCI	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-OCF ₂ CHFCI	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-OCF ₂ CHFCI	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₂ CHFCI	CF ₃	H	CH ₂ (D-22a)
3-OCF ₂ CHFCI	CF ₃	H	CH ₂ (D-47a)
3-OCF ₂ CHFCI	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-OCF ₂ CHFCI	CF ₃	C(O)Et	CH ₂ (D-47a)
3-OCF ₂ CHFCI	CF ₃	H	CH(CH ₃)Ph(R)
3-OCF ₂ CHFCI	CF ₃	H	N(CH ₃)Ph
3-OCF ₂ CHFCI	CF ₃	H	N(CH ₃)(D-50a)
3-OCF ₂ CHFCI	CF ₃	H	N(CH ₃)(D-50a)
3-OCF ₂ CHFBBr	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₂ CF ₂ Br	CF ₃	H	CH ₂ (D-22a)
3-OCF ₂ CFCl ₂	CF ₃	H	CH ₂ (D-22a)
3-OCF ₂ CCl ₃	CF ₃	H	CH ₂ (D-47a)
3-OCH ₂ CF ₂ CHF ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3-OCF ₂ CHFCF ₃	CF ₃	H	CH ₂ CF ₃
3-OCF ₂ CHFCF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-OCF ₂ CHFCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-OCF ₂ CHFCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₂ CHFCF ₃	CF ₃	H	CH ₂ (D-22a)
3-OCF ₂ CHFCF ₃	CF ₃	H	CH ₂ (D-47a)
3-OCF ₂ CHFCF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-OCF ₂ CHFCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-OCF ₂ CHFCF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-OCF ₂ CHFCF ₃	CF ₃	H	N(CH ₃)Ph
3-OCF ₂ CHFCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-OCF ₂ CHFCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-OCH(CF ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
3-OCF ₂ CFBrCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₂ CHFOCF ₃	CF ₃	H	CH ₂ CF ₃
3-OCF ₂ CHFOCF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-OCF ₂ CHFOCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-OCF ₂ CHFOCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₂ CHFOCF ₃	CF ₃	H	CH ₂ (D-22a)
3-OCF ₂ CHFOCF ₃	CF ₃	H	CH ₂ (D-47a)
3-OCF ₂ CHFOCF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-OCF ₂ CHFOCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-OCF ₂ CHFOCF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-OCF ₂ CHFOCF ₃	CF ₃	H	N(CH ₃)Ph
3-OCF ₂ CHFOCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-OCF ₂ CHFOCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-OCF ₂ CHFOCF ₃	CF ₃	H	CH ₂ CF ₃
3-OCF ₂ CHFOCF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ CF ₃

3-OCF ₂ CHFOCF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₂ CHFOCF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-OCF ₂ CHFOCF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-OCH ₂ CH=CH ₂	CF ₃	H	CH ₂ (D-22a)
3-OCH ₂ CH=CF ₂	CF ₃	H	CH ₂ (D-47a)
3-OCH ₂ CF=CF ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3-OCH ₂ CH=CCl ₂	CF ₃	H	N(CH ₃)(D-50a)
3-OCH ₂ CCl=CCl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2-OCH ₂ Ph	CF ₃	H	CH ₂ (D-22a)
3-OCH ₂ Ph	CF ₃	H	CH ₂ (D-47a)
4-OCH ₂ Ph	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-OSO ₂ CH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-OSO ₂ Et	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OSO ₂ Pr-n	CF ₃	H	CH ₂ (D-22a)
3-OSO ₂ Pr-i	CF ₃	H	CH ₂ (D-47a)
3-OSO ₂ Pr-c	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-OSO ₂ Bu-n	CF ₃	H	N(CH ₃)(D-50a)
3-OSO ₂ CHCl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OSO ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-OSO ₂ CH ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
2-OPh	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-OPh	CF ₃	H	N(CH ₃)(D-50a)
4-OPh	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-O(Ph-2-Cl)	CF ₃	H	CH ₂ (D-22a)
3-O(Ph-3-Cl)	CF ₃	H	CH ₂ (D-47a)
3-O(Ph-4-Cl)	CF ₃	C(O)Et	CH ₂ (D-47a)
3-O(Ph-4-Br)	CF ₃	H	N(CH ₃)(D-50a)
3-O(Ph-2-CF ₃)	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-O(Ph-3-CF ₃)	CF ₃	H	CH ₂ (D-22a)
3-O(Ph-4-CF ₃)	CF ₃	H	CH ₂ (D-47a)
3-O(Ph-2-Cl-4-CF ₃)	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-O(D-21c)Br	CF ₃	H	N(CH ₃)(D-50a)
3-O(D-21c)CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-O(D-47d)Br	CF ₃	H	CH ₂ (D-22a)
3-O(D-47d)CF ₃	CF ₃	H	CH ₂ (D-47a)
2-O(D-47f)	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-O(D-47f)	CF ₃	H	N(CH ₃)(D-50a)
3-O(D-50c)Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2-SCH ₃	CF ₃	H	CH ₂ (D-22a)
3-SCH ₃	CF ₃	H	CH ₂ (D-47a)
4-SCH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
2-S(O)CH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-S(O)CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
4-S(O)CH ₃	CF ₃	H	CH ₂ (D-22a)
2-SO ₂ CH ₃	CF ₃	H	CH ₂ (D-47a)
3-SO ₂ CH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)

4-SO ₂ CH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-SEt	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-S(O)Et	CF ₃	H	CH ₂ (D-22a)
3-SO ₂ Et	CF ₃	H	CH ₂ (D-47a)
3-SPr-n	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-S(O)Pr-n	CF ₃	H	N(CH ₃)(D-50a)
3-SO ₂ Pr-n	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SPr-i	CF ₃	H	CH ₂ (D-22a)
3-S(O)Pr-i	CF ₃	H	CH ₂ (D-47a)
3-SO ₂ Pr-i	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-SBu-n	CF ₃	H	N(CH ₃)(D-50a)
3-S(O)Bu-n	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SO ₂ Bu-n	CF ₃	H	CH ₂ (D-22a)
2-SBu-t	CF ₃	H	CH ₂ (D-47a)
3-SBu-t	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-S(O)Bu-t	CF ₃	H	N(CH ₃)(D-50a)
3-SO ₂ Bu-t	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SCH ₂ F	CF ₃	H	CH ₂ (D-22a)
3-S(O)CH ₂ F	CF ₃	H	CH ₂ (D-47a)
3-SO ₂ CH ₂ F	CF ₃	C(O)Et	CH ₂ (D-47a)
2-SCHF ₂	CF ₃	H	N(CH ₃)(D-50a)
2-S(O)CHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2-SO ₂ CHF ₂	CF ₃	H	CH ₂ (D-22a)
3-SCHF ₂	CF ₃	H	CH ₂ (D-47a)
3-S(O)CHF ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-SO ₂ CHF ₂	CF ₃	H	N(CH ₃)(D-50a)
4-SCHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
4-S(O)CHF ₂	CF ₃	H	CH ₂ (D-22a)
4-SO ₂ CHF ₂	CF ₃	H	CH ₂ (D-47a)
2-SCF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
2-S(O)CF ₃	CF ₃	H	N(CH ₃)(D-50a)
2-SO ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SCF ₃	CF ₃	H	CH ₂ CF ₃
3-SCF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-SCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-SCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SCF ₃	CF ₃	H	CH ₂ (D-22a)
3-SCF ₃	CF ₃	H	CH ₂ (D-47a)
3-SCF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-SCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-SCF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-SCF ₃	CF ₃	H	N(CH ₃)Ph
3-SCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-SCF ₃	CF ₂ Cl	H	CH ₂ CF ₃
3-SCF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SCF ₃	CF ₂ Cl	H	CH ₂ (D-22a)

3-SCF ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3-S(O)CF ₃	CF ₃	H	CH ₂ CF ₃
3-S(O)CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-S(O)CF ₃	CF ₃	H	CH ₂ (D-22a)
3-S(O)CF ₃	CF ₃	H	CH ₂ (D-47a)
3-SO ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-SO ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SO ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-SO ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
4-SCF ₃	CF ₃	H	CH ₂ (D-22a)
4-S(O)CF ₃	CF ₃	H	CH ₂ (D-47a)
4-SO ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-SCF ₂ Cl	CF ₃	H	CH ₂ CF ₃
3-SCF ₂ Cl	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-SCF ₂ Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-SCF ₂ Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SCF ₂ Cl	CF ₃	H	CH ₂ (D-22a)
3-SCF ₂ Cl	CF ₃	H	CH ₂ (D-47a)
3-SCF ₂ Cl	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-SCF ₂ Cl	CF ₃	C(O)Et	CH ₂ (D-47a)
3-SCF ₂ Cl	CF ₃	H	CH(CH ₃)Ph(R)
3-SCF ₂ Cl	CF ₃	H	N(CH ₃)Ph
3-SCF ₂ Cl	CF ₃	H	N(CH ₃)(D-50a)
3-SCF ₂ Cl	CF ₂ Cl	H	CH ₂ CF ₃
3-SCF ₂ Cl	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SCF ₂ Cl	CF ₂ Cl	H	CH ₂ (D-22a)
3-SCF ₂ Cl	CF ₂ Cl	H	CH ₂ (D-47a)
3-S(O)CF ₂ Cl	CF ₃	H	N(CH ₃)(D-50a)
3-SO ₂ CF ₂ Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SCF ₂ Br	CF ₃	H	CH ₂ CF ₃
3-SCF ₂ Br	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-SCF ₂ Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-SCF ₂ Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SCF ₂ Br	CF ₃	H	CH ₂ (D-22a)
3-SCF ₂ Br	CF ₃	H	CH ₂ (D-47a)
3-SCF ₂ Br	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-SCF ₂ Br	CF ₃	C(O)Et	CH ₂ (D-47a)
3-SCF ₂ Br	CF ₃	H	CH(CH ₃)Ph(R)
3-SCF ₂ Br	CF ₃	H	N(CH ₃)Ph
3-SCF ₂ Br	CF ₃	H	N(CH ₃)(D-50a)
3-S(O)CF ₂ Br	CF ₃	H	CH ₂ (D-22a)
3-SO ₂ CF ₂ Br	CF ₃	H	CH ₂ (D-47a)
3-SO ₂ NHCH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-SO ₂ N(CH ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
3-S(Ph-4-Cl)	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-S(Ph-4-Br)	CF ₃	H	CH ₂ (D-22a)

3-S(Ph-4-CF ₃)	CF ₃	H	CH ₂ (D-47a)
3-S(D-21c)Br	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-S(D-21c)CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-S(D-47d)Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-S(D-47d)CF ₃	CF ₃	H	CH ₂ (D-22a)
3-S(D-47f)	CF ₃	H	CH ₂ (D-47a)
3-S(D-50c)Br	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-SF ₅	CHF ₂	H	N(CH ₃)(D-50a)
3-SF ₅	CF ₃	H	Et
3-SF ₅	CF ₃	Et	Et
3-SF ₅	CF ₃	H	CH ₂ Pr-c
3-SF ₅	CF ₃	H	c-Bu
3-SF ₅	CF ₃	H	CH ₂ CF ₃
3-SF ₅	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-SF ₅	CF ₃	C(O)Et	CH ₂ CF ₃
3-SF ₅	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-SF ₅	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-SF ₅	CF ₃	H	CH ₂ CH(OCH ₃) ₂
3-SF ₅	CF ₃	H	CH ₂ (E-4a)
3-SF ₅	CF ₃	H	CH ₂ (E-5a)
3-SF ₅	CF ₃	H	CH ₂ (E-10a)
3-SF ₅	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃
3-SF ₅	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃
3-SF ₅	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-SF ₅	CF ₃	H	CH ₂ CH=NOCH ₃
3-SF ₅	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3-SF ₅	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-SF ₅	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SF ₅	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂
3-SF ₅	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3-SF ₅	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CF ₃
3-SF ₅	CF ₃	H	CH ₂ CH=CH ₂
3-SF ₅	CF ₃	H	CH ₂ CCl=CH ₂
3-SF ₅	CF ₃	H	CH ₂ C≡CH
3-SF ₅	CF ₃	H	CH(CH ₃)Ph(R)
3-SF ₅	CF ₃	H	CH(CF ₃)Ph
3-SF ₅	CF ₃	H	CH ₂ (D-17a)CH ₃
3-SF ₅	CF ₃	H	CH ₂ (D-17b)Cl
3-SF ₅	CF ₃	H	CH ₂ (D-21a)
3-SF ₅	CF ₃	H	CH ₂ (D-22a)
3-SF ₅	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-SF ₅	CF ₃	C(O)Et	CH ₂ (D-22a)
3-SF ₅	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-SF ₅	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3-SF ₅	CF ₃	H	CH ₂ (D-28a)
3-SF ₅	CF ₃	H	CH ₂ (D-34a)

3-SF ₅	CF ₃	H	CH ₂ (D-35a)
3-SF ₅	CF ₃	H	CH ₂ (D-38a)
3-SF ₅	CF ₃	H	CH ₂ (D-47a)
3-SF ₅	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-SF ₅	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-SF ₅	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-SF ₅	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-SF ₅	CF ₃	C(O)Et	CH ₂ (D-47a)
3-SF ₅	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-SF ₅	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3-SF ₅	CF ₃	H	CH(CH ₃)(D-47a)
3-SF ₅	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-SF ₅	CF ₃	H	CH ₂ (D-50a)
3-SF ₅	CF ₃	H	CH ₂ (D-51a)
3-SF ₅	CF ₃	H	CH ₂ (D-53a)
3-SF ₅	CF ₃	H	N(CH ₃)Ph
3-SF ₅	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3-SF ₅	CF ₃	C(O)Et	N(CH ₃)Ph
3-SF ₅	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-SF ₅	CF ₃	H	N(CH ₃)(D-47a)
3-SF ₅	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3-SF ₅	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3-SF ₅	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-SF ₅	CF ₃	H	NH(D-50a)
3-SF ₅	CF ₃	H	N(CH ₃)(D-50a)
3-SF ₅	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3-SF ₅	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3-SF ₅	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-SF ₅	CF ₃	H	(D-13b)CH ₃
3-SF ₅	CF ₃	H	(D-15a)CH ₃
3-SF ₅	CF ₃	H	D-21a
3-SF ₅	CF ₃	H	D-50a
3-SF ₅	CF ₂ Cl	H	CH ₂ CF ₃
3-SF ₅	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃
3-SF ₅	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-SF ₅	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SF ₅	CF ₂ Cl	H	CH ₂ (D-22a)
3-SF ₅	CF ₂ Cl	H	CH ₂ (D-47a)
3-SF ₅	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3-SF ₅	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3-SF ₅	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3-SF ₅	CF ₂ Cl	H	N(CH ₃)Ph
3-SF ₅	CF ₂ Cl	H	N(CH ₃)(D-50a)
3-SF ₅	CF ₂ Br	H	CH ₂ CF ₃
3-SF ₅	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SF ₅	CF ₂ Br	H	CH ₂ (D-22a)

3-SF ₅	CF ₂ Br	H	CH ₂ (D-47a)
3-SF ₅	CF ₂ CHF ₂	H	CH ₂ CF ₃
3-SF ₅	CF ₂ CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3-SF ₅	CF ₂ CHF ₂	H	CH ₂ (D-22a)
3-SF ₅	CF ₂ CHF ₂	H	CH ₂ (D-47a)
3-NHC(O)CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
4-NHC(O)CH ₃	CF ₃	H	CH ₂ (D-22a)
3-NHC(O)CF ₃	CF ₃	H	CH ₂ (D-47a)
3-NHSO ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-N(CH ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
3-N(Et) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-N(CH ₃)C(O)CF ₃	CF ₃	H	CH ₂ (D-22a)
3-N(Et)C(O)CF ₃	CF ₃	H	CH ₂ (D-47a)
3-N(CH ₃)C(O)CF ₂ Cl	CF ₃	C(O)Et	CH ₂ (D-47a)
3-N(Et)C(O)CF ₂ Cl	CF ₃	H	N(CH ₃)(D-50a)
3-N(CH ₃)C(O)CF ₂ Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-N(Et)C(O)CF ₂ Br	CF ₃	H	CH ₂ (D-22a)
3-N(CH ₃)SO ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-N(Et)SO ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-(T-28)	CF ₃	H	N(CH ₃)(D-50a)
3-NO ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Si(CH ₃) ₃	CF ₃	H	CH ₂ (D-22a)
2-CN	CF ₃	H	CH ₂ (D-47a)
3-CN	CF ₃	CH ₂ CN	CH ₂ (D-47a)
4-CN	CF ₃	H	N(CH ₃)(D-50a)
3-C(O)CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
4-C(O)CH ₃	CF ₃	H	CH ₂ (D-22a)
3-C(O)OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-C(O)OEt	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-C(O)NH ₂	CF ₃	H	N(CH ₃)(D-50a)
3-C(O)NHCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-C(O)NHEt	CF ₃	H	CH ₂ (D-22a)
3-C(O)N(CH ₃) ₂	CF ₃	H	CH ₂ (D-47a)
3-C(S)NH ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Ph	CF ₃	H	N(CH ₃)(D-50a)
4-Ph	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-(D-5a)	CF ₃	H	CH ₂ (D-22a)
3-(D-14a)	CF ₃	H	CH ₂ (D-47a)
3-(D-24a)	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-(D-38a)	CF ₃	H	N(CH ₃)(D-50a)
2,3-F ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2,4-F ₂	CF ₃	H	CH ₂ (D-22a)
2,5-F ₂	CF ₃	H	CH ₂ (D-47a)
2,6-F ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,4-F ₂	CF ₃	H	CH ₂ CF ₃
3,4-F ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃

3,4-F ₂	CF ₃	H	CH ₂ (D-22a)
3,4-F ₂	CF ₃	H	CH ₂ (D-47a)
3,5-F ₂	CF ₃	H	CH ₂ CF ₃
3,5-F ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,5-F ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-F ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-F ₂	CF ₃	H	CH ₂ (D-22a)
3,5-F ₂	CF ₃	H	CH ₂ (D-47a)
3,5-F ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-F ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-F ₂	CF ₃	H	CH(CH ₃)Ph(R)
3,5-F ₂	CF ₃	H	N(CH ₃)Ph
3,5-F ₂	CF ₃	H	N(CH ₃)(D-50a)
2-Cl-4-F	CF ₃	H	N(CH ₃)(D-50a)
2-F-3-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-4-F	CF ₃	H	CH ₂ Pr-c
3-Cl-4-F	CF ₃	H	c-Bu
3-Cl-4-F	CF ₃	H	CH ₂ CF ₃
3-Cl-4-F	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Cl-4-F	CF ₃	C(O)Et	CH ₂ CF ₃
3-Cl-4-F	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Cl-4-F	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Cl-4-F	CF ₃	H	CH ₂ (E-10a)
3-Cl-4-F	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-Cl-4-F	CF ₃	H	CH ₂ CH=NOCH ₃
3-Cl-4-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-4-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-4-F	CF ₃	H	CH(CH ₃)Ph(R)
3-Cl-4-F	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Cl-4-F	CF ₃	H	CH ₂ (D-17b)Cl
3-Cl-4-F	CF ₃	H	CH ₂ (D-21a)
3-Cl-4-F	CF ₃	H	CH ₂ (D-22a)
3-Cl-4-F	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Cl-4-F	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Cl-4-F	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Cl-4-F	CF ₃	H	CH ₂ (D-47a)
3-Cl-4-F	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-Cl-4-F	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-4-F	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-Cl-4-F	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-4-F	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-4-F	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-4-F	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Cl-4-F	CF ₃	H	N(CH ₃)Ph
3-Cl-4-F	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-Cl-4-F	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)

3-Cl-4-F	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-4-F	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Cl-4-F	CF ₃	H	(D-13b)CH ₃
3-Cl-4-F	CF ₃	H	(D-15a)CH ₃
2-F-4-Cl	CF ₃	H	CH ₂ (D-22a)
3-F-4-Cl	CF ₃	H	CH ₂ (D-47a)
3-F-5-Cl	CHF ₂	CH ₂ CN	CH ₂ (D-47a)
3-F-5-Cl	CF ₃	H	Et
3-F-5-Cl	CF ₃	Et	Et
3-F-5-Cl	CF ₃	H	CH ₂ Pr-c
3-F-5-Cl	CF ₃	H	c-Bu
3-F-5-Cl	CF ₃	H	CH ₂ CF ₃
3-F-5-Cl	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-F-5-Cl	CF ₃	C(O)Et	CH ₂ CF ₃
3-F-5-Cl	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-F-5-Cl	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-F-5-Cl	CF ₃	H	CH ₂ CH(OCH ₃) ₂
3-F-5-Cl	CF ₃	H	CH ₂ (E-4a)
3-F-5-Cl	CF ₃	H	CH ₂ (E-5a)
3-F-5-Cl	CF ₃	H	CH ₂ (E-10a)
3-F-5-Cl	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃
3-F-5-Cl	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃
3-F-5-Cl	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-F-5-Cl	CF ₃	H	CH ₂ CH=NOCH ₃
3-F-5-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3-F-5-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-F-5-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂
3-F-5-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3-F-5-Cl	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CF ₃
3-F-5-Cl	CF ₃	H	CH ₂ CH=CH ₂
3-F-5-Cl	CF ₃	H	CH ₂ CCl=CH ₂
3-F-5-Cl	CF ₃	H	CH ₂ C≡CH
3-F-5-Cl	CF ₃	H	CH(CH ₃)Ph(R)
3-F-5-Cl	CF ₃	H	CH(CF ₃)Ph
3-F-5-Cl	CF ₃	H	CH ₂ (D-17a)CH ₃
3-F-5-Cl	CF ₃	H	CH ₂ (D-17b)Cl
3-F-5-Cl	CF ₃	H	CH ₂ (D-21a)
3-F-5-Cl	CF ₃	H	CH ₂ (D-22a)
3-F-5-Cl	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-F-5-Cl	CF ₃	C(O)Et	CH ₂ (D-22a)
3-F-5-Cl	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-F-5-Cl	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3-F-5-Cl	CF ₃	H	CH ₂ (D-28a)
3-F-5-Cl	CF ₃	H	CH ₂ (D-34a)
3-F-5-Cl	CF ₃	H	CH ₂ (D-35a)

3-F-5-Cl	CF ₃	H	CH ₂ (D-38a)
3-F-5-Cl	CF ₃	H	CH ₂ (D-47a)
3-F-5-Cl	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-F-5-Cl	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-F-5-Cl	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-F-5-Cl	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-F-5-Cl	CF ₃	C(O)Et	CH ₂ (D-47a)
3-F-5-Cl	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-F-5-Cl	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3-F-5-Cl	CF ₃	H	CH(CH ₃)(D-47a)
3-F-5-Cl	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-F-5-Cl	CF ₃	H	CH ₂ (D-50a)
3-F-5-Cl	CF ₃	H	CH ₂ (D-51a)
3-F-5-Cl	CF ₃	H	CH ₂ (D-53a)
3-F-5-Cl	CF ₃	H	N(CH ₃)Ph
3-F-5-Cl	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3-F-5-Cl	CF ₃	C(O)Et	N(CH ₃)Ph
3-F-5-Cl	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-F-5-Cl	CF ₃	H	N(CH ₃)(D-47a)
3-F-5-Cl	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3-F-5-Cl	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3-F-5-Cl	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-F-5-Cl	CF ₃	H	NH(D-50a)
3-F-5-Cl	CF ₃	H	N(CH ₃)(D-50a)
3-F-5-Cl	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3-F-5-Cl	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3-F-5-Cl	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-F-5-Cl	CF ₃	H	(D-13b)CH ₃
3-F-5-Cl	CF ₃	H	(D-15a)CH ₃
3-F-5-Cl	CF ₃	H	D-21a
3-F-5-Cl	CF ₃	H	D-50a
3-F-5-Cl	CF ₂ Cl	H	CH ₂ CF ₃
3-F-5-Cl	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃
3-F-5-Cl	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-F-5-Cl	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-Cl	CF ₂ Cl	H	CH ₂ (D-22a)
3-F-5-Cl	CF ₂ Cl	H	CH ₂ (D-47a)
3-F-5-Cl	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3-F-5-Cl	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3-F-5-Cl	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3-F-5-Cl	CF ₂ Cl	H	N(CH ₃)Ph
3-F-5-Cl	CF ₂ Cl	H	N(CH ₃)(D-50a)
3-F-5-Cl	CF ₂ Br	H	CH ₂ CF ₃
3-F-5-Cl	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-Cl	CF ₂ Br	H	CH ₂ (D-22a)
3-F-5-Cl	CF ₂ Br	H	CH ₂ (D-47a)

3-F-5-Cl	CF ₂ CHF ₂	H	N(CH ₃)(D-50a)
3-F-5-Cl	CF ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-Cl	CF ₂ OCH ₃	H	CH ₂ (D-22a)
2-F-6-Cl	CF ₃	H	CH ₂ (D-47a)
2,3-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
2,4-Cl ₂	CF ₃	H	N(CH ₃)(D-50a)
2,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2,6-Cl ₂	CF ₃	H	CH ₂ (D-22a)
3,4-Cl ₂	CF ₃	H	CH ₂ Pr-c
3,4-Cl ₂	CF ₃	H	c-Bu
3,4-Cl ₂	CF ₃	H	CH ₂ CF ₃
3,4-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,4-Cl ₂	CF ₃	C(O)Et	CH ₂ CF ₃
3,4-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,4-Cl ₂	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,4-Cl ₂	CF ₃	H	CH ₂ (E-10a)
3,4-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3,4-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₃
3,4-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,4-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4-Cl ₂	CF ₃	H	CH(CH ₃)Ph(R)
3,4-Cl ₂	CF ₃	H	CH ₂ (D-17a)CH ₃
3,4-Cl ₂	CF ₃	H	CH ₂ (D-17b)Cl
3,4-Cl ₂	CF ₃	H	CH ₂ (D-21a)
3,4-Cl ₂	CF ₃	H	CH ₂ (D-22a)
3,4-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,4-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-22a)
3,4-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,4-Cl ₂	CF ₃	H	CH ₂ (D-47a)
3,4-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,4-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,4-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,4-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,4-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3,4-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,4-Cl ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,4-Cl ₂	CF ₃	H	N(CH ₃)Ph
3,4-Cl ₂	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,4-Cl ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,4-Cl ₂	CF ₃	H	N(CH ₃)(D-50a)
3,4-Cl ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,4-Cl ₂	CF ₃	H	(D-13b)CH ₃
3,4-Cl ₂	CF ₃	H	(D-15a)CH ₃
3,5-Cl ₂	CH ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	Et	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	n-Pr	H	N(CH ₃)(D-50a)

3,5-Cl ₂	i-Pr	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	c-Pr	H	CH ₂ (D-22a)
3,5-Cl ₂	n-Bu	H	CH ₂ (D-47a)
3,5-Cl ₂	i-Bu	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	s-Bu	H	N(CH ₃)(D-50a)
3,5-Cl ₂	c-Bu	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	c-Pen	H	CH ₂ (D-22a)
3,5-Cl ₂	n-Hex	H	CH ₂ (D-47a)
3,5-Cl ₂	c-Hex	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CH ₂ F	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CH ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CH ₂ Br	H	CH ₂ (D-22a)
3,5-Cl ₂	CH ₂ I	H	CH ₂ (D-47a)
3,5-Cl ₂	CHF ₂	H	c-Bu
3,5-Cl ₂	CHF ₂	H	CH ₂ CF ₃
3,5-Cl ₂	CHF ₂	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CHF ₂	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂	CHF ₂	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CHF ₂	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CHF ₂	H	CH ₂ (E-10a)
3,5-Cl ₂	CHF ₂	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CHF ₂	H	CH(CH ₃)Ph(R)
3,5-Cl ₂	CHF ₂	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CHF ₂	H	CH ₂ (D-17b)Cl
3,5-Cl ₂	CHF ₂	H	CH ₂ (D-22a)
3,5-Cl ₂	CHF ₂	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CHF ₂	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂	CHF ₂	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CHF ₂	H	CH ₂ (D-47a)
3,5-Cl ₂	CHF ₂	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CHF ₂	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CHF ₂	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CHF ₂	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CHF ₂	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CHF ₂	H	N(CH ₃)Ph
3,5-Cl ₂	CHF ₂	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CHF ₂	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CHFCl	H	c-Bu
3,5-Cl ₂	CHFCl	H	CH ₂ CF ₃
3,5-Cl ₂	CHFCl	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CHFCl	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂	CHFCl	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CHFCl	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CHFCl	H	CH ₂ (E-10a)
3,5-Cl ₂	CHFCl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl

3,5-Cl ₂	CHFCI	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CHFCI	H	CH(CH ₃)Ph(R)
3,5-Cl ₂	CHFCI	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CHFCI	H	CH ₂ (D-17b)Cl
3,5-Cl ₂	CHFCI	H	CH ₂ (D-22a)
3,5-Cl ₂	CHFCI	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CHFCI	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂	CHFCI	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CHFCI	H	CH ₂ (D-47a)
3,5-Cl ₂	CHFCI	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CHFCI	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CHFCI	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CHFCI	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CHFCI	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CHFCI	H	N(CH ₃)Ph
3,5-Cl ₂	CHFCI	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CHFCI	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CHFBr	H	c-Bu
3,5-Cl ₂	CHFBr	H	CH ₂ CF ₃
3,5-Cl ₂	CHFBr	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CHFBr	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂	CHFBr	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CHFBr	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CHFBr	H	CH ₂ (E-10a)
3,5-Cl ₂	CHFBr	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CHFBr	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CHFBr	H	CH(CH ₃)Ph(R)
3,5-Cl ₂	CHFBr	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CHFBr	H	CH ₂ (D-17b)Cl
3,5-Cl ₂	CHFBr	H	CH ₂ (D-22a)
3,5-Cl ₂	CHFBr	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CHFBr	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂	CHFBr	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CHFBr	H	CH ₂ (D-47a)
3,5-Cl ₂	CHFBr	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CHFBr	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CHFBr	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CHFBr	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CHFBr	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CHFBr	H	N(CH ₃)Ph
3,5-Cl ₂	CHFBr	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CHFBr	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CHCl ₂	H	CH ₂ CF ₃
3,5-Cl ₂	CHCl ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CHCl ₂	H	CH ₂ (D-22a)
3,5-Cl ₂	CHCl ₂	H	CH ₂ (D-47a)

3,5-Cl ₂	CF ₃	H	CH ₃
3,5-Cl ₂	CF ₃	CH ₃	CH ₃
3,5-Cl ₂	CF ₃	NH ₂	CH ₃
3,5-Cl ₂	CF ₃	H	Et
3,5-Cl ₂	CF ₃	CH ₃	Et
3,5-Cl ₂	CF ₃	Et	Et
3,5-Cl ₂	CF ₃	NH ₂	Et
3,5-Cl ₂	CF ₃	N=C(CH ₃) ₂	Et
3,5-Cl ₂	CF ₃	H	n-Pr
3,5-Cl ₂	CF ₃	CH ₃	n-Pr
3,5-Cl ₂	CF ₃	H	i-Pr
3,5-Cl ₂	CF ₃	CH ₃	i-Pr
3,5-Cl ₂	CF ₃	H	c-Pr
3,5-Cl ₂	CF ₃	C(O)CH ₃	c-Pr
3,5-Cl ₂	CF ₃	C(O)Et	c-Pr
3,5-Cl ₂	CF ₃	C(O)OCH ₃	c-Pr
3,5-Cl ₂	CF ₃	H	n-Bu
3,5-Cl ₂	CF ₃	CH ₂ CN	n-Bu
3,5-Cl ₂	CF ₃	H	i-Bu
3,5-Cl ₂	CF ₃	CH ₃	i-Bu
3,5-Cl ₂	CF ₃	H	CH ₂ Pr-c
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ Pr-c
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ Pr-c
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ Pr-c
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ Pr-c
3,5-Cl ₂	CF ₃	H	s-Bu
3,5-Cl ₂	CF ₃	H	t-Bu
3,5-Cl ₂	CF ₃	H	c-Bu
3,5-Cl ₂	CF ₃	C(O)CH ₃	c-Bu
3,5-Cl ₂	CF ₃	C(O)Et	c-Bu
3,5-Cl ₂	CF ₃	C(O)OCH ₃	c-Bu
3,5-Cl ₂	CF ₃	H	n-Pen
3,5-Cl ₂	CF ₃	H	CH ₂ Bu-i
3,5-Cl ₂	CF ₃	H	CH ₂ Bu-s
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ Bu-s
3,5-Cl ₂	CF ₃	H	CH ₂ Bu-t
3,5-Cl ₂	CF ₃	H	CH ₂ Bu-c
3,5-Cl ₂	CF ₃	H	CH ₂ (T-6)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)Pr-n
3,5-Cl ₂	CF ₃	H	CH(CH ₃)Pr-i
3,5-Cl ₂	CF ₃	H	CH(Et) ₂
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ Et
3,5-Cl ₂	CF ₃	H	c-Pen
3,5-Cl ₂	CF ₃	H	n-Hex
3,5-Cl ₂	CF ₃	H	CH ₂ (T-7)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)Bu-i

3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ Pr-n
3,5-Cl ₂	CF ₃	H	c-Hex
3,5-Cl ₂	CF ₃	H	Hept
3,5-Cl ₂	CF ₃	H	CH ₂ Hex-c
3,5-Cl ₂	CF ₃	H	Oct
3,5-Cl ₂	CF ₃	H	CH ₂ (T-12)
3,5-Cl ₂	CF ₃	-CH ₂ CH ₂ CH ₂	CH ₂ CH ₂ CH ₂ -
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ F
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ Br
3,5-Cl ₂	CF ₃	H	CH ₂ CHF ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CHFCI
3,5-Cl ₂	CF ₃	H	CH ₂ CHCl ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CHFBr
3,5-Cl ₂	CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	Et	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	n-Pr	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	i-Pr	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ OEt	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ CH ₂ OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ OCH ₂ CH ₂ Cl	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ OCH ₂ CH ₂ OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ OCH ₂ Ph	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ SCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ SCF ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ SPh	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ CH=CH ₂	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)Pr-n	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)Pr-i	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)Pr-c	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)Bu-t	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)CH ₂ OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)CH ₂ SCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)OEt	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)OCH ₂ CH ₂ Cl	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)SCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(S)OCH ₃	CH ₂ CF ₃

3,5-Cl ₂	CF ₃	C(S)SCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SCCl ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SPh	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Et) ₂	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Pr-i) ₂	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Bu-n) ₂	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	S(T-35)	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(CH ₃)CH ₂ CH ₂ C(O)OEt	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Et)CH ₂ CH ₂ C(O)OEt	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Pr-i)CH ₂ CH ₂ C(O)OEt	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(CH ₂ Ph)CH ₂ CH ₂ C(O)OEt	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(CH ₃)C(O)OEt	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(CH ₃)C(O)OPr-n	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(CH ₃)C(O)OBu-n	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(CH ₃)C(O)OHex-n	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Et)C(O)OEt	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Et)C(O)OPr-n	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Et)C(O)OBu-n	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Pr-i)C(O)OEt	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Pr-i)C(O)OPr-n	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SN(Pr-i)C(O)OBu-n	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SO ₂ CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	SO ₂ Et	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	NH ₂	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	NHCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	NHCHO	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	NHC(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	NHC(O)CF ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	NHC(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	NHC(O)NHCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	N=C(CH ₃) ₂	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	N=CHPh	CH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CF ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ CFCl ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CCl ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CF ₂ Br
3,5-Cl ₂	CF ₃	H	CH ₂ CFCIBr
3,5-Cl ₂	CF ₃	H	CH ₂ CCl ₂ Br
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ F
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ F(S)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ Br
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ Br(R)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ Br(S)
3,5-Cl ₂	CF ₃	H	CH ₂ CHFCH ₃

3,5-Cl ₂	CF ₃	H	CH ₂ CHClCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CHClCH ₃ (R)
3,5-Cl ₂	CF ₃	H	CH ₂ CHClCH ₃ (S)
3,5-Cl ₂	CF ₃	H	CH ₂ CHBrCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CFCICH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CHClCH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ CHBrCH ₂ F
3,5-Cl ₂	CF ₃	H	CH ₂ CHClCH ₂ Br
3,5-Cl ₂	CF ₃	H	CH ₂ CHBrCH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ CClBrCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CHBrCH ₂ Br
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CF ₂ Br
3,5-Cl ₂	CF ₃	H	CH ₂ CClBrCH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ CF ₂ CHF ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CHClCF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CF ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CF(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CHFCH ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CHClCH ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CF ₂ CHFCF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CF ₂ CF ₂ CHF ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CF ₂ CF ₂ CF ₃
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ Br
3,5-Cl ₂	CF ₃	H	CH ₂ (T-1)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-2)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-3)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-4)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-5)
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CHBrCH ₂ Br
3,5-Cl ₂	CF ₃	H	CH ₂ (T-10)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-11)
3,5-Cl ₂	CF ₃	H	CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH(CF ₃)OH
3,5-Cl ₂	CF ₃	H	CH(CF ₃)OCH ₃
3,5-Cl ₂	CF ₃	H	CH(CF ₃)OEt
3,5-Cl ₂	CF ₃	H	CH(CF ₃)OPr-n
3,5-Cl ₂	CF ₃	H	CH(CF ₃)OPr-i
3,5-Cl ₂	CF ₃	H	CH(CF ₃)OPr-c
3,5-Cl ₂	CF ₃	H	CH(CF ₃)OCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH(CF ₃)OCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH(CF ₃)OCH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	CH ₂ CH ₂ OCH ₃	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ CH ₂ OCH ₃

3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	C(O)SCH ₃	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	C(S)OCH ₃	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	C(S)SCH ₃	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OEt
3,5-Cl ₂	CF ₃	CH ₂ CH ₂ OEt	CH ₂ CH ₂ OEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OPr-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OPr-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OBu-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OCH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OCH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OCH ₂ CH ₂ SEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OCH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OC(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OC(O)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OC(O)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OC(O)NHet
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OC(O)NHPh
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ OPh
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ O(Ph-2-Cl)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ O(Ph-3-Cl)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ O(Ph-4-Cl)
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)OH
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)OCH ₃ (R)
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)OCH ₃ (S)
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)OC(O)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)OC(O)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)OC(O)NHet
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Et)OH
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Et)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(OCH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH(OEt) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CF(CF ₃)OCF ₂ CF ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃) ₂ OSi(CH ₃) ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OH
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OCH ₃ (R)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OCH ₃ (S)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OEt
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)CH ₃

3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)CF ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NH ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)N(Et) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHPr-n
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHPr-i
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)N(Pr-i) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHPr-c
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHBu-t
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHCH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHCH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHCH ₂ CH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHCH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHCH ₂ (D-47a)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHCH ₂ (D-48a)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHCH ₂ (D-49a)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)NHPh
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)N(CH ₃)Ph
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)(T-28)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)(T-34)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)(T-35)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(O)(T-36)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OP(O)(OEt) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OP(S)(OCH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OP(S)(OEt) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(S)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(S)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OC(S)NH ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ OPh
3,5-Cl ₂	CF ₃	H	CH(Et)CH ₂ OH
3,5-Cl ₂	CF ₃	H	CH(Et)CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH(Ph)CH ₂ OH
3,5-Cl ₂	CF ₃	H	CH(Ph)CH ₂ OH(R)
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ OH
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ OH
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ CH ₂ OC(O)NH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ CHOC(O)NHPr-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ OC(O)NH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (T-13)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-14)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-15)

3,5-Cl ₂	CF ₃	H	CH ₂ (T-16)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-4a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-4b)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-5a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-5c)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-10a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (E-10a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (E-10a)
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (E-10a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (E-10a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-10b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-11a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-11b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-11c)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-23a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-24a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-25a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-32a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-32b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ (E-10a)
3,5-Cl ₂	CF ₃	H	E-4a
3,5-Cl ₂	CF ₃	H	E-4b
3,5-Cl ₂	CF ₃	H	E-5a
3,5-Cl ₂	CF ₃	H	E-5b
3,5-Cl ₂	CF ₃	H	E-5c
3,5-Cl ₂	CF ₃	H	E-24a
3,5-Cl ₂	CF ₃	H	E-25a
3,5-Cl ₂	CF ₃	H	E-25b
3,5-Cl ₂	CF ₃	H	E-34a
3,5-Cl ₂	CF ₃	-CH ₂ OCH ₂ C(CH ₃) ₂ -	
3,5-Cl ₂	CF ₃	-CH(Et)OCH ₂ CH ₂ -	
3,5-Cl ₂	CF ₃	-CH ₂ CH ₂ OCH ₂ CH ₂ -	
3,5-Cl ₂	CF ₃	-CH ₂ CH(CH ₃)OCH(CH ₃)CH ₂ -	
3,5-Cl ₂	CF ₃	H	CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CF ₃)SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CF ₃)SEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	Et	CH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)Et
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ Et
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SPr-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)Pr-n

3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ Pr-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SPr-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)Pr-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ Pr-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SBu-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SBu-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SBu-s
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SBu-t
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)Bu-t
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ Bu-t
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SHex-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SHex-c
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)CH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ CH ₂ OH
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ CH ₂ OEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)CH ₂ CH ₂ OEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₂ CH ₂ OEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ CH ₂ OC(O)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ Si(CH ₃) ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ C(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ CH ₂ C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)CH ₂ CH ₂ C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₂ CH ₂ C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ C(O)N(Et) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)CH ₂ C(O)N(Et) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₂ C(O)N(Et) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)CH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ (Ph-4-Cl)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SCH ₂ (Ph-2,4-Cl ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SC(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SC(O)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SC(O)NH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SC(O)N(Et) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SC(S)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SC(S)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SC(S)NH ₂

3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SPh
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)Ph
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(D-21a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ (D-21a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(D-47a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)(D-47a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ (D-47a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(D-50a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)(D-50a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ (D-50a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(D-50c)Br
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ S(O)(D-50c)Br
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ (D-50c)Br
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SSCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SS(Ph-2-NO ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ N(Et) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHPr-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHPr-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ N(Pr-i) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHPr-c
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHBu-t
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHCH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHCH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHCH ₂ CH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHCH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHCH ₂ (D-47a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHCH ₂ (D-48a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHCH ₂ (D-49a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ NHPh
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ N(CH ₃)Ph
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ (T-28)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ (T-34)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ (T-35)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ (T-36)
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)SCH ₃ (R)
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)SCH ₃ (S)
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)SEt

3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)SEt(R)
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)SEt(S)
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)S(O)Et
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ Et
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Et)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Et)S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Et)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Pr-n)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Pr-n)S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Pr-n)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Pr-i)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Pr-i)S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Pr-i)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Ph)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Ph)S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(Ph)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(SET) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SH
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SCH ₃ (R)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SCH ₃ (S)
3,5-Cl ₂	CF ₃	CH ₃	CH(CH ₃)CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	Et	CH(CH ₃)CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SEt
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SEt(R)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SEt(S)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ S(O)Et
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ Et
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SPr-n
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ S(O)Pr-n
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ Pr-n
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SPr-i
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ S(O)Pr-i
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ Pr-i
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SBu-t
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ S(O)Bu-t
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ Bu-t
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SCH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ S(O)CH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH(CH ₂ SCH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH(Ph)CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(Ph)CH ₂ S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH(Ph)CH ₂ SO ₂ CH ₃

3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH(CH ₃)SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH(CH ₃)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ S(O)CH ₃
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ S(O)CH ₃ (-)
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ S(O)CH ₃ (+)
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH(CH ₃)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH(CH ₃)S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH(CH ₃)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)CH ₂ S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)CH ₂ SEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)CH ₂ S(O)Et
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)CH ₂ SO ₂ Et
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ CH ₂ S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH(Et)CH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₂ OH)CH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ CH ₂ SEt
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(CH ₂) ₃ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(CH ₂) ₃ S(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(CH ₂) ₃ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ (CH ₂) ₃ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(CH ₂) ₄ SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(CH ₂) ₄ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-6a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-7a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-7b)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-7c)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-7d)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-12a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-12b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-14a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-14b)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-14c)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-18a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-18b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-26a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-27a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-28a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-35a)

3,5-Cl ₂	CF ₃	H	CH ₂ (E-35b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-43a)
3,5-Cl ₂	CF ₃	H	CH ₂ (E-43b)CH ₃
3,5-Cl ₂	CF ₃	H	E-6a
3,5-Cl ₂	CF ₃	H	E-7a
3,5-Cl ₂	CF ₃	H	E-7b
3,5-Cl ₂	CF ₃	H	E-7c
3,5-Cl ₂	CF ₃	H	E-27a
3,5-Cl ₂	CF ₃	H	E-28a
3,5-Cl ₂	CF ₃	-CH ₂ SCH ₂ CH ₂ -	
3,5-Cl ₂	CF ₃	-C(CH ₃) ₂ SCH ₂ CH ₂ -	
3,5-Cl ₂	CF ₃	-CH ₂ CH ₂ SCH ₂ CH ₂ -	
3,5-Cl ₂	CF ₃	H	CH ₂ NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ NHC(O)OEt
3,5-Cl ₂	CF ₃	H	CH ₂ NHC(O)OPr-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ N(CH ₃)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ N(CH ₃)C(O)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)Et
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)Pr-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)Pr-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)Pr-c
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)Bu-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)Bu-i
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)Bu-s
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)Bu-t
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)CF ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)Ph
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)(D-17a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)(D-17b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)(D-21a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)(D-22a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)(D-23a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)(D-47a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)(D-48a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)(D-49a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)OEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)OPr-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)OBu-t
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(O)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHC(S)NHEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHSO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHSO ₂ Et
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHSO ₂ Ph

3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHSO ₂ N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHP(S)(OCH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ NHP(S)(OEt) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ N(CH ₃)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ N(CH ₃)SO ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ N(CH ₃)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)NHC(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃) ₂ NHC(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃) ₂ NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ NHC(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ NHC(O)CF ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ NHC(O)OBu-t
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ NHC(O)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ NHC(O)Ph
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ N(CH ₃)OCH ₃
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ NHC(O)OBu-t
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ N(CH ₃)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH(Et)NHC(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH(Et)NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃) ₂ CH ₂ N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃) ₂ CH ₂ NHC(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃) ₂ CH ₂ NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(OH)CH ₂ NHC(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(OH)CH ₂ NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-8a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-8a)CH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-8a)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-8b)H
3,5-Cl ₂	CF ₃	H	CH ₂ (E-8b)CH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ (E-9a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-9a)Et
3,5-Cl ₂	CF ₃	H	CH ₂ (E-9a)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-9a)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-9b)H
3,5-Cl ₂	CF ₃	H	CH ₂ (E-29a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-29a)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-29b)H
3,5-Cl ₂	CF ₃	H	CH ₂ (E-30a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-30a)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-30b)H

3,5-Cl ₂	CF ₃	H	CH ₂ (E-30c)H
3,5-Cl ₂	CF ₃	H	CH ₂ (E-31a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-31a)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-31a)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ (E-9a)CH ₃
3,5-Cl ₂	CF ₃	H	(E-8a)C(O)OEt
3,5-Cl ₂	CF ₃	H	(E-9a)CHO
3,5-Cl ₂	CF ₃	H	(E-9a)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	(E-9a)C(O)CF ₃
3,5-Cl ₂	CF ₃	H	(E-9a)C(O)Bu-t
3,5-Cl ₂	CF ₃	H	(E-9a)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	(E-9a)C(O)OEt
3,5-Cl ₂	CF ₃	H	(E-9b)H
3,5-Cl ₂	CF ₃	H	(E-9b)CH ₂ C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	(E-30a)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	(E-30a)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	(E-30b)H
3,5-Cl ₂	CF ₃	H	(E-30b)CH ₂ C(O)NH ₂
3,5-Cl ₂	CF ₃	H	(E-30b)OCH ₂ Ph
3,5-Cl ₂	CF ₃	H	(E-30c)OCH ₂ Ph
3,5-Cl ₂	CF ₃	H	(E-31a)CH ₃
3,5-Cl ₂	CF ₃	H	(E-31a)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	(E-31a)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	(E-31b)H
3,5-Cl ₂	CF ₃	H	(E-31b)CH ₂ C(O)OEt
3,5-Cl ₂	CF ₃	-CH ₂ CH ₂ N(CHO)CH ₂ CH ₂ -	
3,5-Cl ₂	CF ₃	H	CH ₂ (E-16a)H
3,5-Cl ₂	CF ₃	H	CH ₂ (E-16a)Pr-n
3,5-Cl ₂	CF ₃	H	CH ₂ (E-16a)C(O)OEt
3,5-Cl ₂	CF ₃	H	CH ₂ (E-17a)H
3,5-Cl ₂	CF ₃	H	CH ₂ (E-17a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-21a)CH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ (E-21b)H
3,5-Cl ₂	CF ₃	H	CH ₂ (E-22a)Ph
3,5-Cl ₂	CF ₃	H	CH ₂ (E-22b)H
3,5-Cl ₂	CF ₃	H	CH ₂ (E-40a)H
3,5-Cl ₂	CF ₃	H	CH ₂ (E-41a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (E-42a)H
3,5-Cl ₂	CF ₃	H	CH ₂ (E-42b)H
3,5-Cl ₂	CF ₃	H	CH ₂ Si(CH ₃) ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ Si(CH ₃)(OEt) ₂
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CHO
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (T-19)
3,5-Cl ₂	CF ₃	H	CH ₂ (M-2a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (M-3a)CH ₃

3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOH
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOPr-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₂ Pr-c
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₂ CH ₂ OEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₂ CH ₂ SEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₂ CN
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	CH ₂ CH=NOCH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOH
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOEt
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOPr-n
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₂ Pr-c
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₂ CH ₂ OEt
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₂ CH ₂ SEt
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₂ CN
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ C(Ph)=NOCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH=NOCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(CH ₃)=NOCH ₃
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH=NOH
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH=NOCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH=NOCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)C(CH ₃)=NOH
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)C(CH ₃)=NOCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)C(CH ₃)=NOEt
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ CH=NOCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ CH=NOEt
3,5-Cl ₂	CF ₃	H	CH ₂ (T-20)
3,5-Cl ₂	CF ₃	H	CH ₂ (M-5a)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (M-5a)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (M-5a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (M-5a)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (M-5a)CH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (M-5a)CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (M-14a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (M-15a)CH ₃

3,5-Cl ₂	CF ₃	H	CH ₂ (M-16a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CN
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CN
3,5-Cl ₂	CF ₃	H	CH(CF ₃)CN
3,5-Cl ₂	CF ₃	H	CH(OCH ₃)CN
3,5-Cl ₂	CF ₃	H	CH(OEt)CN
3,5-Cl ₂	CF ₃	H	CH(OPr-n)CN
3,5-Cl ₂	CF ₃	H	CH(OPr-i)CN
3,5-Cl ₂	CF ₃	H	CH(OPr-c)CN
3,5-Cl ₂	CF ₃	H	CH(OCH ₂ CF ₃)CN
3,5-Cl ₂	CF ₃	H	CH(OCH ₂ CH=CH ₂)CN
3,5-Cl ₂	CF ₃	H	CH(OCH ₂ C≡CH)CN
3,5-Cl ₂	CF ₃	H	CH(SET)CN
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CN
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)OEt
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)OCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)OCH ₃ (D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)OCH ₃ (L)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)OEt
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)OEt(D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)OCH ₂ CF ₃ (D)
3,5-Cl ₂	CF ₃	H	CH(OCH ₃)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH(Ph)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH(Ph)C(O)OCH ₃ (R)
3,5-Cl ₂	CF ₃	H	CH(Ph)C(O)OCH ₃ (S)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ C(O)OEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)C(O)OEt
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ C(O)OEt
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NH ₂ Et
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(CH ₃)Et
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(Et) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHPr-n
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(CH ₃)Pr-n
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(Pr-n) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHPr-i
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(CH ₃)Pr-i
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHPr-c
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHBu-n
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHBu-i
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHBu-s

3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHBu-c
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHBu-t
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(CH ₃)CH ₂ CH ₂ F
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(CH ₃)CH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Br
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(CH ₃)CH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CN
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(CH ₃)CH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(CH ₂ CH=CH ₂) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CCl=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)N(CH ₃)CH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ (D-22a)
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ (D-47a)
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHOPr-n
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHOCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHNHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHN(CH ₃)Ph
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)NHPh
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)(T-28)
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)(T-30)
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)(T-32)
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)(T-34)
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)(T-35)
3,5-Cl ₂	CF ₃	H	CH ₂ C(O)(T-36)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NH ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₃ (D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₃ (L)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)N(CH ₃) ₂ (D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NH ₂ t(D)

3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHPr-n(D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHPr-i(D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHPr-c(D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ F
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ F(D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ Cl(D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CF ₃ (D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH=CH ₂ (D)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ C≡CH(D)
3,5-Cl ₂	CF ₃	H	CH(Et)C(O)NH(Et)
3,5-Cl ₂	CF ₃	H	CH(Et)C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH(Et)C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH(Pr-n)C(O)NH(Et)
3,5-Cl ₂	CF ₃	H	CH(Pr-i)C(O)NH(Et)
3,5-Cl ₂	CF ₃	H	CH(Pr-i)C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	CH(Pr-i)C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₂ OCH ₃)C(O)NH(Et)
3,5-Cl ₂	CF ₃	H	CH(CH ₂ SCH ₃)C(O)NH(Et)
3,5-Cl ₂	CF ₃	H	CH(Ph)C(O)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH(Ph)C(O)NHCH ₃ (D)
3,5-Cl ₂	CF ₃	H	CH(Ph)C(O)NHCH ₃ (L)
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)C(O)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)C(O)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)C(O)NH(Et)
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)C(O)N(Et) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH(CH ₃)C(O)N(CH ₃)Ph
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ C(O)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(OEt)=NCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (T-21)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-24)
3,5-Cl ₂	CF ₃	H	CH ₂ (M-8a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (M-9a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(S)NH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(SCH ₃)=NCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (T-22)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-25)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-23)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-26)
3,5-Cl ₂	CF ₃	H	CH ₂ (M-10a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(=NOH)NH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(=NOCH ₃)NH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH=CH ₂

3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH=CHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=CH ₂
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ C(CH ₃)=CH ₂
3,5-Cl ₂	CF ₃	Et	CH ₂ C(CH ₃)=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(Et)=CH ₂
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=CHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH=C(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(Et)=CHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH=CHEt
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=CHEt
3,5-Cl ₂	CF ₃	H	CH ₂ CH=CHPr-n
3,5-Cl ₂	CF ₃	H	CH ₂ CH=CHBu-n
3,5-Cl ₂	CF ₃	H	CH ₂ (T-17)
3,5-Cl ₂	CF ₃	H	CH ₂ (T-18)
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=CHCH(CH ₃)CH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH=C(CH ₃)CH ₂ CH ₂ CH=C(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (T-8)
3,5-Cl ₂	CF ₃	H	CH ₂ C(F)=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH=CHCl
3,5-Cl ₂	CF ₃	H	CH ₂ C(Cl)=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH=CHBr
3,5-Cl ₂	CF ₃	H	CH ₂ C(Br)=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ CH=CCl ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(Cl)=CHCl
3,5-Cl ₂	CF ₃	H	CH ₂ C(Br)=CHBr
3,5-Cl ₂	CF ₃	H	CH ₂ C(Cl)=CCl ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=CHBr
3,5-Cl ₂	CF ₃	H	CH ₂ CH=C(Cl)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH=C(Br)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ CH=C(Cl)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(OCH ₃)=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(OCH ₂ OCH ₃)=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C[CH ₂ Si(CH ₃) ₃]=CH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ C(Br)=CHOCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=CHOEt
3,5-Cl ₂	CF ₃	H	CH ₂ C(CH ₃)=CHPh
3,5-Cl ₂	CF ₃	H	CH ₂ C≡CH
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ C≡CH
3,5-Cl ₂	CF ₃	Et	CH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	CH ₂ C≡CCl

3,5-Cl ₂	CF ₃	H	CH ₂ C≡CBr
3,5-Cl ₂	CF ₃	H	CH ₂ C≡Cl
3,5-Cl ₂	CF ₃	H	CH ₂ C≡CPh
3,5-Cl ₂	CF ₃	H	CH ₂ C≡C(1-Naph)
3,5-Cl ₂	CF ₃	H	CH ₂ C≡C(D-3a)
3,5-Cl ₂	CF ₃	H	CH ₂ C≡C(D-4a)
3,5-Cl ₂	CF ₃	H	CH ₂ C≡C(D-47a)
3,5-Cl ₂	CF ₃	H	CH ₂ C≡C(D-48a)
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ C≡CH
3,5-Cl ₂	CF ₃	H	CH ₂ Ph
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ Ph
3,5-Cl ₂	CF ₃	Et	CH ₂ Ph
3,5-Cl ₂	CF ₃	OH	CH ₂ Ph
3,5-Cl ₂	CF ₃	OCH ₃	CH ₂ Ph
3,5-Cl ₂	CF ₃	OC(O)CH ₃	CH ₂ Ph
3,5-Cl ₂	CF ₃	OC(O)OCH ₃	CH ₂ Ph
3,5-Cl ₂	CF ₃	OSO ₂ CH ₃	CH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-F)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-F)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-F)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-Cl)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-Cl)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-Cl)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-Br)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-Br)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-Br)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-I)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-I)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-CH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-CH ₂ SCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3-CH ₂ S(O)CH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-CH ₂ SO ₂ CH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-CH ₂ SCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-CH ₂ S(O)CH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-CH ₂ SO ₂ CH ₃)
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ (Ph-2-OH)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-OCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-OCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-OCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-OEt)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-OCHF ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-OCHF ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-OCHF ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-OCF ₃)

3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-OCF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-OCF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3-OC(O)NHCH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-OC(O)NHCH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-OSO ₂ CH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-OSO ₂ CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-SCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2-S(O)CH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-SO ₂ CH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-SCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-S(O)CH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-SO ₂ CH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-SEt)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-S(O)Et]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-SO ₂ Et)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-SCHF ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2-S(O)CHF ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-SO ₂ CHF ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-SCHF ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3-S(O)CHF ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-SO ₂ CHF ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-SCF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2-S(O)CF ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-SO ₂ CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-SCF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3-S(O)CF ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-SO ₂ CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-SCF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-S(O)CF ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-SO ₂ CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-SO ₂ OCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-SO ₂ NH ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-SO ₂ NHCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-SO ₂ N(CH ₃) ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2-NHC(O)CH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3-NHC(O)CH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-NHC(O)CH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2-NHC(O)CF ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3-NHC(O)CF ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-NHC(O)CF ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2-NHC(O)NHCH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3-NHC(O)NHCH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-NHC(O)NHCH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-NHSO ₂ CH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-NHSO ₂ CH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-NHSO ₂ CH ₃)

3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-NHSO ₂ CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-NHSO ₂ CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-NHSO ₂ CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2-N(CH ₃) ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-N(CH ₃) ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-NO ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-NO ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-NO ₂)
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ (Ph-4-NO ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-CN)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-CN)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-CN)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2-C(O)OCH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3-C(O)OCH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-C(O)OCH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2-C(O)NH ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3-C(O)NH ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-C(O)NH ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2-C(S)NH ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3-C(S)NH ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-C(S)NH ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-CH=NOCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-4-CH=NOCH ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-4-C(CH ₃)=NOCH ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,4-F ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,5-F ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,6-F ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3,4-F ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3,5-F ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-F-4-Cl)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-Cl-4-F)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-F-6-Cl)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-F-4-Cl)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-Cl-4-F)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,3-Cl ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,4-Cl ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,5-Cl ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,6-Cl ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3,4-Cl ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3,5-Cl ₂)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-F-4-Br)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-F-5-Br)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-Br-4-F)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-F-3-CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-F-4-CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-CF ₃ -4-F)

3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-F-5-CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-CF ₃ -5-F)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2-F-6-CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-CF ₃ -4-F)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-F-5-CF ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3,4-(OH) ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-OCH ₃ -4-OH)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2,3-(OCH ₃) ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2,4-(OCH ₃) ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2,6-(OCH ₃) ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3,4-(OCH ₃) ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3,5-(OCH ₃) ₂]
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3-OCH ₂ O-4)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,3,4-F ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,3,5-F ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,3,6-F ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-2,4,5-F ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ (Ph-3,4,5-F ₃)
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-2,4,6-(OCH ₃) ₃]
3,5-Cl ₂	CF ₃	H	CH ₂ [Ph-3,4,5-(OCH ₃) ₃]
3,5-Cl ₂	CF ₃	H	CH(CH ₃)Ph
3,5-Cl ₂	CF ₃	H	CH(CH ₃)Ph(R)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)Ph(S)
3,5-Cl ₂	CF ₃	H	CH(Et)Ph
3,5-Cl ₂	CF ₃	H	CH(Et)Ph(R)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)Ph
3,5-Cl ₂	CF ₃	H	CH(CF ₃)Ph(R)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)Ph(S)
3,5-Cl ₂	CF ₃	H	CH(CH ₂ OH)Ph(R)
3,5-Cl ₂	CF ₃	H	CH(CH ₂ OH)Ph(S)
3,5-Cl ₂	CF ₃	H	CH(CH ₂ OCH ₃)Ph
3,5-Cl ₂	CF ₃	H	CH(CH ₂ OCH ₃)Ph(R)
3,5-Cl ₂	CF ₃	H	CH(CH ₂ OCH ₃)Ph(S)
3,5-Cl ₂	CF ₃	H	CH(OCH ₃)Ph
3,5-Cl ₂	CF ₃	H	CH(OEt)Ph
3,5-Cl ₂	CF ₃	H	CH(CN)Ph
3,5-Cl ₂	CF ₃	H	CH(CN)Ph(R)
3,5-Cl ₂	CF ₃	H	CH(CN)Ph(S)
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ Ph
3,5-Cl ₂	CF ₃	H	C(CH ₃) ₂ CH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ CH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH(CH ₃)CH ₂ CH ₂ Ph
3,5-Cl ₂	CF ₃	H	CH ₂ (1-Naph)
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ (1-Naph)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-1a)
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ (D-1a)

3,5-Cl ₂	CF ₃	H	CH ₂ (D-1b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-1c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-1c)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-1c)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-1c)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-1c)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-1c)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-1c)NO ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-1a)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-1a)(R)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-1a)
3,5-Cl ₂	CF ₃	H	CH(CN)(D-1a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-2a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-2b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3c)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3c)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3c)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3c)NO ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3d)F
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3d)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3d)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3d)I
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3d)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3d)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3d)NO ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3d)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3d)SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-3d)CN
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-3a)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-3a)
3,5-Cl ₂	CF ₃	H	CH(CN)(D-3a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-4a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-4b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-4b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-4b)NO ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-4b)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-6a)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-6a)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-6b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-6b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-8a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-8b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-8b)Br

3,5-Cl ₂	CF ₃	H	CH ₂ (D-8b)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-8a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-10a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-10b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-10b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-10b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-10b)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-10b)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-10b)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-11a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-11b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-11b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-11b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-13a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-13b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-14a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-14b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-14c)Cl
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-14a)
3,5-Cl ₂	CF ₃	H	CH(CN)(D-14a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-15a)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-15a)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-15a)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CN)(D-15a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-15b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-15c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-16a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-16a)CHF ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-16a)CF ₂ Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-16b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-16b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-16c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-17b)Cl

3,5-Cl ₂	CF ₃	H	CH ₂ (D-17b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-17b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-17b)CF ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-17a)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-17a)CH ₃ (R)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH(CH ₃)(D-17a)CH ₃
3,5-Cl ₂	CF ₃	CH ₂ CN	CH(CH ₃)(D-17a)CH ₃
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH(CH ₃)(D-17a)CH ₃
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH(CH ₃)(D-17a)CH ₃
3,5-Cl ₂	CF ₃	C(O)Et	CH(CH ₃)(D-17a)CH ₃
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-17a)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-17b)Cl
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-17b)Cl(R)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH(CH ₃)(D-17b)Cl
3,5-Cl ₂	CF ₃	CH ₂ CN	CH(CH ₃)(D-17b)Cl
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH(CH ₃)(D-17b)Cl
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH(CH ₃)(D-17b)Cl
3,5-Cl ₂	CF ₃	C(O)Et	CH(CH ₃)(D-17b)Cl
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-17b)Cl
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-17a)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-17b)Cl
3,5-Cl ₂	CF ₃	H	CH(CN)(D-17a)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CN)(D-17b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-18a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-18b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-18c)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-18a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-19a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-19b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-19b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-19b)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-19a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-20a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-20b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-20b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-20b)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-20a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-21a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-21a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-21a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-21a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-21a)
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-21a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-21a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-21b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-21b)CH ₃

3,5-Cl ₂	CF ₃	H	CH ₂ (D-21c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-21c)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-21c)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-21c)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-21c)NO ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-21a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	Et	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	c-Pr	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₂ CF ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₂ OEt	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₂ CH ₂ OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₂ CH ₂ Cl	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₂ CH ₂ OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₂ SCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₂ CH=CH ₂	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)Pr-n	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)Pr-i	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)Pr-c	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)Bu-t	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)OEt	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)OCH ₂ CH ₂ Cl	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(O)SCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(S)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	C(S)SCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	OH	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	OC(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	OC(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	OSO ₂ CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	SCCl ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	SN(Bu-n) ₂	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	S(T-35)	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	SN(Pr-i)CH ₂ CH ₂ C(O)OEt	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	SN(CH ₂ Ph)CH ₂ CH ₂ C(O)OEt	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	SN(CH ₃)C(O)OBu-n	CH ₂ (D-22a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)Br

3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)Et
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)Pr-i
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)CF ₂ Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)CF ₂ Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)CH ₂ CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)NH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)NHCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-22b)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-22a)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-22a)(R)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH(CH ₃)(D-22a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH(CH ₃)(D-22a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH(CH ₃)(D-22a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH(CH ₃)(D-22a)
3,5-Cl ₂	CF ₃	C(O)Et	CH(CH ₃)(D-22a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-22a)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-22a)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-22a)(R)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-22a)(S)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH(CF ₃)(D-22a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH(CF ₃)(D-22a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH(CF ₃)(D-22a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH(CF ₃)(D-22a)
3,5-Cl ₂	CF ₃	C(O)Et	CH(CF ₃)(D-22a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH(CF ₃)(D-22a)
3,5-Cl ₂	CF ₃	H	CH(CN)(D-22a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-23a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-23b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-23b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-23b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-23c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-23c)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-23c)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-24a)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-24a)
3,5-Cl ₂	CF ₃	H	CH(CN)(D-24a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-25a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-25b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-25b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-25b)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-25c)Cl

3,5-Cl ₂	CF ₃	H	CH ₂ (D-25c)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-25c)NO ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-26a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-27a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-27b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-27b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-27b)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-27b)NO ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-28a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-28a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-28a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-28a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-28a)
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-28a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-28a)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-28a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-29a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-29b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-30a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-30b)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-31a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-31b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-31b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-31b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-31b)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-32a)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-33a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-33b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-34a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-34a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-34a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-34a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-34a)
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-34a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-34a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-34b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-34b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-34b)CH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-34a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-35a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-35a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-35a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-35a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-35a)
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-35a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-35a)

3,5-Cl ₂	CF ₃	H	CH ₂ (D-35b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-35b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-35b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-35b)SCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-35a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-36a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-36b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-37a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-37b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-38a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-38a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-38a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-38a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-38a)
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-38a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-38a)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-38a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH(CF ₃)(D-38a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH(CF ₃)(D-38a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH(CF ₃)(D-38a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH(CF ₃)(D-38a)
3,5-Cl ₂	CF ₃	C(O)Et	CH(CF ₃)(D-38a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH(CF ₃)(D-38a)
3,5-Cl ₂	CF ₃	H	CH(CN)(D-38a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-39b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-39b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-40a)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-40b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-40b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-42b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-42b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	Et	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	n-Pr	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	i-Pr	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	c-Pr	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	n-Bu	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ CF ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH(CH ₃)CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₂ CH ₂ Cl	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₂ CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₂ Ph	CH ₂ (D-47a)

3,5-Cl ₂	CF ₃	CH ₂ SCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ SO ₂ CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ SCF ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ SPh	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ CHO	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ C(O)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ C(O)OPr-n	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ C(O)OBu-t	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ CH=CH ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ Ph	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	CH ₂ Si(CH ₃) ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)Pr-n	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)Pr-i	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)Pr-c	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)Bu-t	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)CH=CH ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)OPr-n	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)OPr-i	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)OPr-c	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)OCH ₂ CH ₂ Cl	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)SCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(O)SEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(S)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(S)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(S)SCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	C(S)SEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	Ph	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	OH	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	OCH ₂ Ph	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	OC(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	OC(O)CF ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	OC(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	OC(O)NHCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	OSO ₂ CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	OSO ₂ CF ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SCH ₃	CH ₂ (D-47a)

3,5-Cl ₂	CF ₃	SCCl ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SPh	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Et) ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Pr-i) ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Bu-n) ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	S(T-35)	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(CH ₃)CH ₂ CH ₂ C(O)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Et)CH ₂ CH ₂ C(O)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Pr-i)CH ₂ CH ₂ C(O)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(CH ₂ Ph)CH ₂ CH ₂ C(O)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(CH ₃)C(O)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(CH ₃)C(O)OPr-n	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(CH ₃)C(O)OBu-n	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(CH ₃)C(O)OHex-n	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Et)C(O)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Et)C(O)OPr-n	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Et)C(O)OBu-n	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Pr-i)C(O)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Pr-i)C(O)OPr-n	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SN(Pr-i)C(O)OBu-n	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SO ₂ CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	SO ₂ Et	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NH ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHPr-i	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHCH ₂ C≡CH	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	N(CH ₃) ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHCHO	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHC(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHC(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHC(O)CF ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHC(O)Ph	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHC(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHC(O)OEt	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHC(O)OBu-t	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHC(O)NHCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHC(O)NHPh	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	N(CH ₃)C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	N[C(O)CH ₃] ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHPh	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHSO ₂ CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHSO ₂ NH ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHSO ₂ NHCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHSO ₂ NHPh	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	NHSO ₂ Ph	CH ₂ (D-47a)

3,5-Cl ₂	CF ₃	N=CHCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	N=C(CH ₃) ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	N=CHPh	CH ₂ (D-47a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47b)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47b)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47c)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47c)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47c)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47c)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47c)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47d)F
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47d)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47d)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47d)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47d)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47d)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47d)NO ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47d)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47e)F
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47e)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47e)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47e)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47e)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47e)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47e)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47f)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-47g)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-47a)(R)
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-47a)(S)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH(CH ₃)(D-47a)(R)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH(CH ₃)(D-47a)(R)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH(CH ₃)(D-47a)(R)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH(CH ₃)(D-47a)(R)
3,5-Cl ₂	CF ₃	C(O)Et	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	C(O)Et	CH(CH ₃)(D-47a)(R)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)(R)

3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-47a)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-47a)(R)
3,5-Cl ₂	CF ₃	H	CH(CF ₃)(D-47a)(S)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH(CF ₃)(D-47a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH(CF ₃)(D-47a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH(CF ₃)(D-47a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH(CF ₃)(D-47a)
3,5-Cl ₂	CF ₃	C(O)Et	CH(CF ₃)(D-47a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH(CF ₃)(D-47a)
3,5-Cl ₂	CF ₃	H	CH(CN)(D-47a)
3,5-Cl ₂	CF ₃	H	CH(CN)(D-47a)(R)
3,5-Cl ₂	CF ₃	H	CH(CN)(D-47a)(S)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48b)F
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48b)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48b)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48b)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48c)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48c)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48c)CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48d)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48d)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48d)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48d)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48e)F
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48e)Cl
3,5-Cl ₂	CF ₃	CH ₃	CH ₂ (D-48e)Cl
3,5-Cl ₂	CF ₃	Et	CH ₂ (D-48e)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48e)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48e)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48e)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48e)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48e)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48e)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48f)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-48g)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-49a)
3,5-Cl ₂	CF ₃	c-Pr	CH ₂ (D-49a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-49b)F
3,5-Cl ₂	CF ₃	Et	CH ₂ (D-49b)F
3,5-Cl ₂	CF ₃	H	CH ₂ (D-49b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-49b)Br

3,5-Cl ₂	CF ₃	H	CH ₂ (D-49b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-49b)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-49c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-49c)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-49c)NO ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-49c)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-49d)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-50a)
3,5-Cl ₂	CF ₃	CH ₂ CN	CH ₂ (D-50a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-50a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	CH ₂ (D-50a)
3,5-Cl ₂	CF ₃	C(O)Et	CH ₂ (D-50a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-50a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50b)CF ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50b)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50c)F
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50c)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50c)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50c)NO ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50c)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-50c)C(O)NH ₂
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-50a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51b)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51b)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51b)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51c)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51c)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51c)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51c)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51d)F
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51d)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-51d)CN
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-51a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-52a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-52b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-52b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-52b)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-52b)SCH ₃

3,5-Cl ₂	CF ₃	H	CH ₂ (D-52c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-52c)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53b)Br
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53b)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53b)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53b)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53b)C(O)NH ₂
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53c)F
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53c)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53c)CH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53c)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53c)CN
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53d)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53d)OCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53d)SCH ₃
3,5-Cl ₂	CF ₃	H	CH ₂ (D-53d)CN
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-53a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-54a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-54b)Cl
3,5-Cl ₂	CF ₃	H	CH ₂ (D-54b)OCH ₃
3,5-Cl ₂	CF ₃	H	CH(CH ₃)(D-54a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-55a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-56a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-57a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-58a)
3,5-Cl ₂	CF ₃	H	CH ₂ (D-59a)
3,5-Cl ₂	CF ₃	H	CH ₂ CH ₂ (D-48a)
3,5-Cl ₂	CF ₃	H	OCH ₃
3,5-Cl ₂	CF ₃	H	OCH ₂ CH=CHCl
3,5-Cl ₂	CF ₃	H	OCH ₂ Ph
3,5-Cl ₂	CF ₃	H	N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	N(Et) ₂
3,5-Cl ₂	CF ₃	H	N(Pr-n) ₂
3,5-Cl ₂	CF ₃	H	N(CH ₃)Bu-n
3,5-Cl ₂	CF ₃	H	N(Bu-n) ₂
3,5-Cl ₂	CF ₃	H	N(Bu-i) ₂
3,5-Cl ₂	CF ₃	H	T-27
3,5-Cl ₂	CF ₃	H	T-28
3,5-Cl ₂	CF ₃	H	T-29
3,5-Cl ₂	CF ₃	H	T-34
3,5-Cl ₂	CF ₃	H	T-38
3,5-Cl ₂	CF ₃	H	NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	N(CH ₃)CH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	T-35

3,5-Cl ₂	CF ₃	H	T-37
3,5-Cl ₂	CF ₃	H	N(CH ₂ CH=CH ₂) ₂
3,5-Cl ₂	CF ₃	H	NHCHO
3,5-Cl ₂	CF ₃	H	N(CH ₃)CHO
3,5-Cl ₂	CF ₃	H	N(Et)CHO
3,5-Cl ₂	CF ₃	H	N(Bu-n)CHO
3,5-Cl ₂	CF ₃	H	N(Ph)CHO
3,5-Cl ₂	CF ₃	H	NHC(O)CH ₃
3,5-Cl ₂	CF ₃	H	N(CH ₃)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	N(Ph)C(O)CH ₃
3,5-Cl ₂	CF ₃	H	N(Ph)C(O)Et
3,5-Cl ₂	CF ₃	H	N(CH ₂ Ph)C(O)CH ₂ OPh
3,5-Cl ₂	CF ₃	H	NHC(O)Ph
3,5-Cl ₂	CF ₃	H	NHC(O)OCH ₃
3,5-Cl ₂	CF ₃	H	N(CH ₃)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	N(Ph)C(O)OCH ₃
3,5-Cl ₂	CF ₃	H	NHC(O)OPh
3,5-Cl ₂	CF ₃	H	NHC(O)OCH ₂ Ph
3,5-Cl ₂	CF ₃	H	N(Ph)C(O)SCH ₃
3,5-Cl ₂	CF ₃	H	N(Ph)C(S)OCH ₃
3,5-Cl ₂	CF ₃	H	N(CH ₃)C(S)SCH ₃
3,5-Cl ₂	CF ₃	H	N(Ph)C(S)SCH ₃
3,5-Cl ₂	CF ₃	H	N(CH ₃)C(S)NH ₂
3,5-Cl ₂	CF ₃	H	N(CH ₃)C(S)NHCH ₃
3,5-Cl ₂	CF ₃	H	NHC(S)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	N(CH ₃)C(S)NHPh
3,5-Cl ₂	CF ₃	H	N(Ph)C(S)NHPh
3,5-Cl ₂	CF ₃	H	T-31
3,5-Cl ₂	CF ₃	H	T-33
3,5-Cl ₂	CF ₃	H	NHPh
3,5-Cl ₂	CF ₃	H	N(CH ₃)Ph
3,5-Cl ₂	CF ₃	CH ₃	N(CH ₃)Ph
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	N(CH ₃)Ph
3,5-Cl ₂	CF ₃	CH ₂ CN	N(CH ₃)Ph
3,5-Cl ₂	CF ₃	CH ₂ CH=CH ₂	N(CH ₃)Ph
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	N(CH ₃)Ph
3,5-Cl ₂	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3,5-Cl ₂	CF ₃	C(O)Et	N(CH ₃)Ph
3,5-Cl ₂	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,5-Cl ₂	CF ₃	H	N(CH ₂ OCH ₃)Ph
3,5-Cl ₂	CF ₃	H	N(CH ₂ OEt)Ph
3,5-Cl ₂	CF ₃	H	N(CH ₂ SCH ₃)Ph
3,5-Cl ₂	CF ₃	H	N(CH ₂ CN)Ph
3,5-Cl ₂	CF ₃	H	N(CH ₂ CH=CH ₂)Ph
3,5-Cl ₂	CF ₃	H	N(CH ₂ C≡CH)Ph
3,5-Cl ₂	CF ₃	H	N(CH ₂ Ph)Ph

3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-2-F)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-3-F)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-F)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-2-Cl)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-3-Cl)
3,5-Cl ₂	CF ₃	H	NH(Ph-4-Cl)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-Cl)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-Br)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-2-CH ₃)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-3-CH ₃)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-CH ₃)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-CF ₃)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-OCH ₃)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-OCHF ₂)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-OCF ₃)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-SCH ₃)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-SO ₂ CH ₃)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-SCF ₃)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-SO ₂ NH ₂)
3,5-Cl ₂	CF ₃	H	N(CH ₃)[Ph-4-N(CH ₃) ₂]
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-2-NO ₂)
3,5-Cl ₂	CF ₃	H	NH(Ph-3-NO ₂)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-3-NO ₂)
3,5-Cl ₂	CF ₃	H	NH(Ph-4-NO ₂)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-NO ₂)
3,5-Cl ₂	CF ₃	H	NH(Ph-4-CN)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-4-CN)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-2,4-F ₂)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-2,5-F ₂)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-2,6-F ₂)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-3,4-F ₂)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(Ph-3,5-F ₂)
3,5-Cl ₂	CF ₃	H	NH(D-3a)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(D-3a)
3,5-Cl ₂	CF ₃	H	NH(D-4a)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(D-4a)
3,5-Cl ₂	CF ₃	H	NH(D-21a)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(D-21a)
3,5-Cl ₂	CF ₃	H	N(Et)(D-21a)
3,5-Cl ₂	CF ₃	H	NH(D-47a)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	CH ₂ CN	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	C(O)Et	N(CH ₃)(D-47a)

3,5-Cl ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₃	H	N(Et)(D-47a)
3,5-Cl ₂	CF ₃	H	NH(D-47b)Cl
3,5-Cl ₂	CF ₃	H	NH(D-47d)F
3,5-Cl ₂	CF ₃	H	NH(D-47d)Cl
3,5-Cl ₂	CF ₃	H	N(CH ₃)(D-47d)Cl
3,5-Cl ₂	CF ₃	H	NH(D-47d)CF ₃
3,5-Cl ₂	CF ₃	H	NH(D-47d)NO ₂
3,5-Cl ₂	CF ₃	H	NH(D-47e)Cl
3,5-Cl ₂	CF ₃	H	NH(D-47e)OCH ₃
3,5-Cl ₂	CF ₃	H	NH(D-47f)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(D-47f)
3,5-Cl ₂	CF ₃	H	NH(D-50a)
3,5-Cl ₂	CF ₃	CH ₃	NH(D-50a)
3,5-Cl ₂	CF ₃	Et	NH(D-50a)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₃	CH ₂ CN	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₃	CH ₂ C≡CH	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₃	H	N(Et)(D-50a)
3,5-Cl ₂	CF ₃	H	NH(D-50b)CF ₃
3,5-Cl ₂	CF ₃	H	NH(D-51a)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(D-51a)
3,5-Cl ₂	CF ₃	H	NH(D-53a)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(D-53a)
3,5-Cl ₂	CF ₃	H	NH(D-53b)CH ₃
3,5-Cl ₂	CF ₃	H	NH(D-53b)OCH ₃
3,5-Cl ₂	CF ₃	H	NH(D-53c)CH ₃
3,5-Cl ₂	CF ₃	H	NH(D-54a)
3,5-Cl ₂	CF ₃	H	N(CH ₃)(D-54a)
3,5-Cl ₂	CF ₃	H	NH(D-54b)Cl
3,5-Cl ₂	CF ₃	H	NH(D-54b)CH ₃
3,5-Cl ₂	CF ₃	H	NH(D-54b)OCH ₃
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₃
3,5-Cl ₂	CF ₃	H	C(O)N(CH ₃) ₂
3,5-Cl ₂	CF ₃	H	C(O)NHET
3,5-Cl ₂	CF ₃	H	C(O)N(CH ₃)Et
3,5-Cl ₂	CF ₃	H	C(O)N(Et) ₂
3,5-Cl ₂	CF ₃	H	C(O)NHPr-n
3,5-Cl ₂	CF ₃	H	C(O)N(CH ₃)Pr-n
3,5-Cl ₂	CF ₃	H	C(O)N(Pr-n) ₂
3,5-Cl ₂	CF ₃	H	C(O)NHPr-i
3,5-Cl ₂	CF ₃	H	C(O)N(CH ₃)Pr-i

3,5-Cl ₂	CF ₃	H	C(O)NHPr-c
3,5-Cl ₂	CF ₃	H	C(O)NHBu-n
3,5-Cl ₂	CF ₃	H	C(O)NHBu-i
3,5-Cl ₂	CF ₃	H	C(O)NHBu-s
3,5-Cl ₂	CF ₃	H	C(O)NHBu-c
3,5-Cl ₂	CF ₃	H	C(O)NHBu-t
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CH ₂ F
3,5-Cl ₂	CF ₃	H	C(O)N(CH ₃)CH ₂ CH ₂ F
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	C(O)N(CH ₃)CH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CH ₂ Br
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	C(O)N(CH ₃)CH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CN
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	C(O)N(CH ₃)CH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	C(O)N(CH ₂ CH=CH ₂) ₂
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ CCl=CH ₂
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	C(O)N(CH ₃)CH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ Ph
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ (D-22a)
3,5-Cl ₂	CF ₃	H	C(O)NHCH ₂ (D-47a)
3,5-Cl ₂	CF ₃	H	C(O)NHPh
3,5-Cl ₂	CF ₃	H	C(O)(T-28)
3,5-Cl ₂	CF ₃	H	C(O)(T-30)
3,5-Cl ₂	CF ₃	H	C(O)(T-32)
3,5-Cl ₂	CF ₃	H	C(O)(T-34)
3,5-Cl ₂	CF ₃	H	C(O)(T-35)
3,5-Cl ₂	CF ₃	H	C(O)(T-36)
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₃
3,5-Cl ₂	CF ₃	H	C(S)NHet
3,5-Cl ₂	CF ₃	H	C(S)NHPr-n
3,5-Cl ₂	CF ₃	H	C(S)NHPr-i
3,5-Cl ₂	CF ₃	H	C(S)NHPr-c
3,5-Cl ₂	CF ₃	H	C(S)NHBu-n
3,5-Cl ₂	CF ₃	H	C(S)NHBu-i
3,5-Cl ₂	CF ₃	H	C(S)NHBu-s
3,5-Cl ₂	CF ₃	H	C(S)NHBu-c
3,5-Cl ₂	CF ₃	H	C(S)NHBu-t
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CH ₂ F
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CH ₂ Cl

3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CH ₂ Br
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CN
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CH=CH ₂
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ CCl=CH ₂
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ C≡CH
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ Ph
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ (D-22a)
3,5-Cl ₂	CF ₃	H	C(S)NHCH ₂ (D-47a)
3,5-Cl ₂	CF ₃	H	C(S)NHPh
3,5-Cl ₂	CF ₃	H	Ph-4-F
3,5-Cl ₂	CF ₃	H	Ph-4-Cl
3,5-Cl ₂	CF ₃	H	Ph-4-CH ₂ SCH ₃
3,5-Cl ₂	CF ₃	H	Ph-4-CH ₂ S(O)CH ₃
3,5-Cl ₂	CF ₃	H	Ph-4-CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	Ph-4-OCH ₃
3,5-Cl ₂	CF ₃	H	Ph-4-OCHF ₂
3,5-Cl ₂	CF ₃	H	Ph-4-OSO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	Ph-4-SCH ₃
3,5-Cl ₂	CF ₃	H	Ph-4-S(O)CH ₃
3,5-Cl ₂	CF ₃	H	Ph-4-SO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	Ph-4-SO ₂ NH ₂
3,5-Cl ₂	CF ₃	H	Ph-4-NHC(O)CH ₃
3,5-Cl ₂	CF ₃	H	Ph-4-NHSO ₂ CH ₃
3,5-Cl ₂	CF ₃	H	Ph-4-NO ₂
3,5-Cl ₂	CF ₃	H	Ph-2-CN
3,5-Cl ₂	CF ₃	H	Ph-3-CN
3,5-Cl ₂	CF ₃	H	Ph-4-CN
3,5-Cl ₂	CF ₃	H	Ph-4-C(O)NH ₂
3,5-Cl ₂	CF ₃	H	Ph-4-C(S)NH ₂
3,5-Cl ₂	CF ₃	H	D-8a
3,5-Cl ₂	CF ₃	H	(D-8b)CH ₃
3,5-Cl ₂	CF ₃	H	D-9a
3,5-Cl ₂	CF ₃	H	(D-10b)CH ₃
3,5-Cl ₂	CF ₃	H	(D-11b)CH ₃
3,5-Cl ₂	CF ₃	H	(D-12b)Cl
3,5-Cl ₂	CF ₃	H	(D-13b)CH ₃
3,5-Cl ₂	CF ₃	H	(D-15a)CH ₃
3,5-Cl ₂	CF ₃	H	(D-16b)CH ₃
3,5-Cl ₂	CF ₃	H	(D-17a)CH ₃
3,5-Cl ₂	CF ₃	H	D-21a
3,5-Cl ₂	CF ₃	H	(D-21b)CH ₃

3,5-Cl ₂	CF ₃	H	(D-21c)Cl
3,5-Cl ₂	CF ₃	H	(D-21c)CH ₃
3,5-Cl ₂	CF ₃	H	(D-21c)NO ₂
3,5-Cl ₂	CF ₃	H	D-22a
3,5-Cl ₂	CF ₃	H	D-23a
3,5-Cl ₂	CF ₃	H	(D-26a)CH ₃
3,5-Cl ₂	CF ₃	H	(D-27a)CH ₃
3,5-Cl ₂	CF ₃	H	D-29a
3,5-Cl ₂	CF ₃	H	(D-30b)CH ₃
3,5-Cl ₂	CF ₃	H	(D-31b)Cl
3,5-Cl ₂	CF ₃	H	(D-31b)CH ₃
3,5-Cl ₂	CF ₃	H	(D-32a)CH ₃
3,5-Cl ₂	CF ₃	H	D-33a
3,5-Cl ₂	CF ₃	H	(D-33b)CH ₃
3,5-Cl ₂	CF ₃	H	D-34a
3,5-Cl ₂	CF ₃	H	(D-34b)CH ₃
3,5-Cl ₂	CF ₃	H	D-35a
3,5-Cl ₂	CF ₃	H	(D-35b)CH ₃
3,5-Cl ₂	CF ₃	H	D-36a
3,5-Cl ₂	CF ₃	H	(D-36b)CH ₃
3,5-Cl ₂	CF ₃	H	D-37a
3,5-Cl ₂	CF ₃	H	(D-39a)CH ₃
3,5-Cl ₂	CF ₃	H	(D-40a)CH ₃
3,5-Cl ₂	CF ₃	H	(D-42a)CH ₃
3,5-Cl ₂	CF ₃	H	(D-45b)CH ₃
3,5-Cl ₂	CF ₃	H	D-47a
3,5-Cl ₂	CF ₃	H	D-48a
3,5-Cl ₂	CF ₃	H	D-49a
3,5-Cl ₂	CF ₃	H	D-50a
3,5-Cl ₂	CF ₃	H	D-51a
3,5-Cl ₂	CF ₃	H	D-52a
3,5-Cl ₂	CF ₃	H	D-53a
3,5-Cl ₂	CF ₃	H	D-54a
3,5-Cl ₂	CF ₃	H	D-55a
3,5-Cl ₂	CF ₃	H	D-56a
3,5-Cl ₂	CF ₃	H	D-58a
3,5-Cl ₂	CF ₂ Cl	H	Et
3,5-Cl ₂	CF ₂ Cl	Et	Et
3,5-Cl ₂	CF ₂ Cl	H	c-Pr
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ Pr-c
3,5-Cl ₂	CF ₂ Cl	H	c-Bu
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ Cl	CH ₂ OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ Cl	CH ₂ CN	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ Cl	CH ₂ C≡CH	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃

3,5-Cl ₂	CF ₂ Cl	C(O)Et	CH ₂ CF ₃	
3,5-Cl ₂	CF ₂ Cl	C(O)Pr-c	CH ₂ CF ₃	
3,5-Cl ₂	CF ₂ Cl	C(O)Bu-t	CH ₂ CF ₃	
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ CF ₃	
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₂ CH ₂ OCH ₃		CH ₂ CF ₃
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₂ CH=CH ₂		CH ₂ CF ₃
3,5-Cl ₂	CF ₂ Cl	C(O)SCH ₃	CH ₂ CF ₃	
3,5-Cl ₂	CF ₂ Cl	C(S)OCH ₃	CH ₂ CF ₃	
3,5-Cl ₂	CF ₂ Cl	C(S)SCH ₃	CH ₂ CF ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CF ₂ CF ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CH ₂ OCH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH(CH ₃)CH ₂ OCH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CH(OCH ₃) ₂	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (E-4a)	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (E-5a)	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (E-10a)	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CH ₂ SCH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CH ₂ S(O)CH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CH ₂ SO ₂ CH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CH(CH ₃)SCH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CH(CH ₃)S(O)CH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CH(CH ₃)SO ₂ CH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH(CH ₃)CH ₂ SCH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH(CH ₃)CH ₂ S(O)CH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH(CH ₃)CH ₂ SO ₂ CH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(O)CH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CH=NOCH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(CH ₃)=NOCH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CN	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(O)NHCH ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(O)N(CH ₃) ₂	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(O)NH ₂	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ F	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH=CH ₂	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ C≡CH	
3,5-Cl ₂	CF ₂ Cl	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ Cl	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C(S)NH ₂	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CH=CH ₂	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CCl=CH ₂	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ CCl=CHCl	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ C≡CH	
3,5-Cl ₂	CF ₂ Cl	H	CH(CH ₃)Ph(R)	
3,5-Cl ₂	CF ₂ Cl	H	CH(CF ₃)Ph	
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (Ph-4-F)	

3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (Ph-4-OCH ₃)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (Ph-4-NO ₂)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (Ph-4-CN)
3,5-Cl ₂	CF ₂ Cl	H	CH(CH ₃)(D-1a)(R)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ Cl	CH ₂ OCH ₃	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ Cl	CH ₂ CN	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ Cl	CH ₂ C≡CH	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ Cl	C(O)Et	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ Cl	CH ₂ OCH ₃	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ Cl	CH ₂ CN	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ Cl	CH ₂ C≡CH	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ Cl	C(O)Et	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-19a)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-21a)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	CH ₂ OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	CH ₂ CN	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	CH ₂ C≡CH	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	C(O)Pr-c	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	C(O)Bu-t	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	C(O)SCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	C(S)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	C(S)SCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Cl	H	CH(CH ₃)(D-22a)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-28a)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-34a)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-35a)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-38a)
3,5-Cl ₂	CF ₂ Cl	H	CH(CF ₃)(D-38a)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)

3,5-Cl ₂	CF ₂ Cl	C(O)Pr-c	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)Bu-t	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)SCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	C(S)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	C(S)SCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Cl	H	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-50a)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-51a)
3,5-Cl ₂	CF ₂ Cl	H	CH ₂ (D-53a)
3,5-Cl ₂	CF ₂ Cl	H	NHNHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ Cl	H	N(CH ₃)Ph
3,5-Cl ₂	CF ₂ Cl	C(O)CH ₃	N(CH ₃)Ph
3,5-Cl ₂	CF ₂ Cl	C(O)Et	N(CH ₃)Ph
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)Ph
3,5-Cl ₂	CF ₂ Cl	H	N(CH ₂ C≡CH)Ph
3,5-Cl ₂	CF ₂ Cl	H	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)CH ₃	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)Et	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ Cl	H	NH(D-50a)
3,5-Cl ₂	CF ₂ Cl	CH ₃	NH(D-50a)
3,5-Cl ₂	CF ₂ Cl	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ Cl	C(O)CH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ Cl	C(O)Et	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ Cl	H	(D-13b)CH ₃
3,5-Cl ₂	CF ₂ Cl	H	(D-15a)CH ₃
3,5-Cl ₂	CF ₂ Cl	H	D-21a
3,5-Cl ₂	CF ₂ Cl	H	D-47a
3,5-Cl ₂	CF ₂ Cl	H	D-50a
3,5-Cl ₂	CF ₂ Cl	H	D-51a
3,5-Cl ₂	CF ₂ Br	H	CH ₂ Pr-c
3,5-Cl ₂	CF ₂ Br	H	c-Bu
3,5-Cl ₂	CF ₂ Br	H	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ Br	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ Br	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ Br	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ Br	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₂ Br	H	CH ₂ (E-10a)
3,5-Cl ₂	CF ₂ Br	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3,5-Cl ₂	CF ₂ Br	H	CH ₂ CH=NOCH ₃
3,5-Cl ₂	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl

3,5-Cl ₂	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ Br	H	CH(CH ₃)Ph(R)
3,5-Cl ₂	CF ₂ Br	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ Br	H	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ Br	H	CH ₂ (D-21a)
3,5-Cl ₂	CF ₂ Br	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Br	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Br	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Br	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ Br	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Br	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Br	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Br	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Br	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Br	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Br	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ Br	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ Br	H	N(CH ₃)Ph
3,5-Cl ₂	CF ₂ Br	C(O)OCH ₃	N(CH ₃)Ph
3,5-Cl ₂	CF ₂ Br	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ Br	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ Br	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ Br	H	(D-13b)CH ₃
3,5-Cl ₂	CF ₂ Br	H	(D-15a)CH ₃
3,5-Cl ₂	CF ₂ I	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CFCI ₂	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CFCIBr	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CFBr ₂	H	CH ₂ (D-22a)
3,5-Cl ₂	CCl ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CHF ₂	H	c-Bu
3,5-Cl ₂	CF ₂ CHF ₂	H	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ CHF ₂	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ CHF ₂	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ CHF ₂	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ CHF ₂	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₂ CHF ₂	H	CH ₂ (E-10a)
3,5-Cl ₂	CF ₂ CHF ₂	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₂ CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ CHF ₂	H	CH(CH ₃)Ph(R)
3,5-Cl ₂	CF ₂ CHF ₂	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ CHF ₂	H	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ CHF ₂	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CHF ₂	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CHF ₂	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CHF ₂	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CHF ₂	H	CH ₂ (D-47a)

3,5-Cl ₂	CF ₂ CHF ₂	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CHF ₂	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CHF ₂	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CHF ₂	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CHF ₂	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ CHF ₂	H	N(CH ₃)Ph
3,5-Cl ₂	CF ₂ CHF ₂	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ CHF ₂	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ CF ₃	H	c-Bu
3,5-Cl ₂	CF ₂ CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ CF ₃	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ CF ₃	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₂ CF ₃	H	CH ₂ (E-10a)
3,5-Cl ₂	CF ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ CF ₃	H	CH(CH ₃)Ph(R)
3,5-Cl ₂	CF ₂ CF ₃	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ CF ₃	H	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CF ₃	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ CF ₃	H	N(CH ₃)Ph
3,5-Cl ₂	CF ₂ CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CFCICF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CFCICF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ CF ₂ Br	H	CH ₂ (D-22a)
3,5-Cl ₂	CFBrCF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CHF ₂ CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CF ₂ CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ CF ₂ CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ CF ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₂ CF ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ CF ₂ CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CF ₂ CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CF ₂ CF ₃	CH ₂ CN	CH ₂ (D-47a)

3,5-Cl ₂	CF ₂ CF ₂ CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CF ₂ CF ₃	H	CH(CH ₃)Ph(R)
3,5-Cl ₂	CF ₂ CF ₂ CF ₃	H	N(CH ₃)Ph
3,5-Cl ₂	CF ₂ CF ₂ CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF(CF ₃) ₂	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ CFCICF ₂ Cl	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CFBrCF ₂ Cl	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CF ₂ CF ₂ CHF ₂		C(O)Et CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CF ₂ CF ₂ CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF(CF ₃)CF ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ CF ₂ CF ₂ CF ₂ Cl	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ CF ₂ CF ₂ CF ₂ CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	T-3	H	c-Bu
3,5-Cl ₂	T-3	H	CH ₂ CF ₃
3,5-Cl ₂	T-3	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	T-3	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂	T-3	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	T-3	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	T-3	H	CH ₂ (E-10a)
3,5-Cl ₂	T-3	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	T-3	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	T-3	H	CH(CH ₃)Ph(R)
3,5-Cl ₂	T-3	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	T-3	H	CH ₂ (D-17b)Cl
3,5-Cl ₂	T-3	H	CH ₂ (D-22a)
3,5-Cl ₂	T-3	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	T-3	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂	T-3	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	T-3	H	CH ₂ (D-47a)
3,5-Cl ₂	T-3	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	T-3	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	T-3	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	T-3	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	T-3	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	T-3	H	N(CH ₃)Ph
3,5-Cl ₂	T-3	H	N(CH ₃)(D-50a)
3,5-Cl ₂	T-3	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	T-4	H	CH ₂ CF ₃
3,5-Cl ₂	T-4	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	T-4	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	T-4	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	T-4	H	CH ₂ (D-22a)
3,5-Cl ₂	T-4	H	CH ₂ (D-47a)
3,5-Cl ₂	T-4	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	T-4	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	T-4	H	CH(CH ₃)Ph(R)

3,5-Cl ₂	T-4	H	N(CH ₃)Ph
3,5-Cl ₂	T-4	H	N(CH ₃)(D-50a)
3,5-Cl ₂	T-5	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CH ₂ OCH ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CH ₂ OEt	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CH ₂ OCH ₂ CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂	CH ₂ OCH(CF ₃) ₂	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ OCH ₃	H	c-Bu
3,5-Cl ₂	CF ₂ OCH ₃	H	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ OCH ₃	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ OCH ₃	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ OCH ₃	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ OCH ₃	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂	CF ₂ OCH ₃	H	CH ₂ (E-10a)
3,5-Cl ₂	CF ₂ OCH ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂	CF ₂ OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ OCH ₃	H	CH(CH ₃)Ph(R)
3,5-Cl ₂	CF ₂ OCH ₃	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂	CF ₂ OCH ₃	H	CH ₂ (D-17b)Cl
3,5-Cl ₂	CF ₂ OCH ₃	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ OCH ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ OCH ₃	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ OCH ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ OCH ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ OCH ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ OCH ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ OCH ₃	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ OCH ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ OCH ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂	CF ₂ OCH ₃	H	N(CH ₃)Ph
3,5-Cl ₂	CF ₂ OCH ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ OCH ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ OCF ₂ CF ₂ CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ OCF ₂ CF ₂ OCF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF(CF ₃)OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF(CF ₃)OCF ₂ CF ₂ CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂	CH ₂ SCH ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	CH ₂ SO ₂ CH ₃	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CH ₂ SEt	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CH ₂ SCF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CH ₂ SPh	H	CH ₂ (D-22a)
3,5-Cl ₂	CH ₂ CH ₂ SCH ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	CH ₂ CH ₂ SCF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ SCH ₃	H	CH ₂ CF ₃
3,5-Cl ₂	CF ₂ SCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ SCH ₃	H	CH ₂ (D-22a)

3,5-Cl ₂	CF ₂ SCH ₃	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ SEt	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ SPr-n	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ SPr-i	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ SCH ₂ Ph	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ SPh	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ CN	H	N(CH ₃)(D-50a)
3,5-Cl ₂	CF ₂ C(O)OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	CF ₂ C(O)OEt	H	CH ₂ (D-22a)
3,5-Cl ₂	CF ₂ C(O)NH ₂	H	CH ₂ (D-47a)
3,5-Cl ₂	CF ₂ SO ₂ N(CH ₃) ₂	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂	CN	H	N(CH ₃)(D-50a)
3,5-Cl ₂	C(O)OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	C(O)NH ₂	H	CH ₂ (D-22a)
3,5-Cl ₂	C(S)NH ₂	H	CH ₂ (D-47a)
3,5-Cl ₂	C(CH ₃)=NOCH ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂	Ph	H	N(CH ₃)(D-50a)
3,5-Cl ₂	Ph-2-F	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	Ph-3-F	H	CH ₂ (D-22a)
3,5-Cl ₂	Ph-4-F	H	CH ₂ (D-47a)
3,5-Cl ₂	Ph-2-Cl	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂	Ph-3-Cl	H	N(CH ₃)(D-50a)
3,5-Cl ₂	Ph-4-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂	OCH ₃	H	CH ₂ (D-22a)
3,5-Cl ₂	OEt	H	CH ₂ (D-47a)
3,5-Cl ₂	OCH ₂ CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-4-F	CF ₃	H	CH ₂ Pr-c
3-Br-4-F	CF ₃	H	c-Bu
3-Br-4-F	CF ₃	H	CH ₂ CF ₃
3-Br-4-F	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Br-4-F	CF ₃	C(O)Et	CH ₂ CF ₃
3-Br-4-F	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Br-4-F	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Br-4-F	CF ₃	H	CH ₂ (E-10a)
3-Br-4-F	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-Br-4-F	CF ₃	H	CH ₂ CH=NOCH ₃
3-Br-4-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-4-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-4-F	CF ₃	H	CH(CH ₃)Ph(R)
3-Br-4-F	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Br-4-F	CF ₃	H	CH ₂ (D-17b)Cl
3-Br-4-F	CF ₃	H	CH ₂ (D-21a)
3-Br-4-F	CF ₃	H	CH ₂ (D-22a)
3-Br-4-F	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Br-4-F	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Br-4-F	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)

3-Br-4-F	CF ₃	H	CH ₂ (D-47a)
3-Br-4-F	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-Br-4-F	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Br-4-F	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-Br-4-F	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-4-F	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Br-4-F	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-4-F	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Br-4-F	CF ₃	H	N(CH ₃)Ph
3-Br-4-F	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-Br-4-F	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-Br-4-F	CF ₃	H	N(CH ₃)(D-50a)
3-Br-4-F	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Br-4-F	CF ₃	H	(D-13b)CH ₃
3-Br-4-F	CF ₃	H	(D-15a)CH ₃
2-F-4-Br	CF ₃	H	N(CH ₃)(D-50a)
3-F-4-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2-F-5-Br	CF ₃	H	CH ₂ (D-22a)
3-F-5-Br	CHF ₂	H	CH ₂ (D-47a)
3-F-5-Br	CHCl ₂	C(O)Et	CH ₂ (D-47a)
3-F-5-Br	CF ₃	H	Et
3-F-5-Br	CF ₃	Et	Et
3-F-5-Br	CF ₃	H	CH ₂ Pr-c
3-F-5-Br	CF ₃	H	c-Bu
3-F-5-Br	CF ₃	H	CH ₂ CF ₃
3-F-5-Br	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-F-5-Br	CF ₃	C(O)Et	CH ₂ CF ₃
3-F-5-Br	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-F-5-Br	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-F-5-Br	CF ₃	H	CH ₂ CH(OCH ₃) ₂
3-F-5-Br	CF ₃	H	CH ₂ (E-4a)
3-F-5-Br	CF ₃	H	CH ₂ (E-5a)
3-F-5-Br	CF ₃	H	CH ₂ (E-10a)
3-F-5-Br	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃
3-F-5-Br	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃
3-F-5-Br	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-F-5-Br	CF ₃	H	CH ₂ CH=NOCH ₃
3-F-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3-F-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-F-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂
3-F-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3-F-5-Br	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CF ₃
3-F-5-Br	CF ₃	H	CH ₂ CH=CH ₂
3-F-5-Br	CF ₃	H	CH ₂ CCl=CH ₂
3-F-5-Br	CF ₃	H	CH ₂ C≡CH

3-F-5-Br	CF ₃	H	CH(CH ₃)Ph(R)
3-F-5-Br	CF ₃	H	CH(CF ₃)Ph
3-F-5-Br	CF ₃	H	CH ₂ (D-17a)CH ₃
3-F-5-Br	CF ₃	H	CH ₂ (D-17b)Cl
3-F-5-Br	CF ₃	H	CH ₂ (D-21a)
3-F-5-Br	CF ₃	H	CH ₂ (D-22a)
3-F-5-Br	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-F-5-Br	CF ₃	C(O)Et	CH ₂ (D-22a)
3-F-5-Br	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-F-5-Br	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3-F-5-Br	CF ₃	H	CH ₂ (D-28a)
3-F-5-Br	CF ₃	H	CH ₂ (D-34a)
3-F-5-Br	CF ₃	H	CH ₂ (D-35a)
3-F-5-Br	CF ₃	H	CH ₂ (D-38a)
3-F-5-Br	CF ₃	H	CH ₂ (D-47a)
3-F-5-Br	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-F-5-Br	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-F-5-Br	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-F-5-Br	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-F-5-Br	CF ₃	C(O)Et	CH ₂ (D-47a)
3-F-5-Br	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-F-5-Br	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3-F-5-Br	CF ₃	H	CH(CH ₃)(D-47a)
3-F-5-Br	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-F-5-Br	CF ₃	H	CH ₂ (D-50a)
3-F-5-Br	CF ₃	H	CH ₂ (D-51a)
3-F-5-Br	CF ₃	H	CH ₂ (D-53a)
3-F-5-Br	CF ₃	H	N(CH ₃)Ph
3-F-5-Br	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3-F-5-Br	CF ₃	C(O)Et	N(CH ₃)Ph
3-F-5-Br	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-F-5-Br	CF ₃	H	N(CH ₃)(D-47a)
3-F-5-Br	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3-F-5-Br	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3-F-5-Br	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-F-5-Br	CF ₃	H	NH(D-50a)
3-F-5-Br	CF ₃	H	N(CH ₃)(D-50a)
3-F-5-Br	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3-F-5-Br	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3-F-5-Br	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-F-5-Br	CF ₃	H	(D-13b)CH ₃
3-F-5-Br	CF ₃	H	(D-15a)CH ₃
3-F-5-Br	CF ₃	H	D-21a
3-F-5-Br	CF ₃	H	D-50a
3-F-5-Br	CF ₂ Cl	H	CH ₂ CF ₃
3-F-5-Br	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃

3-F-5-Br	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-F-5-Br	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-Br	CF ₂ Cl	H	CH ₂ (D-22a)
3-F-5-Br	CF ₂ Cl	H	CH ₂ (D-47a)
3-F-5-Br	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3-F-5-Br	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3-F-5-Br	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3-F-5-Br	CF ₂ Cl	H	N(CH ₃)Ph
3-F-5-Br	CF ₂ Cl	H	N(CH ₃)(D-50a)
3-F-5-Br	CF ₂ Br	H	CH ₂ CF ₃
3-F-5-Br	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-Br	CF ₂ Br	H	CH ₂ (D-22a)
3-F-5-Br	CF ₂ Br	H	CH ₂ (D-47a)
3-F-5-Br	CF ₂ CHF ₂	H	N(CH ₃)(D-50a)
3-F-5-Br	CF ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-Br	CF ₂ OCH ₃	H	CH ₂ (D-22a)
3-Cl-5-Br	CHF ₂	H	CH ₂ CF ₃
3-Cl-5-Br	CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-Br	CHF ₂	H	CH ₂ (D-22a)
3-Cl-5-Br	CHF ₂	H	CH ₂ (D-47a)
3-Cl-5-Br	CHFCI	H	CH ₂ (D-47a)
3-Cl-5-Br	CHCl ₂	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-Br	CHFBBr	H	N(CH ₃)(D-50a)
3-Cl-5-Br	CF ₃	H	Et
3-Cl-5-Br	CF ₃	Et	Et
3-Cl-5-Br	CF ₃	H	c-Pr
3-Cl-5-Br	CF ₃	H	CH ₂ Pr-c
3-Cl-5-Br	CF ₃	H	c-Bu
3-Cl-5-Br	CF ₃	H	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	CH ₂ OCH ₃	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	CH ₂ CN	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	CH ₂ C≡CH	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	C(O)Et	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	C(O)Pr-c	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	C(O)Bu-t	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	C(O)SCH ₃	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	C(S)OCH ₃	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	C(S)SCH ₃	CH ₂ CF ₃
3-Cl-5-Br	CF ₃	H	CH ₂ CF ₂ CF ₃
3-Cl-5-Br	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Cl-5-Br	CF ₃	H	CH(CH ₃)CH ₂ OCH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ CH(OCH ₃) ₂

3-Cl-5-Br	CF ₃	H	CH ₂ (E-4a)
3-Cl-5-Br	CF ₃	H	CH ₂ (E-5a)
3-Cl-5-Br	CF ₃	H	CH ₂ (E-10a)
3-Cl-5-Br	CF ₃	H	CH ₂ CH ₂ SCH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ CH ₂ S(O)CH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ CH(CH ₃)SCH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ CH(CH ₃)S(O)CH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃
3-Cl-5-Br	CF ₃	H	CH(CH ₃)CH ₂ SCH ₃
3-Cl-5-Br	CF ₃	H	CH(CH ₃)CH ₂ S(O)CH ₃
3-Cl-5-Br	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ C(O)CH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ CH=NOCH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ CN
3-Cl-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ C(O)N(CH ₃) ₂
3-Cl-5-Br	CF ₃	H	CH ₂ C(O)NHEt
3-Cl-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3-Cl-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂
3-Cl-5-Br	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3-Cl-5-Br	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-Br	CF ₃	H	CH ₂ C(S)NHEt
3-Cl-5-Br	CF ₃	H	CH ₂ CH=CH ₂
3-Cl-5-Br	CF ₃	H	CH ₂ CCl=CH ₂
3-Cl-5-Br	CF ₃	H	CH ₂ CCl=CHCl
3-Cl-5-Br	CF ₃	H	CH ₂ C≡CH
3-Cl-5-Br	CF ₃	H	CH(CH ₃)Ph(R)
3-Cl-5-Br	CF ₃	H	CH(CF ₃)Ph
3-Cl-5-Br	CF ₃	H	CH ₂ (Ph-4-F)
3-Cl-5-Br	CF ₃	H	CH ₂ (Ph-4-OCH ₃)
3-Cl-5-Br	CF ₃	H	CH ₂ (Ph-4-NO ₂)
3-Cl-5-Br	CF ₃	H	CH ₂ (Ph-4-CN)
3-Cl-5-Br	CF ₃	H	CH(CH ₃)(D-1a)(R)
3-Cl-5-Br	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Cl-5-Br	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17a)CH ₃
3-Cl-5-Br	CF ₃	CH ₂ CN	CH ₂ (D-17a)CH ₃
3-Cl-5-Br	CF ₃	CH ₂ C≡CH	CH ₂ (D-17a)CH ₃
3-Cl-5-Br	CF ₃	C(O)CH ₃	CH ₂ (D-17a)CH ₃
3-Cl-5-Br	CF ₃	C(O)Et	CH ₂ (D-17a)CH ₃
3-Cl-5-Br	CF ₃	C(O)OCH ₃	CH ₂ (D-17a)CH ₃
3-Cl-5-Br	CF ₃	H	CH ₂ (D-17b)Cl
3-Cl-5-Br	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17b)Cl

3-Cl-5-Br	CF ₃	CH ₂ CN	CH ₂ (D-17b)Cl	
3-Cl-5-Br	CF ₃	CH ₂ C≡CH	CH ₂ (D-17b)Cl	
3-Cl-5-Br	CF ₃	C(O)CH ₃	CH ₂ (D-17b)Cl	
3-Cl-5-Br	CF ₃	C(O)Et	CH ₂ (D-17b)Cl	
3-Cl-5-Br	CF ₃	C(O)OCH ₃	CH ₂ (D-17b)Cl	
3-Cl-5-Br	CF ₃	H	CH ₂ (D-19a)	
3-Cl-5-Br	CF ₃	H	CH ₂ (D-21a)	
3-Cl-5-Br	CF ₃	H	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	CH ₂ OCH ₃	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	CH ₂ CN	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	CH ₂ C≡CH	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	C(O)CH ₃	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	C(O)Et	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	C(O)Pr-c	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	C(O)Bu-t	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-22a)	CH ₂ (D-22a)
3-Cl-5-Br	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)	CH ₂ (D-22a)
3-Cl-5-Br	CF ₃	C(O)SCH ₃	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	C(S)OCH ₃	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	C(S)SCH ₃	CH ₂ (D-22a)	
3-Cl-5-Br	CF ₃	H	CH(CH ₃)(D-22a)	
3-Cl-5-Br	CF ₃	H	CH ₂ (D-28a)	
3-Cl-5-Br	CF ₃	H	CH ₂ (D-34a)	
3-Cl-5-Br	CF ₃	H	CH ₂ (D-35a)	
3-Cl-5-Br	CF ₃	H	CH ₂ (D-38a)	
3-Cl-5-Br	CF ₃	H	CH(CF ₃)(D-38a)	
3-Cl-5-Br	CF ₃	H	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	CH ₂ CN	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	C(O)CH ₃	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	C(O)Et	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	C(O)Pr-c	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	C(O)Bu-t	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	C(O)CH ₂ OCH ₃	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	C(O)CH ₂ SCH ₃	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-47a)	CH ₂ (D-47a)
3-Cl-5-Br	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)	CH ₂ (D-47a)
3-Cl-5-Br	CF ₃	C(O)SCH ₃	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	C(S)OCH ₃	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	C(S)SCH ₃	CH ₂ (D-47a)	
3-Cl-5-Br	CF ₃	H	CH(CH ₃)(D-47a)	

3-Cl-5-Br	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Cl-5-Br	CF ₃	H	CH ₂ (D-50a)
3-Cl-5-Br	CF ₃	H	CH ₂ (D-51a)
3-Cl-5-Br	CF ₃	H	CH ₂ (D-53a)
3-Cl-5-Br	CF ₃	H	NHNHCH ₂ CF ₃
3-Cl-5-Br	CF ₃	H	N(CH ₃)Ph
3-Cl-5-Br	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3-Cl-5-Br	CF ₃	C(O)Et	N(CH ₃)Ph
3-Cl-5-Br	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-Cl-5-Br	CF ₃	H	N(CH ₂ C≡CH)Ph
3-Cl-5-Br	CF ₃	H	N(CH ₃)(D-47a)
3-Cl-5-Br	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3-Cl-5-Br	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3-Cl-5-Br	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-Cl-5-Br	CF ₃	H	NH(D-50a)
3-Cl-5-Br	CF ₃	CH ₃	NH(D-50a)
3-Cl-5-Br	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-Br	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3-Cl-5-Br	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3-Cl-5-Br	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Cl-5-Br	CF ₃	H	(D-13b)CH ₃
3-Cl-5-Br	CF ₃	H	(D-15a)CH ₃
3-Cl-5-Br	CF ₃	H	D-21a
3-Cl-5-Br	CF ₃	H	D-47a
3-Cl-5-Br	CF ₃	H	D-50a
3-Cl-5-Br	CF ₃	H	D-51a
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ Pr-c
3-Cl-5-Br	CF ₂ Cl	H	c-Bu
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ CF ₃
3-Cl-5-Br	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃
3-Cl-5-Br	CF ₂ Cl	C(O)Et	CH ₂ CF ₃
3-Cl-5-Br	CF ₂ Cl	C(O)OCH ₃	CH ₂ CF ₃
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ CH ₂ OCH ₃
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ (E-10a)
3-Cl-5-Br	CF ₂ Cl	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ CH=NOCH ₃
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-Br	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ (D-17a)CH ₃
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ (D-17b)Cl
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ (D-21a)
3-Cl-5-Br	CF ₂ Cl	H	CH ₂ (D-22a)
3-Cl-5-Br	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-22a)
3-Cl-5-Br	CF ₂ Cl	C(O)Et	CH ₂ (D-22a)
3-Cl-5-Br	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-22a)

3-Cl-5-Br	CF ₂ Cl	H	CH ₂ (D-47a)
3-Cl-5-Br	CF ₂ Cl	CH ₂ OCH ₃	CH ₂ (D-47a)
3-Cl-5-Br	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-Br	CF ₂ Cl	CH ₂ C≡CH	CH ₂ (D-47a)
3-Cl-5-Br	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-5-Br	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3-Cl-5-Br	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-Br	CF ₂ Cl	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Cl-5-Br	CF ₂ Cl	H	N(CH ₃)Ph
3-Cl-5-Br	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)Ph
3-Cl-5-Br	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-47a)
3-Cl-5-Br	CF ₂ Cl	H	N(CH ₃)(D-50a)
3-Cl-5-Br	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Cl-5-Br	CF ₂ Cl	H	(D-13b)CH ₃
3-Cl-5-Br	CF ₂ Cl	H	(D-15a)CH ₃
3-Cl-5-Br	CF ₂ Br	H	CH ₂ CF ₃
3-Cl-5-Br	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-Br	CF ₂ Br	H	CH ₂ (D-22a)
3-Cl-5-Br	CF ₂ Br	H	CH ₂ (D-47a)
3-Cl-5-Br	CF ₂ CHF ₂	H	CH ₂ CF ₃
3-Cl-5-Br	CF ₂ CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-Br	CF ₂ CHF ₂	H	CH ₂ (D-22a)
3-Cl-5-Br	CF ₂ CHF ₂	H	CH ₂ (D-47a)
3-Cl-5-Br	CF ₂ CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-Br	CF ₂ OCH ₃	H	N(CH ₃)(D-50a)
3-Cl-5-Br	CF ₂ SCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4-Br ₂	CF ₃	H	c-Bu
3,4-Br ₂	CF ₃	H	CH ₂ CF ₃
3,4-Br ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,4-Br ₂	CF ₃	C(O)Et	CH ₂ CF ₃
3,4-Br ₂	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,4-Br ₂	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,4-Br ₂	CF ₃	H	CH ₂ (E-10a)
3,4-Br ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,4-Br ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4-Br ₂	CF ₃	H	CH(CH ₃)Ph(R)
3,4-Br ₂	CF ₃	H	CH ₂ (D-17a)CH ₃
3,4-Br ₂	CF ₃	H	CH ₂ (D-17b)Cl
3,4-Br ₂	CF ₃	H	CH ₂ (D-22a)
3,4-Br ₂	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,4-Br ₂	CF ₃	C(O)Et	CH ₂ (D-22a)
3,4-Br ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,4-Br ₂	CF ₃	H	CH ₂ (D-47a)
3,4-Br ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,4-Br ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,4-Br ₂	CF ₃	C(O)Et	CH ₂ (D-47a)

3,4-Br ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)	
3,4-Br ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)	
3,4-Br ₂	CF ₃	H	N(CH ₃)Ph	
3,4-Br ₂	CF ₃	H	N(CH ₃)(D-50a)	
3,4-Br ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)	
3,5-Br ₂	CHF ₂	H	CH ₂ CF ₃	
3,5-Br ₂	CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃	
3,5-Br ₂	CHF ₂	H	CH ₂ (D-22a)	
3,5-Br ₂	CHF ₂	H	CH ₂ (D-47a)	
3,5-Br ₂	CHFCI	H	CH ₂ (D-22a)	
3,5-Br ₂	CHCl ₂	H	CH ₂ (D-47a)	
3,5-Br ₂	CHFBr	C(O)CH ₃	CH ₂ (D-47a)	
3,5-Br ₂	CF ₃	H	Et	
3,5-Br ₂	CF ₃	Et	Et	
3,5-Br ₂	CF ₃	H	c-Pr	
3,5-Br ₂	CF ₃	H	CH ₂ Pr-c	
3,5-Br ₂	CF ₃	H	c-Bu	
3,5-Br ₂	CF ₃	H	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	CH ₂ OCH ₃	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	CH ₂ CN	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	CH ₂ C≡CH	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	C(O)Et	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	C(O)Pr-c	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	C(O)Bu-t	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	C(O)OCH ₃	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃		CH ₂ CF ₃
3,5-Br ₂	CF ₃	C(O)OCH ₂ CH=CH ₂		CH ₂ CF ₃
3,5-Br ₂	CF ₃	C(O)SCH ₃	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	C(S)OCH ₃	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	C(S)SCH ₃	CH ₂ CF ₃	
3,5-Br ₂	CF ₃	H	CH ₂ CF ₂ CF ₃	
3,5-Br ₂	CF ₃	H	CH ₂ CH ₂ OCH ₃	
3,5-Br ₂	CF ₃	H	CH(CH ₃)CH ₂ OCH ₃	
3,5-Br ₂	CF ₃	H	CH ₂ CH(OCH ₃) ₂	
3,5-Br ₂	CF ₃	H	CH ₂ (E-4a)	
3,5-Br ₂	CF ₃	H	CH ₂ (E-5a)	
3,5-Br ₂	CF ₃	H	CH ₂ (E-10a)	
3,5-Br ₂	CF ₃	H	CH ₂ CH ₂ SCH ₃	
3,5-Br ₂	CF ₃	H	CH ₂ CH ₂ S(O)CH ₃	
3,5-Br ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃	
3,5-Br ₂	CF ₃	H	CH ₂ CH(CH ₃)SCH ₃	
3,5-Br ₂	CF ₃	H	CH ₂ CH(CH ₃)S(O)CH ₃	
3,5-Br ₂	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃	
3,5-Br ₂	CF ₃	H	CH(CH ₃)CH ₂ SCH ₃	
3,5-Br ₂	CF ₃	H	CH(CH ₃)CH ₂ S(O)CH ₃	

3,5-Br ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3,5-Br ₂	CF ₃	H	CH ₂ C(O)CH ₃
3,5-Br ₂	CF ₃	H	CH ₂ CH=NOCH ₃
3,5-Br ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₃
3,5-Br ₂	CF ₃	H	CH ₂ CN
3,5-Br ₂	CF ₃	H	CH ₂ C(O)NHCH ₃
3,5-Br ₂	CF ₃	H	CH ₂ C(O)N(CH ₃) ₂
3,5-Br ₂	CF ₃	H	CH ₂ C(O)NH ₂
3,5-Br ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3,5-Br ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Br ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂
3,5-Br ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3,5-Br ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ Cl
3,5-Br ₂	CF ₃	H	CH ₂ C(S)NH ₂
3,5-Br ₂	CF ₃	H	CH ₂ CH=CH ₂
3,5-Br ₂	CF ₃	H	CH ₂ CCl=CH ₂
3,5-Br ₂	CF ₃	H	CH ₂ CCl=CHCl
3,5-Br ₂	CF ₃	H	CH ₂ C≡CH
3,5-Br ₂	CF ₃	H	CH(CH ₃)Ph(R)
3,5-Br ₂	CF ₃	H	CH(CF ₃)Ph
3,5-Br ₂	CF ₃	H	CH ₂ (Ph-4-F)
3,5-Br ₂	CF ₃	H	CH ₂ (Ph-4-OCH ₃)
3,5-Br ₂	CF ₃	H	CH ₂ (Ph-4-NO ₂)
3,5-Br ₂	CF ₃	H	CH ₂ (Ph-4-CN)
3,5-Br ₂	CF ₃	H	CH(CH ₃)(D-1a)(R)
3,5-Br ₂	CF ₃	H	CH ₂ (D-17a)CH ₃
3,5-Br ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17a)CH ₃
3,5-Br ₂	CF ₃	CH ₂ CN	CH ₂ (D-17a)CH ₃
3,5-Br ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-17a)CH ₃
3,5-Br ₂	CF ₃	C(O)CH ₃	CH ₂ (D-17a)CH ₃
3,5-Br ₂	CF ₃	C(O)Et	CH ₂ (D-17a)CH ₃
3,5-Br ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-17a)CH ₃
3,5-Br ₂	CF ₃	H	CH ₂ (D-17b)Cl
3,5-Br ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17b)Cl
3,5-Br ₂	CF ₃	CH ₂ CN	CH ₂ (D-17b)Cl
3,5-Br ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-17b)Cl
3,5-Br ₂	CF ₃	C(O)CH ₃	CH ₂ (D-17b)Cl
3,5-Br ₂	CF ₃	C(O)Et	CH ₂ (D-17b)Cl
3,5-Br ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-17b)Cl
3,5-Br ₂	CF ₃	H	CH ₂ (D-19a)
3,5-Br ₂	CF ₃	H	CH ₂ (D-21a)
3,5-Br ₂	CF ₃	H	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	CH ₂ CN	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-22a)

3,5-Br ₂	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	C(O)Et	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	C(O)Pr-c	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	C(O)Bu-t	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	C(O)SCH ₃	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	C(S)OCH ₃	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	C(S)SCH ₃	CH ₂ (D-22a)
3,5-Br ₂	CF ₃	H	CH(CH ₃)(D-22a)
3,5-Br ₂	CF ₃	H	CH ₂ (D-28a)
3,5-Br ₂	CF ₃	H	CH ₂ (D-34a)
3,5-Br ₂	CF ₃	H	CH ₂ (D-35a)
3,5-Br ₂	CF ₃	H	CH ₂ (D-38a)
3,5-Br ₂	CF ₃	H	CH(CF ₃)(D-38a)
3,5-Br ₂	CF ₃	H	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(O)Pr-c	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(O)Bu-t	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(O)CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(O)CH ₂ SCH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(O)SCH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(S)OCH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	C(S)SCH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₃	H	CH(CH ₃)(D-47a)
3,5-Br ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Br ₂	CF ₃	H	CH ₂ (D-50a)
3,5-Br ₂	CF ₃	H	CH ₂ (D-51a)
3,5-Br ₂	CF ₃	H	CH ₂ (D-53a)
3,5-Br ₂	CF ₃	H	NHNHCH ₂ CF ₃
3,5-Br ₂	CF ₃	H	N(CH ₃)Ph
3,5-Br ₂	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3,5-Br ₂	CF ₃	C(O)Et	N(CH ₃)Ph
3,5-Br ₂	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,5-Br ₂	CF ₃	H	N(CH ₂ C≡CH)Ph
3,5-Br ₂	CF ₃	H	N(CH ₃)(D-47a)
3,5-Br ₂	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3,5-Br ₂	CF ₃	C(O)Et	N(CH ₃)(D-47a)

3,5-Br ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Br ₂	CF ₃	H	NH(D-50a)
3,5-Br ₂	CF ₃	CH ₃	NH(D-50a)
3,5-Br ₂	CF ₃	H	N(CH ₃)(D-50a)
3,5-Br ₂	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3,5-Br ₂	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3,5-Br ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Br ₂	CF ₃	H	(D-13b)CH ₃
3,5-Br ₂	CF ₃	H	(D-15a)CH ₃
3,5-Br ₂	CF ₃	H	D-21a
3,5-Br ₂	CF ₃	H	D-47a
3,5-Br ₂	CF ₃	H	D-50a
3,5-Br ₂	CF ₃	H	D-51a
3,5-Br ₂	CF ₂ Cl	H	CH ₂ Pr-c
3,5-Br ₂	CF ₂ Cl	H	c-Bu
3,5-Br ₂	CF ₂ Cl	H	CH ₂ CF ₃
3,5-Br ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃
3,5-Br ₂	CF ₂ Cl	C(O)Et	CH ₂ CF ₃
3,5-Br ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ CF ₃
3,5-Br ₂	CF ₂ Cl	H	CH ₂ CH ₂ OCH ₃
3,5-Br ₂	CF ₂ Cl	H	CH ₂ (E-10a)
3,5-Br ₂	CF ₂ Cl	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3,5-Br ₂	CF ₂ Cl	H	CH ₂ CH=NOCH ₃
3,5-Br ₂	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Br ₂	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3,5-Br ₂	CF ₂ Cl	H	CH ₂ (D-17a)CH ₃
3,5-Br ₂	CF ₂ Cl	H	CH ₂ (D-17b)Cl
3,5-Br ₂	CF ₂ Cl	H	CH ₂ (D-21a)
3,5-Br ₂	CF ₂ Cl	H	CH ₂ (D-22a)
3,5-Br ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-22a)
3,5-Br ₂	CF ₂ Cl	C(O)Et	CH ₂ (D-22a)
3,5-Br ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Br ₂	CF ₂ Cl	H	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ Cl	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ Cl	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ Cl	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Br ₂	CF ₂ Cl	H	N(CH ₃)Ph
3,5-Br ₂	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)Ph
3,5-Br ₂	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Br ₂	CF ₂ Cl	H	N(CH ₃)(D-50a)
3,5-Br ₂	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-50a)

3,5-Br ₂	CF ₂ Cl	H	(D-13b)CH ₃
3,5-Br ₂	CF ₂ Cl	H	(D-15a)CH ₃
3,5-Br ₂	CF ₂ Br	H	CH ₂ CF ₃
3,5-Br ₂	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂	CF ₂ Br	H	CH ₂ (D-22a)
3,5-Br ₂	CF ₂ Br	H	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ CHF ₂	H	CH ₂ CF ₃
3,5-Br ₂	CF ₂ CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂	CF ₂ CHF ₂	H	CH ₂ (D-22a)
3,5-Br ₂	CF ₂ CHF ₂	H	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ CF ₃	H	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ OCH ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Br ₂	CF ₂ SCH ₃	H	N(CH ₃)(D-50a)
3-F-5-I	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-I	CF ₃	H	CH ₂ (D-22a)
3,5-I ₂	CF ₃	H	CH ₂ (D-47a)
3-CH ₃ -4-F	CF ₃	C(O)Et	CH ₂ (D-47a)
3-F-4-CH ₃	CF ₃	H	N(CH ₃)(D-50a)
2-F-5-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-CH ₃	CF ₃	H	CH ₂ CF ₃
3-F-5-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-CH ₃	CF ₃	H	CH ₂ (D-22a)
3-F-5-CH ₃	CF ₃	H	CH ₂ (D-47a)
3-CH ₃ -4-Cl	CF ₃	H	CH ₂ (D-22a)
3-Cl-4-CH ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-CH ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-5-CH ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Cl-5-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-CH ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-CH ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-CH ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-CH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-5-CH ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-Cl-5-CH ₃	CF ₃	H	N(CH ₃)Ph
3-Cl-5-CH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -4-Br	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-CH ₃	CF ₃	H	CH ₂ CF ₃
3-Br-5-CH ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Br-5-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-CH ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-CH ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-CH ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Br-5-CH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Br-5-CH ₃	CF ₃	H	CH(CH ₃)Ph(R)

3-Br-5-CH ₃	CF ₃	H	N(CH ₃)Ph
3-Br-5-CH ₃	CF ₃	H	N(CH ₃)(D-50a)
2,4-(CH ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
2,6-(CH ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4-(CH ₃) ₂	CF ₃	H	CH ₂ (D-22a)
3,5-(CH ₃) ₂	CF ₃	H	CH ₂ CF ₃
3,5-(CH ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-(CH ₃) ₂	CF ₃	H	CH ₂ (D-22a)
3,5-(CH ₃) ₂	CF ₃	H	CH ₂ (D-47a)
3-Br-5-Et	CF ₃	H	CH ₂ (D-47a)
3-CH ₃ -5-Et	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-(Et) ₂	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-Pr-i	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-Pr-i	CF ₃	H	CH ₂ (D-22a)
3-CH ₃ -5-Pr-i	CF ₃	H	CH ₂ (D-47a)
3,5-(Pr-i) ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CH ₃ -5-Bu-n	CF ₃	H	N(CH ₃)(D-50a)
3,5-(Bu-s) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-Bu-t	CF ₃	H	CH ₂ (D-22a)
3-Br-5-Bu-t	CF ₃	H	CH ₂ (D-47a)
3-CH ₃ -5-Bu-t	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-(Bu-t) ₂	CF ₃	H	N(CH ₃)(D-50a)
2-CF ₃ -4-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2-CF ₃ -5-F	CF ₃	H	CH ₂ (D-22a)
2-F-3-CF ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -4-F	CF ₃	H	CH ₂ Pr-c
3-CF ₃ -4-F	CF ₃	H	c-Bu
3-CF ₃ -4-F	CF ₃	H	CH ₂ CF ₃
3-CF ₃ -4-F	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-CF ₃ -4-F	CF ₃	C(O)Et	CH ₂ CF ₃
3-CF ₃ -4-F	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-CF ₃ -4-F	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-CF ₃ -4-F	CF ₃	H	CH ₂ (E-10a)
3-CF ₃ -4-F	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-CF ₃ -4-F	CF ₃	H	CH ₂ CH=NOCH ₃
3-CF ₃ -4-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CF ₃ -4-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃ -4-F	CF ₃	H	CH(CH ₃)Ph(R)
3-CF ₃ -4-F	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CF ₃ -4-F	CF ₃	H	CH ₂ (D-17b)Cl
3-CF ₃ -4-F	CF ₃	H	CH ₂ (D-21a)
3-CF ₃ -4-F	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -4-F	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CF ₃ -4-F	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CF ₃ -4-F	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CF ₃ -4-F	CF ₃	H	CH ₂ (D-47a)

3-CF ₃ -4-F	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-CF ₃ -4-F	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CF ₃ -4-F	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-CF ₃ -4-F	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF ₃ -4-F	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF ₃ -4-F	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₃ -4-F	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CF ₃ -4-F	CF ₃	H	N(CH ₃)Ph
3-CF ₃ -4-F	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-CF ₃ -4-F	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-CF ₃ -4-F	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₃ -4-F	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-CF ₃ -4-F	CF ₃	H	(D-13b)CH ₃
3-CF ₃ -4-F	CF ₃	H	(D-15a)CH ₃
2-F-4-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-F-4-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
2-F-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-CF ₃	CHF ₂	H	CH ₂ (D-22a)
3-F-5-CF ₃	CHCl ₂	H	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₃	H	Et
3-F-5-CF ₃	CF ₃	Et	Et
3-F-5-CF ₃	CF ₃	H	CH ₂ Pr-c
3-F-5-CF ₃	CF ₃	H	c-Bu
3-F-5-CF ₃	CF ₃	H	CH ₂ CF ₃
3-F-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-F-5-CF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-F-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-F-5-CF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-F-5-CF ₃	CF ₃	H	CH ₂ CH(OCH ₃) ₂
3-F-5-CF ₃	CF ₃	H	CH ₂ (E-4a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (E-5a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (E-10a)
3-F-5-CF ₃	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃
3-F-5-CF ₃	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃
3-F-5-CF ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-F-5-CF ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3-F-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3-F-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-F-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂
3-F-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3-F-5-CF ₃	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CF ₃
3-F-5-CF ₃	CF ₃	H	CH ₂ CH=CH ₂
3-F-5-CF ₃	CF ₃	H	CH ₂ CCl=CH ₂
3-F-5-CF ₃	CF ₃	H	CH ₂ C≡CH
3-F-5-CF ₃	CF ₃	H	CH(CH ₃)Ph(R)

3-F-5-CF ₃	CF ₃	H	CH(CF ₃)Ph
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-21a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-22a)
3-F-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-F-5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-F-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-F-5-CF ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-28a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-34a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-35a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-38a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₃	H	CH(CH ₃)(D-47a)
3-F-5-CF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-50a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-51a)
3-F-5-CF ₃	CF ₃	H	CH ₂ (D-53a)
3-F-5-CF ₃	CF ₃	H	N(CH ₃)Ph
3-F-5-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3-F-5-CF ₃	CF ₃	C(O)Et	N(CH ₃)Ph
3-F-5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-F-5-CF ₃	CF ₃	H	N(CH ₃)(D-47a)
3-F-5-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3-F-5-CF ₃	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3-F-5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-F-5-CF ₃	CF ₃	H	NH(D-50a)
3-F-5-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-F-5-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3-F-5-CF ₃	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3-F-5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-F-5-CF ₃	CF ₃	H	(D-13b)CH ₃
3-F-5-CF ₃	CF ₃	H	(D-15a)CH ₃
3-F-5-CF ₃	CF ₃	H	D-21a
3-F-5-CF ₃	CF ₃	H	D-50a
3-F-5-CF ₃	CF ₂ Cl	H	CH ₂ CF ₃
3-F-5-CF ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃
3-F-5-CF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl

3-F-5-CF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-CF ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3-F-5-CF ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3-F-5-CF ₃	CF ₂ Cl	H	N(CH ₃)Ph
3-F-5-CF ₃	CF ₂ Cl	H	N(CH ₃)(D-50a)
3-F-5-CF ₃	CF ₂ Br	H	CH ₂ CF ₃
3-F-5-CF ₃	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-CF ₃	CF ₂ Br	H	CH ₂ (D-22a)
3-F-5-CF ₃	CF ₂ Br	H	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₂ CHF ₂	CH ₂ CN	CH ₂ (D-47a)
3-F-5-CF ₃	CF ₂ CF ₃	H	N(CH ₃)(D-50a)
3-F-5-CF ₃	CF ₂ OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2-F-6-CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ Pr-c
3-CF ₃ -4-Cl	CF ₃	H	c-Bu
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ CF ₃
3-CF ₃ -4-Cl	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-CF ₃ -4-Cl	CF ₃	C(O)Et	CH ₂ CF ₃
3-CF ₃ -4-Cl	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ (E-10a)
3-CF ₃ -4-Cl	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ CH=NOCH ₃
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃ -4-Cl	CF ₃	H	CH(CH ₃)Ph(R)
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ (D-17b)Cl
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ (D-21a)
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -4-Cl	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CF ₃ -4-Cl	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CF ₃ -4-Cl	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CF ₃ -4-Cl	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -4-Cl	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-CF ₃ -4-Cl	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CF ₃ -4-Cl	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-CF ₃ -4-Cl	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF ₃ -4-Cl	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF ₃ -4-Cl	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₃ -4-Cl	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CF ₃ -4-Cl	CF ₃	H	N(CH ₃)Ph
3-CF ₃ -4-Cl	CF ₃	C(O)OCH ₃	N(CH ₃)Ph

3-CF ₃ -4-Cl	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-CF ₃ -4-Cl	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₃ -4-Cl	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-CF ₃ -4-Cl	CF ₃	H	(D-13b)CH ₃
3-CF ₃ -4-Cl	CF ₃	H	(D-15a)CH ₃
2-Cl-4-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
2-Cl-5-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-CF ₃	CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-CF ₃	CHFCI	H	CH ₂ (D-22a)
3-Cl-5-CF ₃	CHCl ₂	H	CH ₂ (D-47a)
3-Cl-5-CF ₃	CHFBr	C(O)Et	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	H	Et
3-Cl-5-CF ₃	CF ₃	Et	Et
3-Cl-5-CF ₃	CF ₃	H	c-Pr
3-Cl-5-CF ₃	CF ₃	H	CH ₂ Pr-c
3-Cl-5-CF ₃	CF ₃	H	c-Bu
3-Cl-5-CF ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	C(O)Pr-c	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	C(O)Bu-t	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	C(O)SCH ₃	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	C(S)OCH ₃	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	C(S)SCH ₃	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Cl-5-CF ₃	CF ₃	H	CH(CH ₃)CH ₂ OCH ₃
3-Cl-5-CF ₃	CF ₃	H	CH ₂ CH(OCH ₃) ₂
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (E-4a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (E-5a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (E-10a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃
3-Cl-5-CF ₃	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃
3-Cl-5-CF ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-Cl-5-CF ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₃
3-Cl-5-CF ₃	CF ₃	H	CH ₂ CN
3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₃
3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(O)N(CH ₃) ₂
3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(O)NHet
3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂

3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3-Cl-5-CF ₃	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(S)NH ₂ Et
3-Cl-5-CF ₃	CF ₃	H	CH ₂ CH=CH ₂
3-Cl-5-CF ₃	CF ₃	H	CH ₂ CCl=CH ₂
3-Cl-5-CF ₃	CF ₃	H	CH ₂ CCl=CHCl
3-Cl-5-CF ₃	CF ₃	H	CH ₂ C≡CH
3-Cl-5-CF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-Cl-5-CF ₃	CF ₃	H	CH(CF ₃)Ph
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (Ph-4-F)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (Ph-4-OCH ₃)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (Ph-4-NO ₂)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (Ph-4-CN)
3-Cl-5-CF ₃	CF ₃	H	CH(CH ₃)(D-1a)(R)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Cl-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17a)CH ₃
3-Cl-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-17a)CH ₃
3-Cl-5-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-17a)CH ₃
3-Cl-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-17a)CH ₃
3-Cl-5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-17a)CH ₃
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-17a)CH ₃
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-Cl-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17b)Cl
3-Cl-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-17b)Cl
3-Cl-5-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-17b)Cl
3-Cl-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-17b)Cl
3-Cl-5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-17b)Cl
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-17b)Cl
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-19a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-21a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	C(O)Pr-c	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	C(O)Bu-t	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	C(O)SCH ₃	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	C(S)OCH ₃	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	C(S)SCH ₃	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₃	H	CH(CH ₃)(D-22a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-28a)

3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-34a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-35a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-38a)
3-Cl-5-CF ₃	CF ₃	H	CH(CF ₃)(D-38a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)Pr-c	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)Bu-t	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)SCH ₃	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	C(S)OCH ₃	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	C(S)SCH ₃	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₃	H	CH(CH ₃)(D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-50a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-51a)
3-Cl-5-CF ₃	CF ₃	H	CH ₂ (D-53a)
3-Cl-5-CF ₃	CF ₃	H	N(CH ₃)Ph
3-Cl-5-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3-Cl-5-CF ₃	CF ₃	C(O)Et	N(CH ₃)Ph
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-Cl-5-CF ₃	CF ₃	H	N(CH ₂ C≡CH)Ph
3-Cl-5-CF ₃	CF ₃	H	N(CH ₃)(D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-Cl-5-CF ₃	CF ₃	H	NH(D-50a)
3-Cl-5-CF ₃	CF ₃	CH ₃	NH(D-50a)
3-Cl-5-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3-Cl-5-CF ₃	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3-Cl-5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Cl-5-CF ₃	CF ₃	H	(D-13b)CH ₃
3-Cl-5-CF ₃	CF ₃	H	(D-15a)CH ₃
3-Cl-5-CF ₃	CF ₃	H	D-21a
3-Cl-5-CF ₃	CF ₃	H	D-50a
3-Cl-5-CF ₃	CF ₃	H	D-51a
3-Cl-5-CF ₃	CF ₂ Cl	H	c-Bu
3-Cl-5-CF ₃	CF ₂ Cl	H	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃

3-Cl-5-CF ₃	CF ₂ Cl	C(O)Et	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₂ Cl	C(O)OCH ₃	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₂ Cl	H	CH ₂ CH ₂ OCH ₃
3-Cl-5-CF ₃	CF ₂ Cl	H	CH ₂ (E-10a)
3-Cl-5-CF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-CF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-CF ₃	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3-Cl-5-CF ₃	CF ₂ Cl	H	CH ₂ (D-17a)CH ₃
3-Cl-5-CF ₃	CF ₂ Cl	H	CH ₂ (D-17b)Cl
3-Cl-5-CF ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₂ Cl	C(O)Et	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₂ Cl	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Cl-5-CF ₃	CF ₂ Cl	H	N(CH ₃)Ph
3-Cl-5-CF ₃	CF ₂ Cl	H	N(CH ₃)(D-50a)
3-Cl-5-CF ₃	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Cl-5-CF ₃	CF ₂ Br	H	CH ₂ CF ₃
3-Cl-5-CF ₃	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-CF ₃	CF ₂ Br	H	CH ₂ (D-22a)
3-Cl-5-CF ₃	CF ₂ Br	H	CH ₂ (D-47a)
3-Cl-5-CF ₃	CF ₂ CHF ₂	H	N(CH ₃)(D-50a)
3-Cl-5-CF ₃	CF ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-CF ₃	CF ₂ OCH ₃	H	CH ₂ (D-22a)
3-Br-5-CF ₃	CHF ₂	H	CH ₂ (D-47a)
3-Br-5-CF ₃	CHFCI	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-CF ₃	CHCl ₂	H	N(CH ₃)(D-50a)
3-Br-5-CF ₃	CHFBr	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	H	Et
3-Br-5-CF ₃	CF ₃	Et	Et
3-Br-5-CF ₃	CF ₃	H	c-Pr
3-Br-5-CF ₃	CF ₃	H	CH ₂ Pr-c
3-Br-5-CF ₃	CF ₃	H	c-Bu
3-Br-5-CF ₃	CF ₃	H	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	C(O)Pr-c	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	C(O)Bu-t	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃

3-Br-5-CF ₃	CF ₃	C(O)SCH ₃	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	C(S)OCH ₃	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	C(S)SCH ₃	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Br-5-CF ₃	CF ₃	H	CH(CH ₃)CH ₂ OCH ₃
3-Br-5-CF ₃	CF ₃	H	CH ₂ CH(OCH ₃) ₂
3-Br-5-CF ₃	CF ₃	H	CH ₂ (E-4a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (E-5a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (E-10a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃
3-Br-5-CF ₃	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃
3-Br-5-CF ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-Br-5-CF ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3-Br-5-CF ₃	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₃
3-Br-5-CF ₃	CF ₃	H	CH ₂ CN
3-Br-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₃
3-Br-5-CF ₃	CF ₃	H	CH ₂ C(O)N(CH ₃) ₂
3-Br-5-CF ₃	CF ₃	H	CH ₂ C(O)NHet
3-Br-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F
3-Br-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂
3-Br-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH
3-Br-5-CF ₃	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ Cl
3-Br-5-CF ₃	CF ₃	H	CH ₂ C(S)NHet
3-Br-5-CF ₃	CF ₃	H	CH ₂ CH=CH ₂
3-Br-5-CF ₃	CF ₃	H	CH ₂ CCl=CH ₂
3-Br-5-CF ₃	CF ₃	H	CH ₂ CCl=CHCl
3-Br-5-CF ₃	CF ₃	H	CH ₂ C≡CH
3-Br-5-CF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-Br-5-CF ₃	CF ₃	H	CH(CF ₃)Ph
3-Br-5-CF ₃	CF ₃	H	CH ₂ (Ph-4-F)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (Ph-4-OCH ₃)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (Ph-4-NO ₂)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (Ph-4-CN)
3-Br-5-CF ₃	CF ₃	H	CH(CH ₃)(D-1a)(R)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Br-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17a)CH ₃
3-Br-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-17a)CH ₃
3-Br-5-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-17a)CH ₃
3-Br-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-17a)CH ₃
3-Br-5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-17a)CH ₃
3-Br-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-17a)CH ₃
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-Br-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17b)Cl
3-Br-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-17b)Cl

3-Br-5-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-17b)Cl
3-Br-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-17b)Cl
3-Br-5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-17b)Cl
3-Br-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-17b)Cl
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-19a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-21a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	C(O)Pr-c	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	C(O)Bu-t	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	C(O)SCH ₃	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	C(S)OCH ₃	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	C(S)SCH ₃	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₃	H	CH(CH ₃)(D-22a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-28a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-34a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-35a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-38a)
3-Br-5-CF ₃	CF ₃	H	CH(CF ₃)(D-38a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	C(O)Pr-c	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	C(O)Bu-t	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	C(O)SCH ₃	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	C(S)OCH ₃	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	C(S)SCH ₃	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₃	H	CH(CH ₃)(D-47a)
3-Br-5-CF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-50a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-51a)
3-Br-5-CF ₃	CF ₃	H	CH ₂ (D-53a)
3-Br-5-CF ₃	CF ₃	H	N(CH ₃)Ph

3-Br-5-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3-Br-5-CF ₃	CF ₃	C(O)Et	N(CH ₃)Ph
3-Br-5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-Br-5-CF ₃	CF ₃	H	N(CH ₂ C≡CH)Ph
3-Br-5-CF ₃	CF ₃	H	N(CH ₃)(D-47a)
3-Br-5-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3-Br-5-CF ₃	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3-Br-5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-Br-5-CF ₃	CF ₃	H	NH(D-50a)
3-Br-5-CF ₃	CF ₃	CH ₃	NH(D-50a)
3-Br-5-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-CF ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3-Br-5-CF ₃	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3-Br-5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Br-5-CF ₃	CF ₃	H	(D-13b)CH ₃
3-Br-5-CF ₃	CF ₃	H	(D-15a)CH ₃
3-Br-5-CF ₃	CF ₃	H	D-21a
3-Br-5-CF ₃	CF ₃	H	D-50a
3-Br-5-CF ₃	CF ₃	H	D-51a
3-Br-5-CF ₃	CF ₂ Cl	H	c-Bu
3-Br-5-CF ₃	CF ₂ Cl	H	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₂ Cl	C(O)Et	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₂ Cl	C(O)OCH ₃	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₂ Cl	H	CH ₂ CH ₂ OCH ₃
3-Br-5-CF ₃	CF ₂ Cl	H	CH ₂ (E-10a)
3-Br-5-CF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-CF ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-CF ₃	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3-Br-5-CF ₃	CF ₂ Cl	H	CH ₂ (D-17a)CH ₃
3-Br-5-CF ₃	CF ₂ Cl	H	CH ₂ (D-17b)Cl
3-Br-5-CF ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₂ Cl	C(O)Et	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₂ Cl	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Br-5-CF ₃	CF ₂ Cl	H	N(CH ₃)Ph
3-Br-5-CF ₃	CF ₂ Cl	H	N(CH ₃)(D-50a)
3-Br-5-CF ₃	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Br-5-CF ₃	CF ₂ Br	H	CH ₂ CF ₃
3-Br-5-CF ₃	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃

3-Br-5-CF ₃	CF ₂ Br	H	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₂ Br	H	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₂ CHF ₂	H	CH ₂ (D-22a)
3-Br-5-CF ₃	CF ₂ CF ₃	H	CH ₂ (D-47a)
3-Br-5-CF ₃	CF ₂ OCH ₃	CH ₂ CN	CH ₂ (D-47a)
3-CH ₃ -5-CF ₃	CF ₃	H	c-Bu
3-CH ₃ -5-CF ₃	CF ₃	H	CH ₂ CF ₃
3-CH ₃ -5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-CH ₃ -5-CF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-CH ₃ -5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-CH ₃ -5-CF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-CH ₃ -5-CF ₃	CF ₃	H	CH ₂ (E-10a)
3-CH ₃ -5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CH ₃ -5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₃ -5-CF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-CH ₃ -5-CF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CH ₃ -5-CF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-CH ₃ -5-CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CH ₃ -5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CH ₃ -5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CH ₃ -5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CH ₃ -5-CF ₃	CF ₃	H	CH ₂ (D-47a)
3-CH ₃ -5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CH ₃ -5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CH ₃ -5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CH ₃ -5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CH ₃ -5-CF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CH ₃ -5-CF ₃	CF ₃	H	N(CH ₃)Ph
3-CH ₃ -5-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Et-5-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Pr-i-5-CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Bu-t-5-CF ₃	CF ₃	H	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CHF ₂	H	CH ₂ CF ₃
3,5-(CF ₃) ₂	CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-(CF ₃) ₂	CHF ₂	H	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CHF ₂	H	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CHFCI	C(O)Et	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CHCl ₂	H	N(CH ₃)(D-50a)
3,5-(CF ₃) ₂	CHFCBr	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₃	H	Et
3,5-(CF ₃) ₂	CF ₃	Et	Et
3,5-(CF ₃) ₂	CF ₃	H	c-Pr
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ Pr-c
3,5-(CF ₃) ₂	CF ₃	H	c-Bu
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CF ₃

3,5-(CF ₃) ₂	CF ₃	CH ₂ OCH ₃	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	CH ₂ CN	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	CH ₂ C≡CH	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	C(O)Et	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	C(O)Pr-c	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	C(O)Bu-t	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₃	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃		CH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₂ CH=CH ₂		CH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₃	C(O)SCH ₃	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	C(S)OCH ₃	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	C(S)SCH ₃	CH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CF ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CH ₂ OCH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH(CH ₃)CH ₂ OCH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CH(OCH ₃) ₂	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (E-4a)	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (E-5a)	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (E-10a)	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CH ₂ SCH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CH ₂ S(O)CH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CH(CH ₃)SCH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CH(CH ₃)S(O)CH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH(CH ₃)CH ₂ SCH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH(CH ₃)CH ₂ S(O)CH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(O)CH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CH=NOCH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CN	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(O)N(CH ₃) ₂	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NH ₂	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH	
3,5-(CF ₃) ₂	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ Cl	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C(S)NH ₂	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CH=CH ₂	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CCl=CH ₂	
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ CCl=CHCl	

3,5-(CF ₃) ₂	CF ₃	H	CH ₂ C≡CH
3,5-(CF ₃) ₂	CF ₃	H	CH(CH ₃)Ph(R)
3,5-(CF ₃) ₂	CF ₃	H	CH(CF ₃)Ph
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (Ph-4-F)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (Ph-4-OCH ₃)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (Ph-4-NO ₂)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (Ph-4-CN)
3,5-(CF ₃) ₂	CF ₃	H	CH(CH ₃)(D-1a)(R)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-17a)CH ₃
3,5-(CF ₃) ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17a)CH ₃
3,5-(CF ₃) ₂	CF ₃	CH ₂ CN	CH ₂ (D-17a)CH ₃
3,5-(CF ₃) ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-17a)CH ₃
3,5-(CF ₃) ₂	CF ₃	C(O)CH ₃	CH ₂ (D-17a)CH ₃
3,5-(CF ₃) ₂	CF ₃	C(O)Et	CH ₂ (D-17a)CH ₃
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-17a)CH ₃
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-17b)Cl
3,5-(CF ₃) ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17b)Cl
3,5-(CF ₃) ₂	CF ₃	CH ₂ CN	CH ₂ (D-17b)Cl
3,5-(CF ₃) ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-17b)Cl
3,5-(CF ₃) ₂	CF ₃	C(O)CH ₃	CH ₂ (D-17b)Cl
3,5-(CF ₃) ₂	CF ₃	C(O)Et	CH ₂ (D-17b)Cl
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-17b)Cl
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-19a)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-21a)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	CH ₂ CN	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	C(O)Et	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	C(O)Pr-c	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	C(O)Bu-t	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	C(O)SCH ₃	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	C(S)OCH ₃	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	C(S)SCH ₃	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₃	H	CH(CH ₃)(D-22a)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-28a)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-34a)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-35a)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-38a)
3,5-(CF ₃) ₂	CF ₃	H	CH(CF ₃)(D-38a)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)

3,5-(CF ₃) ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)Pr-c	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)Bu-t	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)SCH ₃	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	C(S)OCH ₃	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	C(S)SCH ₃	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₃	H	CH(CH ₃)(D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-50a)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-51a)
3,5-(CF ₃) ₂	CF ₃	H	CH ₂ (D-53a)
3,5-(CF ₃) ₂	CF ₃	H	NHNHCH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₃	H	N(CH ₃)Ph
3,5-(CF ₃) ₂	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3,5-(CF ₃) ₂	CF ₃	C(O)Et	N(CH ₃)Ph
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,5-(CF ₃) ₂	CF ₃	H	N(CH ₂ C≡CH)Ph
3,5-(CF ₃) ₂	CF ₃	H	N(CH ₃)(D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-(CF ₃) ₂	CF ₃	H	NH(D-50a)
3,5-(CF ₃) ₂	CF ₃	CH ₃	NH(D-50a)
3,5-(CF ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
3,5-(CF ₃) ₂	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3,5-(CF ₃) ₂	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3,5-(CF ₃) ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-(CF ₃) ₂	CF ₃	H	(D-13b)CH ₃
3,5-(CF ₃) ₂	CF ₃	H	(D-15a)CH ₃
3,5-(CF ₃) ₂	CF ₃	H	D-21a
3,5-(CF ₃) ₂	CF ₃	H	D-47a
3,5-(CF ₃) ₂	CF ₃	H	D-50a
3,5-(CF ₃) ₂	CF ₃	H	D-51a
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ Pr-c
3,5-(CF ₃) ₂	CF ₂ Cl	H	c-Bu
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)Et	CH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ CH ₂ OCH ₃

3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ (E-10a)
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ CH=NOCH ₃
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ (D-17a)CH ₃
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ (D-17b)Cl
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ (D-21a)
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)Et	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₂ Cl	H	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₂ Cl	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₂ Cl	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-(CF ₃) ₂	CF ₂ Cl	H	N(CH ₃)Ph
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)Ph
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-(CF ₃) ₂	CF ₂ Cl	H	N(CH ₃)(D-50a)
3,5-(CF ₃) ₂	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-(CF ₃) ₂	CF ₂ Cl	H	(D-13b)CH ₃
3,5-(CF ₃) ₂	CF ₂ Cl	H	(D-15a)CH ₃
3,5-(CF ₃) ₂	CF ₂ Br	H	CH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₂ Br	H	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₂ Br	H	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₂ CHF ₂	H	CH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₂ CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-(CF ₃) ₂	CF ₂ CHF ₂	H	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₂ CHF ₂	H	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₂ CF ₃	H	CH ₂ (D-22a)
3,5-(CF ₃) ₂	CF ₂ OCH ₃	H	CH ₂ (D-47a)
3,5-(CF ₃) ₂	CF ₂ SCH ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-CF ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-5-CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-CF ₂ CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-CF ₂ CF ₃	CF ₃	H	N(CH ₃)(D-50a)

3-Br-5-CF ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-Br-5-CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-CF ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-CF ₂ CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-CF ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-CH ₃ -5-CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₃ -5-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CH ₃ -5-CF ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-CF ₂ CF ₂ CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-5-CF ₂ CF ₂ CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-Br-5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-CF ₂ CF ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-CF ₂ CF ₂ CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-CH ₃ -5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₃ -5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CH ₃ -5-CF ₂ CF ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-CF(CF ₃) ₂	CF ₃	H	CH ₂ CF ₃
3-Cl-5-CF(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-CF(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-CF(CF ₃) ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-CF(CF ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-CF(CF ₃) ₂	CF ₃	H	CH ₂ CF ₃
3-Br-5-CF(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-CF(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-22a)
3-Br-5-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-47a)
3-Br-5-CF(CF ₃) ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-CF(CF ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-CF(CF ₃) ₂	CF ₃	H	CH ₂ CF ₃
3-CH ₃ -5-CF(CF ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₃ -5-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-22a)

3-CH ₃ -5-CF(CF ₃) ₂	CF ₃	H	CH ₂ (D-47a)
3-CH ₃ -5-CH ₂ OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-CH ₂ OCH ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃ -5-CH ₂ SCH ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -5-CH ₂ S(O)CH ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -5-CH ₂ SO ₂ CH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ CF ₃
3-Cl-5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (D-47a)
3-Br-5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ CF ₃
3-Br-5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (D-22a)
3-Br-5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (D-47a)
3-CH ₃ -5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ CF ₃
3-CH ₃ -5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₃ -5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (D-22a)
3-CH ₃ -5-C(CF ₃) ₂ OH	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ CF ₃
3-Br-5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-CH ₃ -5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ CF ₃
3-CH ₃ -5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₃ -5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (D-22a)
3-CH ₃ -5-C(CF ₃) ₂ OCH ₃	CF ₃	H	CH ₂ (D-47a)
3,5-(CH ₂ OCH ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
3,5-[C(CF ₃) ₂ OH] ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-[C(CF ₃) ₂ OCH ₃] ₂	CF ₃	H	CH ₂ (D-22a)
3-OCH ₃ -4-F	CF ₃	H	CH ₂ (D-47a)
2-F-4-OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
2-F-5-OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-4-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-OCH ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-OCH ₃	CF ₃	H	CH ₂ CF ₃
3-Br-5-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-OCH ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-OCH ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Br-5-OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-OCH ₃	CF ₃	H	CH ₂ (D-47a)

3-CF ₃ -5-OCH ₃	CF ₃	H	CH ₂ CF ₃
3-CF ₃ -5-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CF ₃ -5-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃ -5-OCH ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -5-OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -5-OCH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF ₃ -5-OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₂ OCH ₃ -5-OCH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CH ₂ SCH ₃ -5-OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-OCH ₃ -4-OH	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2,3-(OCH ₃) ₂	CF ₃	H	CH ₂ (D-22a)
2,4-(OCH ₃) ₂	CF ₃	H	CH ₂ (D-47a)
2,6-(OCH ₃) ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,4-(OCH ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
3,5-(OCH ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OEt-4-Cl	CF ₃	H	CH ₂ (D-22a)
3,5-(OEt) ₂	CF ₃	H	CH ₂ (D-47a)
3,5-(OPr-n) ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-OCH ₂ O-4	CF ₃	H	N(CH ₃)(D-50a)
3-OCH ₂ CH ₂ O-4	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-4-OCHF ₂	CF ₃	H	CH ₂ (D-22a)
3-Cl-4-OCHF ₂	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ Pr-c
3-Cl-5-OCHF ₂	CF ₃	H	c-Bu
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ CF ₃
3-Cl-5-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Cl-5-OCHF ₂	CF ₃	C(O)Et	CH ₂ CF ₃
3-Cl-5-OCHF ₂	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ (E-10a)
3-Cl-5-OCHF ₂	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ CH=NOCH ₃
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-OCHF ₂	CF ₃	H	CH(CH ₃)Ph(R)
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ (D-17b)Cl
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ (D-21a)
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Cl-5-OCHF ₂	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Cl-5-OCHF ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Cl-5-OCHF ₂	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-OCHF ₂	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-Cl-5-OCHF ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-OCHF ₂	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)

3-Cl-5-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-5-OCHF ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-5-OCHF ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-OCHF ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Cl-5-OCHF ₂	CF ₃	H	N(CH ₃)Ph
3-Cl-5-OCHF ₂	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-Cl-5-OCHF ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-Cl-5-OCHF ₂	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-OCHF ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Cl-5-OCHF ₂	CF ₃	H	(D-13b)CH ₃
3-Cl-5-OCHF ₂	CF ₃	H	(D-15a)CH ₃
3-Br-4-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-OCHF ₂	CF ₃	H	c-Bu
3-Br-5-OCHF ₂	CF ₃	H	CH ₂ CF ₃
3-Br-5-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Br-5-OCHF ₂	CF ₃	C(O)Et	CH ₂ CF ₃
3-Br-5-OCHF ₂	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Br-5-OCHF ₂	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Br-5-OCHF ₂	CF ₃	H	CH ₂ (E-10a)
3-Br-5-OCHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-OCHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-OCHF ₂	CF ₃	H	CH(CH ₃)Ph(R)
3-Br-5-OCHF ₂	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Br-5-OCHF ₂	CF ₃	H	CH ₂ (D-17b)Cl
3-Br-5-OCHF ₂	CF ₃	H	CH ₂ (D-22a)
3-Br-5-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Br-5-OCHF ₂	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Br-5-OCHF ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Br-5-OCHF ₂	CF ₃	H	CH ₂ (D-47a)
3-Br-5-OCHF ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Br-5-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-OCHF ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Br-5-OCHF ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-OCHF ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Br-5-OCHF ₂	CF ₃	H	N(CH ₃)Ph
3-Br-5-OCHF ₂	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-OCHF ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Br-5-OCHF ₂	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-OCHF ₂	CF ₃	H	c-Bu
3-CF ₃ -5-OCHF ₂	CF ₃	H	CH ₂ CF ₃
3-CF ₃ -5-OCHF ₂	CF ₃	H	CH ₂ CF ₃
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)Et	CH ₂ CF ₃
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-CF ₃ -5-OCHF ₂	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-CF ₃ -5-OCHF ₂	CF ₃	H	CH ₂ (E-10a)
3-CF ₃ -5-OCHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl

3-CF ₃ -5-OCHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃ -5-OCHF ₂	CF ₃	H	CH(CH ₃)Ph(R)
3-CF ₃ -5-OCHF ₂	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CF ₃ -5-OCHF ₂	CF ₃	H	CH ₂ (D-17b)Cl
3-CF ₃ -5-OCHF ₂	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CF ₃ -5-OCHF ₂	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -5-OCHF ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CF ₃ -5-OCHF ₂	CF ₃	H	N(CH ₃)Ph
3-CF ₃ -5-OCHF ₂	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₃ -5-OCHF ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-(OCHF ₂) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-4-OCF ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-4-OCF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ Pr-c
3-Cl-5-OCF ₃	CF ₃	H	c-Bu
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-5-OCF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Cl-5-OCF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-Cl-5-OCF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ (E-10a)
3-Cl-5-OCF ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-OCF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ (D-21a)
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-OCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Cl-5-OCF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Cl-5-OCF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Cl-5-OCF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-OCF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-Cl-5-OCF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-OCF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-Cl-5-OCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-5-OCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)

3-Cl-5-OCF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-OCF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Cl-5-OCF ₃	CF ₃	H	N(CH ₃)Ph
3-Cl-5-OCF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-Cl-5-OCF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-Cl-5-OCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-OCF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Cl-5-OCF ₃	CF ₃	H	(D-13b)CH ₃
3-Cl-5-OCF ₃	CF ₃	H	(D-15a)CH ₃
3-Br-4-OCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Br-5-OCF ₃	CF ₃	H	c-Bu
3-Br-5-OCF ₃	CF ₃	H	CH ₂ CF ₃
3-Br-5-OCF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Br-5-OCF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-Br-5-OCF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Br-5-OCF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Br-5-OCF ₃	CF ₃	H	CH ₂ (E-10a)
3-Br-5-OCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-OCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-OCF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-Br-5-OCF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Br-5-OCF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-Br-5-OCF ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-OCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Br-5-OCF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Br-5-OCF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Br-5-OCF ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-OCF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Br-5-OCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-OCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Br-5-OCF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-OCF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Br-5-OCF ₃	CF ₃	H	N(CH ₃)Ph
3-Br-5-OCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-OCF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Br-5-OCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-OCF ₃	CF ₃	H	c-Bu
3-CF ₃ -5-OCF ₃	CF ₃	H	CH ₂ CF ₃
3-CF ₃ -5-OCF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-CF ₃ -5-OCF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-CF ₃ -5-OCF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-CF ₃ -5-OCF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-CF ₃ -5-OCF ₃	CF ₃	H	CH ₂ (E-10a)
3-CF ₃ -5-OCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-CF ₃ -5-OCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃ -5-OCF ₃	CF ₃	H	CH(CH ₃)Ph(R)

3-CF ₃ -5-OCF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CF ₃ -5-OCF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-CF ₃ -5-OCF ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -5-OCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CF ₃ -5-OCF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CF ₃ -5-OCF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CF ₃ -5-OCF ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -5-OCF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CF ₃ -5-OCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF ₃ -5-OCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF ₃ -5-OCF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₃ -5-OCF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CF ₃ -5-OCF ₃	CF ₃	H	N(CH ₃)Ph
3-CF ₃ -5-OCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₃ -5-OCF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-F-5-OCF ₂ Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-OCF ₂ Br	CF ₃	H	CH ₂ (D-22a)
3-CH ₃ -5-OCF ₂ Br	CF ₃	H	CH ₂ (D-47a)
3-F-5-OCF ₂ CHF ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-OCF ₂ CHF ₂	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-OCF ₂ CHF ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-OCF ₂ CHFCI	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-OCF ₂ CHFCI	CF ₃	H	CH ₂ (D-47a)
3-Br-5-OCF ₂ CHFCI	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-F-5-OCF ₂ CHFCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-OCF ₂ CHFCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₃ -5-OCF ₂ CHFCF ₃	CF ₃	H	CH ₂ (D-22a)
3-F-5-OCF ₂ CHFOCF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-OCF ₂ CHFOCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CH ₃ -5-OCF ₂ CHFOCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₂ OCF ₂ O-4	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCF ₂ O-4	CF ₃	H	CH ₂ (D-22a)
3-OCF ₂ CF ₂ O-4	CF ₃	H	CH ₂ (D-47a)
3-OPh-4-F	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-5-SCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-S(O)CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-SO ₂ CH ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-SCH ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-S(O)CH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-SO ₂ CH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ Pr-c
3-Cl-5-SCF ₃	CF ₃	H	c-Bu
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-5-SCF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Cl-5-SCF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-Cl-5-SCF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃

3-Cl-5-SCF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ (E-10a)
3-Cl-5-SCF ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-SCF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ (D-21a)
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-SCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Cl-5-SCF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Cl-5-SCF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Cl-5-SCF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-SCF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3-Cl-5-SCF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-SCF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3-Cl-5-SCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-5-SCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-5-SCF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-SCF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Cl-5-SCF ₃	CF ₃	H	N(CH ₃)Ph
3-Cl-5-SCF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3-Cl-5-SCF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3-Cl-5-SCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-SCF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Cl-5-SCF ₃	CF ₃	H	(D-13b)CH ₃
3-Cl-5-SCF ₃	CF ₃	H	(D-15a)CH ₃
3-Cl-5-S(O)CF ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-5-S(O)CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-S(O)CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-S(O)CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-S(O)CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-S(O)CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-S(O)CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-SO ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-5-SO ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-SO ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-SO ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-SO ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-SO ₂ CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-5-SO ₂ CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-SCF ₃	CF ₃	H	c-Bu
3-Br-5-SCF ₃	CF ₃	H	CH ₂ CF ₃
3-Br-5-SCF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃

3-Br-5-SCF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3-Br-5-SCF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Br-5-SCF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Br-5-SCF ₃	CF ₃	H	CH ₂ (E-10a)
3-Br-5-SCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-SCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-SCF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3-Br-5-SCF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Br-5-SCF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3-Br-5-SCF ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-SCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Br-5-SCF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Br-5-SCF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Br-5-SCF ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-SCF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Br-5-SCF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-SCF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Br-5-SCF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-SCF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Br-5-SCF ₃	CF ₃	H	N(CH ₃)Ph
3-Br-5-SCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-SCF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Br-5-S(O)CF ₃	CF ₃	H	CH ₂ CF ₃
3-Br-5-S(O)CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-S(O)CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-S(O)CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-S(O)CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-S(O)CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Br-5-S(O)CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-SO ₂ CF ₃	CF ₃	H	CH ₂ CF ₃
3-Br-5-SO ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-SO ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-SO ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Br-5-SO ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Br-5-SO ₂ CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-SO ₂ CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-SCF ₂ CHFCl	CF ₃	H	CH ₂ CF ₃
3-Cl-5-SCF ₂ CHFCl	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-SCF ₂ CHFCl	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-SCF ₂ CHFCl	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-SCF ₂ CHFCl	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-SCF ₂ CHFCl	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-SCF ₂ CHFCl	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-S(O)CF ₂ CHFCl	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-SO ₂ CF ₂ CHFCl	CF ₃	H	CH ₂ (D-22a)
3-Br-5-SCF ₂ CHFCl	CF ₃	H	CH ₂ CF ₃

3-Br-5-SCF ₂ CHFCI	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-SCF ₂ CHFCI	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-SCF ₂ CHFCI	CF ₃	H	CH ₂ (D-22a)
3-Br-5-SCF ₂ CHFCI	CF ₃	H	CH ₂ (D-47a)
3-Br-5-SCF ₂ CHFCI	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-SCF ₂ CHFCI	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-S(O)CF ₂ CHFCI	CF ₃	H	CH ₂ (D-47a)
3-Br-5-SO ₂ CF ₂ CHFCI	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-5-SPh	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-S(O)Ph	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-SO ₂ Ph	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-SO ₂ OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-CH ₃ -5-SO ₂ OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-SO ₂ NH ₂	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-SO ₂ NH ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-SO ₂ NHCH ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-SO ₂ N(CH ₃) ₂	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-NHC(O)CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-N(CH ₃)C(O)CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-N(Et)C(O)CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-N(CH ₃)C(O)CF ₂ Cl	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-N(Et)C(O)CF ₂ Cl	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-N(CH ₃)C(O)CF ₂ Br	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-5-N(Et)C(O)CF ₂ Br	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-N(CH ₃)SO ₂ CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-N(Et)SO ₂ CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -5-NHC(O)CH ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -5-NHC(O)CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF ₃ -5-N(CH ₃)C(O)CH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₃ -5-N(Et)C(O)CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃ -5-N(CH ₃)C(O)CF ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -5-N(Et)C(O)CF ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -5-N(CH ₃)C(O)CF ₂ Cl	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₃ -5-N(Et)C(O)CF ₂ Cl	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₃ -5-N(CH ₃)C(O)CF ₂ Br	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃ -5-N(Et)C(O)CF ₂ Br	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -5-N(CH ₃)SO ₂ CF ₃	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -5-N(Et)SO ₂ CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-NO ₂ -4-F	CF ₃	H	N(CH ₃)(D-50a)
2-F-5-NO ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-NO ₂	CF ₃	H	CH ₂ (D-22a)
3-NO ₂ -4-Cl	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-NO ₂	CF ₃	H	c-Bu
3-Cl-5-NO ₂	CF ₃	H	CH ₂ CF ₃
3-Cl-5-NO ₂	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Cl-5-NO ₂	CF ₃	C(O)Et	CH ₂ CF ₃

3-Cl-5-NO ₂	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Cl-5-NO ₂	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Cl-5-NO ₂	CF ₃	H	CH ₂ (E-10a)
3-Cl-5-NO ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-NO ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-NO ₂	CF ₃	H	CH(CH ₃)Ph(R)
3-Cl-5-NO ₂	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Cl-5-NO ₂	CF ₃	H	CH ₂ (D-17b)Cl
3-Cl-5-NO ₂	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-NO ₂	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Cl-5-NO ₂	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Cl-5-NO ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Cl-5-NO ₂	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-NO ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-NO ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-5-NO ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-5-NO ₂	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-NO ₂	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Cl-5-NO ₂	CF ₃	H	N(CH ₃)Ph
3-Cl-5-NO ₂	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-NO ₂	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-CH ₃ -5-NO ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF ₃ -4-NO ₂	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₃ -5-NO ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-(NO ₂) ₂	CF ₃	H	CH ₂ (D-22a)
3-NO ₂ -5-NHC(O)CH ₃	CF ₃	H	CH ₂ (D-47a)
3-CN-4-F	CF ₃	C(O)Et	CH ₂ (D-47a)
3-F-4-CN	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-4-CN	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CH ₃ -4-CN	CF ₃	H	CH ₂ (D-22a)
3-F-5-CN	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-CN	CF ₃	H	c-Bu
3-Cl-5-CN	CF ₃	H	CH ₂ CF ₃
3-Cl-5-CN	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Cl-5-CN	CF ₃	C(O)Et	CH ₂ CF ₃
3-Cl-5-CN	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Cl-5-CN	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Cl-5-CN	CF ₃	H	CH ₂ (E-10a)
3-Cl-5-CN	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Cl-5-CN	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-CN	CF ₃	H	CH(CH ₃)Ph(R)
3-Cl-5-CN	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Cl-5-CN	CF ₃	H	CH ₂ (D-17b)Cl
3-Cl-5-CN	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-CN	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Cl-5-CN	CF ₃	C(O)Et	CH ₂ (D-22a)

3-Cl-5-CN	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Cl-5-CN	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-CN	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-CN	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Cl-5-CN	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Cl-5-CN	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Cl-5-CN	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Cl-5-CN	CF ₃	H	N(CH ₃)Ph
3-Cl-5-CN	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-CN	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Br-5-CN	CF ₃	H	c-Bu
3-Br-5-CN	CF ₃	H	CH ₂ CF ₃
3-Br-5-CN	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Br-5-CN	CF ₃	C(O)Et	CH ₂ CF ₃
3-Br-5-CN	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Br-5-CN	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Br-5-CN	CF ₃	H	CH ₂ (E-10a)
3-Br-5-CN	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-CN	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-CN	CF ₃	H	CH(CH ₃)Ph(R)
3-Br-5-CN	CF ₃	H	CH ₂ (D-17a)CH ₃
3-Br-5-CN	CF ₃	H	CH ₂ (D-17b)Cl
3-Br-5-CN	CF ₃	H	CH ₂ (D-22a)
3-Br-5-CN	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-Br-5-CN	CF ₃	C(O)Et	CH ₂ (D-22a)
3-Br-5-CN	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-Br-5-CN	CF ₃	H	CH ₂ (D-47a)
3-Br-5-CN	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Br-5-CN	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-CN	CF ₃	C(O)Et	CH ₂ (D-47a)
3-Br-5-CN	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-CN	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-Br-5-CN	CF ₃	H	N(CH ₃)Ph
3-Br-5-CN	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-CN	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-Br-5-CN	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-Br-5-CN	CF ₃	H	c-Bu
3-Br-5-CN	CF ₃	H	CH ₂ CF ₃
3-Br-5-CN	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3-Br-5-CN	CF ₃	C(O)Et	CH ₂ CF ₃
3-Br-5-CN	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3-Br-5-CN	CF ₃	H	CH ₂ CH ₂ OCH ₃
3-Br-5-CN	CF ₃	H	CH ₂ (E-10a)
3-Br-5-CN	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3-Br-5-CN	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-CN	CF ₃	H	CH(CH ₃)Ph(R)

3-CF ₃ -5-CN	CF ₃	H	CH ₂ (D-17a)CH ₃
3-CF ₃ -5-CN	CF ₃	H	CH ₂ (D-17b)Cl
3-CF ₃ -5-CN	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -5-CN	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3-CF ₃ -5-CN	CF ₃	C(O)Et	CH ₂ (D-22a)
3-CF ₃ -5-CN	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3-CF ₃ -5-CN	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -5-CN	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-CF ₃ -5-CN	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-CF ₃ -5-CN	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CF ₃ -5-CN	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₃ -5-CN	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3-CF ₃ -5-CN	CF ₃	H	N(CH ₃)Ph
3-CF ₃ -5-CN	CF ₃	H	N(CH ₃)(D-50a)
3-CF ₃ -5-CN	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3-NO ₂ -5-CN	CF ₃	H	N(CH ₃)(D-50a)
3,5-(CN) ₂	CF ₃	H	CH ₂ CF ₃
3,5-(CN) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-(CN) ₂	CF ₃	H	CH ₂ (D-22a)
3,5-(CN) ₂	CF ₃	H	CH ₂ (D-47a)
3-F-5-C(O)OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-C(O)NH ₂	CF ₃	H	CH ₂ (D-22a)
3-F-5-C(O)NHCH ₃	CF ₃	H	CH ₂ (D-47a)
3-F-5-C(O)N(CH ₃) ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-Cl-5-C(O)OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-C(O)NH ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-C(O)NHCH ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-C(O)N(CH ₃) ₂	CF ₃	H	CH ₂ (D-47a)
3-Br-5-C(O)OCH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3-Br-5-C(O)NH ₂	CF ₃	H	N(CH ₃)(D-50a)
3-Br-5-C(O)NHCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Br-5-C(O)N(CH ₃) ₂	CF ₃	H	CH ₂ (D-22a)
3-CH ₃ -5-C(O)OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-CH ₃ -5-C(O)NH ₂	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CH ₃ -5-C(O)NHCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-CH ₃ -5-C(O)N(CH ₃) ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-CF ₃ -5-C(O)OCH ₃	CF ₃	H	CH ₂ (D-22a)
3-CF ₃ -5-C(O)NH ₂	CF ₃	H	CH ₂ (D-47a)
3-CF ₃ -5-C(O)NHCH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3-CF ₃ -5-C(O)N(CH ₃) ₂	CF ₃	H	N(CH ₃)(D-50a)
3-OCH ₃ -5-C(O)OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-OCH ₃ -5-C(O)NH ₂	CF ₃	H	CH ₂ (D-22a)
3-OCH ₃ -5-C(O)NHCH ₃	CF ₃	H	CH ₂ (D-47a)
3-OCH ₃ -5-C(O)N(CH ₃) ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3-NO ₂ -5-C(O)OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-NO ₂ -5-C(O)NH ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃

3-NO ₂ -5-C(O)NHCH ₃	CF ₃	H	CH ₂ (D-22a)
3-NO ₂ -5-C(O)N(CH ₃) ₂	CF ₃	H	CH ₂ (D-47a)
3,5-[C(O)OCH ₃] ₂	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-[C(O)NH ₂] ₂	CF ₃	H	N(CH ₃)(D-50a)
3,5-[C(O)NHCH ₃] ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-[C(O)N(CH ₃) ₂] ₂	CF ₃	H	CH ₂ (D-22a)
3-CH ₃ -5-Ph	CF ₃	H	CH ₂ (D-47a)
2-CH=CHCH=CH-3	CF ₃	C(O)Et	CH ₂ (D-47a)
3-CH=CHCH=CH-4	CF ₃	H	N(CH ₃)(D-50a)
2,3,4-F ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
2,3,5-F ₃	CF ₃	H	CH ₂ (D-22a)
2,3,6-F ₃	CF ₃	H	CH ₂ (D-47a)
2,4,5-F ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
2,4,6-F ₃	CF ₃	H	N(CH ₃)(D-50a)
3,4,5-F ₃	CF ₃	H	c-Bu
3,4,5-F ₃	CF ₃	H	CH ₂ CF ₃
3,4,5-F ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,4,5-F ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3,4,5-F ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,4,5-F ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,4,5-F ₃	CF ₃	H	CH ₂ (E-10a)
3,4,5-F ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,4,5-F ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4,5-F ₃	CF ₃	H	CH(CH ₃)Ph(R)
3,4,5-F ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3,4,5-F ₃	CF ₃	H	CH ₂ (D-17b)Cl
3,4,5-F ₃	CF ₃	H	CH ₂ (D-22a)
3,4,5-F ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,4,5-F ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3,4,5-F ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,4,5-F ₃	CF ₃	H	CH ₂ (D-47a)
3,4,5-F ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,4,5-F ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,4,5-F ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3,4,5-F ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,4,5-F ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,4,5-F ₃	CF ₃	H	N(CH ₃)Ph
3,4,5-F ₃	CF ₃	H	N(CH ₃)(D-50a)
3,4,5-F ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
2,6-F ₂ -3-Cl	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ Pr-c
3,5-Cl ₂ -4-F	CF ₃	H	c-Bu
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂ -4-F	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂ -4-F	CF ₃	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂ -4-F	CF ₃	C(O)OCH ₃	CH ₂ CF ₃

3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ (E-10a)
3,5-Cl ₂ -4-F	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ CH=NOCH ₃
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-F	CF ₃	H	CH(CH ₃)Ph(R)
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ (D-17b)Cl
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ (D-21a)
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-F	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂ -4-F	CF ₃	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂ -4-F	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂ -4-F	CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-F	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-F	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂ -4-F	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Cl ₂ -4-F	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-F	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂ -4-F	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-F	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂ -4-F	CF ₃	H	N(CH ₃)Ph
3,5-Cl ₂ -4-F	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,5-Cl ₂ -4-F	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Cl ₂ -4-F	CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-F	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-F	CF ₃	H	(D-13b)CH ₃
3,5-Cl ₂ -4-F	CF ₃	H	(D-15a)CH ₃
3,5-Cl ₂ -4-F	CF ₂ Cl	H	CH ₂ CF ₃
3,5-Cl ₂ -4-F	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂ -4-F	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-F	CF ₂ Cl	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-F	CF ₂ Cl	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-F	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-F	CF ₂ Cl	H	N(CH ₃)(D-50a)
3,4,5-Cl ₃	CHF ₂	H	CH ₂ CF ₃
3,4,5-Cl ₃	CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4,5-Cl ₃	CHF ₂	H	CH ₂ (D-22a)
3,4,5-Cl ₃	CHF ₂	H	CH ₂ (D-47a)
3,4,5-Cl ₃	CHFCI	H	CH ₂ (D-22a)
3,4,5-Cl ₃	CHCl ₂	H	CH ₂ (D-47a)
3,4,5-Cl ₃	CHFCBr	CH ₂ CN	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	H	Et
3,4,5-Cl ₃	CF ₃	Et	Et
3,4,5-Cl ₃	CF ₃	H	c-Pr

3,4,5-Cl ₃	CF ₃	H	CH ₂ Pr-c	
3,4,5-Cl ₃	CF ₃	H	c-Bu	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	CH ₂ OCH ₃	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	CH ₂ CN	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	CH ₂ C≡CH	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	C(O)Et	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	C(O)Pr-c	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	C(O)Bu-t	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃		CH ₂ CF ₃
3,4,5-Cl ₃	CF ₃	C(O)OCH ₂ CH=CH ₂		CH ₂ CF ₃
3,4,5-Cl ₃	CF ₃	C(O)SCH ₃	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	C(S)OCH ₃	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	C(S)SCH ₃	CH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CF ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃	
3,4,5-Cl ₃	CF ₃	H	CH(CH ₃)CH ₂ OCH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CH(OCH ₃) ₂	
3,4,5-Cl ₃	CF ₃	H	CH ₂ (E-4a)	
3,4,5-Cl ₃	CF ₃	H	CH ₂ (E-5a)	
3,4,5-Cl ₃	CF ₃	H	CH ₂ (E-10a)	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CH ₂ SCH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CH ₂ S(O)CH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CH ₂ SO ₂ CH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CH(CH ₃)SCH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CH(CH ₃)S(O)CH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CH(CH ₃)SO ₂ CH ₃	
3,4,5-Cl ₃	CF ₃	H	CH(CH ₃)CH ₂ SCH ₃	
3,4,5-Cl ₃	CF ₃	H	CH(CH ₃)CH ₂ S(O)CH ₃	
3,4,5-Cl ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ C(O)CH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CH=NOCH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ C(CH ₃)=NOCH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ CN	
3,4,5-Cl ₃	CF ₃	H	CH ₂ C(O)NHCH ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ C(O)N(CH ₃) ₂	
3,4,5-Cl ₃	CF ₃	H	CH ₂ C(O)NHEt	
3,4,5-Cl ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ F	
3,4,5-Cl ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl	
3,4,5-Cl ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃	
3,4,5-Cl ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH=CH ₂	
3,4,5-Cl ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ C≡CH	
3,4,5-Cl ₃	CF ₃	H	CH(CH ₃)C(O)NHCH ₂ CH ₂ C	

3,4,5-Cl ₃	CF ₃	H	CH ₂ C(S)NHEt
3,4,5-Cl ₃	CF ₃	H	CH ₂ CH=CH ₂
3,4,5-Cl ₃	CF ₃	H	CH ₂ CCl=CH ₂
3,4,5-Cl ₃	CF ₃	H	CH ₂ CCl=CHCl
3,4,5-Cl ₃	CF ₃	H	CH ₂ C≡CH
3,4,5-Cl ₃	CF ₃	H	CH(CH ₃)Ph(R)
3,4,5-Cl ₃	CF ₃	H	CH(CF ₃)Ph
3,4,5-Cl ₃	CF ₃	H	CH ₂ (Ph-4-F)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (Ph-4-OCH ₃)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (Ph-4-NO ₂)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (Ph-4-CN)
3,4,5-Cl ₃	CF ₃	H	CH(CH ₃)(D-1a)(R)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3,4,5-Cl ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17a)CH ₃
3,4,5-Cl ₃	CF ₃	CH ₂ CN	CH ₂ (D-17a)CH ₃
3,4,5-Cl ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-17a)CH ₃
3,4,5-Cl ₃	CF ₃	C(O)CH ₃	CH ₂ (D-17a)CH ₃
3,4,5-Cl ₃	CF ₃	C(O)Et	CH ₂ (D-17a)CH ₃
3,4,5-Cl ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-17a)CH ₃
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-17b)Cl
3,4,5-Cl ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-17b)Cl
3,4,5-Cl ₃	CF ₃	CH ₂ CN	CH ₂ (D-17b)Cl
3,4,5-Cl ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-17b)Cl
3,4,5-Cl ₃	CF ₃	C(O)CH ₃	CH ₂ (D-17b)Cl
3,4,5-Cl ₃	CF ₃	C(O)Et	CH ₂ (D-17b)Cl
3,4,5-Cl ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-17b)Cl
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-19a)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-21a)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	CH ₂ CN	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	C(O)Pr-c	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	C(O)Bu-t	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	C(O)SCH ₃	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	C(S)OCH ₃	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	C(S)SCH ₃	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₃	H	CH(CH ₃)(D-22a)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-28a)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-34a)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-35a)

3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-38a)
3,4,5-Cl ₃	CF ₃	H	CH(CF ₃)(D-38a)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	C(O)Pr-c	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	C(O)Bu-t	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	C(O)OCH ₂ CH ₂ OCH ₃	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	C(O)OCH ₂ CH=CH ₂	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	C(O)SCH ₃	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	C(S)OCH ₃	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	C(S)SCH ₃	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₃	H	CH(CH ₃)(D-47a)
3,4,5-Cl ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-50a)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-51a)
3,4,5-Cl ₃	CF ₃	H	CH ₂ (D-53a)
3,4,5-Cl ₃	CF ₃	H	NHNHCH ₂ CF ₃
3,4,5-Cl ₃	CF ₃	H	N(CH ₃)Ph
3,4,5-Cl ₃	CF ₃	C(O)CH ₃	N(CH ₃)Ph
3,4,5-Cl ₃	CF ₃	C(O)Et	N(CH ₃)Ph
3,4,5-Cl ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,4,5-Cl ₃	CF ₃	H	N(CH ₂ C≡CH)Ph
3,4,5-Cl ₃	CF ₃	H	N(CH ₃)(D-47a)
3,4,5-Cl ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-47a)
3,4,5-Cl ₃	CF ₃	C(O)Et	N(CH ₃)(D-47a)
3,4,5-Cl ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,4,5-Cl ₃	CF ₃	H	NH(D-50a)
3,4,5-Cl ₃	CF ₃	CH ₃	NH(D-50a)
3,4,5-Cl ₃	CF ₃	H	N(CH ₃)(D-50a)
3,4,5-Cl ₃	CF ₃	C(O)CH ₃	N(CH ₃)(D-50a)
3,4,5-Cl ₃	CF ₃	C(O)Et	N(CH ₃)(D-50a)
3,4,5-Cl ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,4,5-Cl ₃	CF ₃	H	(D-13b)CH ₃
3,4,5-Cl ₃	CF ₃	H	(D-15a)CH ₃
3,4,5-Cl ₃	CF ₃	H	D-21a
3,4,5-Cl ₃	CF ₃	H	D-47a
3,4,5-Cl ₃	CF ₃	H	D-50a
3,4,5-Cl ₃	CF ₃	H	D-51a
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ Pr-c
3,4,5-Cl ₃	CF ₂ Cl	H	c-Bu
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ CF ₃

3,4,5-Cl ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ CF ₃
3,4,5-Cl ₃	CF ₂ Cl	C(O)Et	CH ₂ CF ₃
3,4,5-Cl ₃	CF ₂ Cl	C(O)OCH ₃	CH ₂ CF ₃
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ CH ₂ OCH ₃
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ (E-10a)
3,4,5-Cl ₃	CF ₂ Cl	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ CH=NOCH ₃
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4,5-Cl ₃	CF ₂ Cl	H	CH(CH ₃)Ph(R)
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ (D-17a)CH ₃
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ (D-17b)Cl
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ (D-21a)
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₂ Cl	C(O)Et	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₂ Cl	CH ₂ OCH ₃	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₂ Cl	CH ₂ CN	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₂ Cl	CH ₂ C≡CH	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₂ Cl	C(O)CH ₃	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₂ Cl	C(O)Et	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₂ Cl	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,4,5-Cl ₃	CF ₂ Cl	H	N(CH ₃)Ph
3,4,5-Cl ₃	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)Ph
3,4,5-Cl ₃	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-47a)
3,4,5-Cl ₃	CF ₂ Cl	H	N(CH ₃)(D-50a)
3,4,5-Cl ₃	CF ₂ Cl	C(O)OCH ₃	N(CH ₃)(D-50a)
3,4,5-Cl ₃	CF ₂ Cl	H	(D-13b)CH ₃
3,4,5-Cl ₃	CF ₂ Cl	H	(D-15a)CH ₃
3,4,5-Cl ₃	CF ₂ Br	H	CH ₂ CF ₃
3,4,5-Cl ₃	CF ₂ Br	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4,5-Cl ₃	CF ₂ Br	H	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₂ Br	H	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₂ CHF ₂	H	CH ₂ CF ₃
3,4,5-Cl ₃	CF ₂ CHF ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4,5-Cl ₃	CF ₂ CHF ₂	H	CH ₂ (D-22a)
3,4,5-Cl ₃	CF ₂ CHF ₂	H	CH ₂ (D-47a)
3,4,5-Cl ₃	CF ₂ CF ₃	H	N(CH ₃)(D-50a)
3,4,5-Cl ₃	CF ₂ OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4,5-Cl ₃	CF ₂ SCH ₃	H	CH ₂ (D-22a)
3,5-Br ₂ -4-F	CF ₃	H	CH ₂ Pr-c
3,5-Br ₂ -4-F	CF ₃	H	CH ₂ CF ₃
3,5-Br ₂ -4-F	CF ₃	C(O)CH ₃	CH ₂ CF ₃

3,5-Br ₂ -4-F	CF ₃	C(O)Et	CH ₂ CF ₃
3,5-Br ₂ -4-F	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,5-Br ₂ -4-F	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,5-Br ₂ -4-F	CF ₃	H	CH ₂ (E-10a)
3,5-Br ₂ -4-F	CF ₃	H	CH ₂ CH=NOCH ₃
3,5-Br ₂ -4-F	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂ -4-F	CF ₃	H	CH(CH ₃)Ph(R)
3,5-Br ₂ -4-F	CF ₃	H	CH ₂ (D-17b)Cl
3,5-Br ₂ -4-F	CF ₃	H	CH ₂ (D-22a)
3,5-Br ₂ -4-F	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-Br ₂ -4-F	CF ₃	C(O)Et	CH ₂ (D-22a)
3,5-Br ₂ -4-F	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Br ₂ -4-F	CF ₃	H	CH ₂ (D-47a)
3,5-Br ₂ -4-F	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Br ₂ -4-F	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Br ₂ -4-F	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Br ₂ -4-F	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Br ₂ -4-F	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-Br ₂ -4-F	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Br ₂ -4-F	CF ₃	H	N(CH ₃)Ph
3,5-Br ₂ -4-F	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,5-Br ₂ -4-F	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Br ₂ -4-F	CF ₃	H	N(CH ₃)(D-50a)
3,5-Br ₂ -4-F	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Br ₂ -4-F	CF ₂ Cl	H	CH ₂ CF ₃
3,5-Br ₂ -4-F	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂ -4-F	CF ₂ Cl	H	CH ₂ (D-22a)
3,5-Br ₂ -4-F	CF ₂ Cl	H	CH ₂ (D-47a)
3,5-Br ₂ -4-F	CF ₂ Cl	H	N(CH ₃)(D-50a)
3,4,5-Br ₃	CF ₃	H	CH ₂ CF ₃
3,4,5-Br ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4,5-Br ₃	CF ₃	H	CH ₂ (D-22a)
3,4,5-Br ₃	CF ₃	H	CH ₂ (D-47a)
3,4,5-Br ₃	CF ₃	H	N(CH ₃)(D-50a)
2,6-F ₂ -3-CH ₃	CF ₃	H	CH ₂ (D-47a)
2,3-F ₂ -4-CH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-F ₂ -4-CH ₃	CF ₃	H	CH ₂ CF ₃
3,5-F ₂ -4-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-F ₂ -4-CH ₃	CF ₃	H	CH ₂ (D-22a)
3,5-F ₂ -4-CH ₃	CF ₃	H	CH ₂ (D-47a)
3,5-F ₂ -4-CH ₃	CF ₃	H	N(CH ₃)(D-50a)
2,3-F ₂ -4-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ Pr-c
3,4-F ₂ -5-CF ₃	CF ₃	H	c-Bu
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ CF ₃
3,4-F ₂ -5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃

3,4-F ₂ -5-CF ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3,4-F ₂ -5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ (E-10a)
3,4-F ₂ -5-CF ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,4-F ₂ -5-CF ₃	CF ₃	H	CH(CH ₃)Ph(R)
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ (D-17b)Cl
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ (D-21a)
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ (D-22a)
3,4-F ₂ -5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,4-F ₂ -5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3,4-F ₂ -5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,4-F ₂ -5-CF ₃	CF ₃	H	CH ₂ (D-47a)
3,4-F ₂ -5-CF ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,4-F ₂ -5-CF ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,4-F ₂ -5-CF ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,4-F ₂ -5-CF ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,4-F ₂ -5-CF ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3,4-F ₂ -5-CF ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,4-F ₂ -5-CF ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,4-F ₂ -5-CF ₃	CF ₃	H	N(CH ₃)Ph
3,4-F ₂ -5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,4-F ₂ -5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,4-F ₂ -5-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
3,4-F ₂ -5-CF ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,4-F ₂ -5-CF ₃	CF ₃	H	(D-13b)CH ₃
3,4-F ₂ -5-CF ₃	CF ₃	H	(D-15a)CH ₃
2-F-3-Cl-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-4-F-5-CF ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-4-F-5-CF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-4-F-5-CF ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-4-F-5-CF ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-4-F-5-CF ₃	CF ₃	H	N(CH ₃)(D-50a)
2,4-Cl ₂ -6-CH ₃	CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ Pr-c
3,5-Cl ₂ -4-CH ₃	CF ₃	H	c-Bu
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ (E-10a)

3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH(CH ₃)CH ₂ SO ₂ CH ₃
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH(CH ₃)Ph(R)
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ (D-17a)CH ₃
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ (D-17b)Cl
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ (D-21a)
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂ -4-CH ₃	CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₃	H	N(CH ₃)Ph
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-CH ₃	CF ₃	H	(D-13b)CH ₃
3,5-Cl ₂ -4-CH ₃	CF ₃	H	(D-15a)CH ₃
3,5-Cl ₂ -4-CH ₃	CF ₂ Cl	H	CH ₂ CF ₃
3,5-Cl ₂ -4-CH ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
3,5-Cl ₂ -4-CH ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-CH ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-CH ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₂ Cl	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-CH ₃	CF ₂ Cl	H	N(CH ₃)(D-50a)
3,5-Br ₂ -4-CH ₃	CF ₃	H	CH ₂ Pr-c
3,5-Br ₂ -4-CH ₃	CF ₃	H	CH ₂ CF ₃
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,5-Br ₂ -4-CH ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,5-Br ₂ -4-CH ₃	CF ₃	H	CH ₂ (E-10a)
3,5-Br ₂ -4-CH ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3,5-Br ₂ -4-CH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂ -4-CH ₃	CF ₃	H	CH(CH ₃)Ph(R)
3,5-Br ₂ -4-CH ₃	CF ₃	H	CH ₂ (D-17b)Cl
3,5-Br ₂ -4-CH ₃	CF ₃	H	CH ₂ (D-22a)

3,5-Br ₂ -4-CH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Br ₂ -4-CH ₃	CF ₃	H	CH ₂ (D-47a)
3,5-Br ₂ -4-CH ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Br ₂ -4-CH ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Br ₂ -4-CH ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Br ₂ -4-CH ₃	CF ₃	H	N(CH ₃)Ph
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Br ₂ -4-CH ₃	CF ₃	H	N(CH ₃)(D-50a)
3,5-Br ₂ -4-CH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Br ₂ -4-CH ₃	CF ₂ Cl	H	CH ₂ CF ₃
3,5-Br ₂ -4-CH ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂ -4-CH ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3,5-Br ₂ -4-CH ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3,5-Br ₂ -4-CH ₃	CF ₂ Cl	H	N(CH ₃)(D-50a)
3,5-F ₂ -4-OCH ₃	CF ₃	H	CH ₂ CF ₃
3,5-F ₂ -4-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-F ₂ -4-OCH ₃	CF ₃	H	CH ₂ (D-22a)
3,5-F ₂ -4-OCH ₃	CF ₃	H	CH ₂ (D-47a)
3,5-F ₂ -4-OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3,5-F ₂ -4-OCF ₃	CF ₃	H	CH ₂ CF ₃
3,5-F ₂ -4-OCF ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-F ₂ -4-OCF ₃	CF ₃	H	CH ₂ (D-22a)
3,5-F ₂ -4-OCF ₃	CF ₃	H	CH ₂ (D-47a)
3,5-F ₂ -4-OCF ₃	CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-OH	CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂ -4-OH	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-OH	CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-OH	CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-OH	CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	CH ₂ Pr-c
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	CH ₂ (E-10a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	CH(CH ₃)Ph(R)
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	CH ₂ (D-17b)Cl

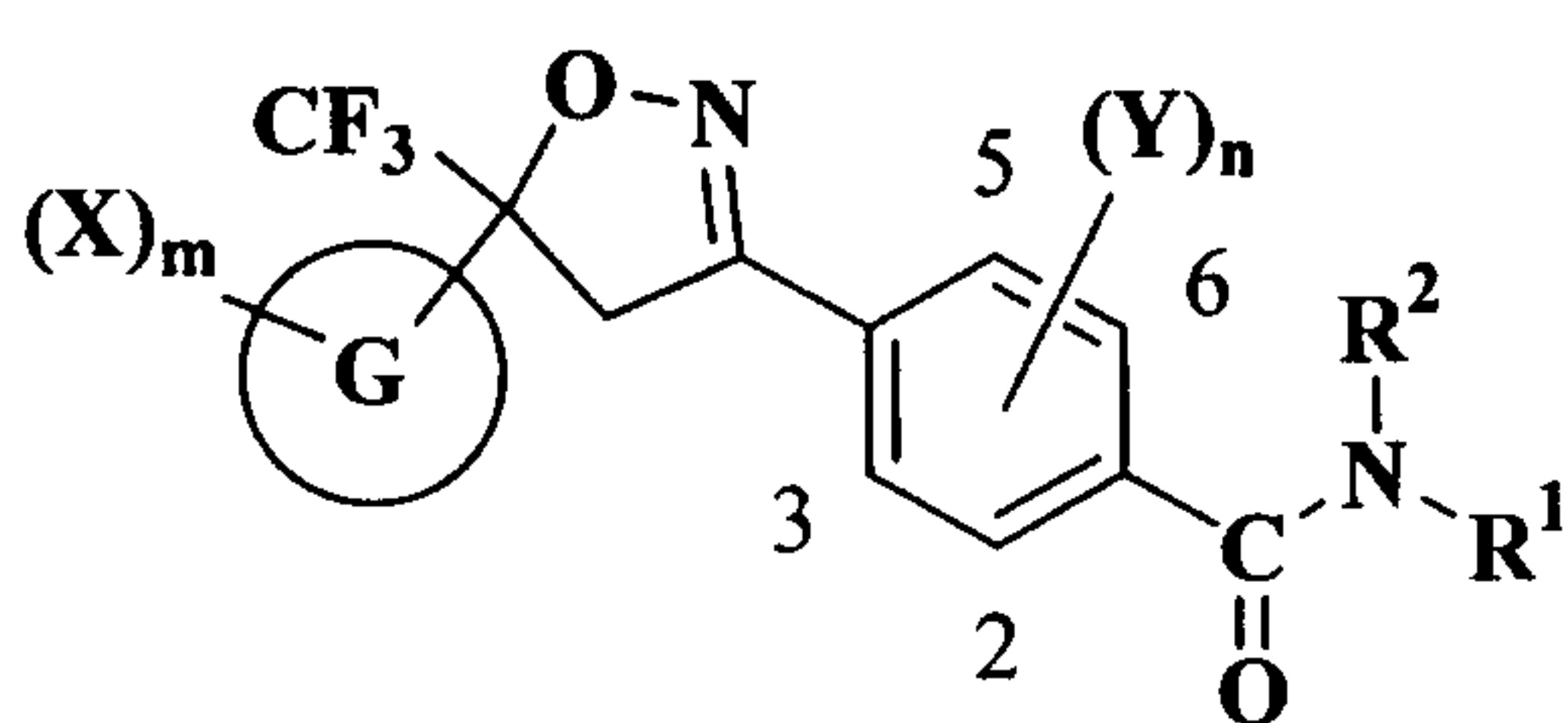
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	N(CH ₃)Ph
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-OCH ₃	CF ₂ Cl	H	CH ₂ CF ₃
3,5-Cl ₂ -4-OCH ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-OCH ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-OCH ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-OCH ₃	CF ₂ Cl	H	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-OEt	CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂ -4-OEt	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-OEt	CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-OEt	CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-OEt	CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-OPr-n	CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-OCH ₂ CH=CH ₂	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Cl ₂ -4-OCH ₂ C≡CH	CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-OTMS	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-OSi(CH ₃) ₂ Bu-t	CF ₃	H	CH ₂ (D-22a)
3-F-5-Br-4-OCH ₃	CF ₃	H	CH ₂ CF ₃
3-F-5-Br-4-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-F-5-Br-4-OCH ₃	CF ₃	H	CH ₂ (D-22a)
3-F-5-Br-4-OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-F-5-Br-4-OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3-Cl-5-Br-4-OCH ₃	CF ₃	H	CH ₂ CF ₃
3-Cl-5-Br-4-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3-Cl-5-Br-4-OCH ₃	CF ₃	H	CH ₂ (D-22a)
3-Cl-5-Br-4-OCH ₃	CF ₃	H	CH ₂ (D-47a)
3-Cl-5-Br-4-OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3,5-Br ₂ -4-OH	CF ₃	H	CH ₂ CF ₃
3,5-Br ₂ -4-OH	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂ -4-OH	CF ₃	H	CH ₂ (D-22a)
3,5-Br ₂ -4-OH	CF ₃	H	CH ₂ (D-47a)
3,5-Br ₂ -4-OH	CF ₃	H	N(CH ₃)(D-50a)

3,5-Br ₂ -4-OCH ₃	CF ₃	H	CH ₂ Pr-c
3,5-Br ₂ -4-OCH ₃	CF ₃	H	CH ₂ CF ₃
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)CH ₃	CH ₂ CF ₃
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)Et	CH ₂ CF ₃
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ CF ₃
3,5-Br ₂ -4-OCH ₃	CF ₃	H	CH ₂ CH ₂ OCH ₃
3,5-Br ₂ -4-OCH ₃	CF ₃	H	CH ₂ (E-10a)
3,5-Br ₂ -4-OCH ₃	CF ₃	H	CH ₂ CH=NOCH ₃
3,5-Br ₂ -4-OCH ₃	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂ -4-OCH ₃	CF ₃	H	CH(CH ₃)Ph(R)
3,5-Br ₂ -4-OCH ₃	CF ₃	H	CH ₂ (D-17b)Cl
3,5-Br ₂ -4-OCH ₃	CF ₃	H	CH ₂ (D-22a)
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-22a)
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)Et	CH ₂ (D-22a)
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-22a)
3,5-Br ₂ -4-OCH ₃	CF ₃	H	CH ₂ (D-47a)
3,5-Br ₂ -4-OCH ₃	CF ₃	CH ₂ OCH ₃	CH ₂ (D-47a)
3,5-Br ₂ -4-OCH ₃	CF ₃	CH ₂ CN	CH ₂ (D-47a)
3,5-Br ₂ -4-OCH ₃	CF ₃	CH ₂ C≡CH	CH ₂ (D-47a)
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)CH ₃	CH ₂ (D-47a)
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)Et	CH ₂ (D-47a)
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Br ₂ -4-OCH ₃	CF ₃	H	N(CH ₃)Ph
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)Ph
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-47a)
3,5-Br ₂ -4-OCH ₃	CF ₃	H	N(CH ₃)(D-50a)
3,5-Br ₂ -4-OCH ₃	CF ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
3,5-Br ₂ -4-OCH ₃	CF ₂ Cl	H	CH ₂ CF ₃
3,5-Br ₂ -4-OCH ₃	CF ₂ Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂ -4-OCH ₃	CF ₂ Cl	H	CH ₂ (D-22a)
3,5-Br ₂ -4-OCH ₃	CF ₂ Cl	H	CH ₂ (D-47a)
3,5-Br ₂ -4-OCH ₃	CF ₂ Cl	H	N(CH ₃)(D-50a)
3,5-Br ₂ -4-OEt	CF ₃	H	CH ₂ CF ₃
3,5-Br ₂ -4-OEt	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂ -4-OEt	CF ₃	H	CH ₂ (D-22a)
3,5-Br ₂ -4-OEt	CF ₃	H	CH ₂ (D-47a)
3,5-Br ₂ -4-OEt	CF ₃	H	N(CH ₃)(D-50a)
3,5-I ₂ -4-OH	CF ₃	H	CH ₂ CF ₃
3,5-I ₂ -4-OH	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-I ₂ -4-OH	CF ₃	H	CH ₂ (D-22a)
3,5-I ₂ -4-OH	CF ₃	H	CH ₂ (D-47a)
3,5-I ₂ -4-OH	CF ₃	H	N(CH ₃)(D-50a)
2,4,6-(OCH ₃) ₃	CF ₃	H	CH ₂ (D-47a)
3,4,5-(OCH ₃) ₃	CF ₃	C(O)OCH ₃	CH ₂ (D-47a)
3,5-Cl ₂ -4-NH ₂	CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂ -4-NH ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃

3,5-Cl ₂ -4-NH ₂	CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-NH ₂	CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-NH ₂	CF ₃	H	N(CH ₃)(D-50a)
3,5-Br ₂ -4-NH ₂	CF ₃	H	CH ₂ CF ₃
3,5-Br ₂ -4-NH ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂ -4-NH ₂	CF ₃	H	CH ₂ (D-22a)
3,5-Br ₂ -4-NH ₂	CF ₃	H	CH ₂ (D-47a)
3,5-Br ₂ -4-NH ₂	CF ₃	H	N(CH ₃)(D-50a)
3,5-I ₂ -4-NH ₂	CF ₃	H	CH ₂ CF ₃
3,5-I ₂ -4-NH ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-I ₂ -4-NH ₂	CF ₃	H	CH ₂ (D-22a)
3,5-I ₂ -4-NH ₂	CF ₃	H	CH ₂ (D-47a)
3,5-I ₂ -4-NH ₂	CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-NO ₂	CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂ -4-NO ₂	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-NO ₂	CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-NO ₂	CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-NO ₂	CF ₃	H	N(CH ₃)(D-50a)
3,5-F ₂ -4-CN	CF ₃	H	CH ₂ CF ₃
3,5-F ₂ -4-CN	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-F ₂ -4-CN	CF ₃	H	CH ₂ (D-22a)
3,5-F ₂ -4-CN	CF ₃	H	CH ₂ (D-47a)
3,5-F ₂ -4-CN	CF ₃	H	N(CH ₃)(D-50a)
3,5-Cl ₂ -4-CN	CF ₃	H	CH ₂ CF ₃
3,5-Cl ₂ -4-CN	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Cl ₂ -4-CN	CF ₃	H	CH ₂ (D-22a)
3,5-Cl ₂ -4-CN	CF ₃	H	CH ₂ (D-47a)
3,5-Cl ₂ -4-CN	CF ₃	H	N(CH ₃)(D-50a)
3,5-Br ₂ -4-CN	CF ₃	H	CH ₂ CF ₃
3,5-Br ₂ -4-CN	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
3,5-Br ₂ -4-CN	CF ₃	H	CH ₂ (D-22a)
3,5-Br ₂ -4-CN	CF ₃	H	CH ₂ (D-47a)
3,5-Br ₂ -4-CN	CF ₃	H	N(CH ₃)(D-50a)
2,3,5,6-F ₄	CF ₃	H	N(CH ₃)(D-50a)
2,3,4,5,6-F ₅	CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃

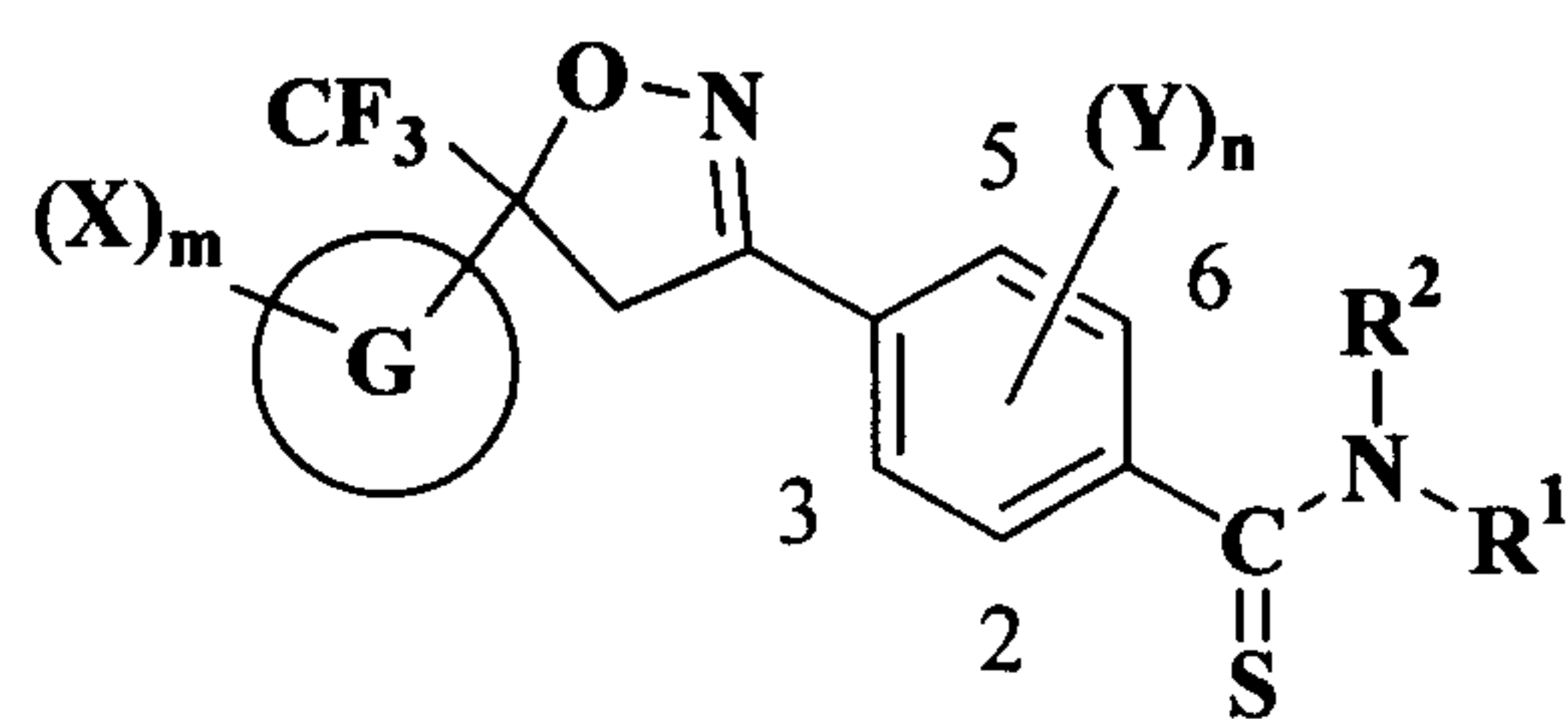
Table 3

In the table, the number showing the substitution position of substituents (X)_m and (Y)_n corresponds to the position number indicated in the following structural formulae. The indication “-” means no-substitution.



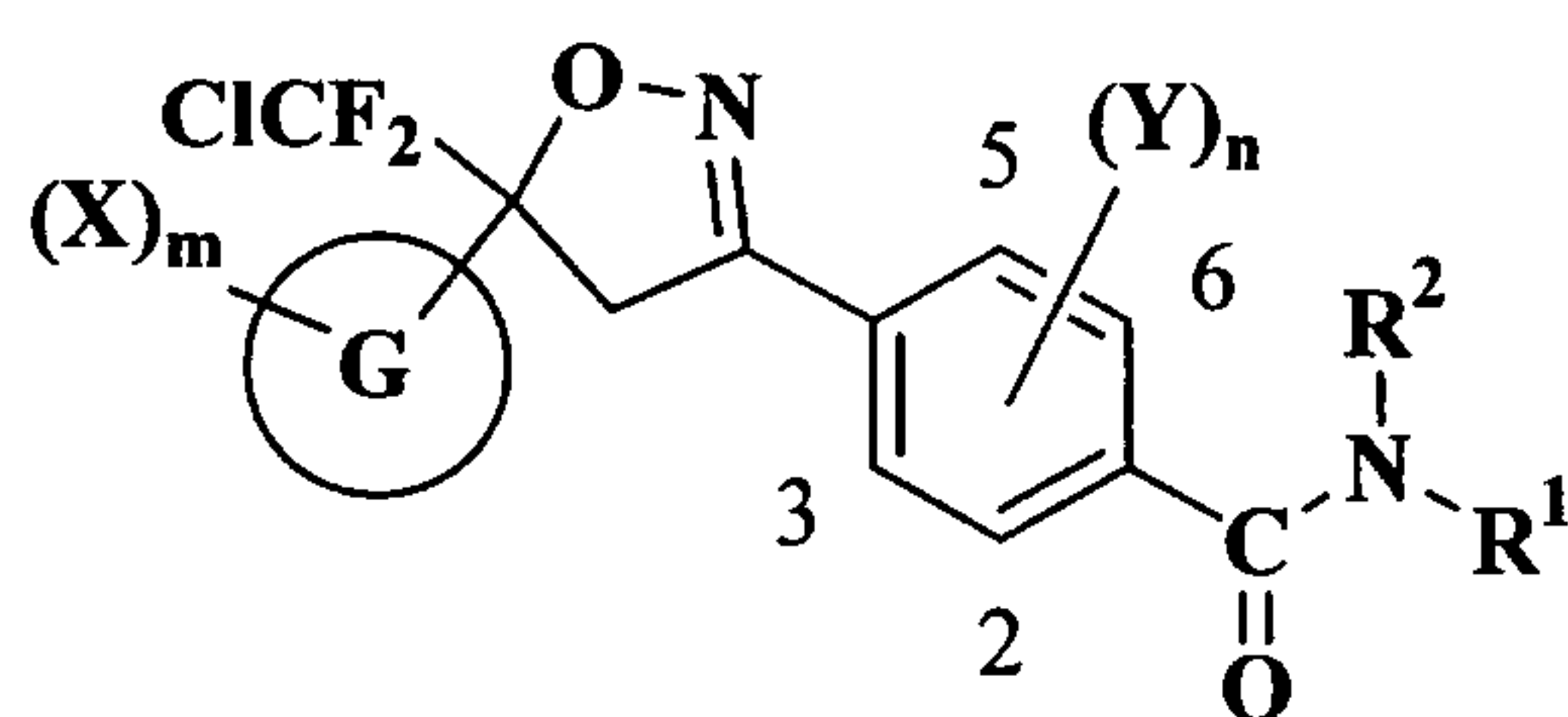
[2] - 1

,



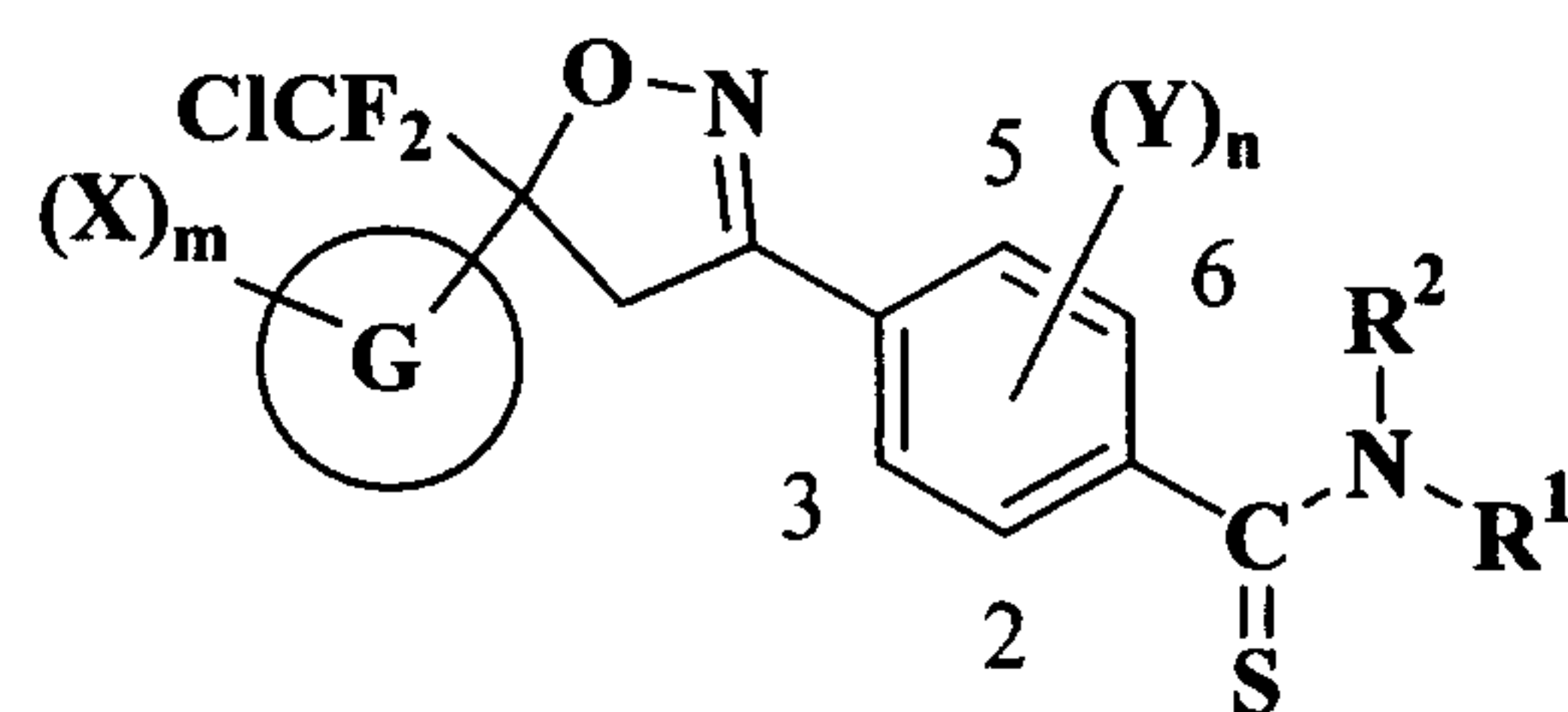
[2] - 2

,



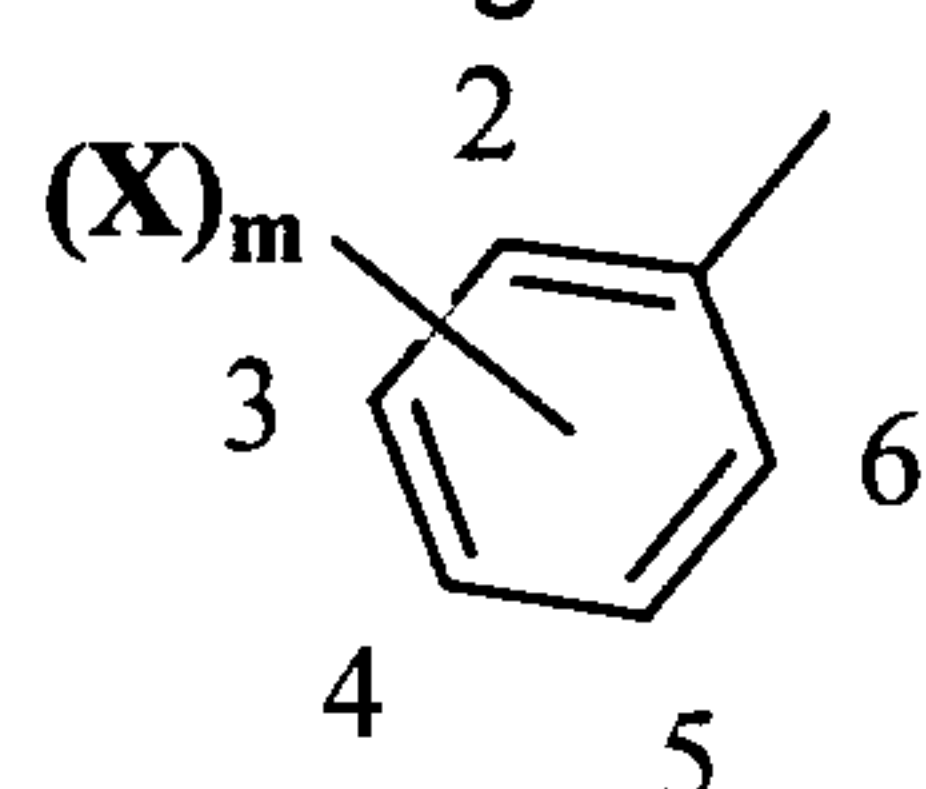
[2] - 3

or

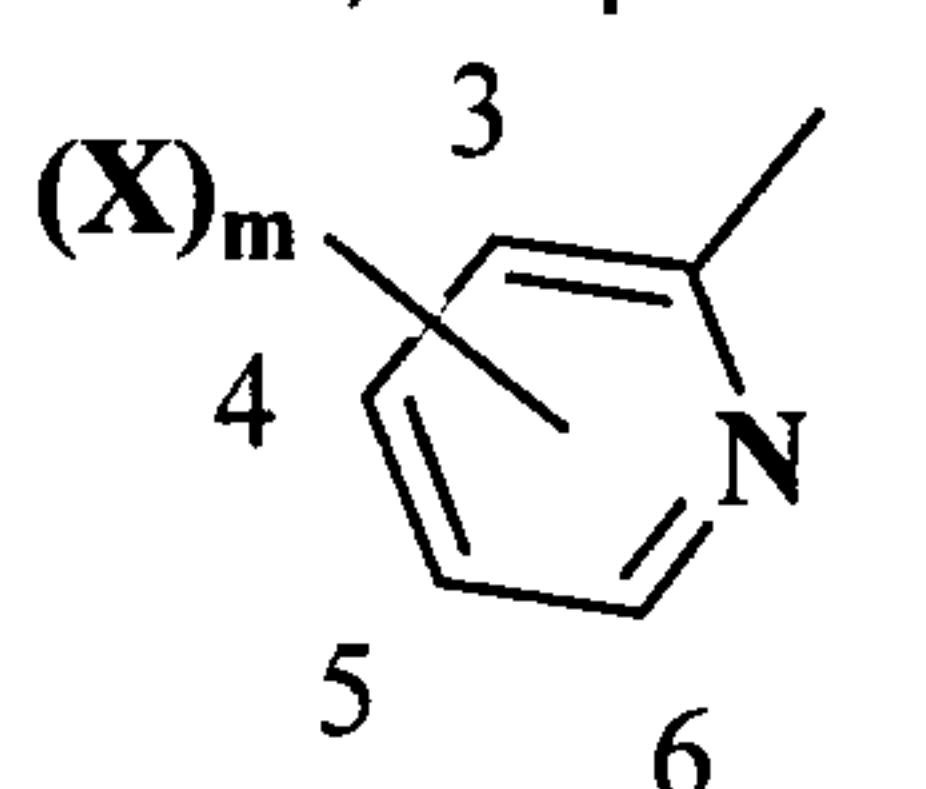


[2] - 4

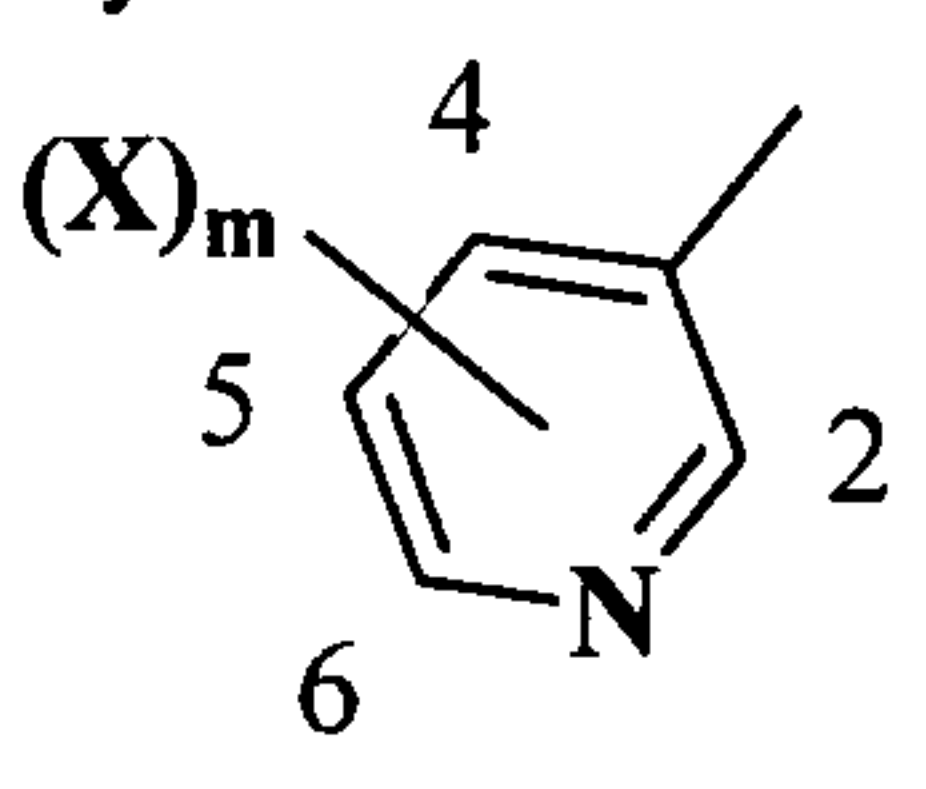
In addition, substituent G in the formulae [2]-1 to [2]-4 is the structure shown by the following G-1 to G-22, respectively.



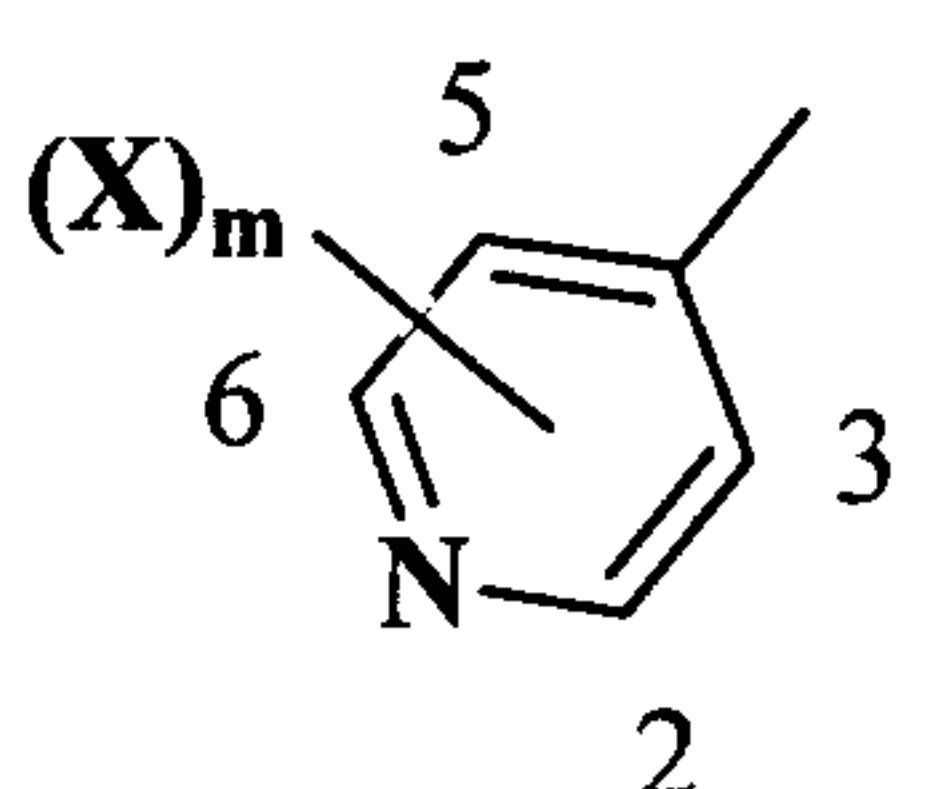
G - 1



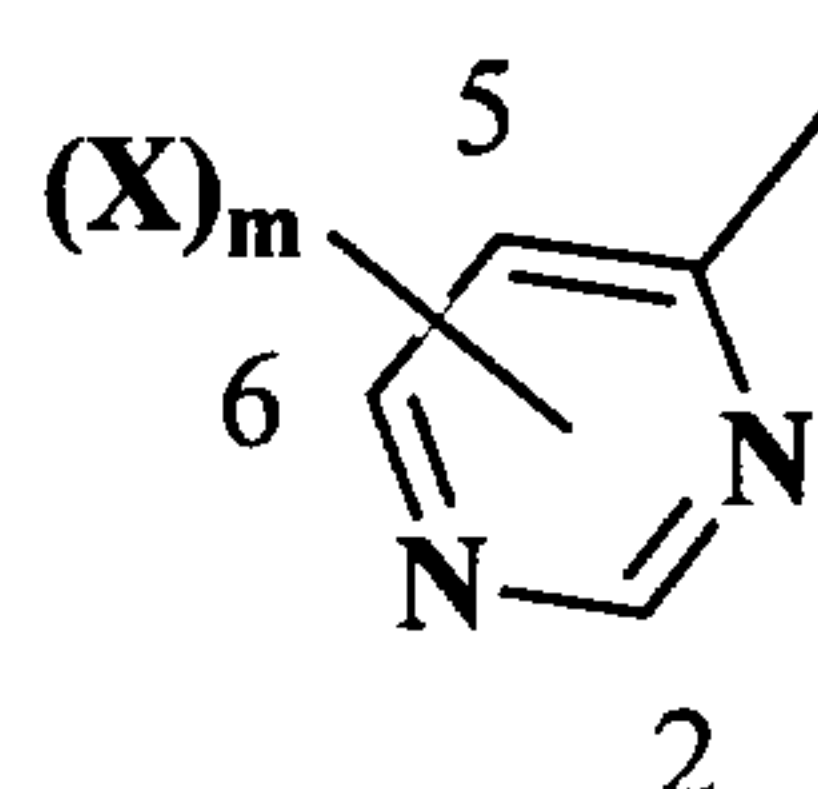
G - 2



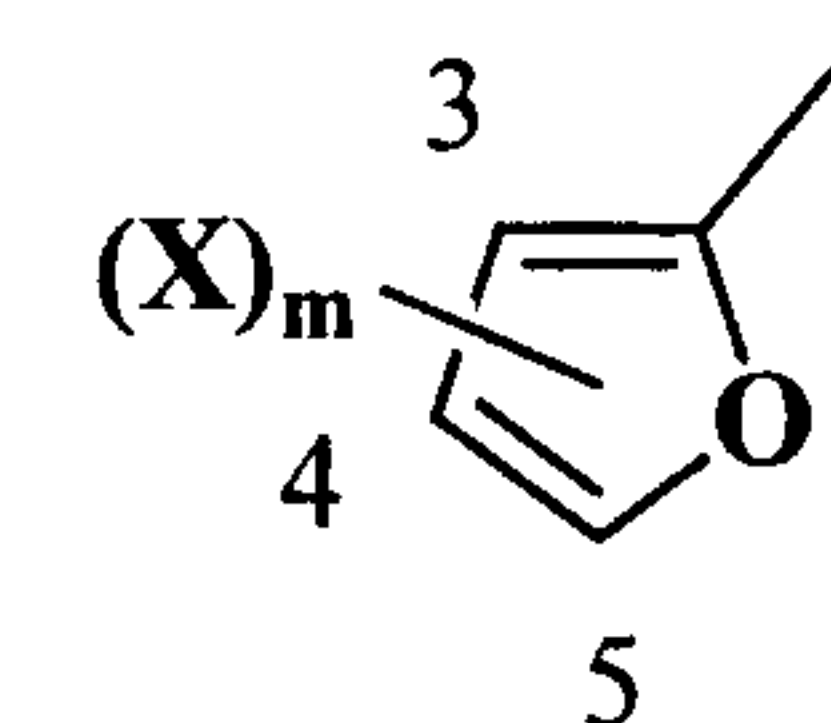
G - 3



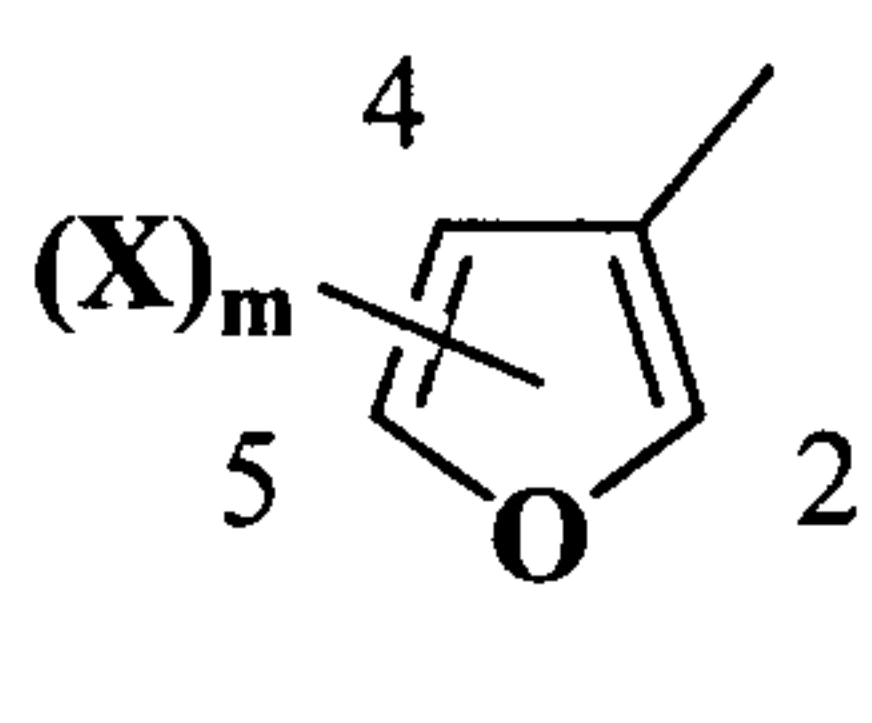
G - 4



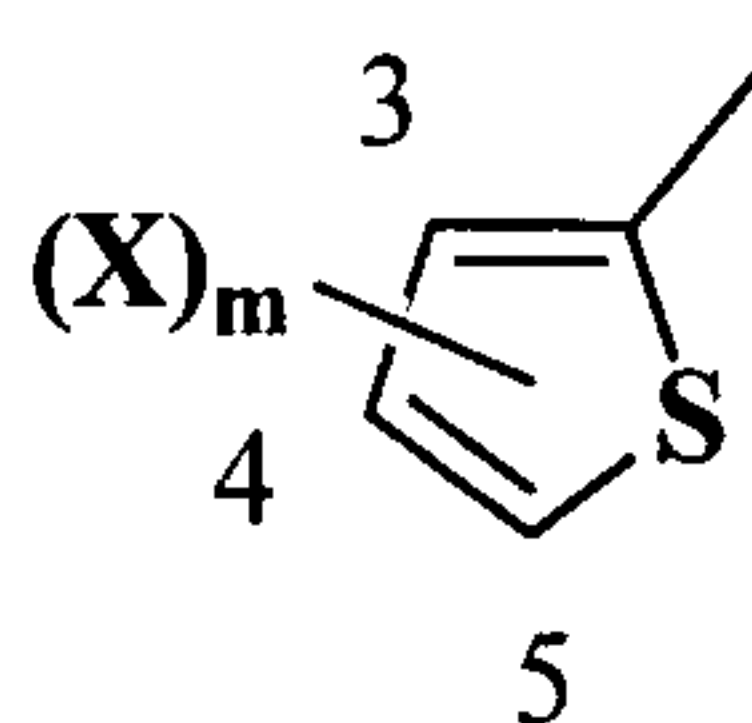
G - 5



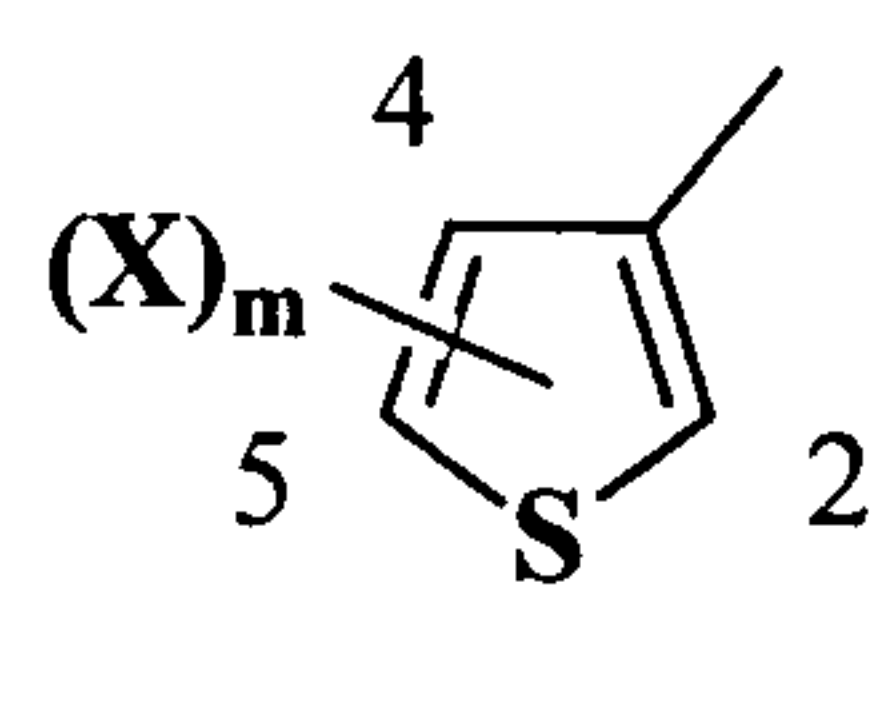
G - 11



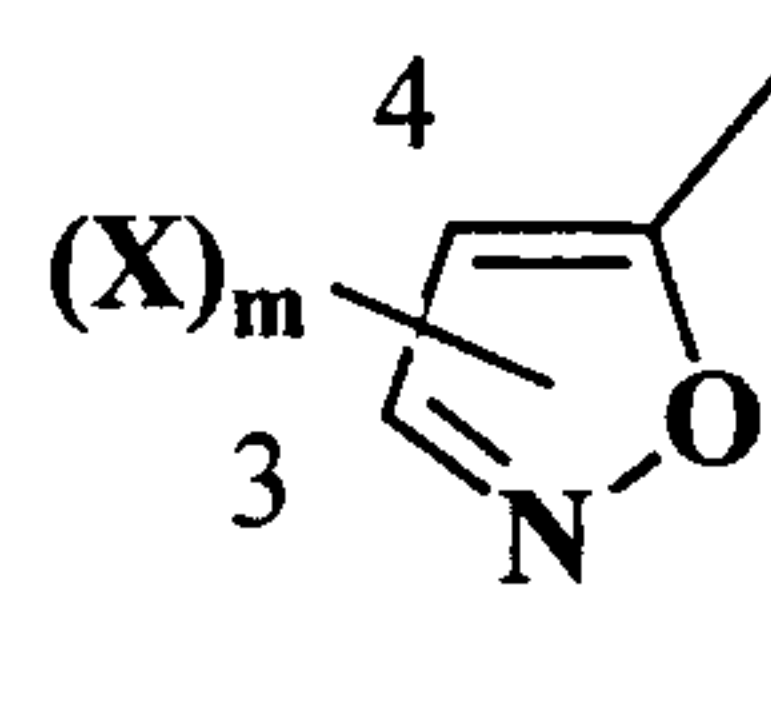
G - 12



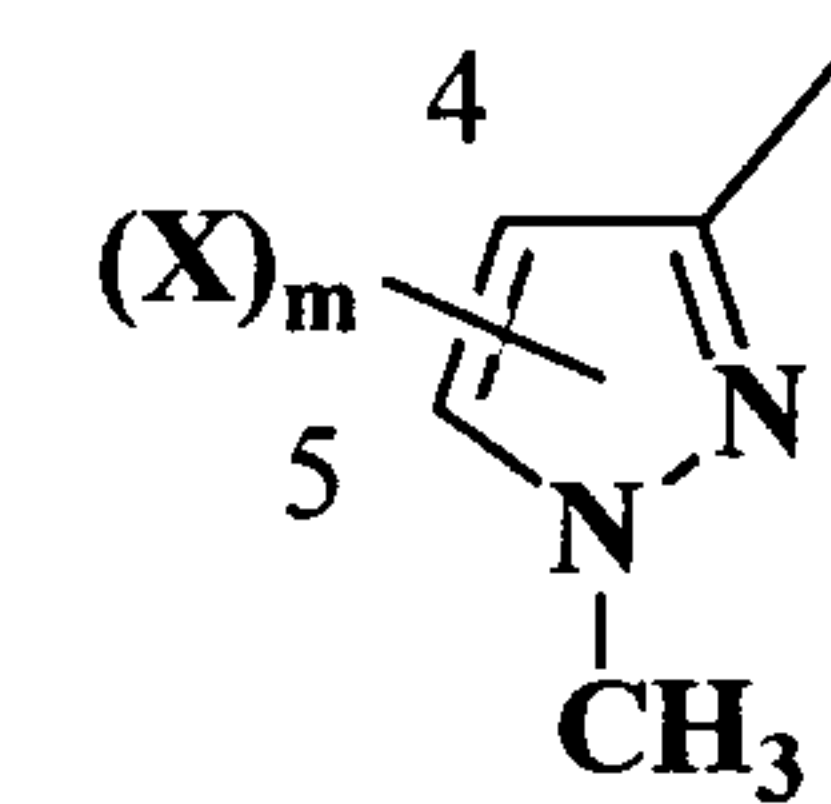
G - 13



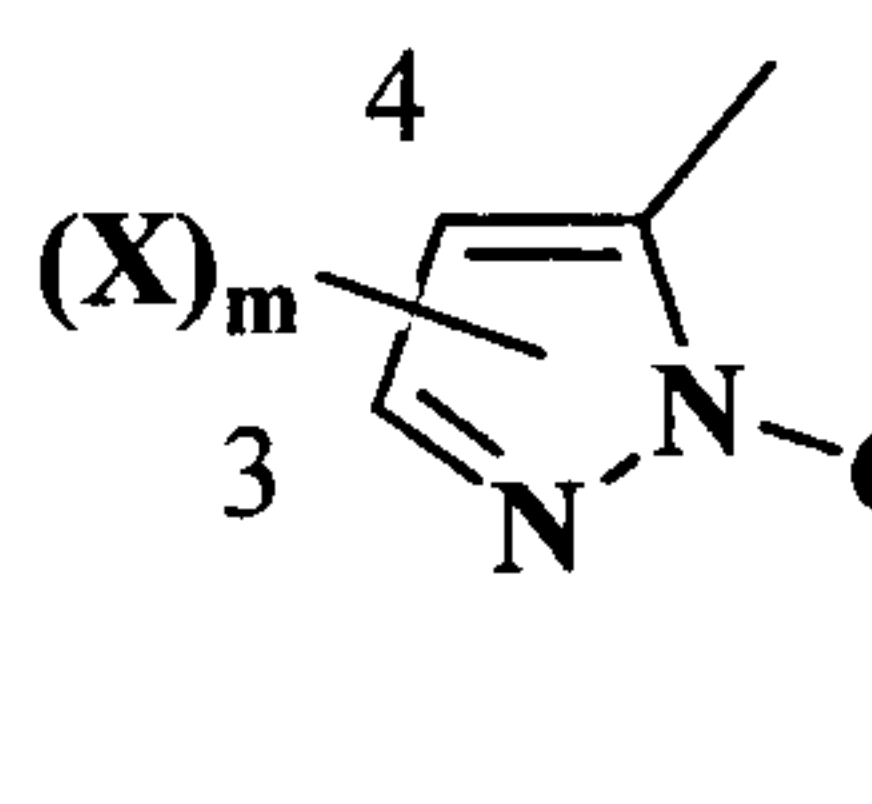
G - 14



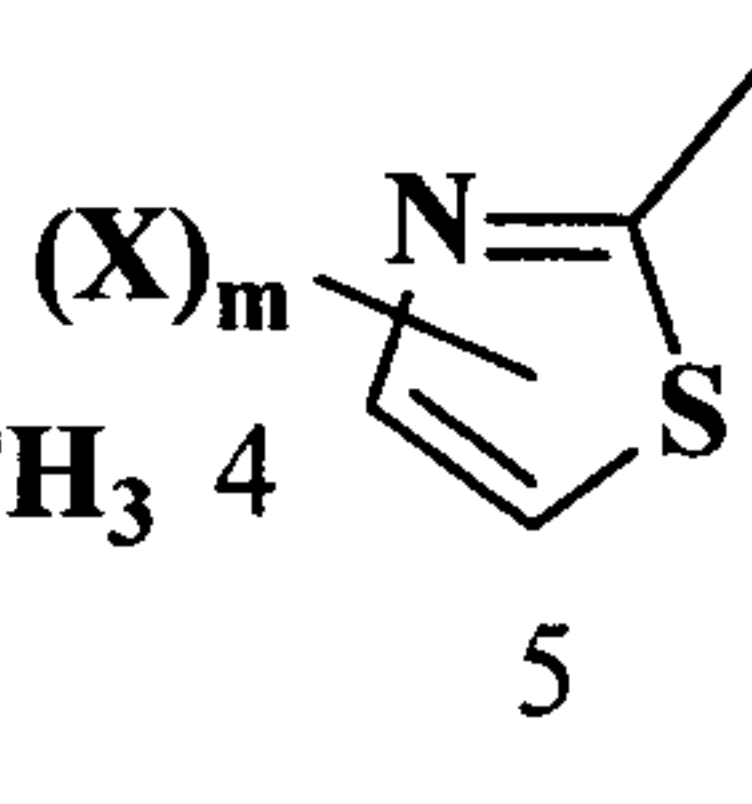
G - 16



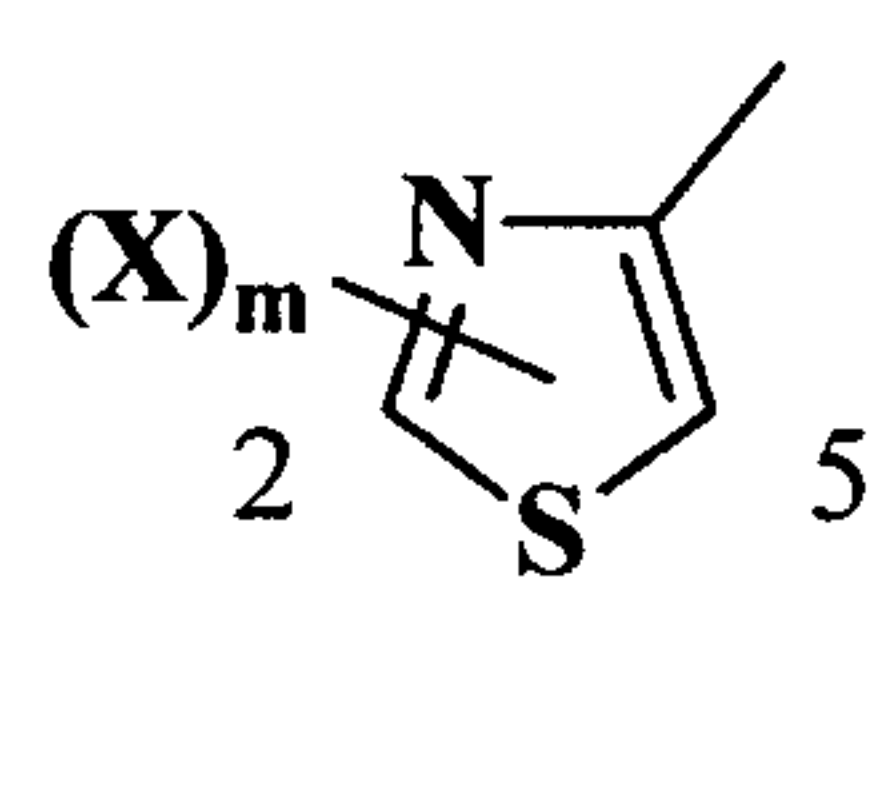
G - 17a



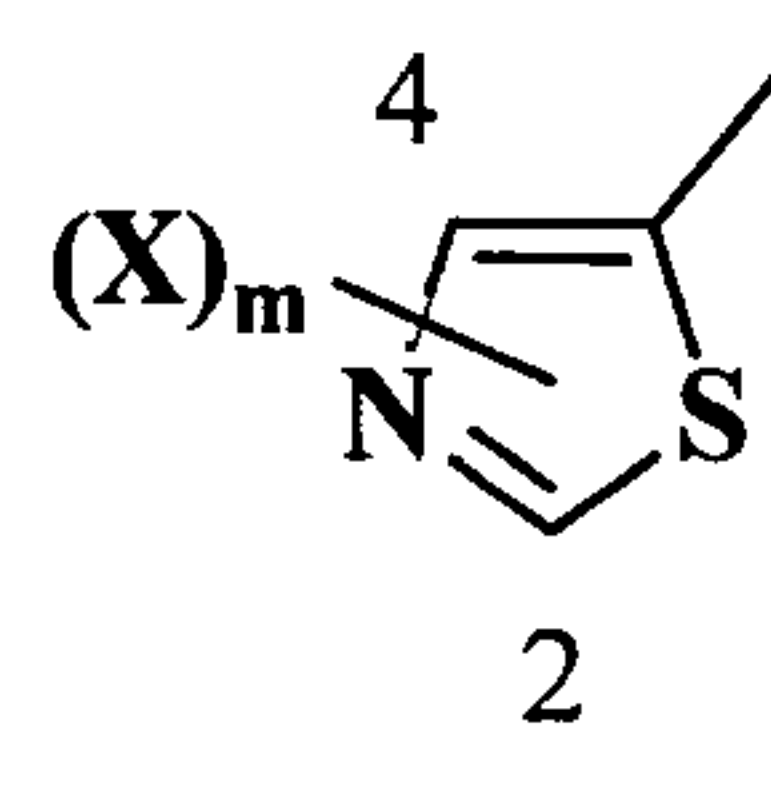
G - 19a



G - 20



G - 21



G - 22

G	(X) _m	(Y) _n	R ²	R ¹
G-1	3-CF ₃	2-Pr-i	H	CH ₂ CF ₃

G-1	3-CF ₃	2-OEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-CF ₃	2-OPr-i	H	CH ₂ (D-22a)
G-1	3-CF ₃	2-OSO ₂ CH ₃	H	CH ₂ (D-47a)
G-1	3-CF ₃	2-SEt	H	N(CH ₃)(D-50a)
G-1	3-CF ₃	2-SPr-i	H	CH ₂ CF ₃
G-1	3-CF ₃	2-NHCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-CF ₃	2-NHEt	H	CH ₂ (D-22a)
G-1	3-CF ₃	2-NHPr-i	H	CH ₂ (D-47a)
G-1	3-CF ₂ CF ₃	2-Pr-i	H	N(CH ₃)(D-50a)
G-1	3-CF ₂ CF ₃	2-OEt	H	CH ₂ CF ₃
G-1	3-CF ₂ CF ₃	2-OPr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-CF ₂ CF ₃	2-OSO ₂ CH ₃	H	CH ₂ (D-22a)
G-1	3-CF ₂ CF ₃	2-SEt	H	CH ₂ (D-47a)
G-1	3-CF ₂ CF ₃	2-SPr-i	H	N(CH ₃)(D-50a)
G-1	3-CF ₂ CF ₃	2-NHCH ₃	H	CH ₂ CF ₃
G-1	3-CF ₂ CF ₃	2-NHEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-CF ₂ CF ₃	2-NHPr-i	H	CH ₂ (D-22a)
G-1	3-SF ₅	2-Pr-i	H	CH ₂ (D-47a)
G-1	3-SF ₅	2-OEt	H	N(CH ₃)(D-50a)
G-1	3-SF ₅	2-OPr-i	H	CH ₂ CF ₃
G-1	3-SF ₅	2-OSO ₂ CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-SF ₅	2-SEt	H	CH ₂ (D-22a)
G-1	3-SF ₅	2-SPr-i	H	CH ₂ (D-47a)
G-1	3-SF ₅	2-NHCH ₃	H	N(CH ₃)(D-50a)
G-1	3-SF ₅	2-NHEt	H	CH ₂ CF ₃
G-1	3-SF ₅	2-NHPr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-F-5-Cl	2-Pr-i	H	CH ₂ (D-22a)
G-1	3-F-5-Cl	2-OEt	H	CH ₂ (D-47a)
G-1	3-F-5-Cl	2-OPr-i	H	N(CH ₃)(D-50a)
G-1	3-F-5-Cl	2-OSO ₂ CH ₃	H	CH ₂ CF ₃
G-1	3-F-5-Cl	2-SEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-F-5-Cl	2-SPr-i	H	CH ₂ (D-22a)
G-1	3-F-5-Cl	2-NHCH ₃	H	CH ₂ (D-47a)
G-1	3-F-5-Cl	2-NHEt	H	N(CH ₃)(D-50a)
G-1	3-F-5-Cl	2-NHPr-i	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	3-F	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	3-Cl	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	3-Br	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	3-CH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	3-Et	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-Pr-n	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-Pr-i	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-Pr-i	C(O)CH ₃	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-Pr-i	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
G-1	3,5-Cl ₂	2-Pr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-Pr-i	H	CH ₂ (D-22a)

G-1	3,5-Cl ₂	2-Pr-i	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-Pr-i	CH ₂ CN	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-Pr-i	C(O)Et	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-Pr-i	H	CH(CH ₃)Ph(R)
G-1	3,5-Cl ₂	2-Pr-i	H	N(CH ₃)Ph
G-1	3,5-Cl ₂	2-Pr-i	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-Bu-n	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-Bu-s	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-Bu-t	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CF ₂ CF ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ OH	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ OCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ OCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CH ₂ OCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₂ OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₂ OEt	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CH ₂ OPr-n	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₂ OPr-i	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₂ OPr-c	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ OCH ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ CH ₂ OCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CH ₂ SCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ SCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ SCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CH ₂ SCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₂ SCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₂ S(O)CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₂ SO ₂ CH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₂ SCF ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ SCF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ SCF ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CH ₂ SCF ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₂ SCF ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₂ S(O)CF ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ SO ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₂ Ph	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CH ₂ (D-14a)	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₂ (D-24a)	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₂ (D-38a)	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	3-OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-OEt	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-OEt	C(O)CH ₃	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-OEt	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
G-1	3,5-Cl ₂	2-OEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-OEt	H	CH ₂ (D-22a)

G-1	3,5-Cl ₂	2-OEt	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OEt	CH ₂ CN	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OEt	C(O)Et	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OEt	H	CH(CH ₃)Ph(R)
G-1	3,5-Cl ₂	2-OEt	H	N(CH ₃)Ph
G-1	3,5-Cl ₂	2-OEt	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-OEt	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-OPr-n	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-OPr-i	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-OPr-i	C(O)CH ₃	CH ₂ C(O)NHCH ₂ CH ₂ Cl
G-1	3,5-Cl ₂	2-OPr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-OPr-i	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-OPr-i	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OPr-i	CH ₂ CN	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OPr-i	C(O)Et	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OPr-i	H	CH(CH ₃)Ph(R)
G-1	3,5-Cl ₂	2-OPr-i	H	N(CH ₃)Ph
G-1	3,5-Cl ₂	2-OPr-i	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-OPr-i	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OBu-n	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-OPen-n	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-OMex-n	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-OCF ₂ Br	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-OCF ₂ CHF ₂	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OCF ₂ CHFCI	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-OCF ₂ CHFCF ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-OCF ₂ CHFOCF ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	C(O)CH ₃	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	CH ₂ CN	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	C(O)Et	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	H	CH(CH ₃)Ph(R)
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	H	N(CH ₃)Ph
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-OSO ₂ CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-OSO ₂ Et	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-OSO ₂ Pr-i	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OSO ₂ CF ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-OPh	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-S(O)CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-SO ₂ CH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-SEt	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-SEt	C(O)CH ₃	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-SEt	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl

G-1	3,5-Cl ₂	2-SEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-SEt	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-SEt	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-SEt	CH ₂ CN	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-SEt	C(O)Et	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-SEt	H	CH(CH ₃)Ph(R)
G-1	3,5-Cl ₂	2-SEt	H	N(CH ₃)Ph
G-1	3,5-Cl ₂	2-SEt	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-S(O)Et	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-SO ₂ Et	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-SPr-n	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-S(O)Pr-n	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-SO ₂ Pr-n	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-SPr-i	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-SPr-i	C(O)CH ₃	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-SPr-i	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
G-1	3,5-Cl ₂	2-SPr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-SPr-i	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-SPr-i	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-SPr-i	CH ₂ CN	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-SPr-i	C(O)Et	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-SPr-i	H	CH(CH ₃)Ph(R)
G-1	3,5-Cl ₂	2-SPr-i	H	N(CH ₃)Ph
G-1	3,5-Cl ₂	2-SPr-i	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-S(O)Pr-i	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-SO ₂ Pr-i	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-S(O)CHF ₂	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-SO ₂ CHF ₂	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-S(O)CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-SO ₂ CF ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-SCF ₂ Br	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-S(O)CF ₂ Br	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-SO ₂ CF ₂ Br	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-SCF ₂ CHFCI	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-S(O)CF ₂ CHFCI	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-SO ₂ CF ₂ CHFCI	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-SPh	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-S(O)Ph	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-SO ₂ Ph	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHCH ₃	H	c-Bu
G-1	3,5-Cl ₂	2-NHCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)CH ₃	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)Et	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)OCH ₃	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHCH ₃	H	CH ₂ CH ₂ OCH ₃
G-1	3,5-Cl ₂	2-NHCH ₃	H	CH ₂ (E-10a)

G-1	3,5-Cl ₂	2-NHCH ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
G-1	3,5-Cl ₂	2-NHCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHCH ₃	H	CH(CH ₃)Ph(R)
G-1	3,5-Cl ₂	2-NHCH ₃	H	CH ₂ (D-17a)CH ₃
G-1	3,5-Cl ₂	2-NHCH ₃	H	CH ₂ (D-17b)Cl
G-1	3,5-Cl ₂	2-NHCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)CH ₃	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)Et	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)OCH ₃	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHCH ₃	CH ₂ CN	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)CH ₃	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)Et	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)OCH ₃	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
G-1	3,5-Cl ₂	2-NHCH ₃	H	N(CH ₃)Ph
G-1	3,5-Cl ₂	2-NHCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHCH ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHEt	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHEt	C(O)CH ₃	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHEt	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
G-1	3,5-Cl ₂	2-NHEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHEt	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHEt	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHEt	CH ₂ CN	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHEt	C(O)Et	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHEt	H	CH(CH ₃)Ph(R)
G-1	3,5-Cl ₂	2-NHEt	H	N(CH ₃)Ph
G-1	3,5-Cl ₂	2-NHEt	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHPr-n	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHPr-n	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHPr-n	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHPr-n	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHPr-n	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHPr-i	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHPr-i	C(O)CH ₃	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHPr-i	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
G-1	3,5-Cl ₂	2-NHPr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHPr-i	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHPr-i	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHPr-i	CH ₂ CN	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHPr-i	C(O)Et	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHPr-i	H	CH(CH ₃)Ph(R)
G-1	3,5-Cl ₂	2-NHPr-i	H	N(CH ₃)Ph
G-1	3,5-Cl ₂	2-NHPr-i	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N(CH ₃) ₂	H	CH ₂ CF ₃

G-1	3,5-Cl ₂	2-N(CH ₃) ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃) ₂	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N(CH ₃) ₂	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N(CH ₃) ₂	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N(CH ₃)Et	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N(Et) ₂	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHCHO	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHCHO	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHCHO	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHCHO	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHCHO	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHC(O)CH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(O)CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(O)CH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHC(O)CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHC(O)CH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHC(O)Et	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHC(O)Pr-n	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(O)Pr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(O)Pr-c	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHC(O)Bu-t	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHC(O)CF ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(O)CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(O)CF ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHC(O)CF ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHC(O)CF ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHC(O)OCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(O)OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(O)OCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHC(O)OCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHC(O)OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHC(O)OEt	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHC(O)SCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(O)SCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(O)SCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHC(O)SCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHC(O)SCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHC(O)SEt	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(S)OCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(S)OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(S)OCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHC(S)OCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHC(S)OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHC(S)OEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(S)SCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHC(S)SCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃

G-1	3,5-Cl ₂	2-NHC(S)SCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHC(S)SCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHC(S)SCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHC(S)SEt	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHSO ₂ CH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHSO ₂ CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHSO ₂ CH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHSO ₂ CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHSO ₂ CH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-NHSO ₂ CF ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHSO ₂ CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHSO ₂ CF ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-NHSO ₂ CF ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-NHSO ₂ CF ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N(CH ₃)CHO	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)CHO	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)CHO	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N(CH ₃)CHO	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N(CH ₃)CHO	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)Et	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)Pr-n	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)Pr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)Pr-c	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)Bu-t	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)CF ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)OCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)OEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)SCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N(CH ₃)C(O)SEt	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N(CH ₃)C(S)OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N(CH ₃)C(S)OEt	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)C(S)SCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)C(S)SEt	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N(CH ₃)SO ₂ CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N(CH ₃)SO ₂ CF ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N(Et)CHO	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(Et)C(O)CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(Et)C(O)Et	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N(Et)C(O)Pr-n	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N(Et)C(O)Pr-i	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N(Et)C(O)Pr-c	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(Et)C(O)Bu-t	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(Et)C(O)CF ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N(Et)C(O)OCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N(Et)C(O)OEt	H	N(CH ₃)(D-50a)

G-1	3,5-Cl ₂	2-N(Et)C(O)SCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(Et)C(O)SEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(Et)C(S)OCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N(Et)C(S)OEt	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N(Et)C(S)SCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N(Et)C(S)SEt	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)SO ₂ CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)SO ₂ CF ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N=CHOCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N=C(CH ₃)OCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-N=C(CH ₃)OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N=C(CH ₃)OCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N=C(CH ₃)OCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-N=C(CH ₃)OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-N=C(CH ₃)OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-(D-5a)	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-NHCH ₂ -		CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-N(CH ₃)CH ₂ -		CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-N(Et)CH ₂ -		CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-C(O)OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-C(O)NH ₂	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-(T-21)	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-C(S)NH ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-C(S)NH ₂	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-C(S)NH ₂	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-C(S)NH ₂	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-C(S)NH ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-(T-22)	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-Ph	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-(D-14a)	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-(D-24a)	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-(D-38a)	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-(D-43a)	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-(D-43b)CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-(D-44a)	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-(D-45a)	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-(D-45b)CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-(D-46a)	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-(D-46b)CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2,3-F ₂	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-F-3-Cl	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-F-3-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-F-3-CN	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-F-3-OCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2,5-F ₂	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-F-5-Cl	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-F-5-Br	H	

G-1	3,5-Cl ₂	2-F-5-CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-F-5-CF ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-F-5-OCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2,6-F ₂	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-F-6-Cl	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-F-6-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-F-6-CF ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-F-6-NO ₂	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-Cl-3-F	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2,3-Cl ₂	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-Cl-3-CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-Cl-3-OCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-Cl-3-CN	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-Cl-5-F	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2,5-Cl ₂	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-Cl-5-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-Cl-5-CH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-Cl-5-CF ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-Cl-5-OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2,6-Cl ₂	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-Cl-6-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-Cl-6-CH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-Cl-6-CF ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-Cl-6-OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-Br-3-F	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-Br-3-OCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-Br-5-F	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-Br-5-Cl	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2,5-Br ₂	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-Br-5-CH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-Br-5-CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-Br-5-OCH ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2,6-Br ₂	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₃ -3-F	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₃ -3-F	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₃ -3-F	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CH ₃ -3-F	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₃ -3-F	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₃ -3-Cl	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₃ -3-Br	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2,3-(CH ₃) ₂	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₃ -3-CF ₃	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CH ₃ -3-OCH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₃ -3-CN	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₃ -5-F	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₃ -5-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃

G-1	3,5-Cl ₂	2-CH ₃ -5-Br	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2,5-(CH ₃) ₂	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₃ -5-CF ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₃ -5-OCH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₃ -6-F	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₃ -6-F	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-CH ₃ -6-F	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CH ₃ -6-F	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₃ -6-F	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CH ₃ -6-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2,6-(CH ₃) ₂	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CH ₃ -6-CF ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CH ₃ -6-OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-CF ₃ -5-F	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CF ₃ -5-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-CF ₃ -5-Br	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-CF ₃ -5-CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-CF ₃ -6-OCH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-OCH ₃ -3-F	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-OCH ₃ -3-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Cl ₂	2-OCH ₃ -5-F	H	CH ₂ (D-22a)
G-1	3,5-Cl ₂	2-OCH ₃ -5-Cl	H	CH ₂ (D-47a)
G-1	3,5-Cl ₂	2-OCH ₃ -5-Br	H	N(CH ₃)(D-50a)
G-1	3,5-Cl ₂	2-OCH ₃ -5-CH ₃	H	CH ₂ CF ₃
G-1	3,5-Cl ₂	2-CN-3-F	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-F-5-Br	2-Pr-i	H	CH ₂ (D-22a)
G-1	3-F-5-Br	2-OEt	H	CH ₂ (D-47a)
G-1	3-F-5-Br	2-OPr-i	H	N(CH ₃)(D-50a)
G-1	3-F-5-Br	2-OSO ₂ CH ₃	H	CH ₂ CF ₃
G-1	3-F-5-Br	2-SEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-F-5-Br	2-SPr-i	H	CH ₂ (D-22a)
G-1	3-F-5-Br	2-NHCH ₃	H	CH ₂ (D-47a)
G-1	3-F-5-Br	2-NHEt	H	N(CH ₃)(D-50a)
G-1	3-F-5-Br	2-NHPr-i	H	CH ₂ CF ₃
G-1	3-Cl-5-Br	2-Pr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-Cl-5-Br	2-OEt	H	CH ₂ (D-22a)
G-1	3-Cl-5-Br	2-OPr-i	H	CH ₂ (D-47a)
G-1	3-Cl-5-Br	2-OSO ₂ CH ₃	H	N(CH ₃)(D-50a)
G-1	3-Cl-5-Br	2-SEt	H	CH ₂ CF ₃
G-1	3-Cl-5-Br	2-SPr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-Cl-5-Br	2-NHCH ₃	H	CH ₂ (D-22a)
G-1	3-Cl-5-Br	2-NHEt	H	CH ₂ (D-47a)
G-1	3-Cl-5-Br	2-NHPr-i	H	N(CH ₃)(D-50a)
G-1	3,5-Br ₂	2-Pr-i	H	CH ₂ CF ₃
G-1	3,5-Br ₂	2-OEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Br ₂	2-OPr-i	H	CH ₂ (D-22a)

G-1	3,5-Br ₂	2-OSO ₂ CH ₃	H	CH ₂ (D-47a)
G-1	3,5-Br ₂	2-SEt	H	N(CH ₃)(D-50a)
G-1	3,5-Br ₂	2-SPr-i	H	CH ₂ CF ₃
G-1	3,5-Br ₂	2-NHCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-Br ₂	2-NHEt	H	CH ₂ (D-22a)
G-1	3,5-Br ₂	2-NHPr-i	H	CH ₂ (D-47a)
G-1	3-F-5-CF ₃	2-Pr-i	H	N(CH ₃)(D-50a)
G-1	3-F-5-CF ₃	2-OEt	H	CH ₂ CF ₃
G-1	3-F-5-CF ₃	2-OPr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-F-5-CF ₃	2-OSO ₂ CH ₃	H	CH ₂ (D-22a)
G-1	3-F-5-CF ₃	2-SEt	H	CH ₂ (D-47a)
G-1	3-F-5-CF ₃	2-SPr-i	H	N(CH ₃)(D-50a)
G-1	3-F-5-CF ₃	2-NHCH ₃	H	CH ₂ CF ₃
G-1	3-F-5-CF ₃	2-NHEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-F-5-CF ₃	2-NHPr-i	H	CH ₂ (D-22a)
G-1	3-Cl-5-CF ₃	2-Pr-i	H	CH ₂ (D-47a)
G-1	3-Cl-5-CF ₃	2-OEt	H	N(CH ₃)(D-50a)
G-1	3-Cl-5-CF ₃	2-OPr-i	H	CH ₂ CF ₃
G-1	3-Cl-5-CF ₃	2-OSO ₂ CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-Cl-5-CF ₃	2-SEt	H	CH ₂ (D-22a)
G-1	3-Cl-5-CF ₃	2-SPr-i	H	CH ₂ (D-47a)
G-1	3-Cl-5-CF ₃	2-NHCH ₃	H	N(CH ₃)(D-50a)
G-1	3-Cl-5-CF ₃	2-NHEt	H	CH ₂ CF ₃
G-1	3-Cl-5-CF ₃	2-NHPr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-Br-5-CF ₃	2-Pr-i	H	CH ₂ (D-22a)
G-1	3-Br-5-CF ₃	2-OEt	H	CH ₂ (D-47a)
G-1	3-Br-5-CF ₃	2-OPr-i	H	N(CH ₃)(D-50a)
G-1	3-Br-5-CF ₃	2-OSO ₂ CH ₃	H	CH ₂ CF ₃
G-1	3-Br-5-CF ₃	2-SEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3-Br-5-CF ₃	2-SPr-i	H	CH ₂ (D-22a)
G-1	3-Br-5-CF ₃	2-NHCH ₃	H	CH ₂ (D-47a)
G-1	3-Br-5-CF ₃	2-NHEt	H	N(CH ₃)(D-50a)
G-1	3-Br-5-CF ₃	2-NHPr-i	H	CH ₂ CF ₃
G-1	3,5-(CF ₃) ₂	2-Pr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-(CF ₃) ₂	2-OEt	H	CH ₂ (D-22a)
G-1	3,5-(CF ₃) ₂	2-OPr-i	H	CH ₂ (D-47a)
G-1	3,5-(CF ₃) ₂	2-OSO ₂ CH ₃	H	N(CH ₃)(D-50a)
G-1	3,5-(CF ₃) ₂	2-SEt	H	CH ₂ CF ₃
G-1	3,5-(CF ₃) ₂	2-SPr-i	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,5-(CF ₃) ₂	2-NHCH ₃	H	CH ₂ (D-22a)
G-1	3,5-(CF ₃) ₂	2-NHEt	H	CH ₂ (D-47a)
G-1	3,5-(CF ₃) ₂	2-NHPr-i	H	N(CH ₃)(D-50a)
G-1	3,4,5-Cl ₃	2-Pr-i	H	CH ₂ CF ₃
G-1	3,4,5-Cl ₃	2-OEt	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,4,5-Cl ₃	2-OPr-i	H	CH ₂ (D-22a)
G-1	3,4,5-Cl ₃	2-OSO ₂ CH ₃	H	CH ₂ (D-47a)

G-1	3,4,5-Cl ₃	2-SEt	H	N(CH ₃)(D-50a)
G-1	3,4,5-Cl ₃	2-SPr-i	H	CH ₂ CF ₃
G-1	3,4,5-Cl ₃	2-NHCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-1	3,4,5-Cl ₃	2-NHEt	H	CH ₂ (D-22a)
G-1	3,4,5-Cl ₃	2-NHPr-i	H	CH ₂ (D-47a)
G-2	4-Cl	2-CH ₃	H	N(CH ₃)(D-50a)
G-2	4-Br	2-CH ₃	H	CH ₂ CF ₃
G-2	4-CF ₃	2-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
G-2	4-CF ₃	2-Br	H	CH ₂ (D-22a)
G-2	4-CF ₃	2-I	H	CH ₂ (D-47a)
G-2	4-CF ₃	2-CH ₃	H	N(CH ₃)(D-50a)
G-2	4-CF ₃	2-Et	H	CH ₂ CF ₃
G-2	4-CF ₃	2-CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-2	4-CF ₃ -6-CH ₃	2-Cl	H	CH ₂ (D-22a)
G-2	4-CF ₃ -6-CH ₃	2-Br	H	CH ₂ (D-47a)
G-2	4-CF ₃ -6-CH ₃	2-I	H	N(CH ₃)(D-50a)
G-2	4-CF ₃ -6-CH ₃	2-CH ₃	H	CH ₂ CF ₃
G-2	4-CF ₃ -6-CH ₃	2-Et	H	CH ₂ C(O)NHCH ₂ CF ₃
G-2	4-CF ₃ -6-CH ₃	2-CF ₃	H	CH ₂ (D-22a)
G-3	5-Cl	2-CH ₃	H	CH ₂ (D-47a)
G-3	5-CF ₃	2-Cl	H	N(CH ₃)(D-50a)
G-3	5-CF ₃	2-Br	H	CH ₂ CF ₃
G-3	5-CF ₃	2-I	H	CH ₂ C(O)NHCH ₂ CF ₃
G-3	5-CF ₃	2-CH ₃	H	CH ₂ (D-22a)
G-3	5-CF ₃	2-Et	H	CH ₂ (D-47a)
G-3	5-CF ₃	2-CF ₃	H	N(CH ₃)(D-50a)
G-3	5-CF ₃ -6-Cl	2-CH ₃	H	CH ₂ CF ₃
G-3	5-NO ₂ -6-Cl	2-CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-4	2-Cl	2-CH ₃	H	CH ₂ (D-22a)
G-4	2-Br	2-CH ₃	H	CH ₂ (D-47a)
G-4	2,6-Cl ₂	—	H	N(CH ₃)(D-50a)
G-4	2,6-Cl ₂	2-F	H	CH ₂ CF ₃
G-4	2,6-Cl ₂	2-Cl	H	CH ₂ CF ₃
G-4	2,6-Cl ₂	2-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
G-4	2,6-Cl ₂	2-Cl	H	CH ₂ (D-22a)
G-4	2,6-Cl ₂	2-Cl	H	CH ₂ (D-47a)
G-4	2,6-Cl ₂	2-Cl	H	N(CH ₃)(D-50a)
G-4	2,6-Cl ₂	2-Br	H	CH ₂ CF ₃
G-4	2,6-Cl ₂	2-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-4	2,6-Cl ₂	2-Br	H	CH ₂ (D-22a)
G-4	2,6-Cl ₂	2-Br	H	CH ₂ (D-47a)
G-4	2,6-Cl ₂	2-Br	H	N(CH ₃)(D-50a)
G-4	2,6-Cl ₂	2-I	H	CH ₂ CF ₃
G-4	2,6-Cl ₂	2-I	H	CH ₂ C(O)NHCH ₂ CF ₃
G-4	2,6-Cl ₂	2-I	H	CH ₂ (D-22a)
G-4	2,6-Cl ₂	2-I	H	CH ₂ (D-47a)

G-4	2,6-Cl ₂	2-I	H	N(CH ₃)(D-50a)
G-4	2,6-Cl ₂	2-CH ₃	H	CH ₂ Pr-c
G-4	2,6-Cl ₂	2-CH ₃	H	c-Bu
G-4	2,6-Cl ₂	2-CH ₃	H	CH ₂ CF ₃
G-4	2,6-Cl ₂	2-CH ₃	C(O)CH ₃	CH ₂ CF ₃
G-4	2,6-Cl ₂	2-CH ₃	C(O)Et	CH ₂ CF ₃
G-4	2,6-Cl ₂	2-CH ₃	C(O)OCH ₃	CH ₂ CF ₃
G-4	2,6-Cl ₂	2-CH ₃	H	CH ₂ CH ₂ OCH ₃
G-4	2,6-Cl ₂	2-CH ₃	H	CH ₂ (E-10a)
G-4	2,6-Cl ₂	2-CH ₃	H	CH ₂ C(O)NHCH ₂ CH ₂ Cl
G-4	2,6-Cl ₂	2-CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-4	2,6-Cl ₂	2-CH ₃	H	CH(CH ₃)Ph(R)
G-4	2,6-Cl ₂	2-CH ₃	H	CH ₂ (D-17a)CH ₃
G-4	2,6-Cl ₂	2-CH ₃	H	CH ₂ (D-17b)Cl
G-4	2,6-Cl ₂	2-CH ₃	H	CH ₂ (D-22a)
G-4	2,6-Cl ₂	2-CH ₃	C(O)CH ₃	CH ₂ (D-22a)
G-4	2,6-Cl ₂	2-CH ₃	C(O)Et	CH ₂ (D-22a)
G-4	2,6-Cl ₂	2-CH ₃	C(O)OCH ₃	CH ₂ (D-22a)
G-4	2,6-Cl ₂	2-CH ₃	H	CH ₂ (D-47a)
G-4	2,6-Cl ₂	2-CH ₃	CH ₂ CN	CH ₂ (D-47a)
G-4	2,6-Cl ₂	2-CH ₃	C(O)CH ₃	CH ₂ (D-47a)
G-4	2,6-Cl ₂	2-CH ₃	C(O)Et	CH ₂ (D-47a)
G-4	2,6-Cl ₂	2-CH ₃	C(O)OCH ₃	CH ₂ (D-47a)
G-4	2,6-Cl ₂	2-CH ₃	C(O)OCH ₃	CH(CH ₃)(D-47a)
G-4	2,6-Cl ₂	2-CH ₃	H	N(CH ₃)Ph
G-4	2,6-Cl ₂	2-CH ₃	H	N(CH ₃)(D-50a)
G-4	2,6-Cl ₂	2-CH ₃	C(O)OCH ₃	N(CH ₃)(D-50a)
G-4	2,6-Cl ₂	2-Et	H	CH ₂ C(O)NHCH ₂ CF ₃
G-4	2,6-Cl ₂	2-CF ₃	H	CH ₂ CF ₃
G-4	2,6-Cl ₂	2-CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-4	2,6-Cl ₂	2-CF ₃	H	CH ₂ (D-22a)
G-4	2,6-Cl ₂	2-CF ₃	H	CH ₂ (D-47a)
G-4	2,6-Cl ₂	2-CF ₃	H	N(CH ₃)(D-50a)
G-4	2,6-Cl ₂	2-OCH ₃	H	CH ₂ (D-22a)
G-4	2,6-Cl ₂	2-OCHF ₂	H	CH ₂ (D-47a)
G-4	2,6-Cl ₂	2-OCF ₃	H	N(CH ₃)(D-50a)
G-4	2,6-Cl ₂	2-SCH ₃	H	CH ₂ CF ₃
G-4	2,6-Cl ₂	2-SCF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-4	2,6-Cl ₂	2-NO ₂	H	CH ₂ (D-22a)
G-4	2,6-Cl ₂	2-NHCH ₃	H	CH ₂ (D-47a)
G-4	2,6-Cl ₂	2-NHEt	H	N(CH ₃)(D-50a)
G-5	2-CF ₃	2-Cl	H	CH ₂ CF ₃
G-5	2-CF ₃	2-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-5	2-CF ₃	2-I	H	CH ₂ (D-22a)
G-5	2-CF ₃	2-CH ₃	H	CH ₂ (D-47a)
G-5	2-CF ₃	2-Et	H	N(CH ₃)(D-50a)

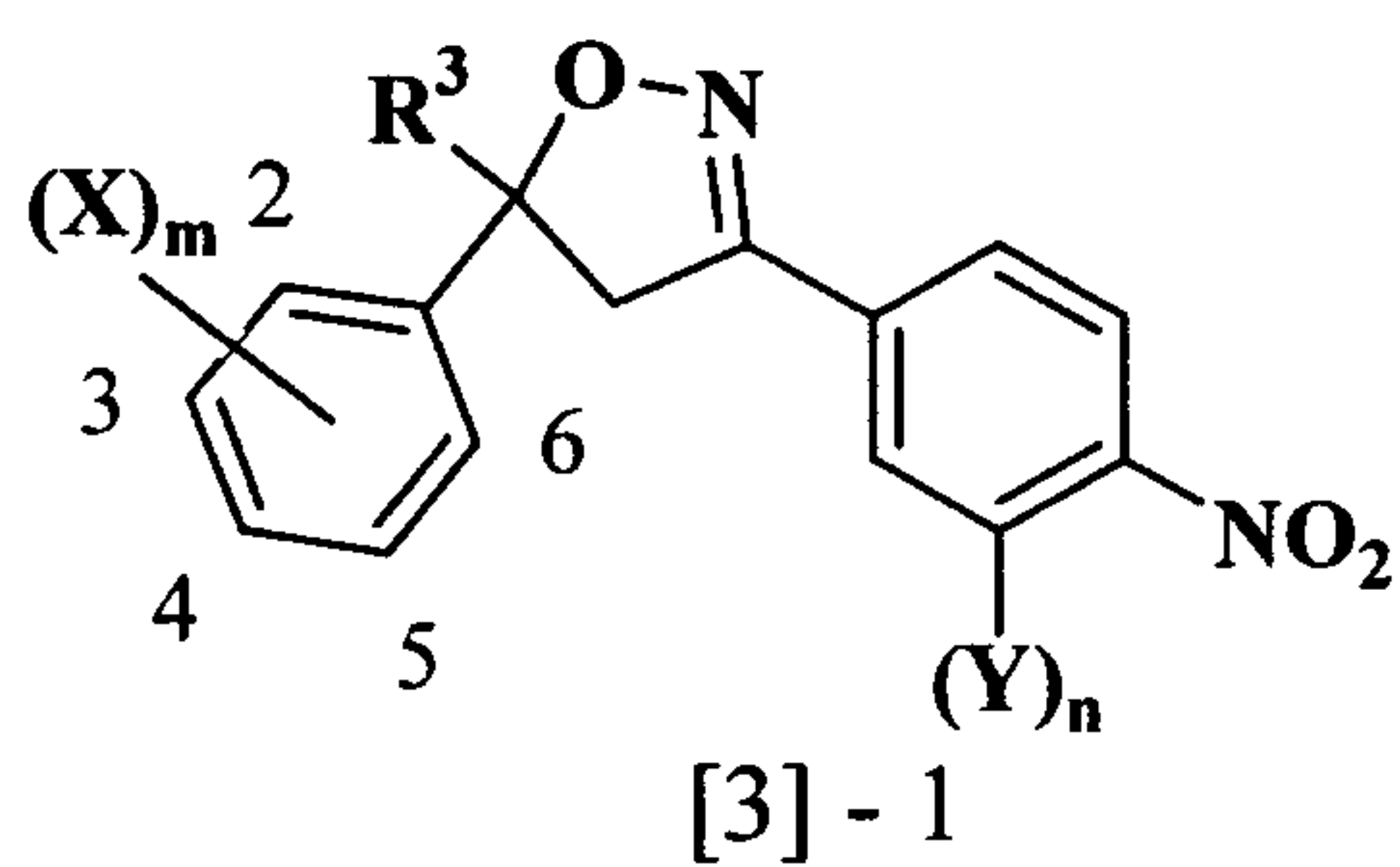
G-5	2-CF ₃	2-CF ₃	H	CH ₂ CF ₃
G-5	6-CF ₃	2-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
G-5	6-CF ₃	2-Br	H	CH ₂ (D-22a)
G-5	6-CF ₃	2-I	H	CH ₂ (D-47a)
G-5	6-CF ₃	2-CH ₃	H	N(CH ₃)(D-50a)
G-5	6-CF ₃	2-Et	H	CH ₂ CF ₃
G-5	6-CF ₃	2-CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-5	2,6-Cl ₂	2-Cl	H	CH ₂ (D-22a)
G-5	2,6-Cl ₂	2-Br	H	CH ₂ (D-47a)
G-5	2,6-Cl ₂	2-I	H	N(CH ₃)(D-50a)
G-5	2,6-Cl ₂	2-CH ₃	H	CH ₂ CF ₃
G-5	2,6-Cl ₂	2-Et	H	CH ₂ C(O)NHCH ₂ CF ₃
G-5	2,6-Cl ₂	2-CF ₃	H	CH ₂ (D-22a)
G-5	2-CH ₃ -6-Cl	2-CH ₃	H	CH ₂ (D-47a)
G-5	2-Cl-6-CF ₃	2-Cl	H	N(CH ₃)(D-50a)
G-5	2-Cl-6-CF ₃	2-Br	H	CH ₂ CF ₃
G-5	2-Cl-6-CF ₃	2-I	H	CH ₂ C(O)NHCH ₂ CF ₃
G-5	2-Cl-6-CF ₃	2-CH ₃	H	CH ₂ (D-22a)
G-5	2-Cl-6-CF ₃	2-Et	H	CH ₂ (D-47a)
G-5	2-Cl-6-CF ₃	2-CF ₃	H	N(CH ₃)(D-50a)
G-5	2-Br-6-CF ₃	2-Cl	H	CH ₂ CF ₃
G-5	2-Br-6-CF ₃	2-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-5	2-Br-6-CF ₃	2-I	H	CH ₂ (D-22a)
G-5	2-Br-6-CF ₃	2-CH ₃	H	CH ₂ (D-47a)
G-5	2-Br-6-CF ₃	2-Et	H	N(CH ₃)(D-50a)
G-5	2-Br-6-CF ₃	2-CF ₃	H	CH ₂ CF ₃
G-5	2-CH ₃ -6-CF ₃	2-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
G-5	2-CH ₃ -6-CF ₃	2-Br	H	CH ₂ (D-22a)
G-5	2-CH ₃ -6-CF ₃	2-I	H	CH ₂ (D-47a)
G-5	2-CH ₃ -6-CF ₃	2-CH ₃	H	N(CH ₃)(D-50a)
G-5	2-CH ₃ -6-CF ₃	2-Et	H	CH ₂ CF ₃
G-5	2-CH ₃ -6-CF ₃	2-CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-5	2,6-(CF ₃) ₂	2-Cl	H	CH ₂ (D-22a)
G-5	2,6-(CF ₃) ₂	2-Br	H	CH ₂ (D-47a)
G-5	2,6-(CF ₃) ₂	2-I	H	N(CH ₃)(D-50a)
G-5	2,6-(CF ₃) ₂	2-CH ₃	H	CH ₂ CF ₃
G-5	2,6-(CF ₃) ₂	2-Et	H	CH ₂ C(O)NHCH ₂ CF ₃
G-5	2,6-(CF ₃) ₂	2-CF ₃	H	CH ₂ (D-22a)
G-5	2-SCH ₃ -6-Cl	2-CH ₃	H	CH ₂ (D-47a)
G-5	2-SCH ₃ -6-CF ₃	2-CH ₃	H	N(CH ₃)(D-50a)
G-11	5-CF ₃	2-Cl	H	CH ₂ CF ₃
G-11	5-CF ₃	2-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-11	5-CF ₃	2-I	H	CH ₂ (D-22a)
G-11	5-CF ₃	2-CH ₃	H	CH ₂ (D-47a)
G-11	5-CF ₃	2-Et	H	N(CH ₃)(D-50a)
G-11	5-CF ₃	2-CF ₃	H	CH ₂ CF ₃

G-12	4-CF ₃	2-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
G-12	4-CF ₃	2-Br	H	CH ₂ (D-22a)
G-12	4-CF ₃	2-I	H	CH ₂ (D-47a)
G-12	4-CF ₃	2-CH ₃	H	N(CH ₃)(D-50a)
G-12	4-CF ₃	2-Et	H	CH ₂ CF ₃
G-12	4-CF ₃	2-CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-13	5-CF ₃	2-F	H	CH ₂ (D-22a)
G-13	5-CF ₃	2-Cl	H	CH ₂ (D-47a)
G-13	5-CF ₃	2-Br	H	N(CH ₃)(D-50a)
G-13	5-CF ₃	2-I	H	CH ₂ CF ₃
G-13	5-CF ₃	2-CH ₃	H	CH ₂ CF ₃
G-13	5-CF ₃	2-CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-13	5-CF ₃	2-CH ₃	H	CH ₂ (D-22a)
G-13	5-CF ₃	2-CH ₃	H	CH ₂ (D-47a)
G-13	5-CF ₃	2-CH ₃	H	N(CH ₃)(D-50a)
G-13	5-CF ₃	2-Et	H	CH ₂ C(O)NHCH ₂ CF ₃
G-13	5-CF ₃	2-CF ₃	H	CH ₂ (D-22a)
G-13	5-CF ₃	2-SCH ₃	H	CH ₂ (D-47a)
G-13	5-CF ₃	2-NHCH ₃	H	N(CH ₃)(D-50a)
G-14	4-CF ₃	2-F	H	CH ₂ CF ₃
G-14	4-CF ₃	2-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
G-14	4-CF ₃	2-Br	H	CH ₂ (D-22a)
G-14	4-CF ₃	2-I	H	CH ₂ (D-47a)
G-14	4-CF ₃	2-CH ₃	H	CH ₂ CF ₃
G-14	4-CF ₃	2-CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-14	4-CF ₃	2-CH ₃	H	CH ₂ (D-22a)
G-14	4-CF ₃	2-CH ₃	H	CH ₂ (D-47a)
G-14	4-CF ₃	2-CH ₃	H	N(CH ₃)(D-50a)
G-14	4-CF ₃	2-Et	H	N(CH ₃)(D-50a)
G-14	4-CF ₃	2-CF ₃	H	CH ₂ CF ₃
G-14	4-CF ₃	2-SCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-14	4-CF ₃	2-NHCH ₃	H	CH ₂ (D-22a)
G-16	3-CF ₃	2-Cl	H	CH ₂ (D-47a)
G-16	3-CF ₃	2-Br	H	N(CH ₃)(D-50a)
G-16	3-CF ₃	2-I	H	CH ₂ CF ₃
G-16	3-CF ₃	2-CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-16	3-CF ₃	2-Et	H	CH ₂ (D-22a)
G-16	3-CF ₃	2-CF ₃	H	CH ₂ (D-47a)
G-17a	5-CF ₃	2-F	H	N(CH ₃)(D-50a)
G-17a	5-CF ₃	2-Cl	H	CH ₂ CF ₃
G-17a	5-CF ₃	2-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-17a	5-CF ₃	2-I	H	CH ₂ (D-22a)
G-17a	5-CF ₃	2-CH ₃	H	CH ₂ CF ₃
G-17a	5-CF ₃	2-CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-17a	5-CF ₃	2-CH ₃	H	CH ₂ (D-22a)
G-17a	5-CF ₃	2-CH ₃	H	CH ₂ (D-47a)

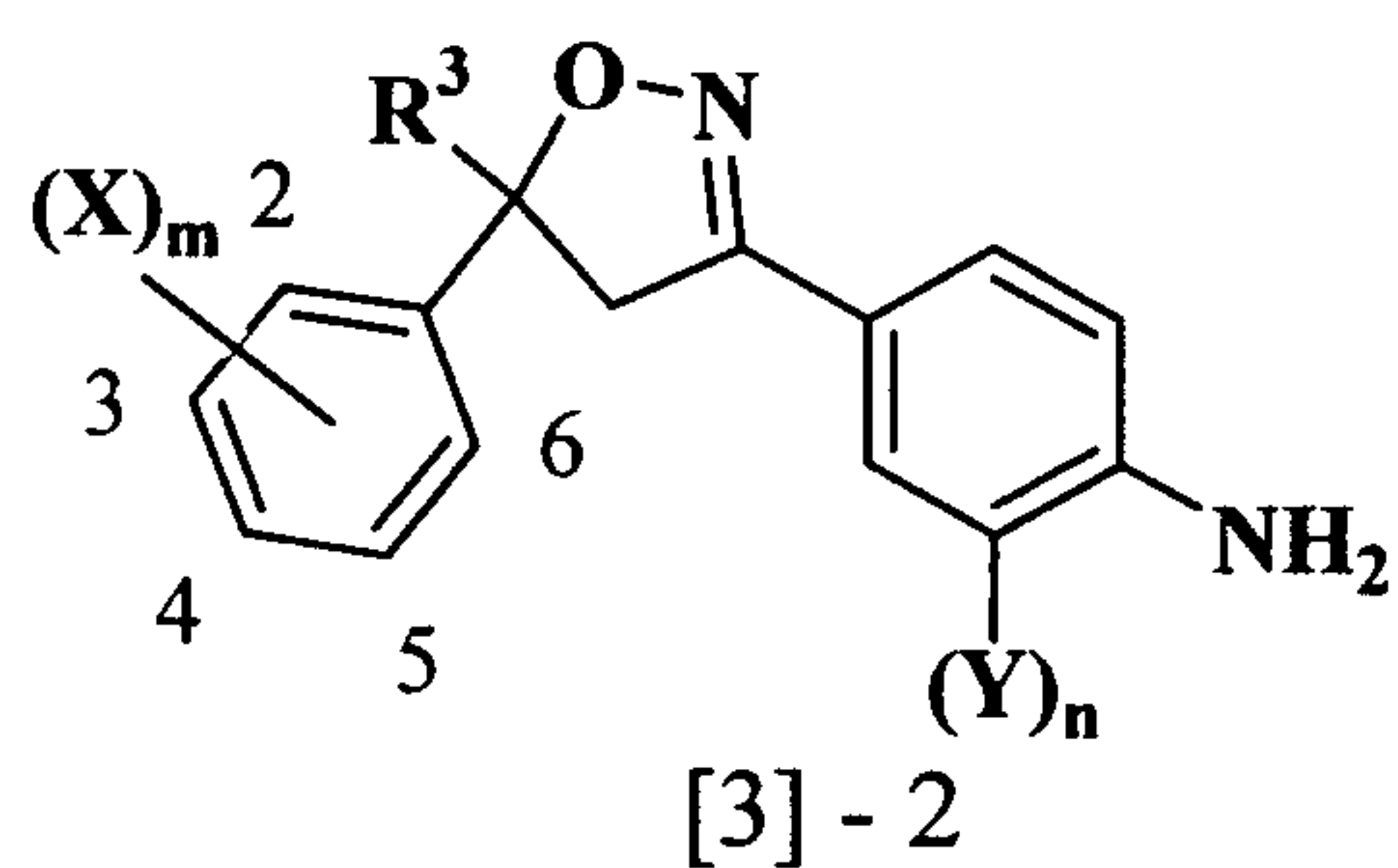
G-17a	5-CF ₃	2-CH ₃	H	N(CH ₃)(D-50a)
G-17a	5-CF ₃	2-Et	H	CH ₂ (D-47a)
G-17a	5-CF ₃	2-CF ₃	H	N(CH ₃)(D-50a)
G-17a	5-CF ₃	2-SCH ₃	H	CH ₂ CF ₃
G-17a	5-CF ₃	2-NHCH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-19a	3-CF ₃	2-Cl	H	CH ₂ (D-22a)
G-19a	3-CF ₃	2-Br	H	CH ₂ (D-47a)
G-19a	3-CF ₃	2-I	H	N(CH ₃)(D-50a)
G-19a	3-CF ₃	2-CH ₃	H	CH ₂ CF ₃
G-19a	3-CF ₃	2-Et	H	CH ₂ C(O)NHCH ₂ CF ₃
G-19a	3-CF ₃	2-CF ₃	H	CH ₂ (D-22a)
G-20	4-CF ₃	2-Cl	H	CH ₂ (D-47a)
G-20	4-CF ₃	2-Br	H	N(CH ₃)(D-50a)
G-20	4-CF ₃	2-I	H	CH ₂ CF ₃
G-20	4-CF ₃	2-CH ₃	H	CH ₂ C(O)NHCH ₂ CF ₃
G-20	4-CF ₃	2-Et	H	CH ₂ (D-22a)
G-20	4-CF ₃	2-CF ₃	H	CH ₂ (D-47a)
G-20	5-CF ₃	2-Cl	H	N(CH ₃)(D-50a)
G-20	5-CF ₃	2-Br	H	CH ₂ CF ₃
G-20	5-CF ₃	2-I	H	CH ₂ C(O)NHCH ₂ CF ₃
G-20	5-CF ₃	2-CH ₃	H	CH ₂ (D-22a)
G-20	5-CF ₃	2-Et	H	CH ₂ (D-47a)
G-20	5-CF ₃	2-CF ₃	H	N(CH ₃)(D-50a)
G-21	2-CF ₃	2-Cl	H	CH ₂ CF ₃
G-21	2-CF ₃	2-Br	H	CH ₂ C(O)NHCH ₂ CF ₃
G-21	2-CF ₃	2-I	H	CH ₂ (D-22a)
G-21	2-CF ₃	2-CH ₃	H	CH ₂ (D-47a)
G-21	2-CF ₃	2-Et	H	N(CH ₃)(D-50a)
G-21	2-CF ₃	2-CF ₃	H	CH ₂ CF ₃
G-22	2-Cl	2-Cl	H	CH ₂ C(O)NHCH ₂ CF ₃
G-22	2-Cl	2-Br	H	CH ₂ (D-22a)
G-22	2-Cl	2-I	H	CH ₂ (D-47a)
G-22	2-Cl	2-CH ₃	H	N(CH ₃)(D-50a)
G-22	2-Cl	2-Et	H	CH ₂ CF ₃
G-22	2-Cl	2-CF ₃	H	CH ₂ C(O)NHCH ₂ CF ₃

Table 4

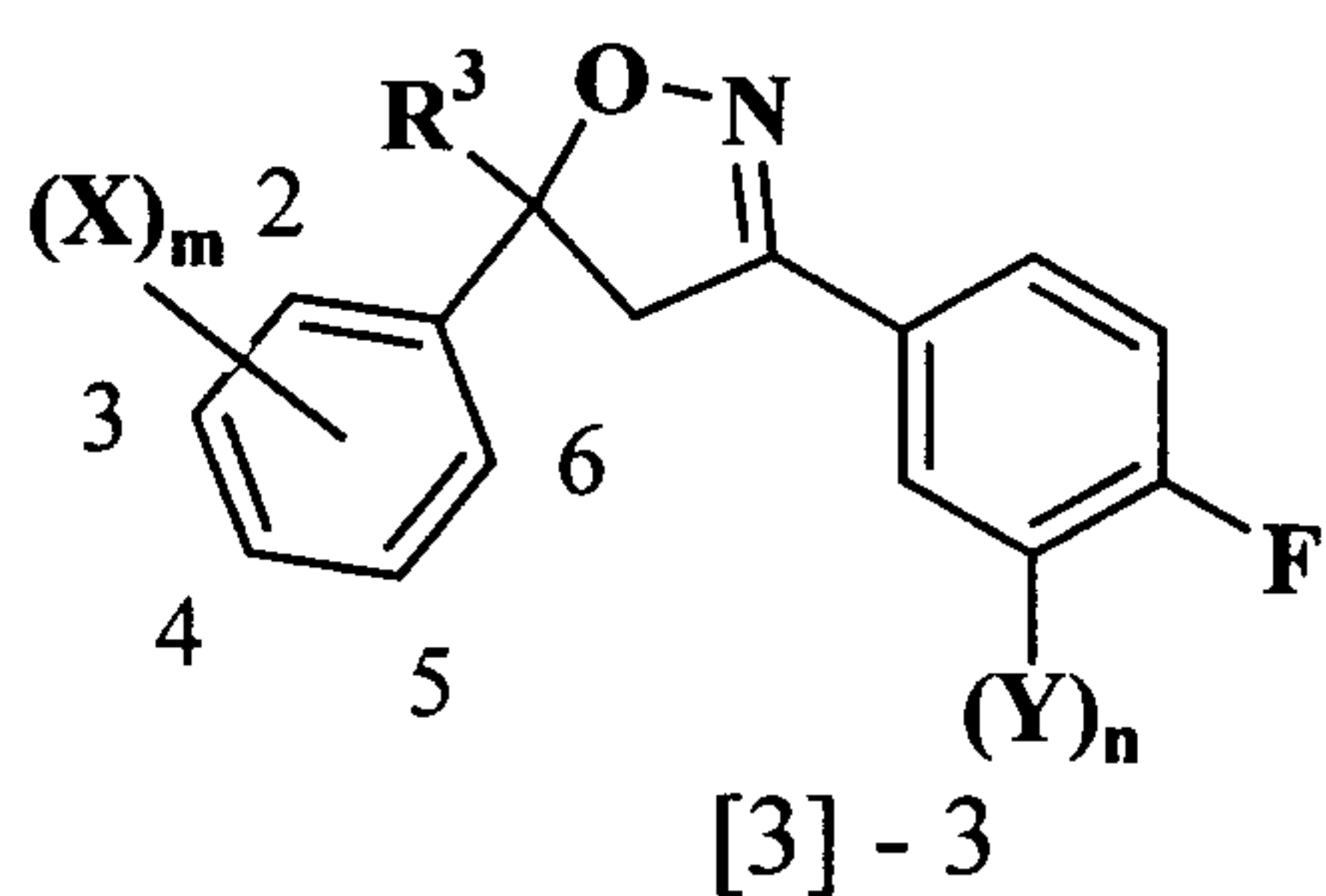
In the table, the number showing the substitution position of substituents (X)_m and (Y)_n corresponds to the position number indicated in the following structural formulae. The indication “-” means no-substitution.



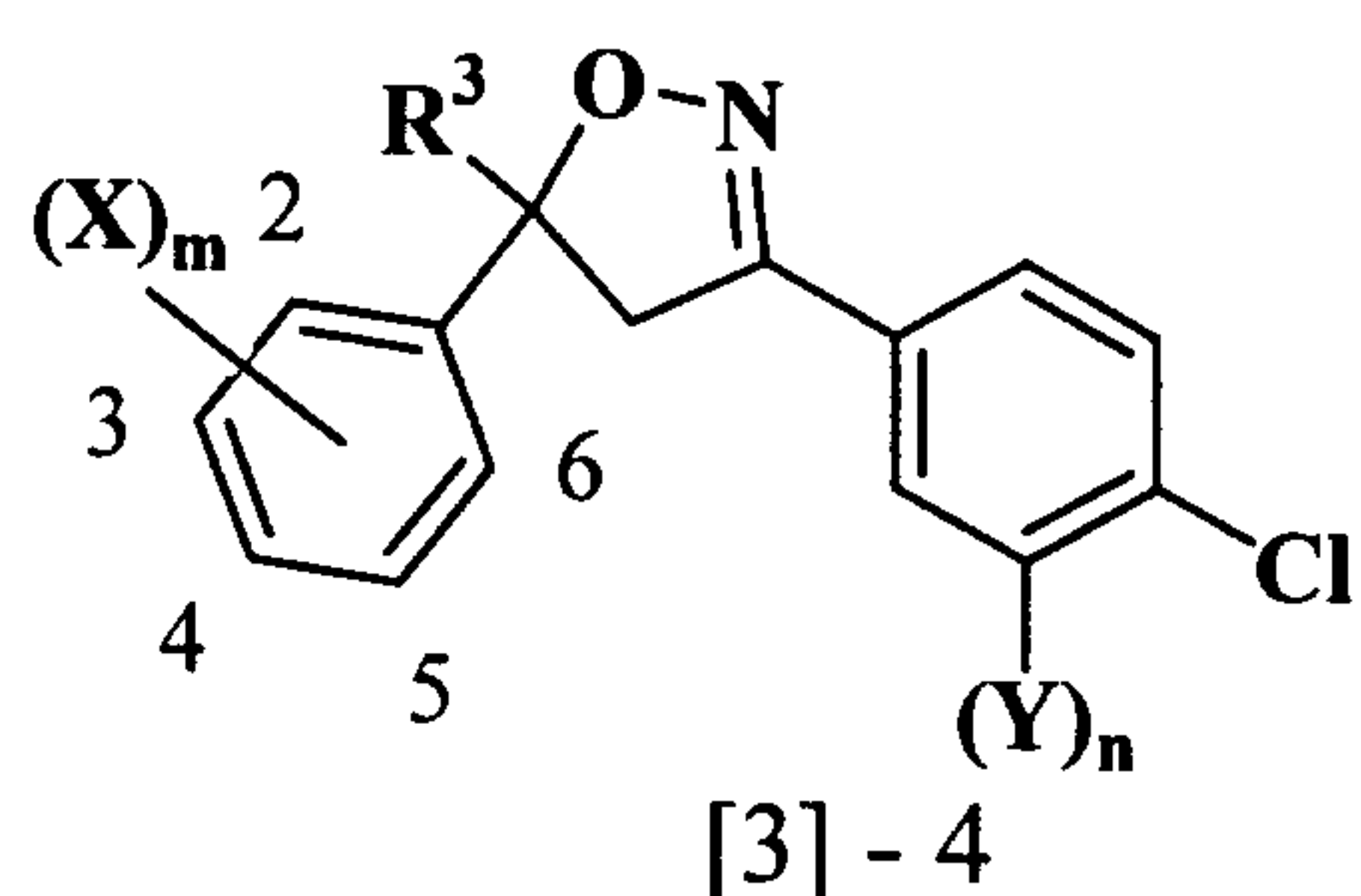
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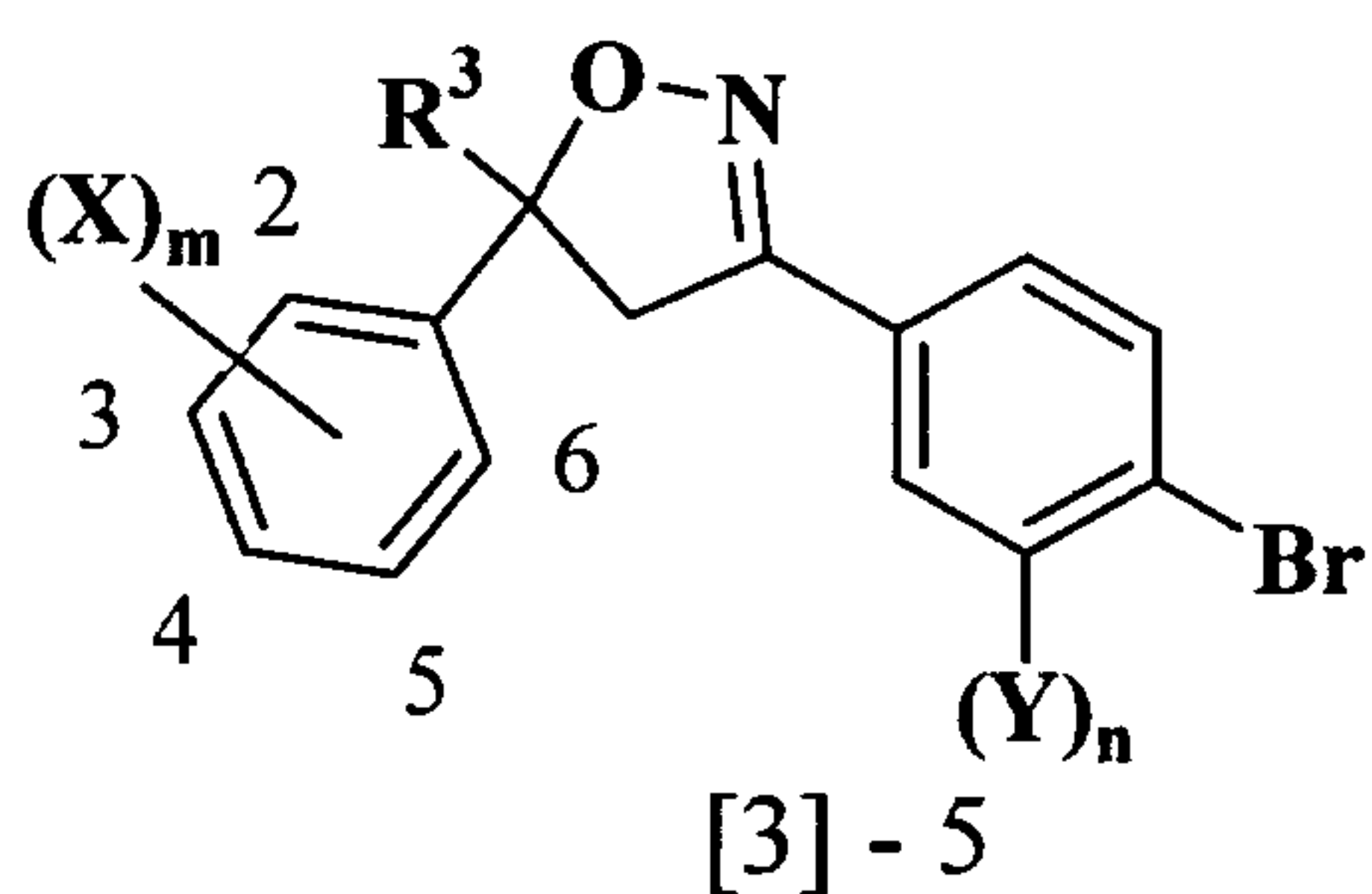
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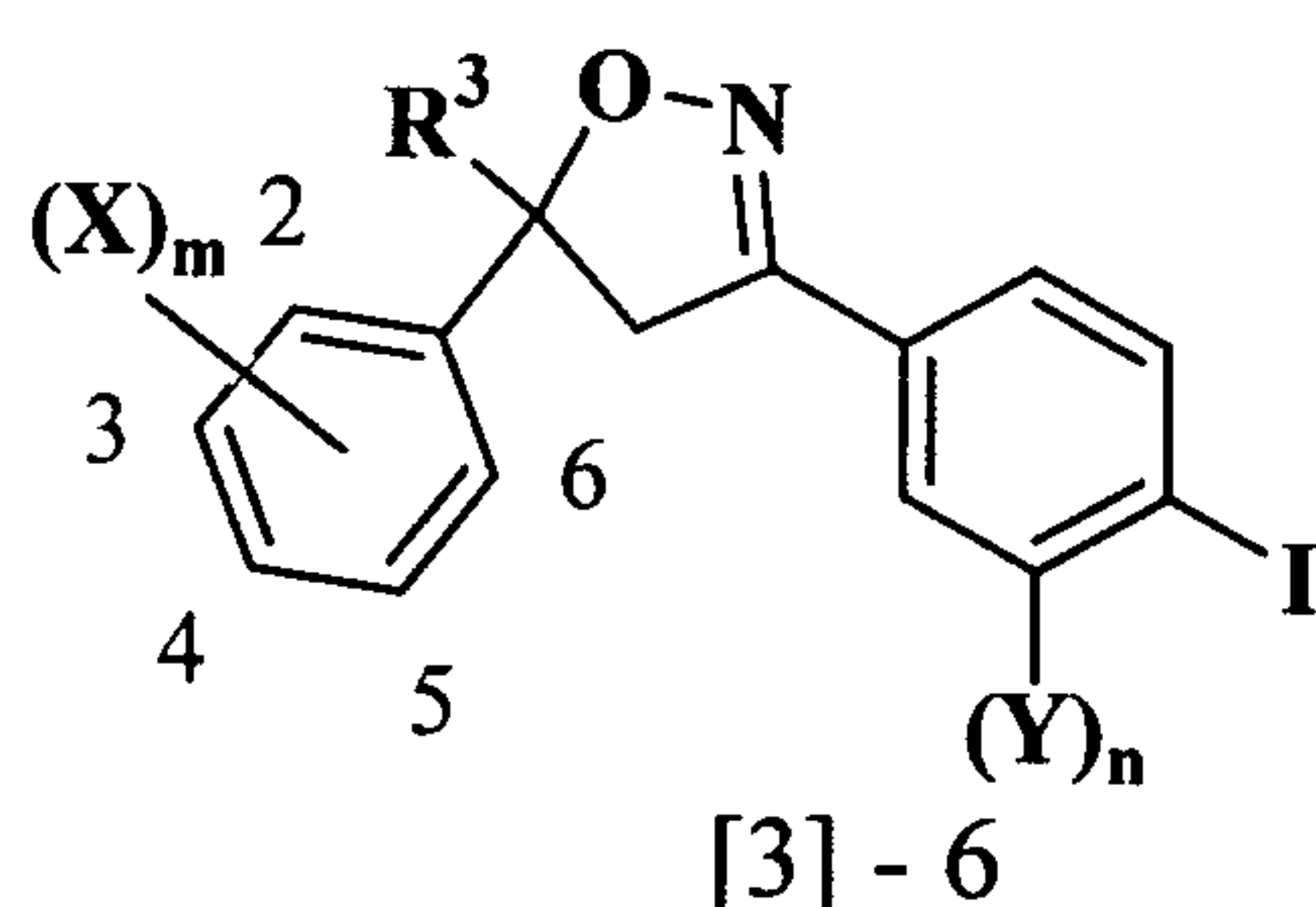
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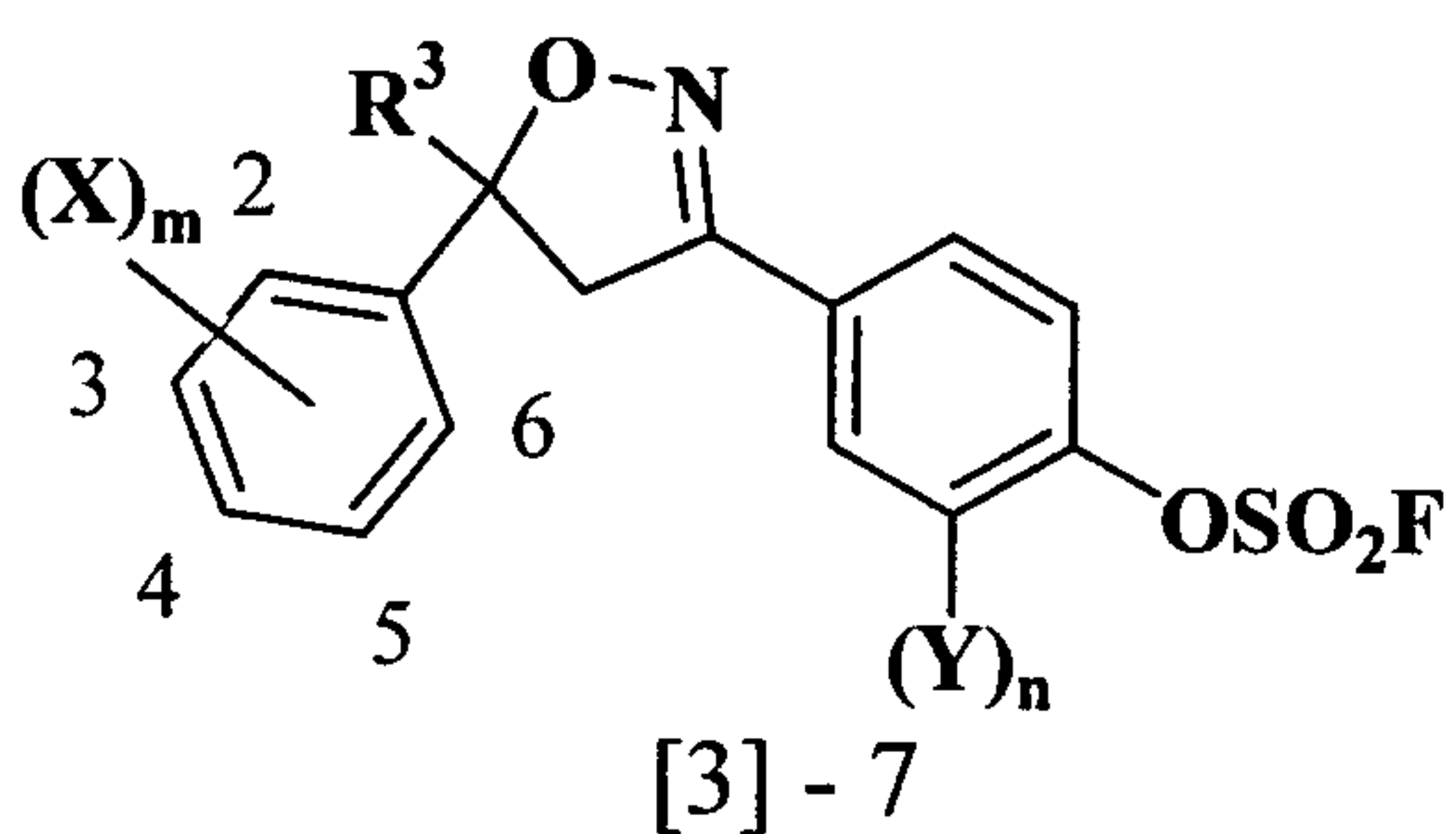
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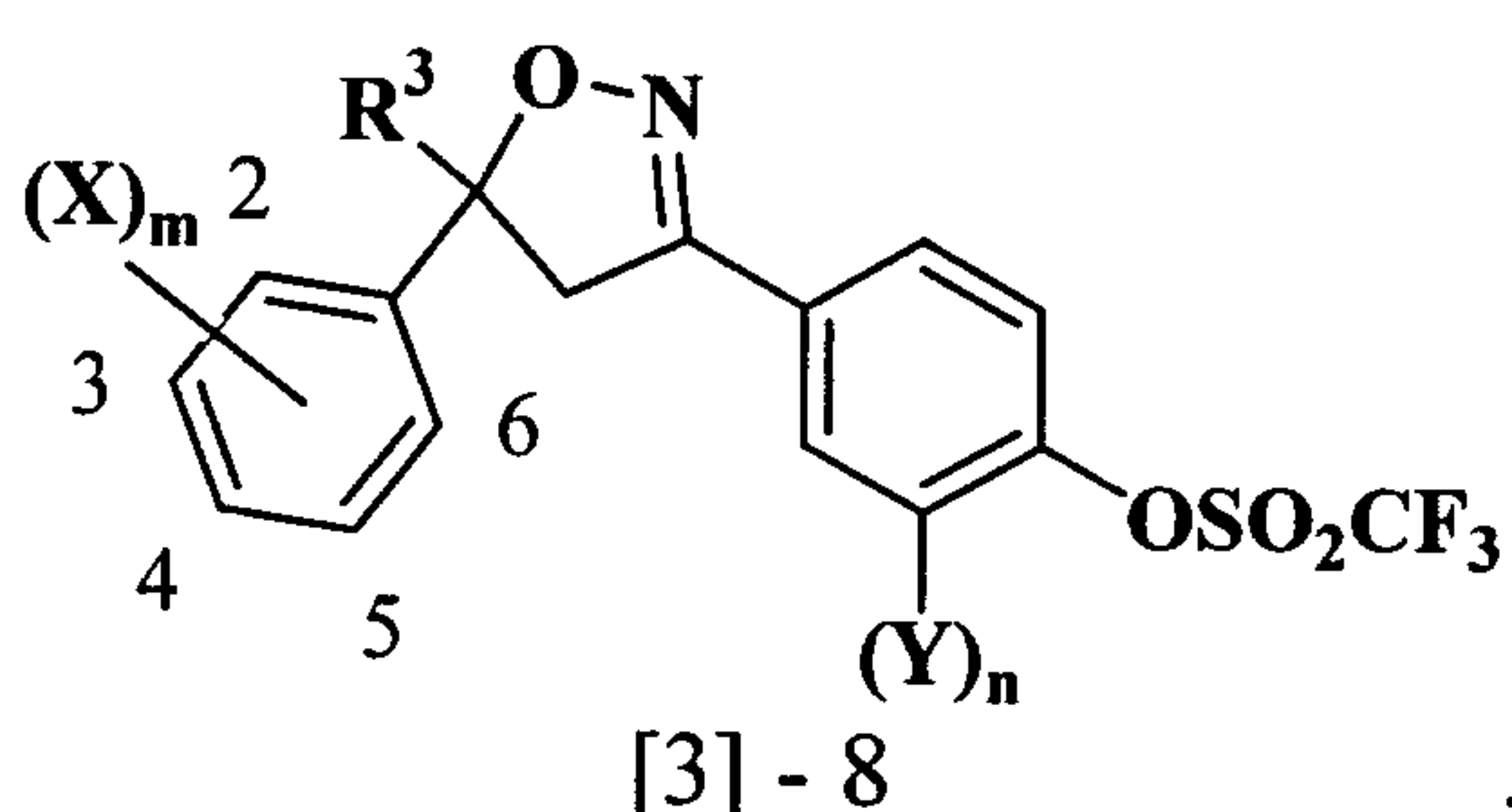
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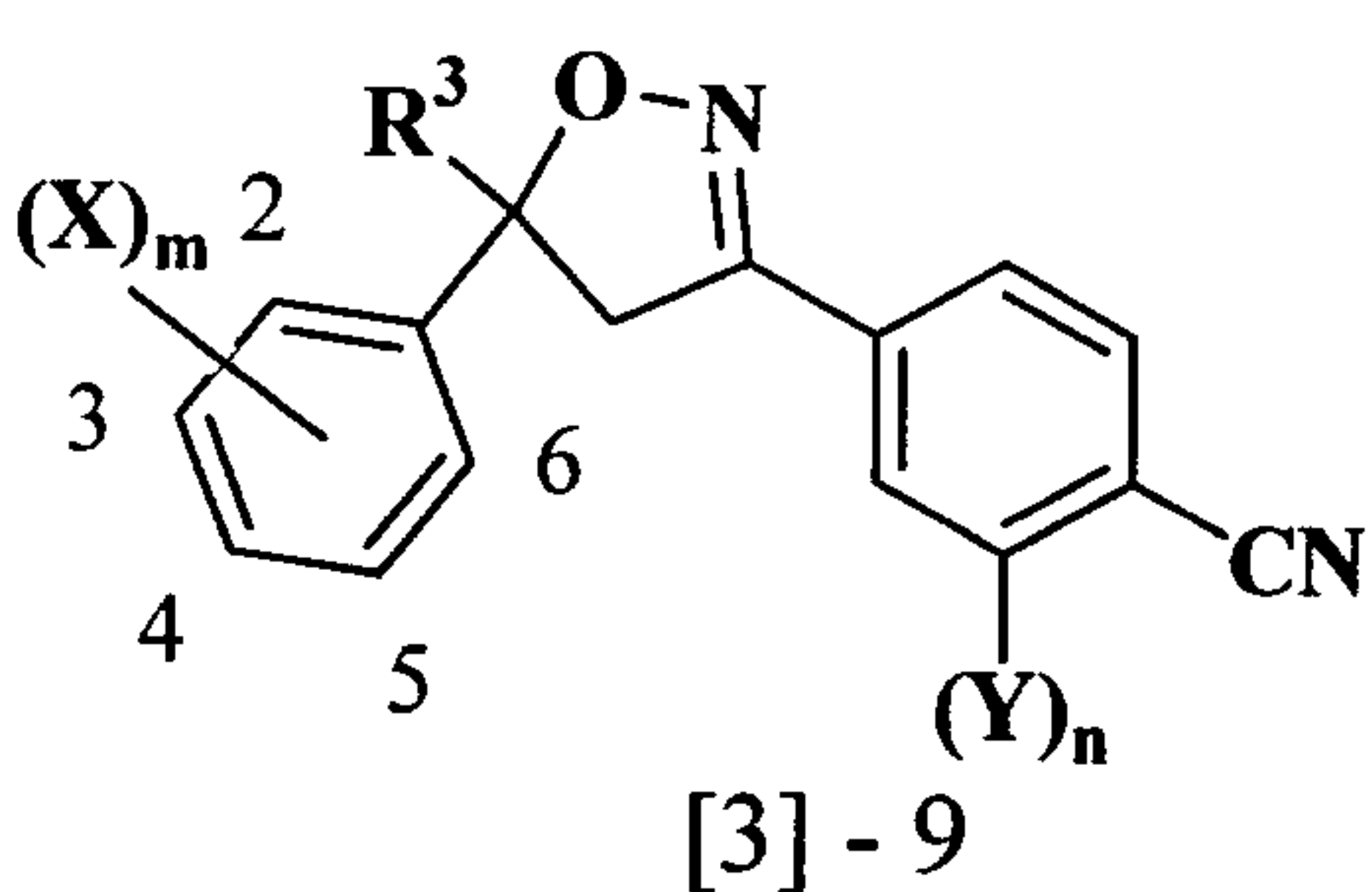
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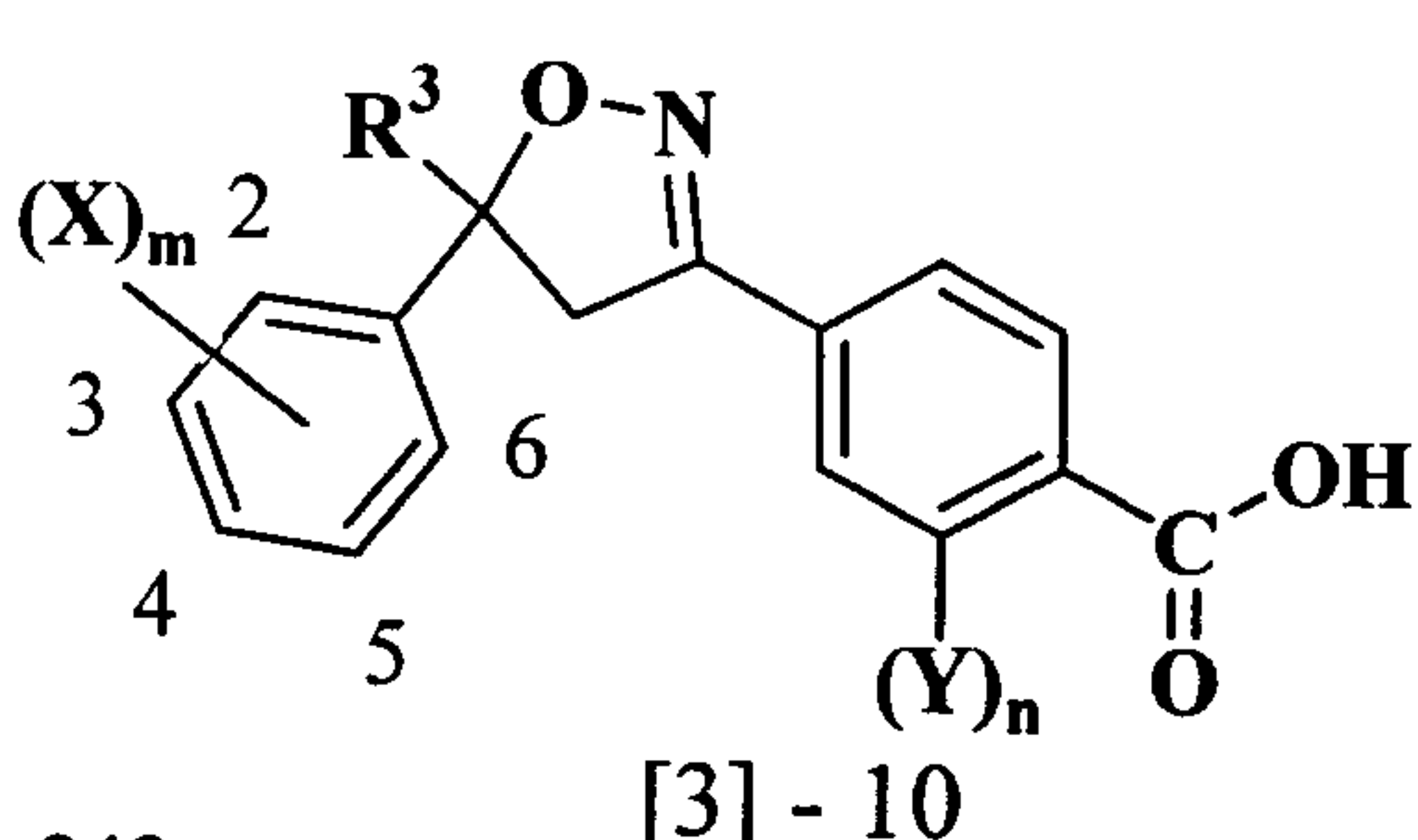
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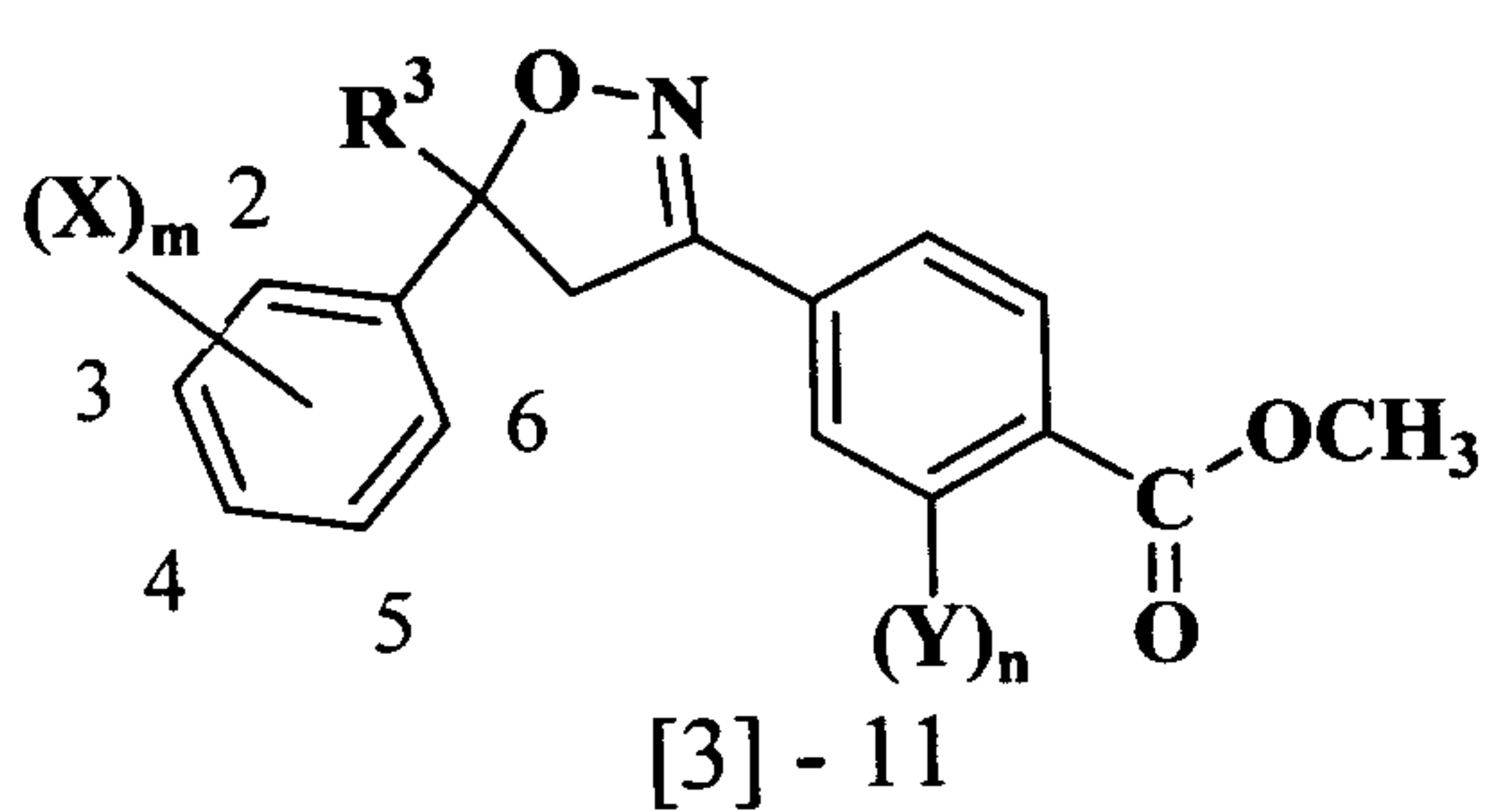
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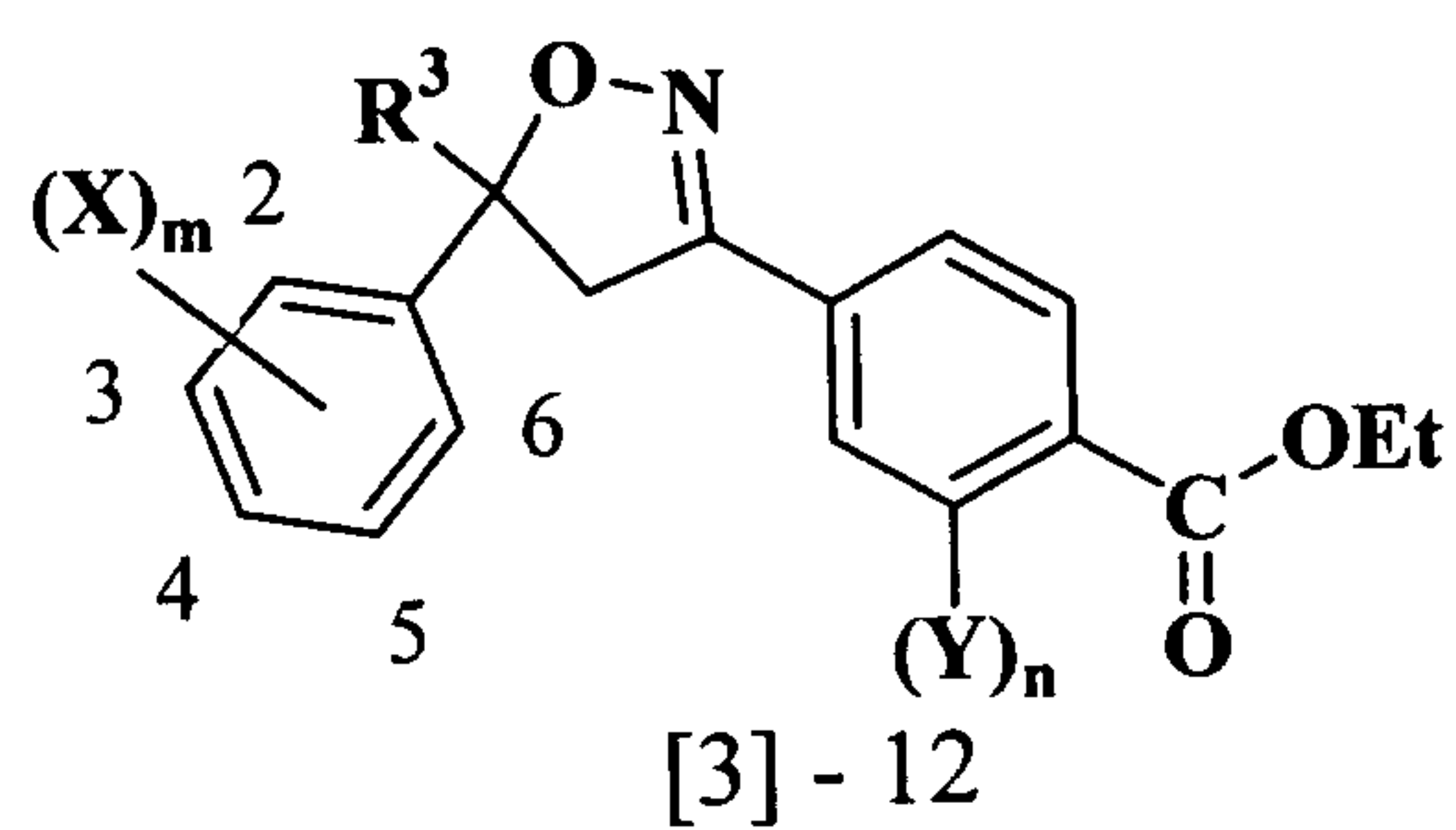
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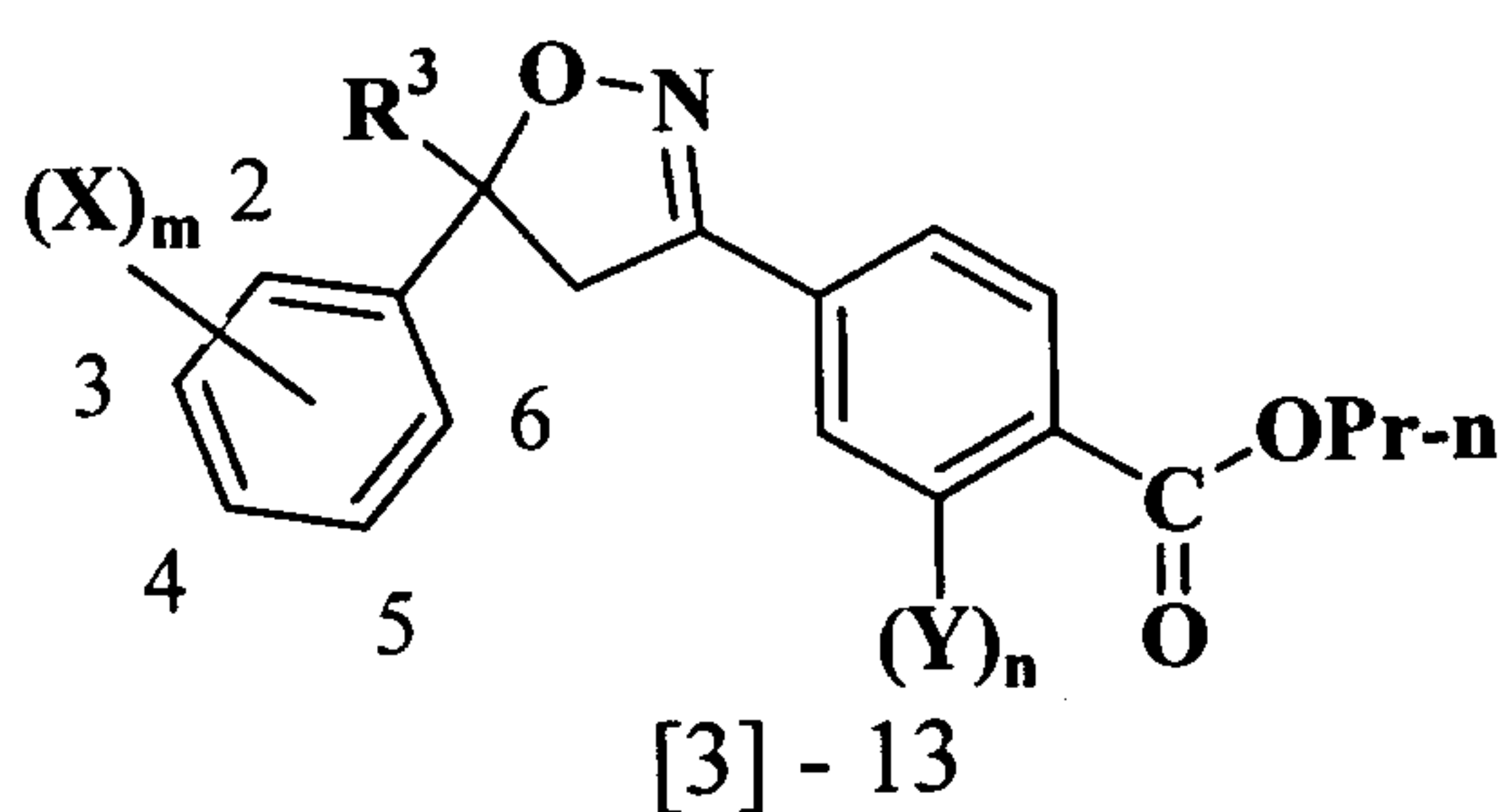
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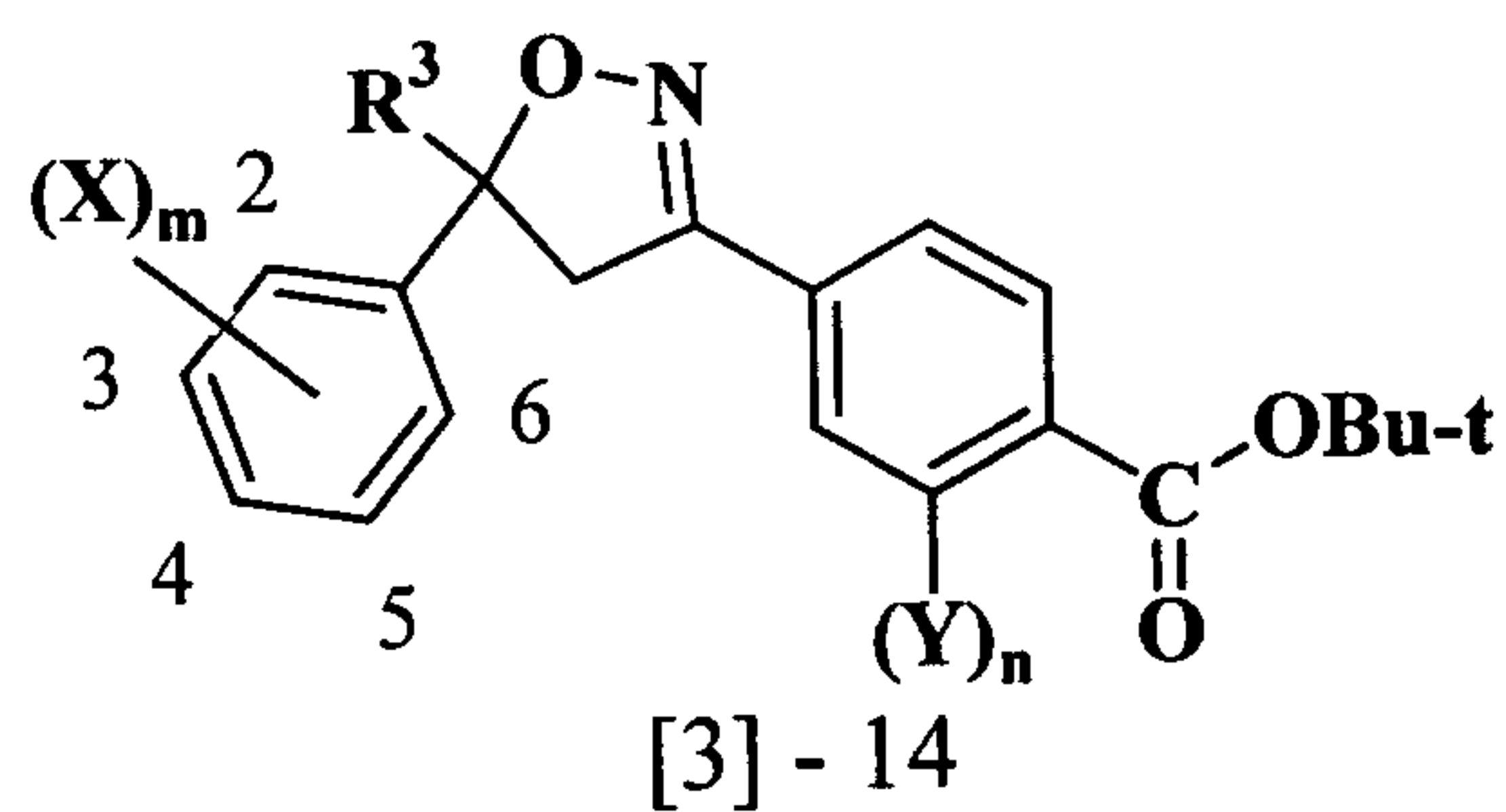
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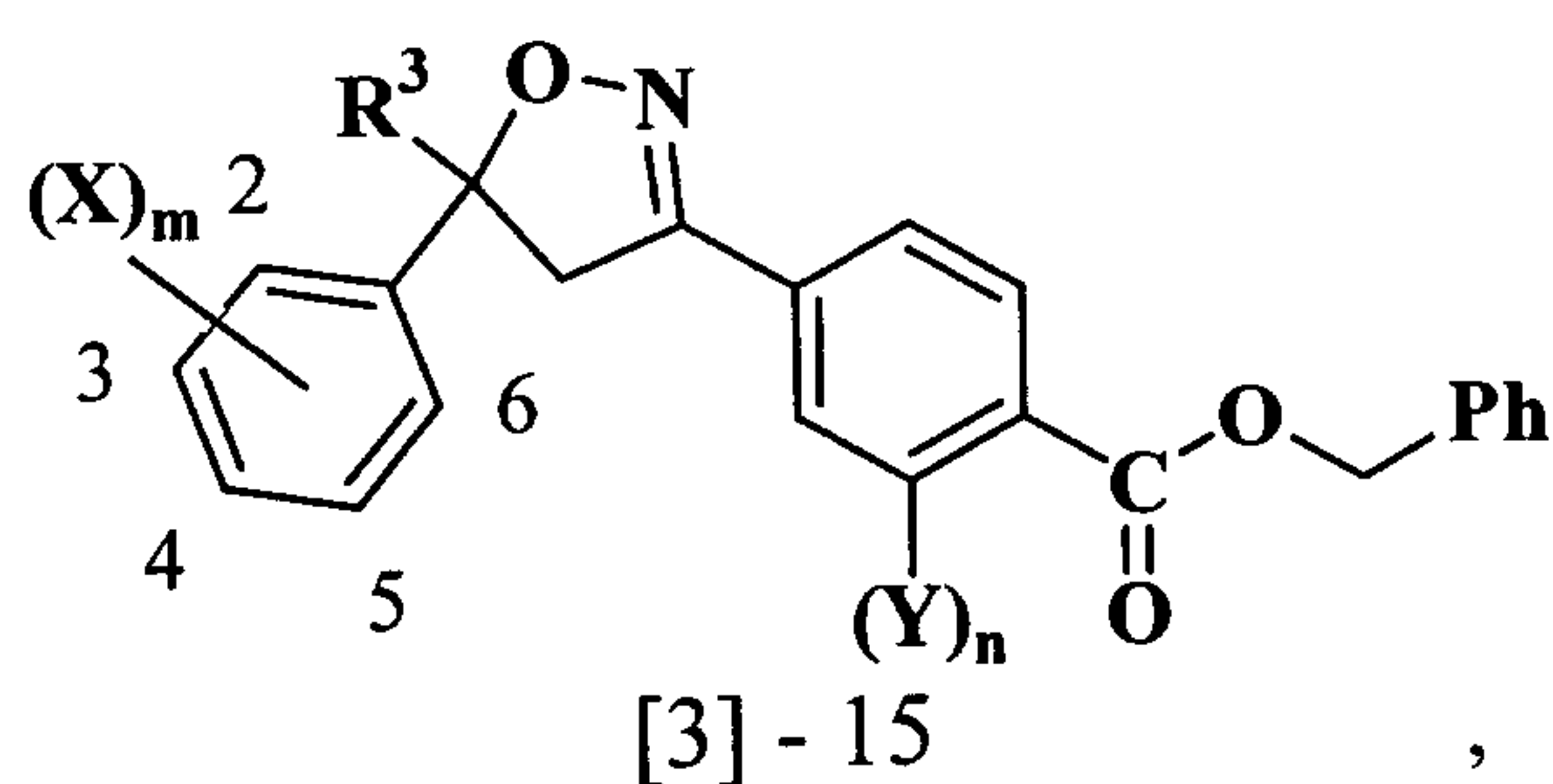
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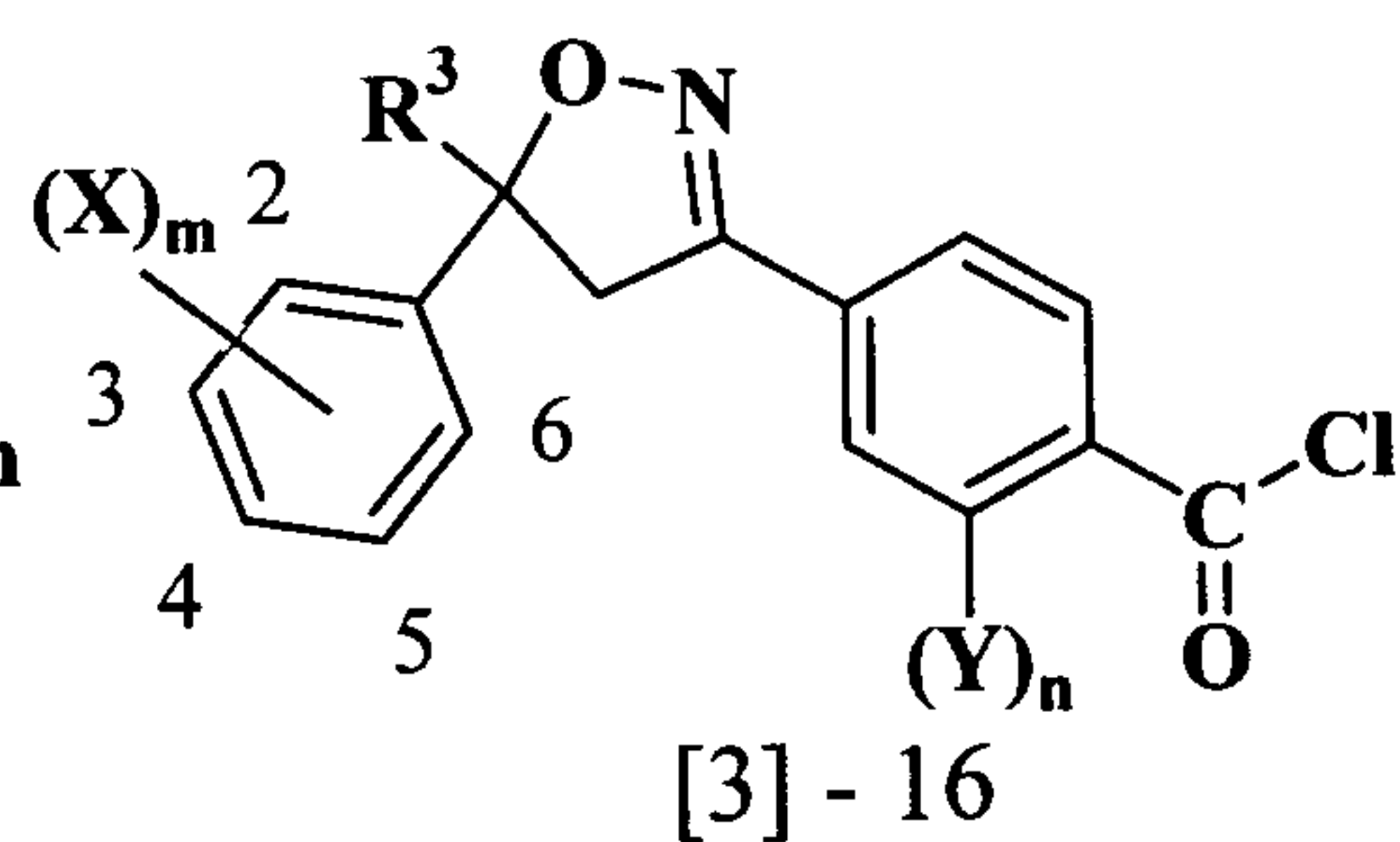
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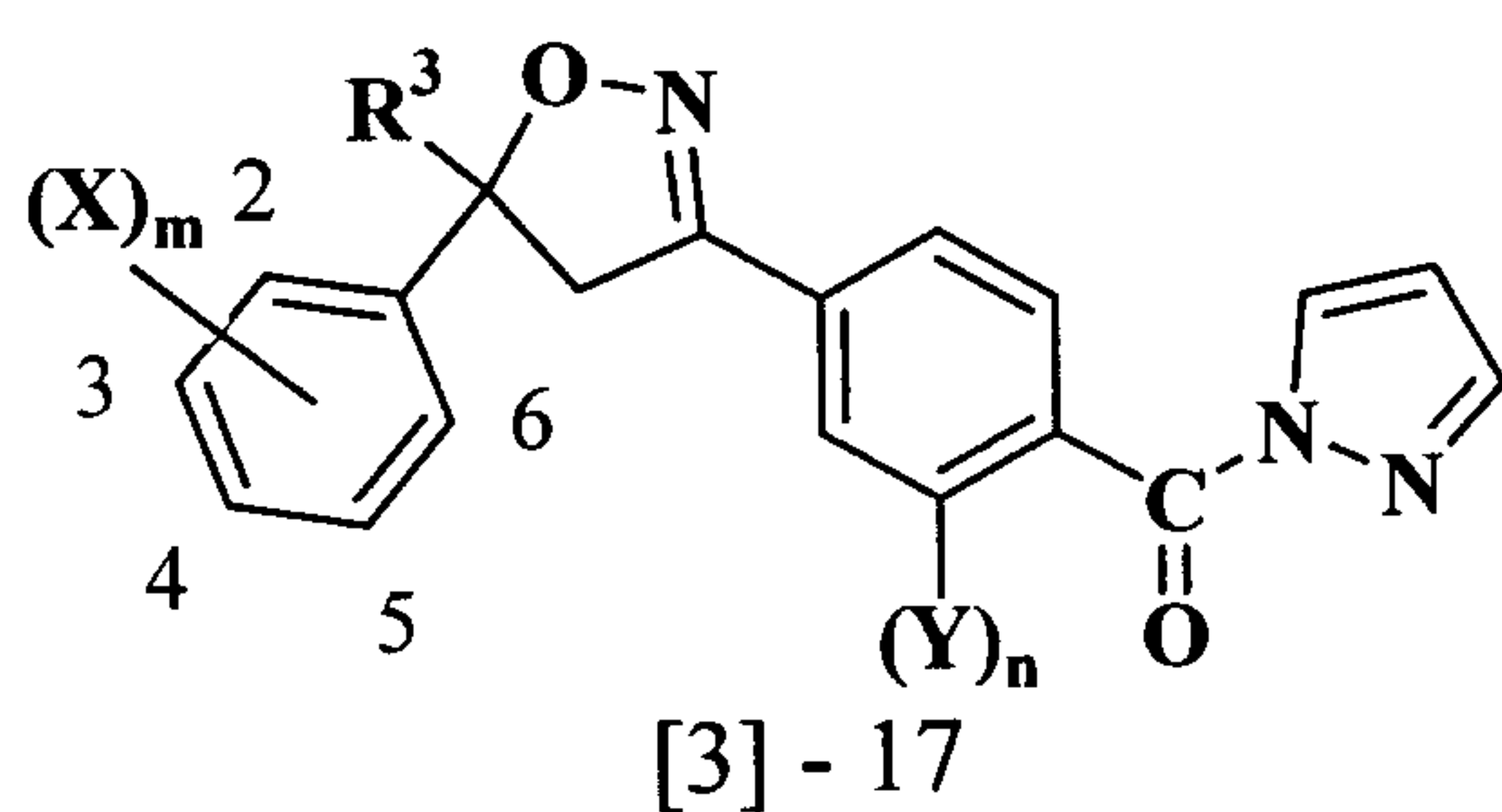
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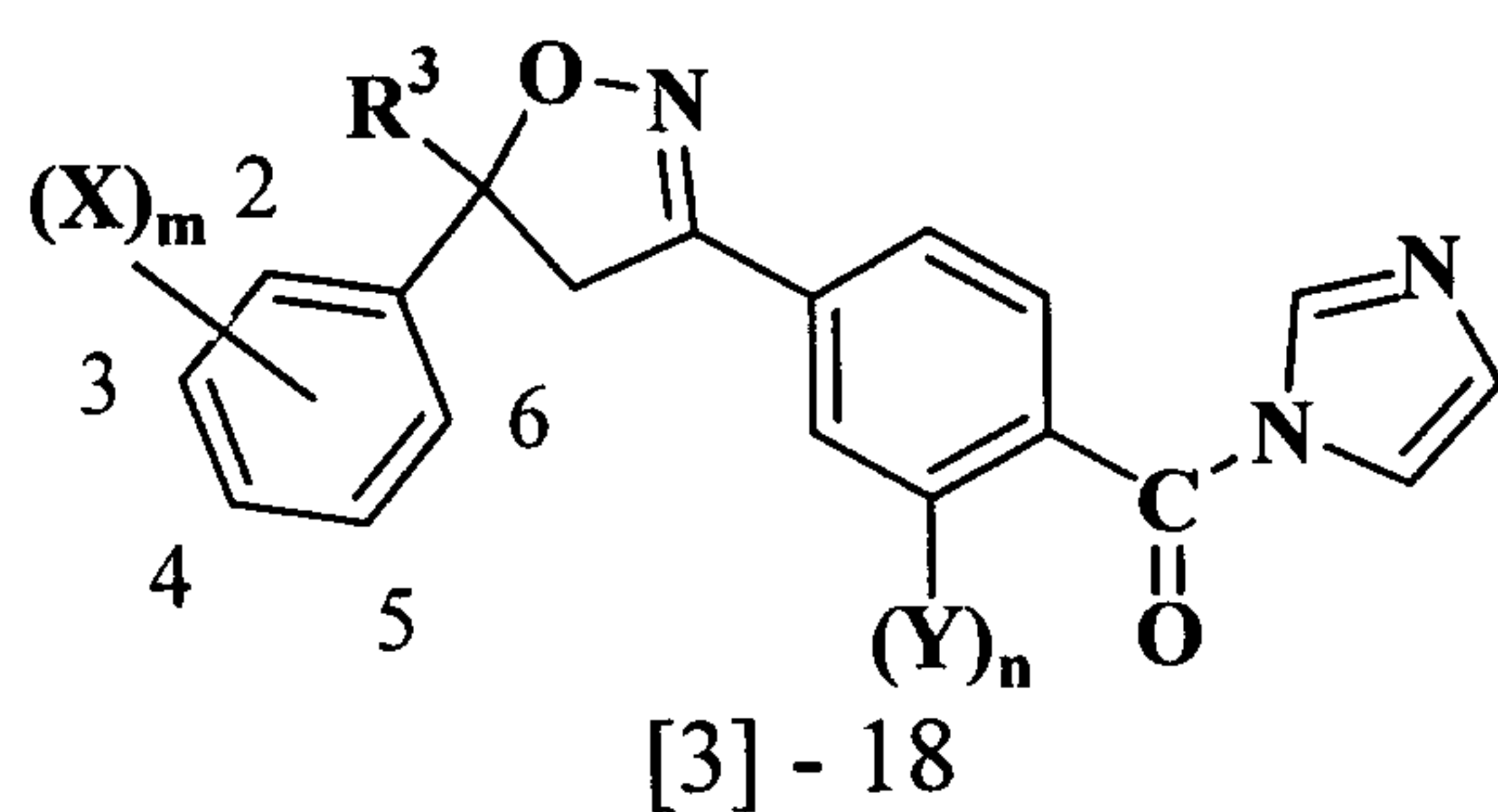
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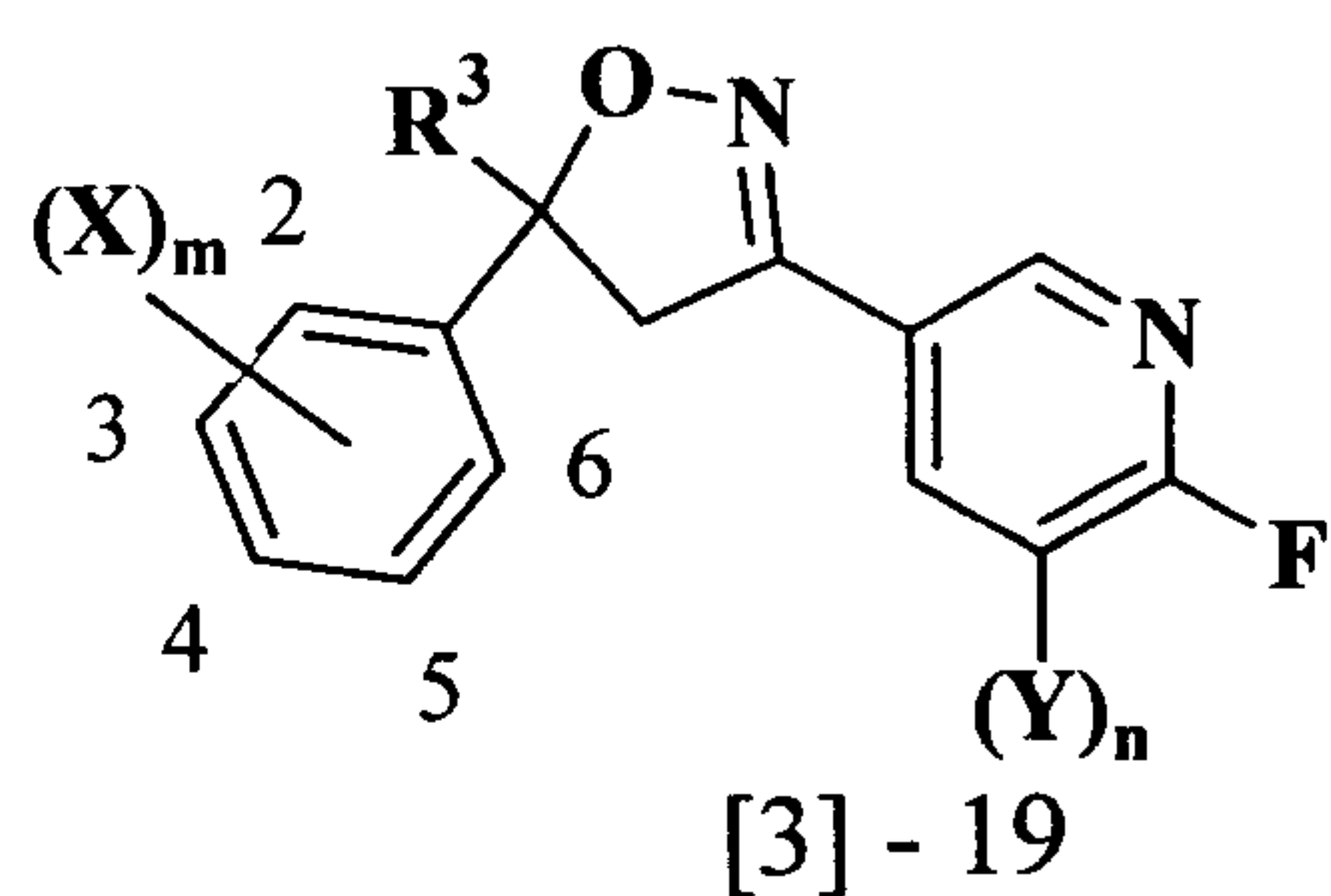
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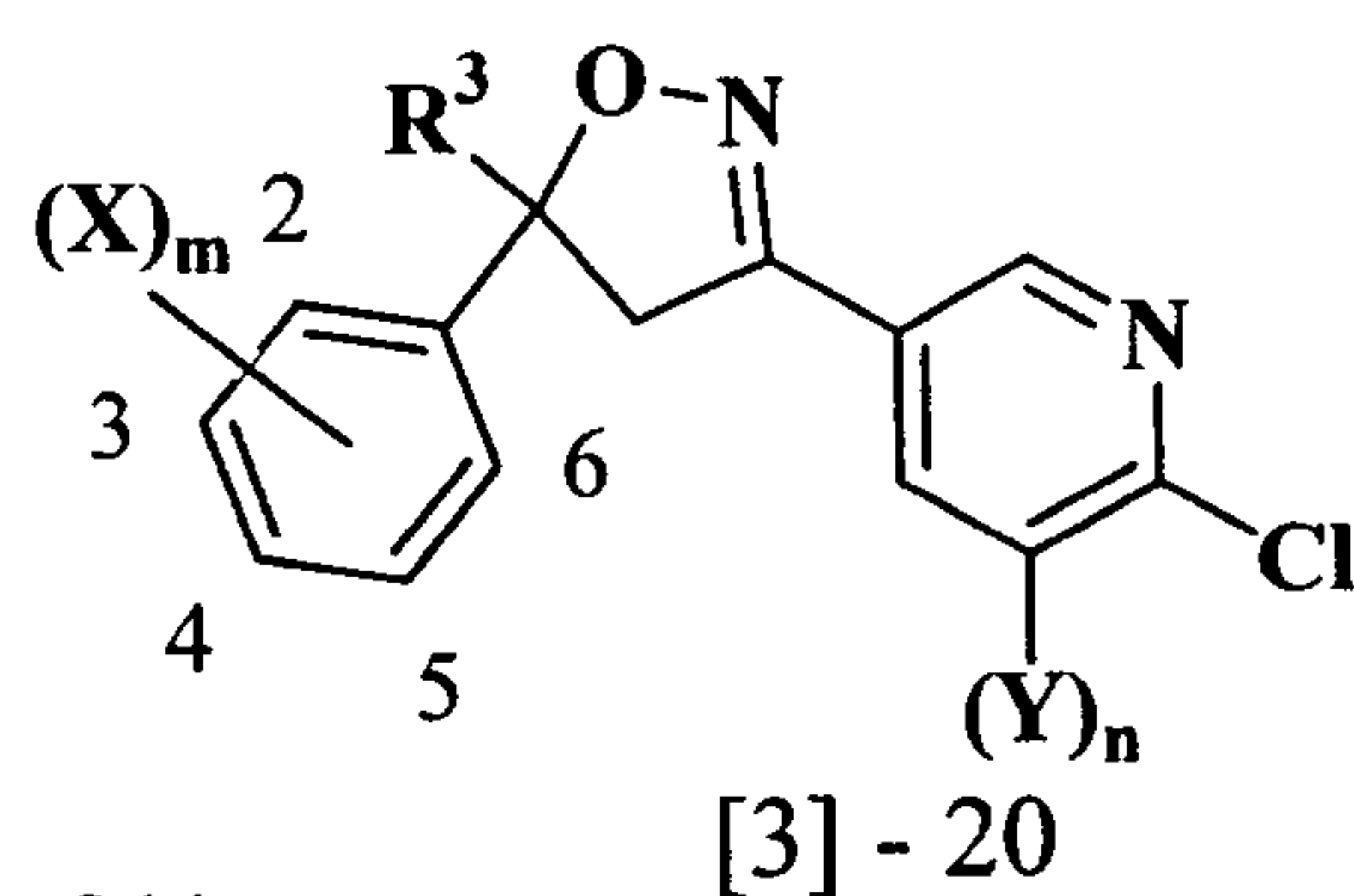
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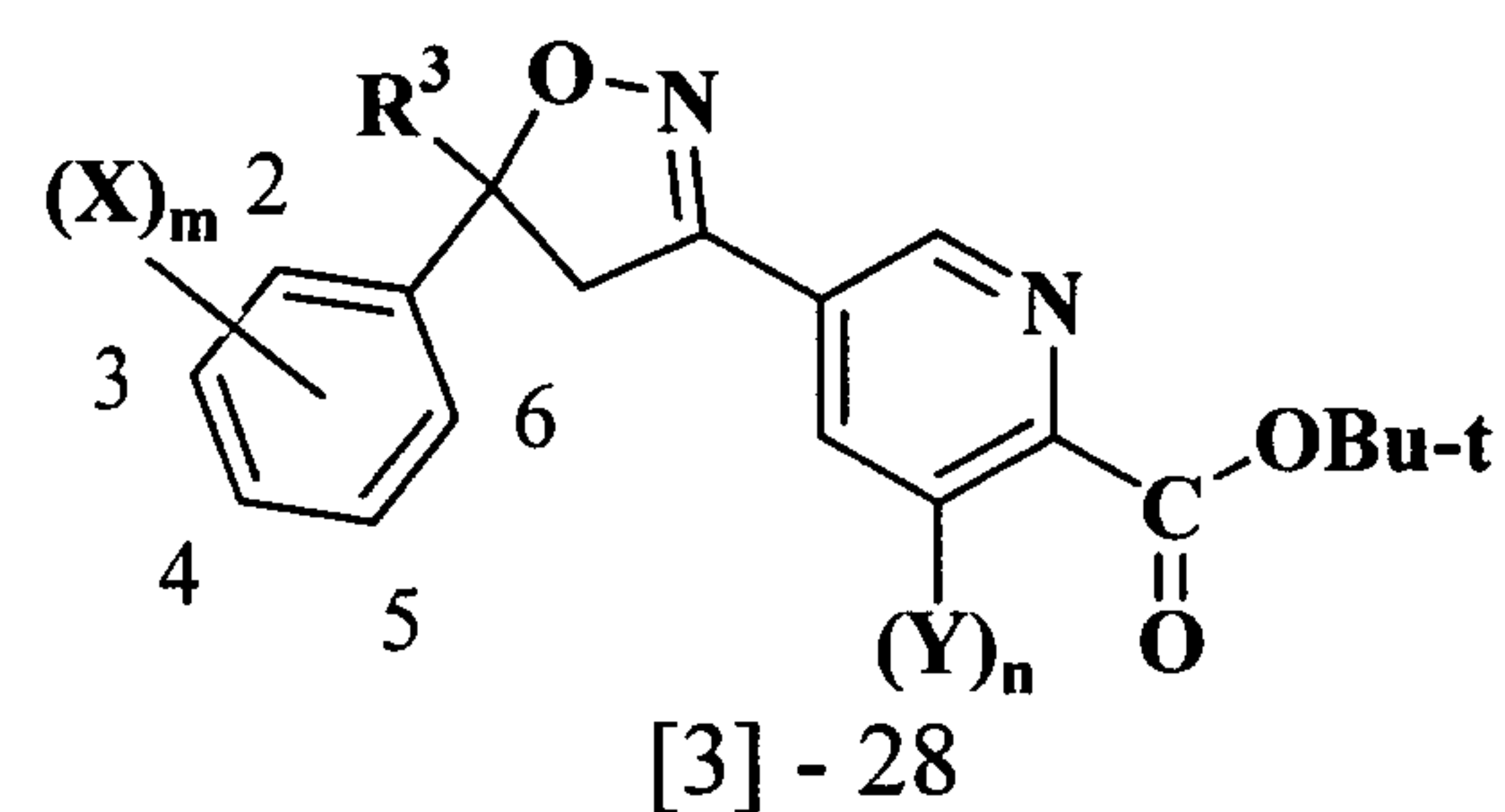
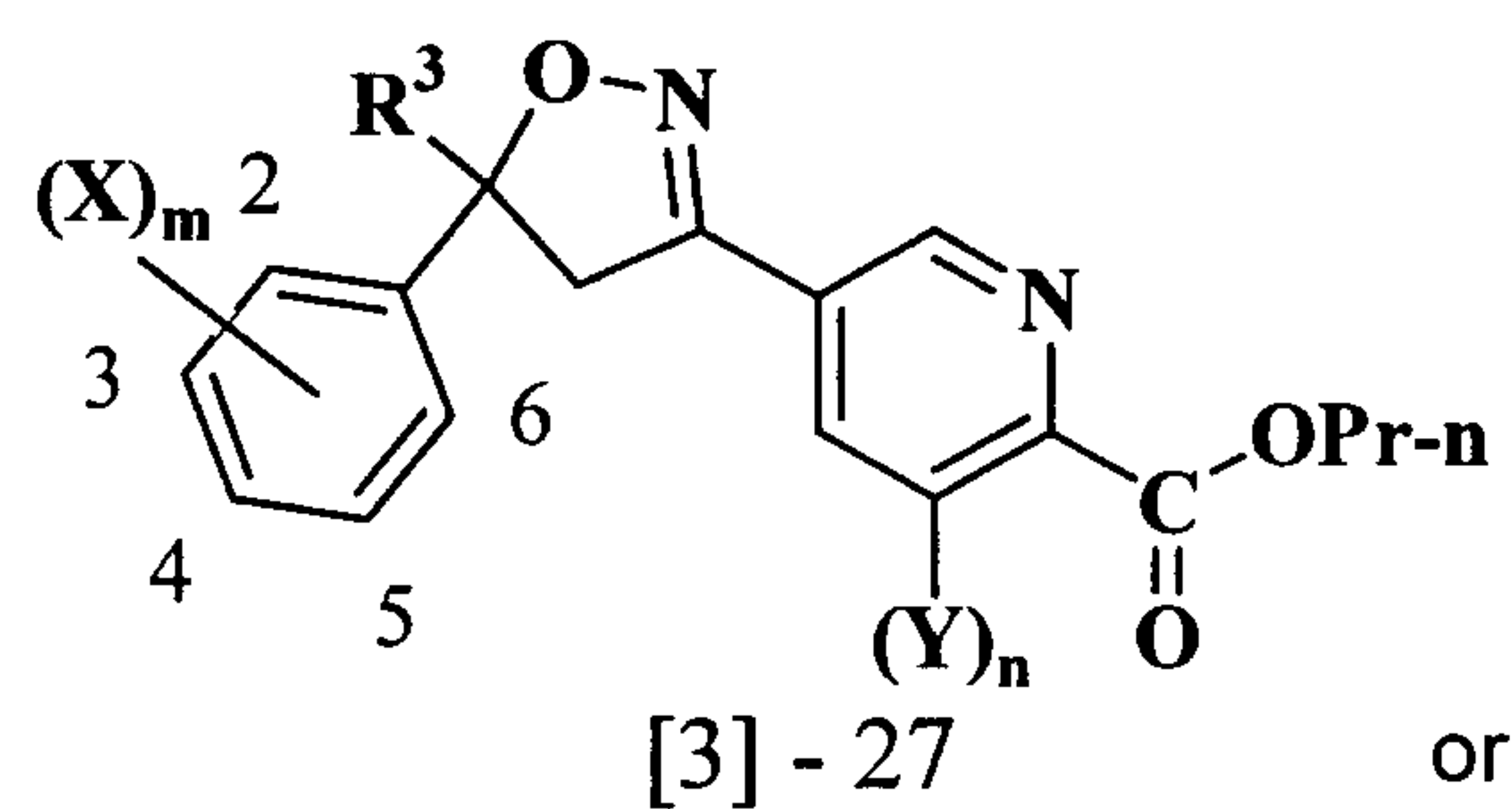
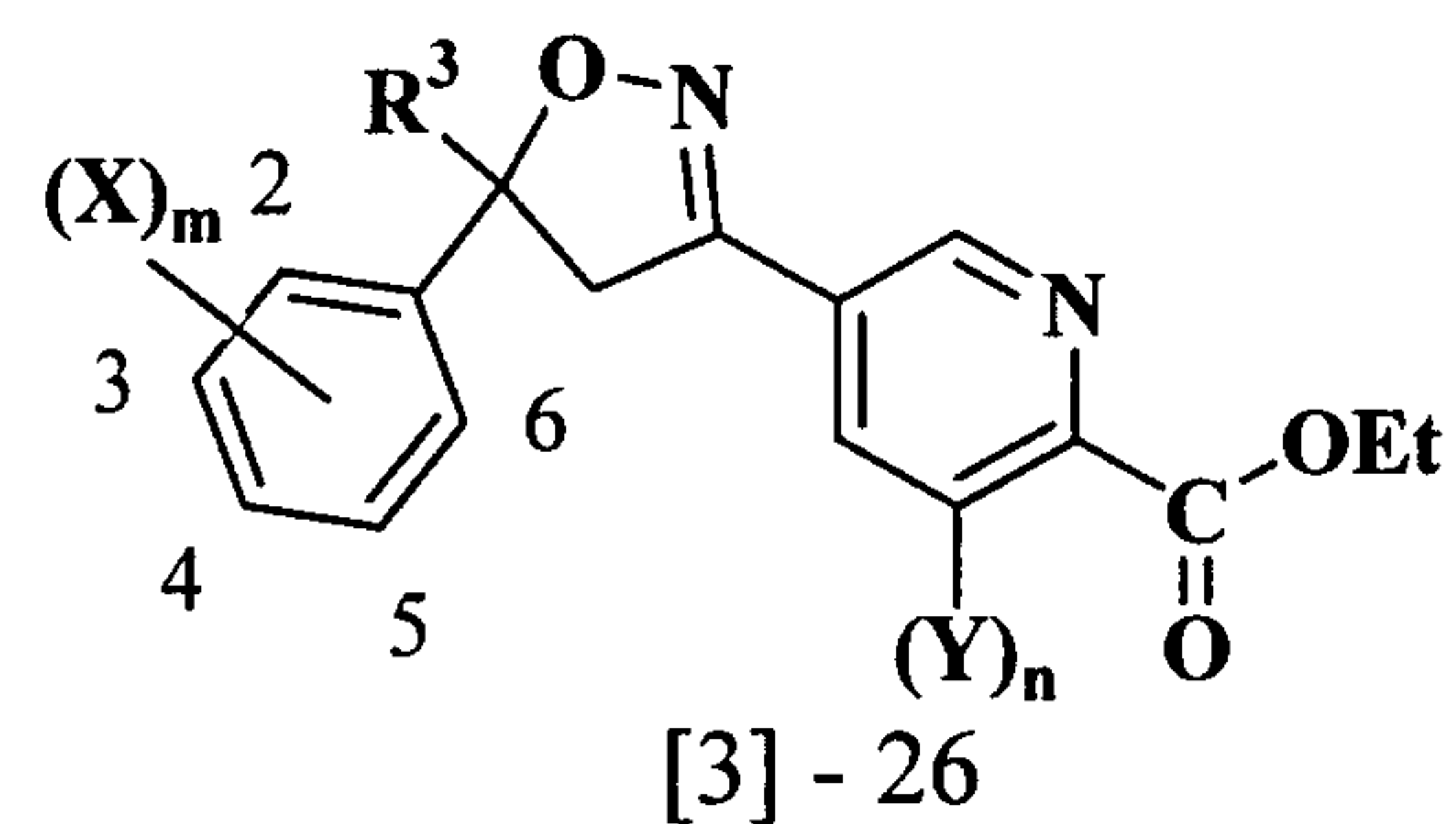
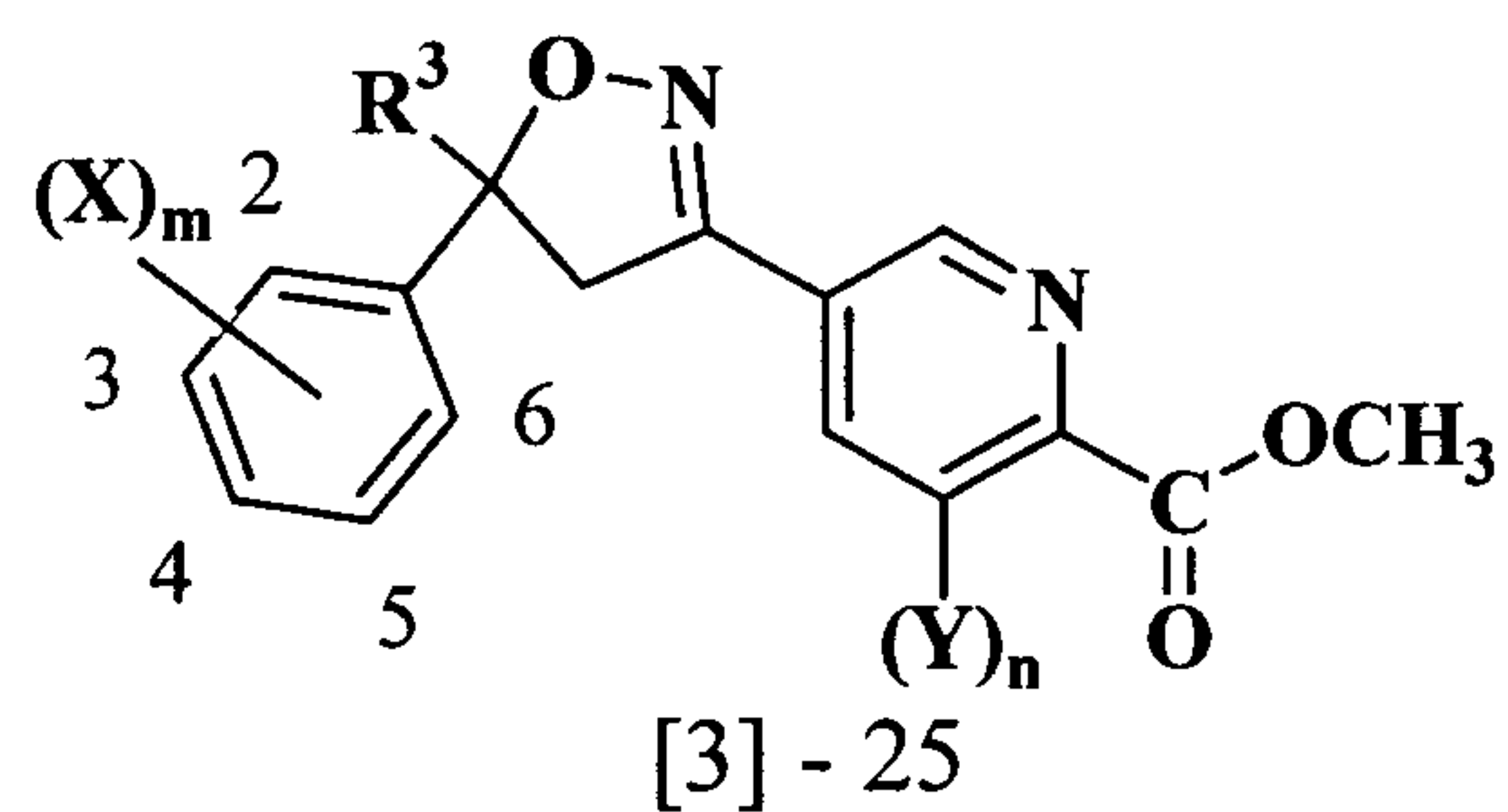
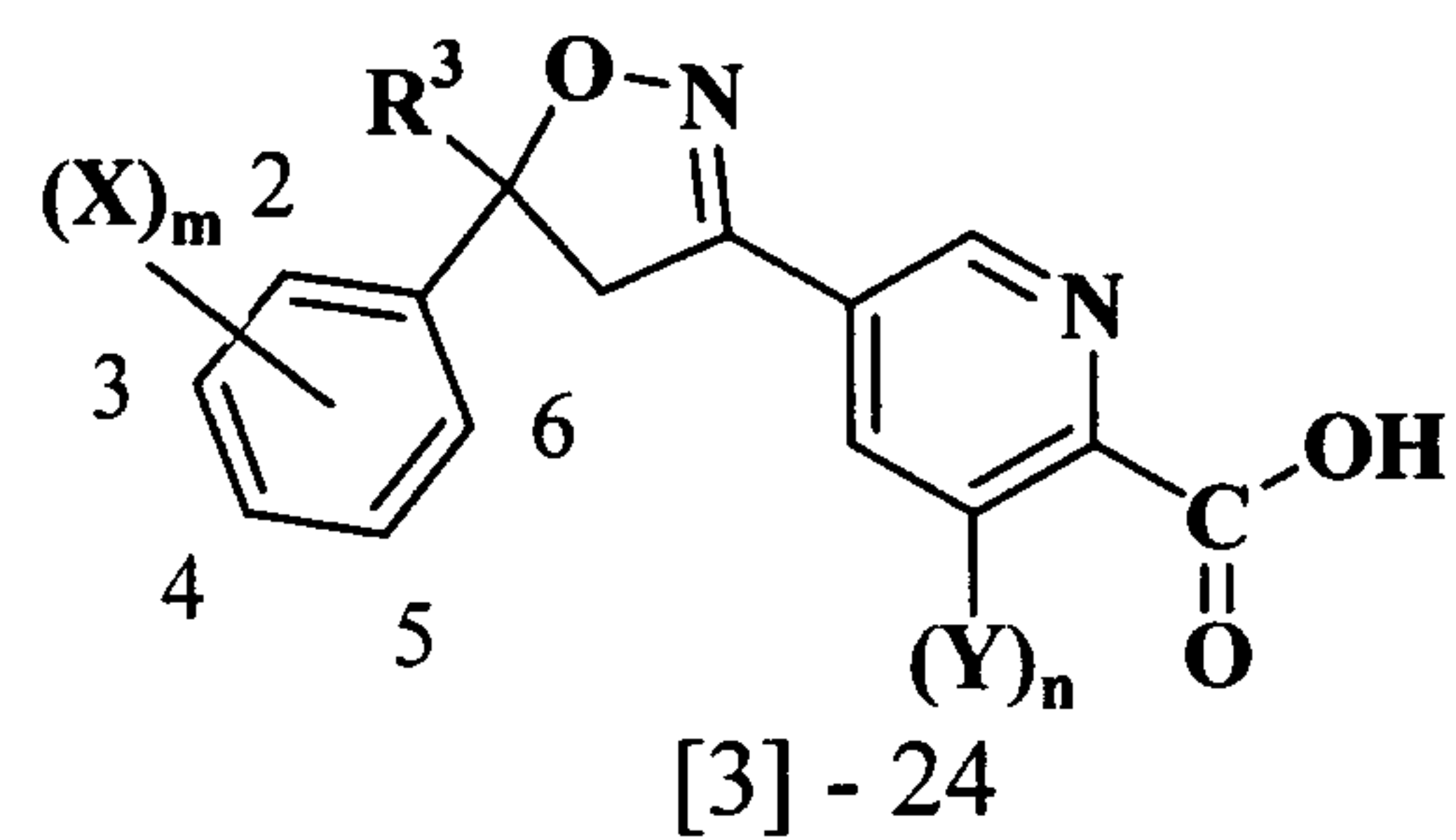
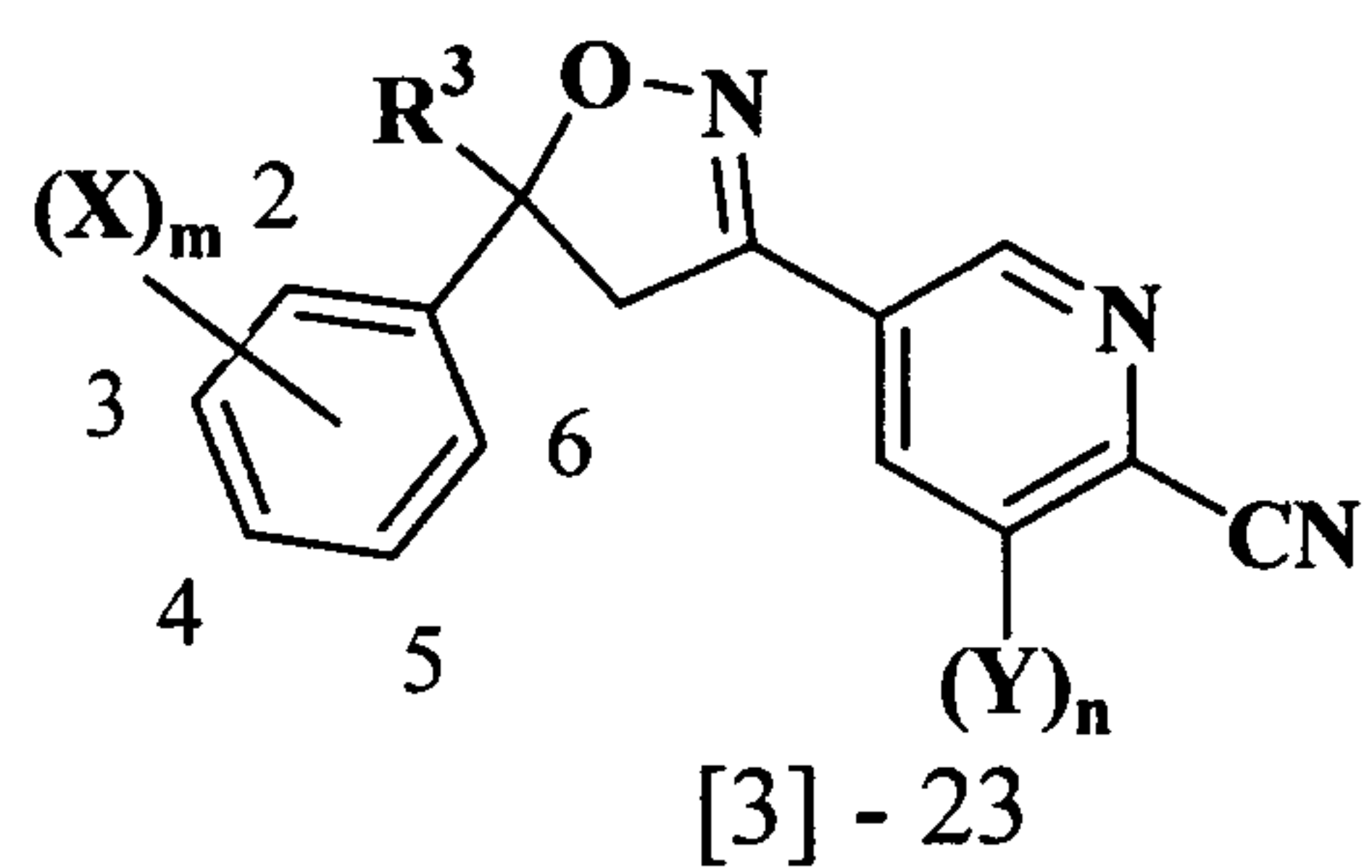
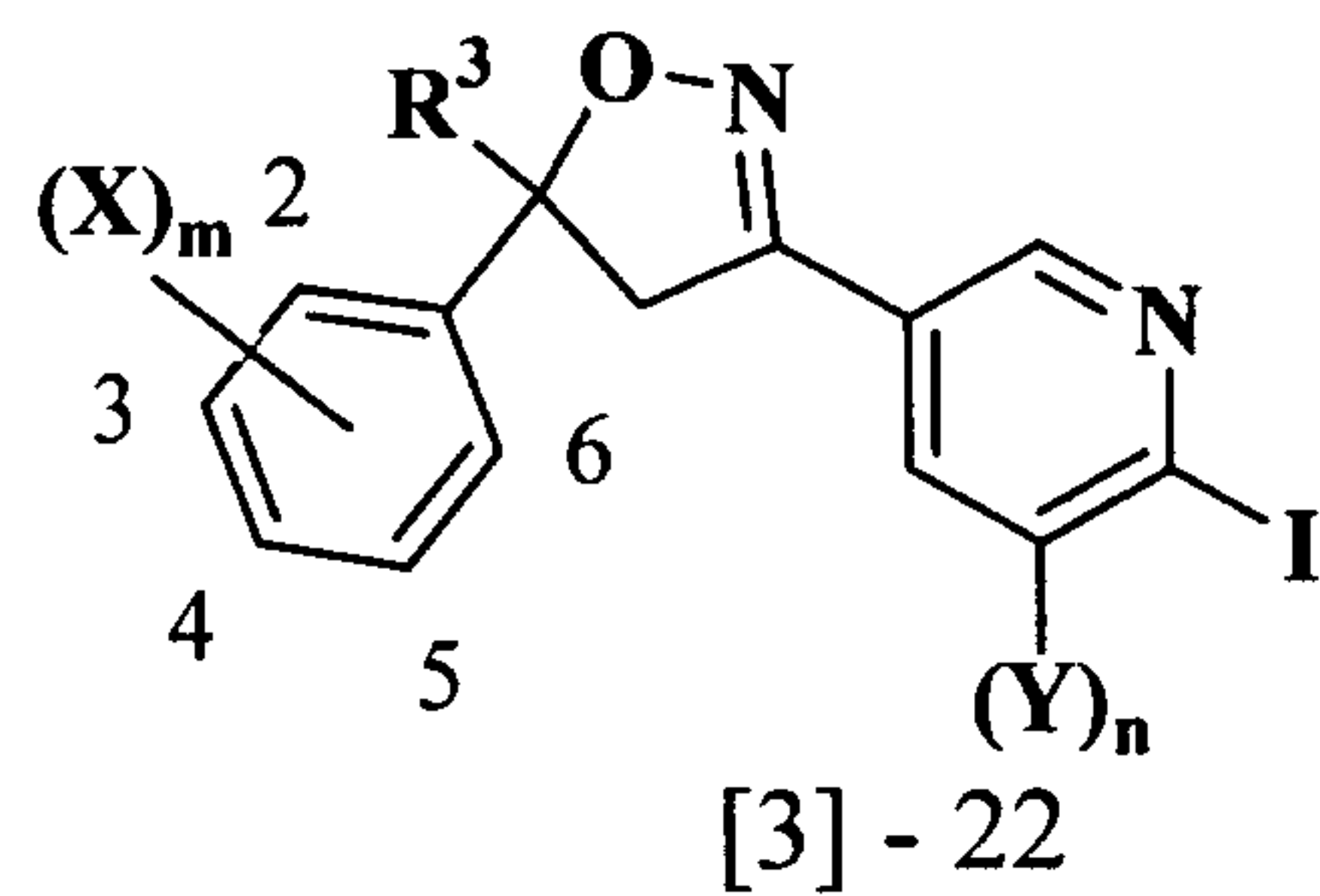
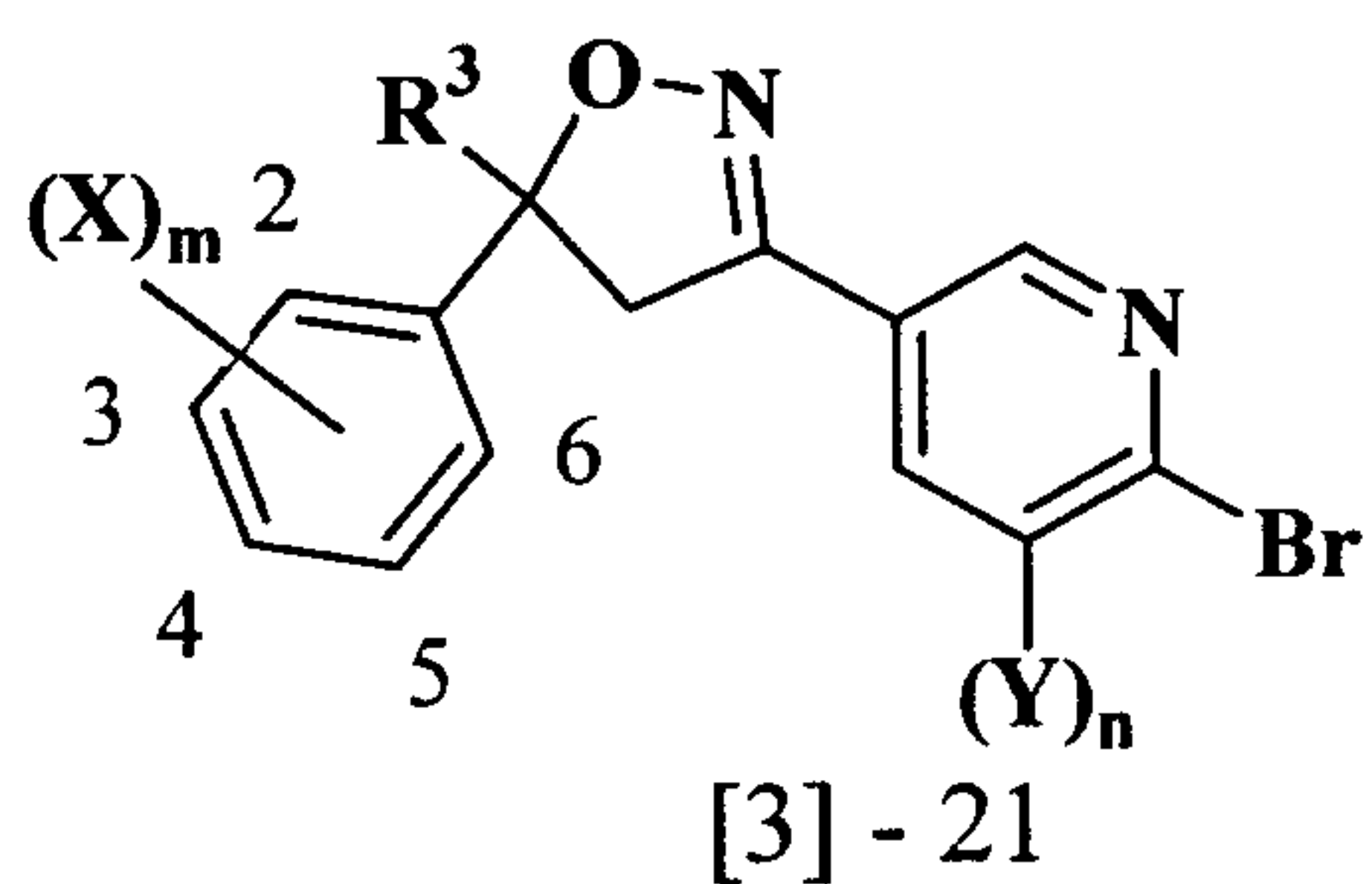
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(X) _m	R ³	(Y) _n
3-F	CF ₃	CH ₃
3-Cl	CF ₃	CH ₃
3-Br	CF ₃	CH ₃
3-I	CF ₃	CH ₃
3-CF ₃	CHF ₂	CH ₃
3-CF ₃	CF ₃	F

(X) _m	R ³	(Y) _n
3-Cl-5-Br	CF ₃	SCH ₃
3-Cl-5-Br	CF ₃	SCHF ₂
3-Cl-5-Br	CF ₃	SCF ₃
3-Cl-5-Br	CF ₃	NO ₂
3-Cl-5-Br	CF ₃	N(CH ₃) ₂
3-Cl-5-Br	CF ₃	CN

3-CF ₃	CF ₃	Cl	3-Cl-5-Br	CF ₂ Cl	F
3-CF ₃	CF ₃	Br	3-Cl-5-Br	CF ₂ Cl	Cl
3-CF ₃	CF ₃	I	3-Cl-5-Br	CF ₂ Cl	Br
3-CF ₃	CF ₃	CH ₃	3-Cl-5-Br	CF ₂ Cl	I
3-CF ₃	CF ₃	Et	3-Cl-5-Br	CF ₂ Cl	CH ₃
3-CF ₃	CF ₃	CF ₃	3-Cl-5-Br	CF ₂ Cl	Et
3-CF ₃	CF ₃	SCH ₃	3-Cl-5-Br	CF ₂ Cl	CF ₃
3-CF ₃	CF ₃	NO ₂	3-Cl-5-Br	CF ₂ Cl	SCH ₃
3-CF ₃	CF ₂ Cl	Cl	3-Cl-5-Br	CF ₂ Cl	NO ₂
3-CF ₃	CF ₂ Cl	Br	3-Cl-5-Br	CF ₂ Br	CH ₃
3-CF ₃	CF ₂ Cl	I	3-Cl-5-Br	CF ₂ CHF ₂	CH ₃
3-CF ₃	CF ₂ Cl	CH ₃	3-Cl-5-Br	CF ₂ CF ₃	CH ₃
3-CF ₃	CF ₂ Cl	Et	3,4-Br ₂	CF ₃	CH ₃
3-CF ₃	CF ₂ Cl	CF ₃	3,5-Br ₂	CHF ₂	CH ₃
3-CF ₃	CF ₂ Br	CH ₃	3,5-Br ₂	CHFCI	CH ₃
3-CF ₃	CF ₂ CHF ₂	CH ₃	3,5-Br ₂	CHCl ₂	CH ₃
3-CF ₂ CF ₃	CF ₃	F	3,5-Br ₂	CHFCBr	CH ₃
3-CF ₂ CF ₃	CF ₃	Cl	3,5-Br ₂	CF ₃	—
3-CF ₂ CF ₃	CF ₃	Br	3,5-Br ₂	CF ₃	F
3-CF ₂ CF ₃	CF ₃	I	3,5-Br ₂	CF ₃	Cl
3-CF ₂ CF ₃	CF ₃	CH ₃	3,5-Br ₂	CF ₃	Br
3-CF ₂ CF ₃	CF ₃	Et	3,5-Br ₂	CF ₃	I
3-CF ₂ CF ₃	CF ₃	CF ₃	3,5-Br ₂	CF ₃	CH ₃
3-CF ₂ CF ₃	CF ₃	SCH ₃	3,5-Br ₂	CF ₃	Et
3-CF ₂ CF ₃	CF ₃	NO ₂	3,5-Br ₂	CF ₃	CF ₃
3-CF ₂ CF ₃	CF ₂ Cl	Cl	3,5-Br ₂	CF ₃	OCH ₃
3-CF ₂ CF ₃	CF ₂ Cl	Br	3,5-Br ₂	CF ₃	OCHF ₂
3-CF ₂ CF ₃	CF ₂ Cl	I	3,5-Br ₂	CF ₃	OCF ₃
3-CF ₂ CF ₃	CF ₂ Cl	CH ₃	3,5-Br ₂	CF ₃	OSO ₂ CH ₃
3-CF ₂ CF ₃	CF ₂ Cl	Et	3,5-Br ₂	CF ₃	SCH ₃
3-CF ₂ CF ₃	CF ₂ Cl	CF ₃	3,5-Br ₂	CF ₃	SCHF ₂
3-CF ₂ CF ₃	CF ₂ Cl	CH ₃	3,5-Br ₂	CF ₃	SCF ₃
3-CF ₂ CF ₂ CF ₃	CF ₃	CH ₃	3,5-Br ₂	CF ₃	NO ₂
3-CF(CF ₃) ₂	CF ₃	CH ₃	3,5-Br ₂	CF ₃	N(CH ₃) ₂
3-CF ₂ CF ₂ CF ₂ CF ₃	CF ₃	CH ₃	3,5-Br ₂	CF ₃	CN
3-C(CF ₃) ₂ OH	CF ₃	CH ₃	3,5-Br ₂	CF ₂ Cl	F
3-C(CF ₃) ₂ OCH ₃	CF ₃	CH ₃	3,5-Br ₂	CF ₂ Cl	Cl
3-OCHF ₂	CF ₃	CH ₃	3,5-Br ₂	CF ₂ Cl	Br
3-OCF ₃	CF ₃	CH ₃	3,5-Br ₂	CF ₂ Cl	I
3-OCF ₂ Br	CF ₃	CH ₃	3,5-Br ₂	CF ₂ Cl	CH ₃
3-OCF ₂ CHF ₂	CF ₃	CH ₃	3,5-Br ₂	CF ₂ Cl	Et
3-OCF ₂ CHFCI	CF ₃	CH ₃	3,5-Br ₂	CF ₂ Cl	CF ₃
3-OCF ₂ CHFCF ₃	CF ₃	CH ₃	3,5-Br ₂	CF ₂ Cl	SCH ₃
3-OCF ₂ CHFOCF ₃	CF ₃	CH ₃	3,5-Br ₂	CF ₂ Cl	NO ₂
3-SCHF ₂	CF ₃	CH ₃	3,5-Br ₂	CF ₂ Br	CH ₃
3-SO ₂ CHF ₂	CF ₃	CH ₃	3,5-Br ₂	CF ₂ CHF ₂	CH ₃
3-SCF ₃	CF ₃	CH ₃	3,5-Br ₂		

3-S(O)CF ₃	CF ₃	CH ₃	3,5-Br ₂	CF ₂ CF ₃	CH ₃
3-SO ₂ CF ₃	CF ₃	CH ₃	3-Cl-5-CH ₃	CF ₃	CH ₃
3-SCF ₂ Cl	CF ₃	CH ₃	3-Br-5-CH ₃	CF ₃	CH ₃
3-S(O)CF ₂ Cl	CF ₃	CH ₃	3-CF ₃ -4-F	CF ₃	CH ₃
3-SO ₂ CF ₂ Cl	CF ₃	CH ₃	3-F-5-CF ₃	CHF ₂	CH ₃
3-SCF ₂ Br	CF ₃	CH ₃	3-F-5-CF ₃	CF ₃	F
3-SO ₂ CF ₂ Br	CF ₃	CH ₃	3-F-5-CF ₃	CF ₃	Cl
3-SF ₅	CHF ₂	CH ₃	3-F-5-CF ₃	CF ₃	Br
3-SF ₅	CF ₃	F	3-F-5-CF ₃	CF ₃	I
3-SF ₅	CF ₃	Cl	3-F-5-CF ₃	CF ₃	CH ₃
3-SF ₅	CF ₃	Br	3-F-5-CF ₃	CF ₃	Et
3-SF ₅	CF ₃	I	3-F-5-CF ₃	CF ₃	CF ₃
3-SF ₅	CF ₃	CH ₃	3-F-5-CF ₃	CF ₃	SCH ₃
3-SF ₅	CF ₃	Et	3-F-5-CF ₃	CF ₃	NO ₂
3-SF ₅	CF ₃	CF ₃	3-F-5-CF ₃	CF ₂ Cl	Cl
3-SF ₅	CF ₃	SCH ₃	3-F-5-CF ₃	CF ₂ Cl	Br
3-SF ₅	CF ₃	NO ₂	3-F-5-CF ₃	CF ₂ Cl	I
3-SF ₅	CF ₂ Cl	Cl	3-F-5-CF ₃	CF ₂ Cl	CH ₃
3-SF ₅	CF ₂ Cl	Br	3-F-5-CF ₃	CF ₂ Cl	Et
3-SF ₅	CF ₂ Cl	I	3-F-5-CF ₃	CF ₂ Cl	CF ₃
3-SF ₅	CF ₂ Cl	CH ₃	3-F-5-CF ₃	CF ₂ Br	CH ₃
3-SF ₅	CF ₂ Cl	Et	3-F-5-CF ₃	CF ₂ CHF ₂	CH ₃
3-SF ₅	CF ₂ Cl	CF ₃	3-CF ₃ -4-Cl	CF ₃	CH ₃
3-SF ₅	CF ₂ Br	CH ₃	3-Cl-5-CF ₃	CHF ₂	CH ₃
3-SF ₅	CF ₂ CHF ₂	CH ₃	3-Cl-5-CF ₃	CHCl ₂	CH ₃
3,5-F ₂	CF ₃	CH ₃	3-Cl-5-CF ₃	CF ₃	—
3-Cl-4-F	CF ₃	CH ₃	3-Cl-5-CF ₃	CF ₃	F
3-F-5-Cl	CHF ₂	CH ₃	3-Cl-5-CF ₃	CF ₃	Cl
3-F-5-Cl	CF ₃	F	3-Cl-5-CF ₃	CF ₃	Br
3-F-5-Cl	CF ₃	Cl	3-Cl-5-CF ₃	CF ₃	I
3-F-5-Cl	CF ₃	Br	3-Cl-5-CF ₃	CF ₃	CH ₃
3-F-5-Cl	CF ₃	I	3-Cl-5-CF ₃	CF ₃	Et
3-F-5-Cl	CF ₃	CH ₃	3-Cl-5-CF ₃	CF ₃	CF ₃
3-F-5-Cl	CF ₃	Et	3-Cl-5-CF ₃	CF ₃	OCH ₃
3-F-5-Cl	CF ₃	CF ₃	3-Cl-5-CF ₃	CF ₃	OCHF ₂
3-F-5-Cl	CF ₃	SCH ₃	3-Cl-5-CF ₃	CF ₃	OCF ₃
3-F-5-Cl	CF ₃	NO ₂	3-Cl-5-CF ₃	CF ₃	OSO ₂ CH ₃
3-F-5-Cl	CF ₂ Cl	Cl	3-Cl-5-CF ₃	CF ₃	SCH ₃
3-F-5-Cl	CF ₂ Cl	Br	3-Cl-5-CF ₃	CF ₃	SCHF ₂
3-F-5-Cl	CF ₂ Cl	I	3-Cl-5-CF ₃	CF ₃	SCF ₃
3-F-5-Cl	CF ₂ Cl	CH ₃	3-Cl-5-CF ₃	CF ₃	NO ₂
3-F-5-Cl	CF ₂ Cl	Et	3-Cl-5-CF ₃	CF ₃	N(CH ₃) ₂
3-F-5-Cl	CF ₂ Cl	CF ₃	3-Cl-5-CF ₃	CF ₃	CN
3-F-5-Cl	CF ₂ Br	CH ₃	3-Cl-5-CF ₃	CF ₂ Cl	Cl
3-F-5-Cl	CF ₂ CHF ₂	CH ₃	3-Cl-5-CF ₃	CF ₂ Cl	Br
3,4-Cl ₂	CF ₃	CH ₃	3-Cl-5-CF ₃	CF ₂ Cl	I

3,5-Cl ₂	CHF ₂	Cl	3-Cl-5-CF ₃	CF ₂ Cl	CH ₃
3,5-Cl ₂	CHF ₂	Br	3-Cl-5-CF ₃	CF ₂ Cl	Et
3,5-Cl ₂	CHF ₂	I	3-Cl-5-CF ₃	CF ₂ Cl	CF ₃
3,5-Cl ₂	CHF ₂	CH ₃	3-Cl-5-CF ₃	CF ₂ Br	CH ₃
3,5-Cl ₂	CHF ₂	Et	3-Cl-5-CF ₃	CF ₂ CHF ₂	CH ₃
3,5-Cl ₂	CHF ₂	CF ₃	3-Cl-5-CF ₃	CF ₂ CF ₃	CH ₃
3,5-Cl ₂	CHFCI	Cl	3-Br-5-CF ₃	CHF ₂	CH ₃
3,5-Cl ₂	CHFCI	Br	3-Br-5-CF ₃	CHCl ₂	CH ₃
3,5-Cl ₂	CHFCI	I	3-Br-5-CF ₃	CF ₃	—
3,5-Cl ₂	CHFCI	CH ₃	3-Br-5-CF ₃	CF ₃	F
3,5-Cl ₂	CHFCI	Et	3-Br-5-CF ₃	CF ₃	Cl
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3,5-Cl ₂	CHFBr	Cl	3-Br-5-CF ₃	CF ₃	I
3,5-Cl ₂	CHFBr	Br	3-Br-5-CF ₃	CF ₃	CH ₃
3,5-Cl ₂	CHFBr	I	3-Br-5-CF ₃	CF ₃	Et
3,5-Cl ₂	CHFBr	CH ₃	3-Br-5-CF ₃	CF ₃	CF ₃
3,5-Cl ₂	CHFBr	Et	3-Br-5-CF ₃	CF ₃	OCH ₃
3,5-Cl ₂	CHFBr	CF ₃	3-Br-5-CF ₃	CF ₃	OCHF ₂
3,5-Cl ₂	CHCl ₂	CH ₃	3-Br-5-CF ₃	CF ₃	OCF ₃
3,5-Cl ₂	CF ₃	—	3-Br-5-CF ₃	CF ₃	OSO ₂ CH ₃
3,5-Cl ₂	CF ₃	F	3-Br-5-CF ₃	CF ₃	SCH ₃
3,5-Cl ₂	CF ₃	Cl	3-Br-5-CF ₃	CF ₃	SCHF ₂
3,5-Cl ₂	CF ₃	Br	3-Br-5-CF ₃	CF ₃	SCF ₃
3,5-Cl ₂	CF ₃	I	3-Br-5-CF ₃	CF ₃	NO ₂
3,5-Cl ₂	CF ₃	CH ₃	3-Br-5-CF ₃	CF ₃	N(CH ₃) ₂
3,5-Cl ₂	CF ₃	Et	3-Br-5-CF ₃	CF ₃	CN
3,5-Cl ₂	CF ₃	i-Pr	3-Br-5-CF ₃	CF ₂ Cl	Cl
3,5-Cl ₂	CF ₃	CF ₃	3-Br-5-CF ₃	CF ₂ Cl	Br
3,5-Cl ₂	CF ₃	CF ₂ CF ₃	3-Br-5-CF ₃	CF ₂ Cl	I
3,5-Cl ₂	CF ₃	CH ₂ OCH ₃	3-Br-5-CF ₃	CF ₂ Cl	CH ₃
3,5-Cl ₂	CF ₃	CH ₂ OCH ₂ CF ₃	3-Br-5-CF ₃	CF ₂ Cl	Et
3,5-Cl ₂	CF ₃	CH ₂ SCH ₃	3-Br-5-CF ₃	CF ₂ Cl	CF ₃
3,5-Cl ₂	CF ₃	CH ₂ S(O)CH ₃	3-Br-5-CF ₃	CF ₂ Br	CH ₃
3,5-Cl ₂	CF ₃	CH ₂ SO ₂ CH ₃	3-Br-5-CF ₃	CF ₂ CHF ₂	CH ₃
3,5-Cl ₂	CF ₃	CH ₂ SCF ₃	3-Br-5-CF ₃	CF ₂ CF ₃	CH ₃
3,5-Cl ₂	CF ₃	CH ₂ S(O)CF ₃	3-CH ₃ -5-CF ₃	CF ₃	CH ₃
3,5-Cl ₂	CF ₃	CH ₂ SO ₂ CF ₃	3,5-(CF ₃) ₂	CHF ₂	CH ₃
3,5-Cl ₂	CF ₃	OCH ₃	3,5-(CF ₃) ₂	CHFCI	CH ₃
3,5-Cl ₂	CF ₃	OEt	3,5-(CF ₃) ₂	CHCl ₂	CH ₃
3,5-Cl ₂	CF ₃	OPr-i	3,5-(CF ₃) ₂	CHFBr	CH ₃
3,5-Cl ₂	CF ₃	OCHF ₂	3,5-(CF ₃) ₂	CF ₃	—
3,5-Cl ₂	CF ₃	OCF ₃	3,5-(CF ₃) ₂	CF ₃	F
3,5-Cl ₂	CF ₃	OCF ₂ Br	3,5-(CF ₃) ₂	CF ₃	Cl
3,5-Cl ₂	CF ₃	OCF ₂ CHF ₂	3,5-(CF ₃) ₂	CF ₃	Br
3,5-Cl ₂	CF ₃	OCF ₂ CHFCF ₃	3,5-(CF ₃) ₂	CF ₃	I
3,5-Cl ₂	CF ₃	OSO ₂ CH ₃	3,5-(CF ₃) ₂	CF ₃	CH ₃

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, veuillez contacter le Bureau Canadien des Brevets.

JUMBO APPLICATIONS / PATENTS

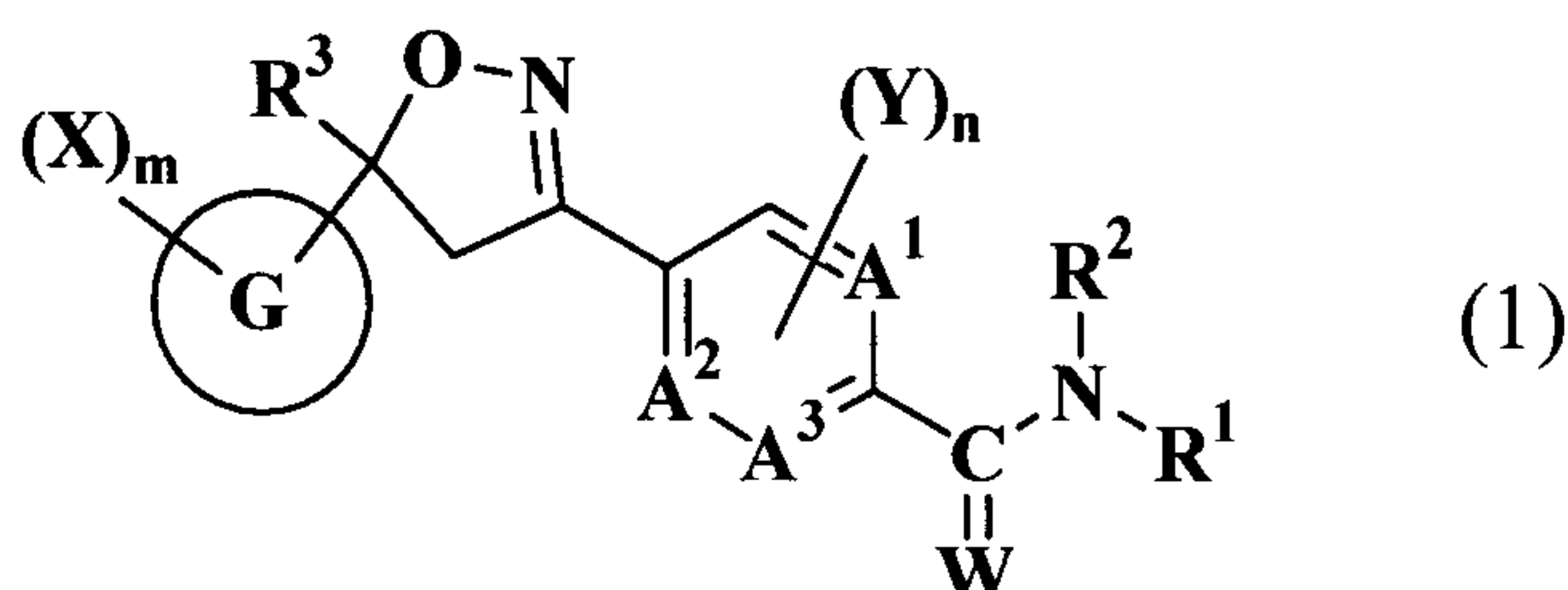
**THIS SECTION OF THE APPLICATION / PATENT CONTAINS MORE
THAN ONE VOLUME.**

THIS IS VOLUME __1__ OF __2__

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

CLAIMS

1. An isoxazoline-substituted benzamide compound of formula (1) or a salt thereof:



wherein A^1 , A^2 and A^3 independently of one another are carbon atom or nitrogen atom, G is benzene ring, nitrogen-containing 6-membered aromatic heterocyclic ring, furan ring, thiophene ring, or 5-membered aromatic heterocyclic ring containing two or more hetero atoms selected from oxygen atom, sulfur atom and nitrogen atom,

W is oxygen atom or sulfur atom,

X is halogen atom, cyano, nitro, azido, -SCN, -SF₅, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, C₃-C₈cycloalkyl, C₃-C₈cycloalkyl arbitrarily substituted with R⁴, C₂-C₆alkenyl, C₂-C₆alkenyl arbitrarily substituted with R⁴, C₃-C₈cycloalkenyl, C₃-C₈halocycloalkenyl, C₂-C₆alkynyl, C₂-C₆alkynyl arbitrarily substituted with R⁴, -OH, -OR⁵, -OSO₂R⁵, -SH, -S(O)_rR⁵, -N=CHOR⁸, -N=C(R⁹)OR⁸, -CHO, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -CH=NOR¹¹, -C(R⁹)=NOR¹¹, -S(O)₂OR⁹, -S(O)₂NHR¹⁰, -S(O)₂N(R¹⁰)R⁹, -Si(R¹³)(R¹⁴)R¹², phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49, when m is 2, 3, 4 or 5, each X may be identical with or different from each other,

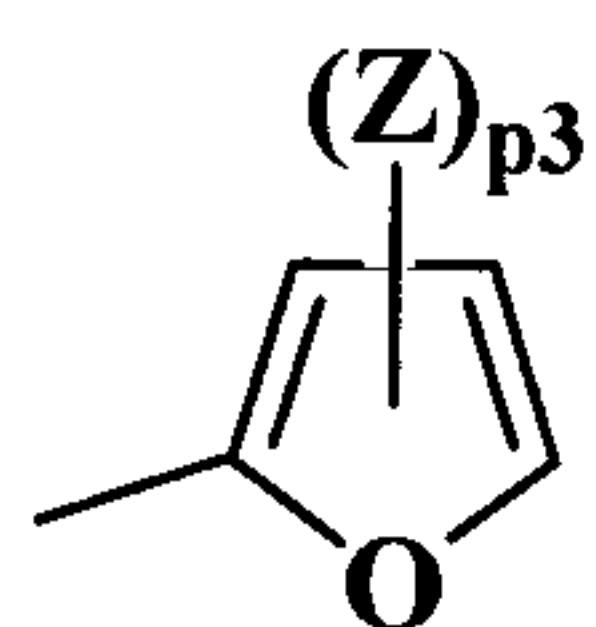
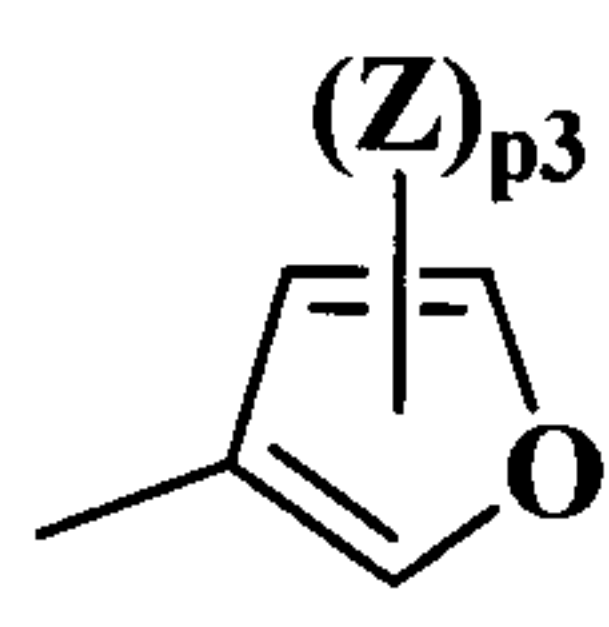
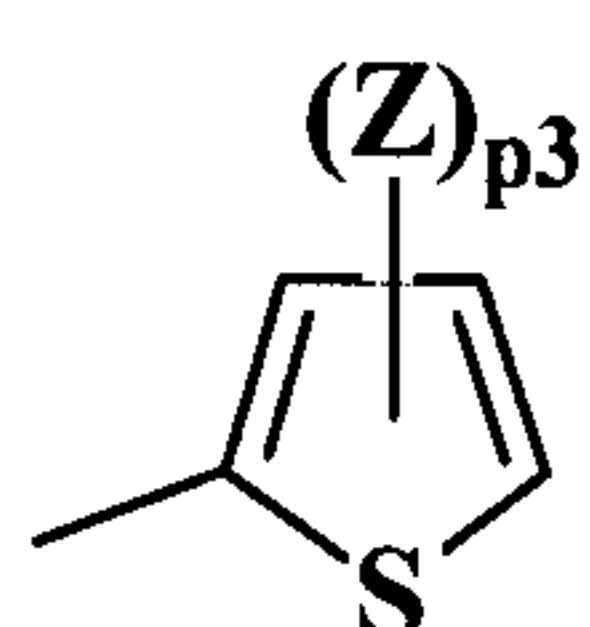
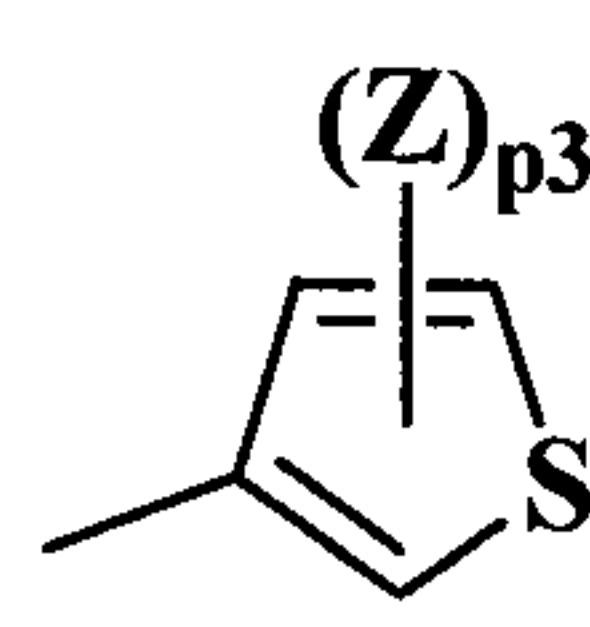
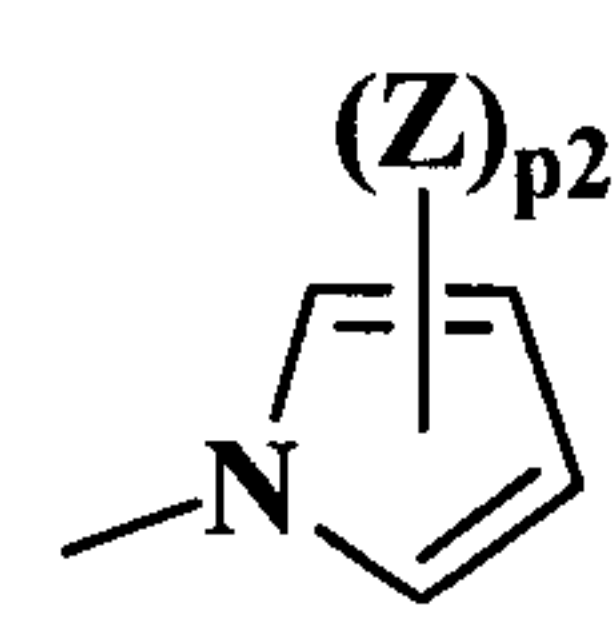
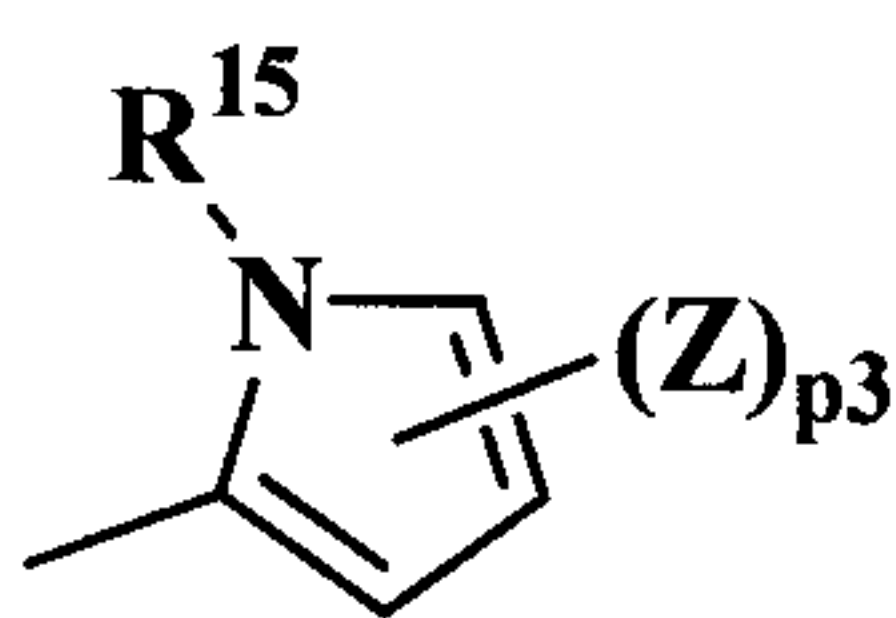
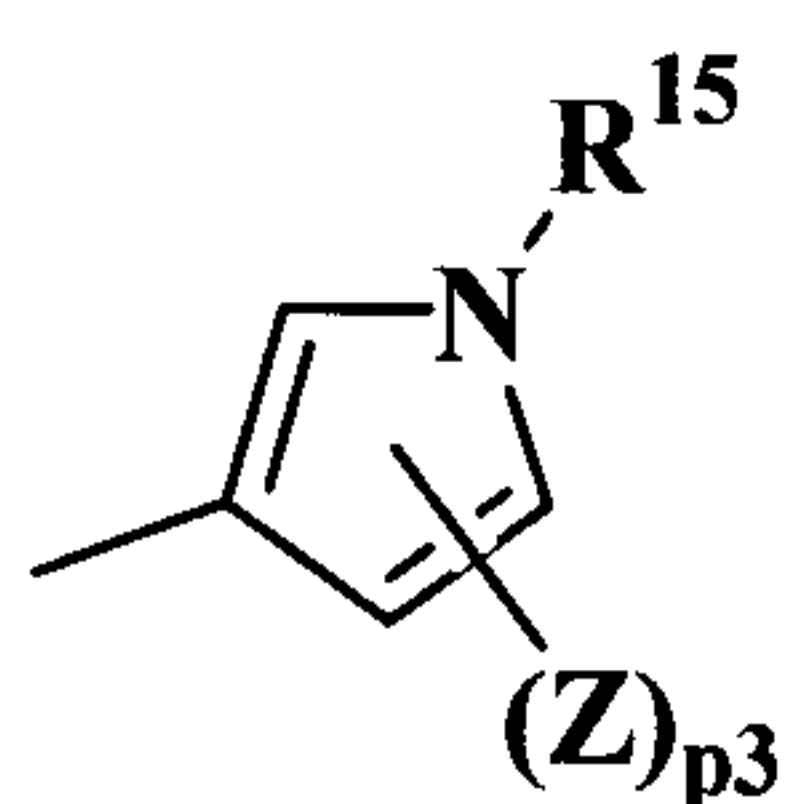
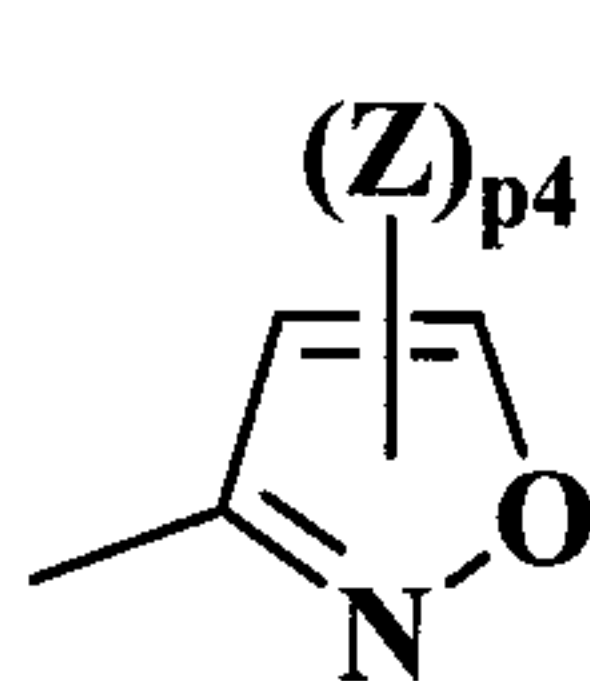
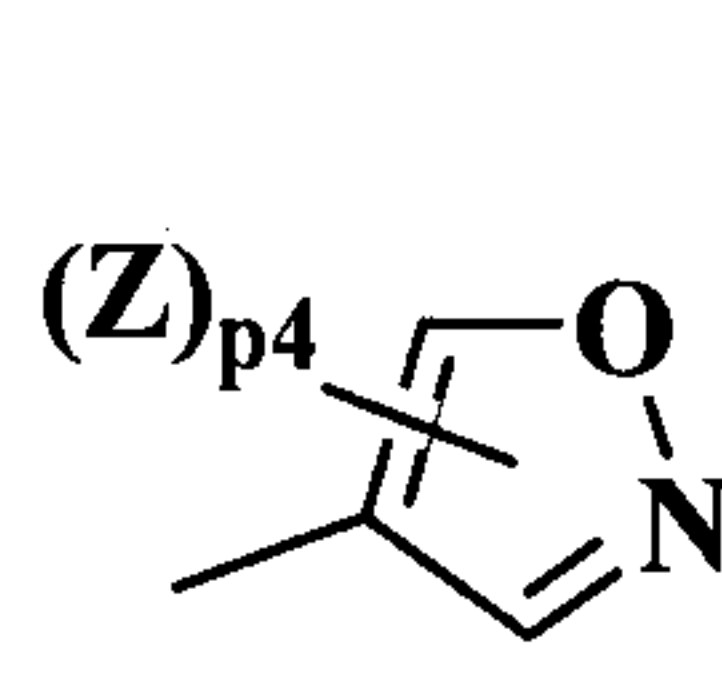
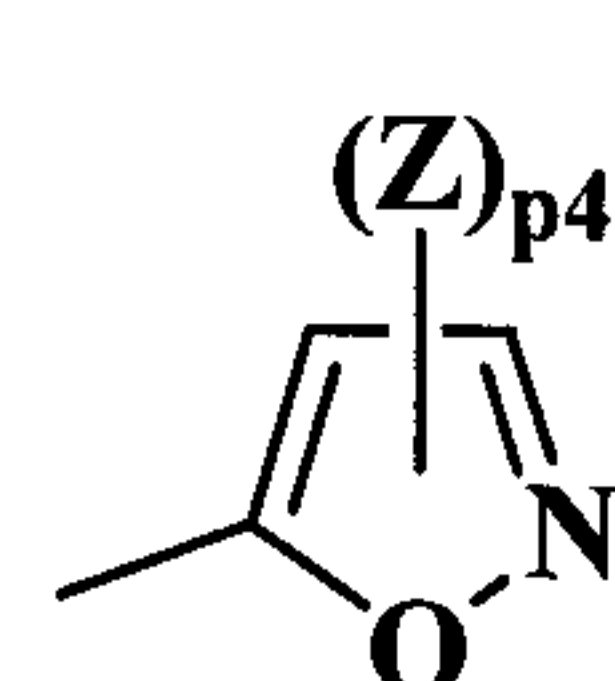
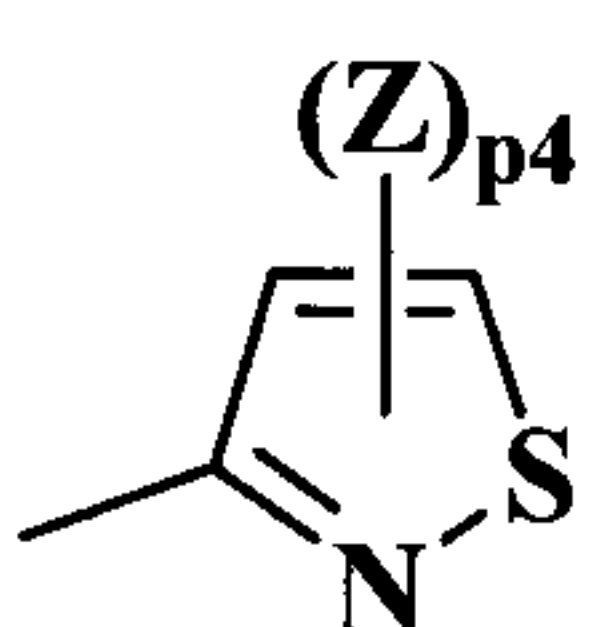
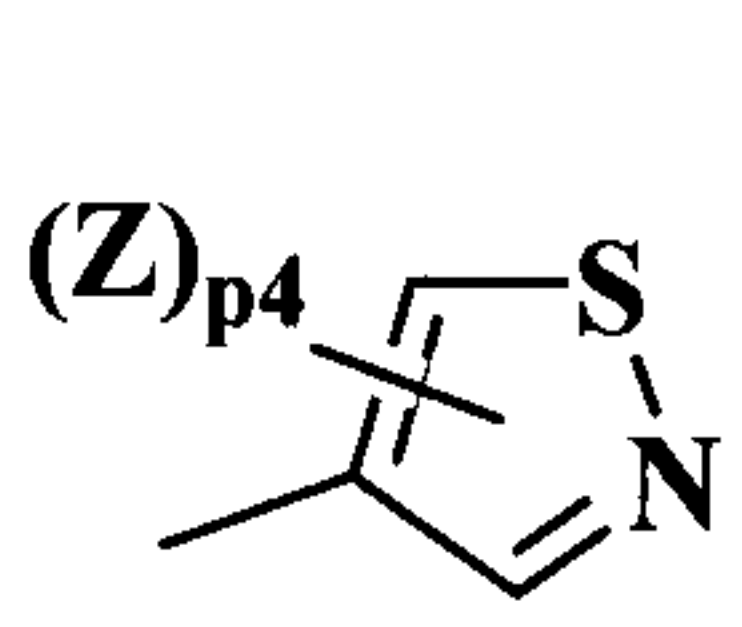
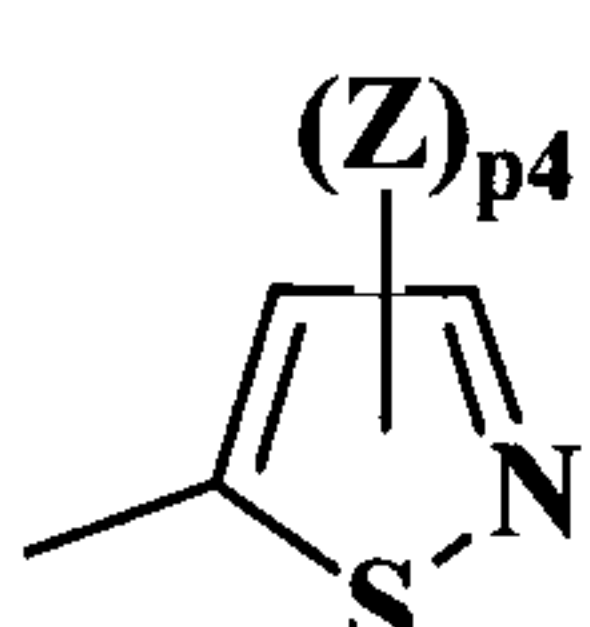
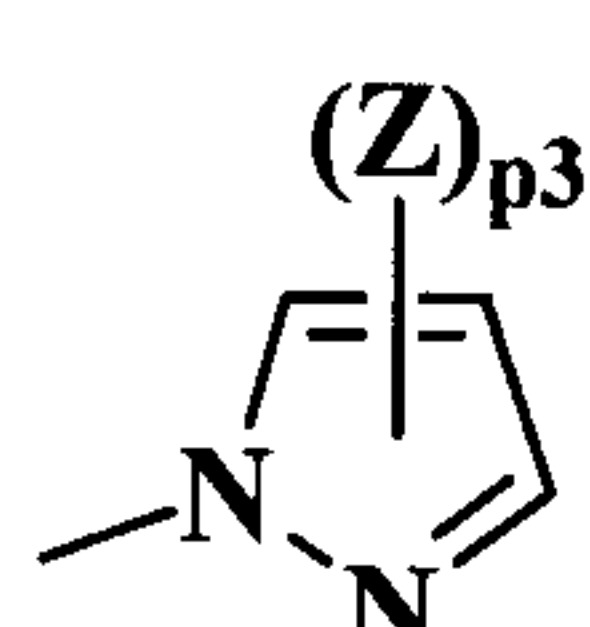
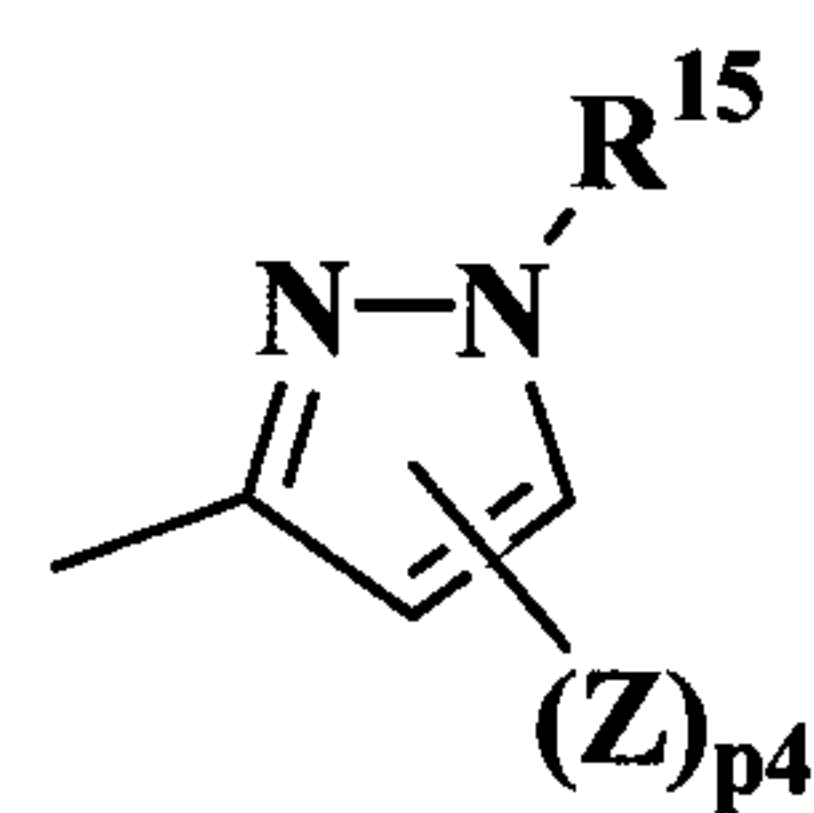
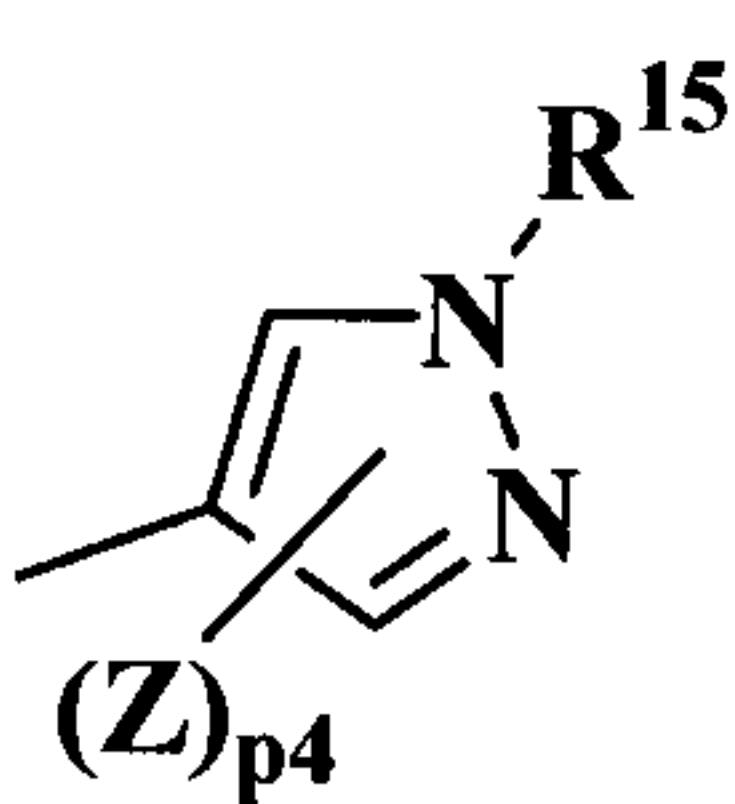
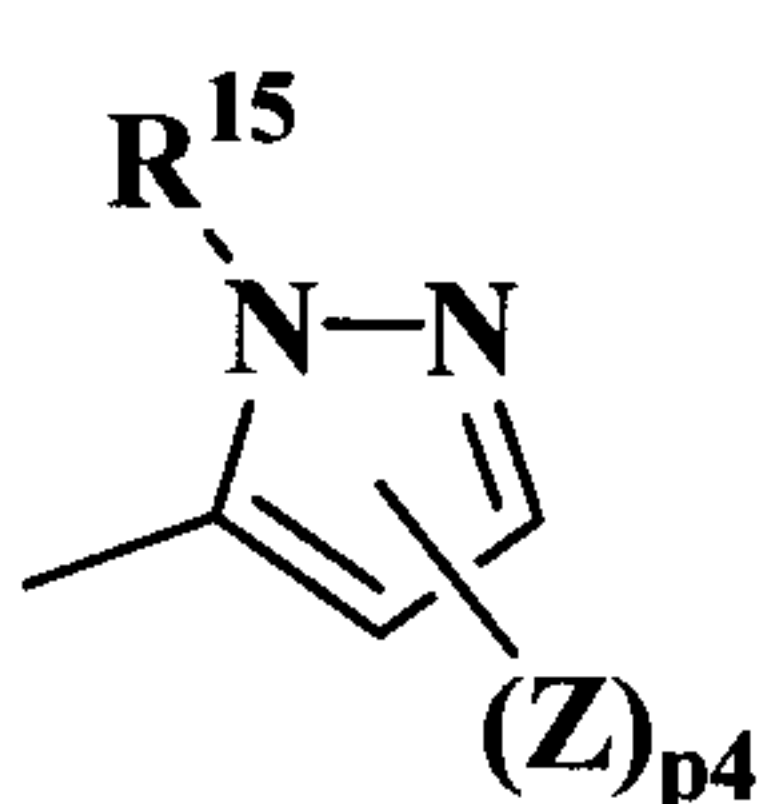
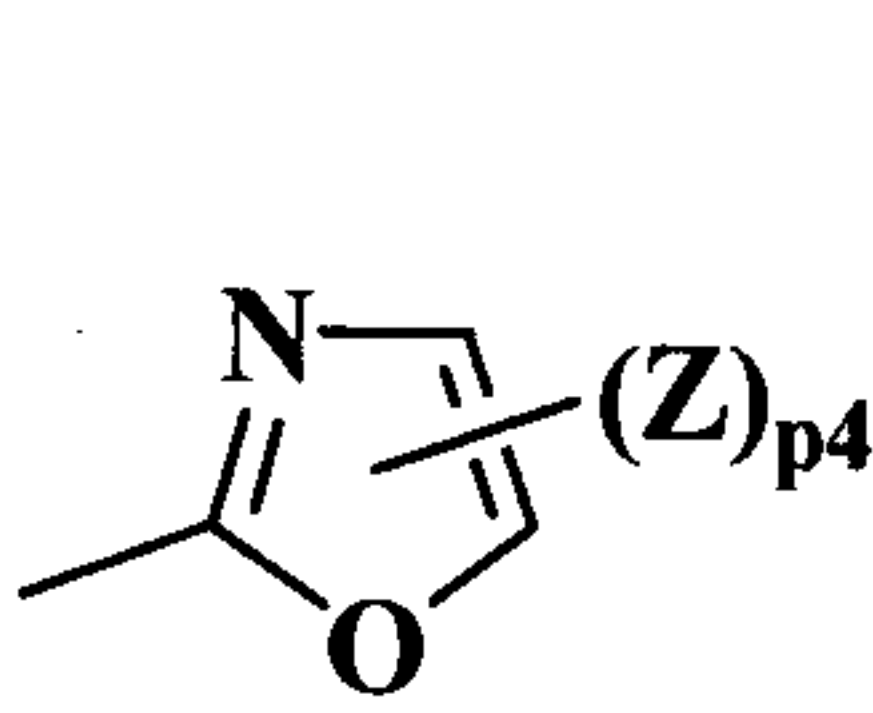
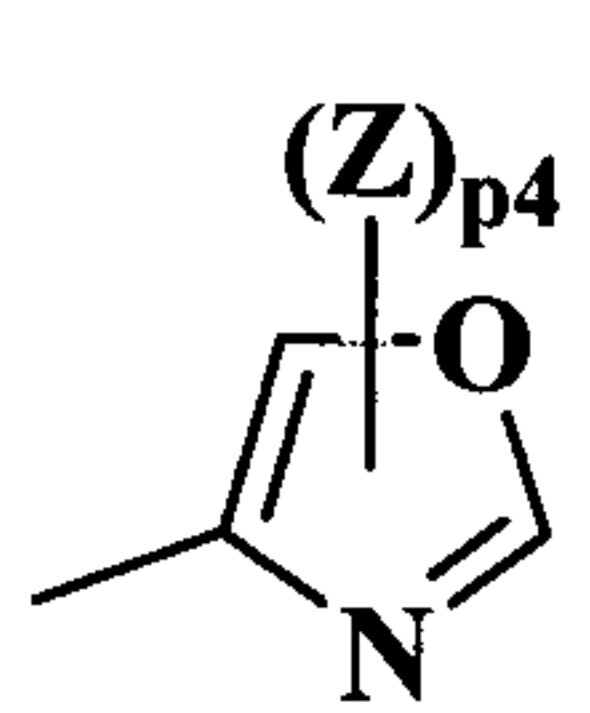
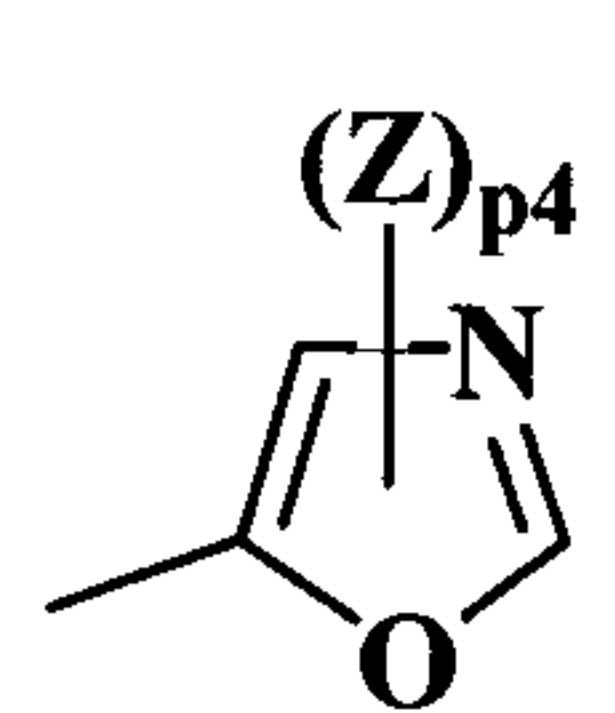
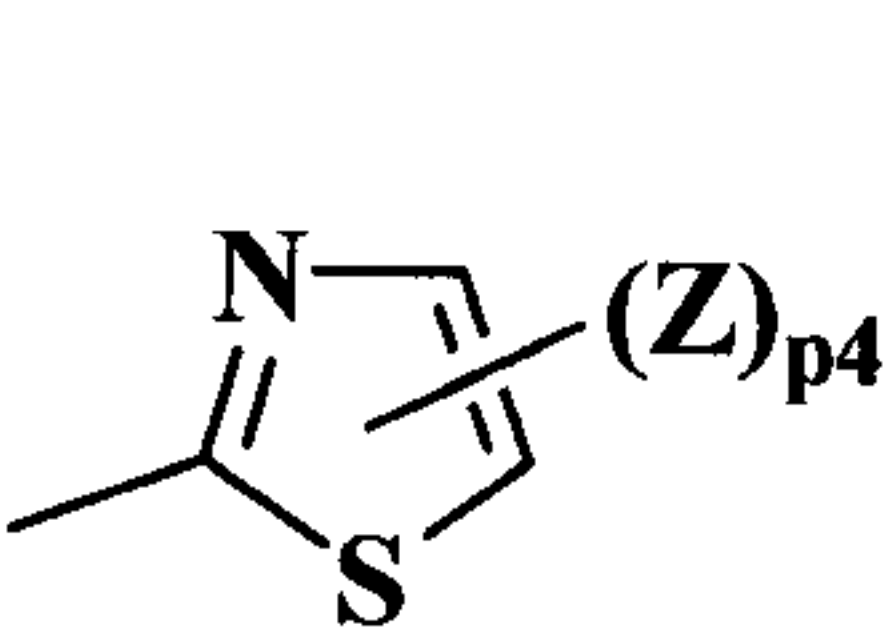
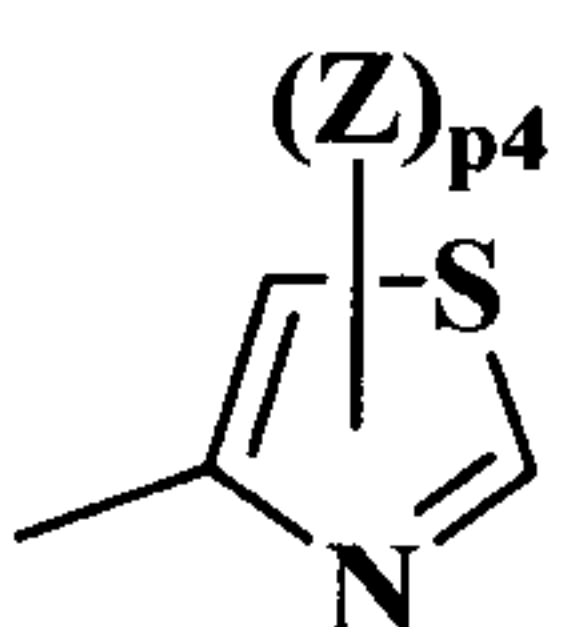
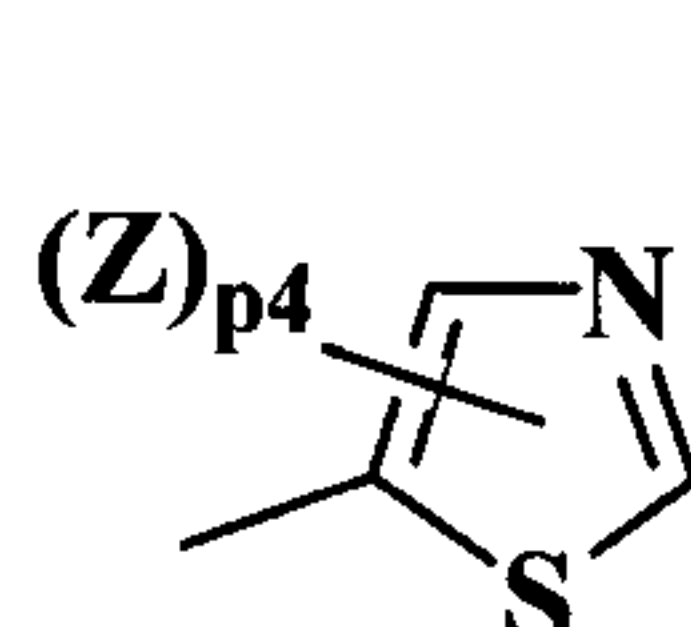
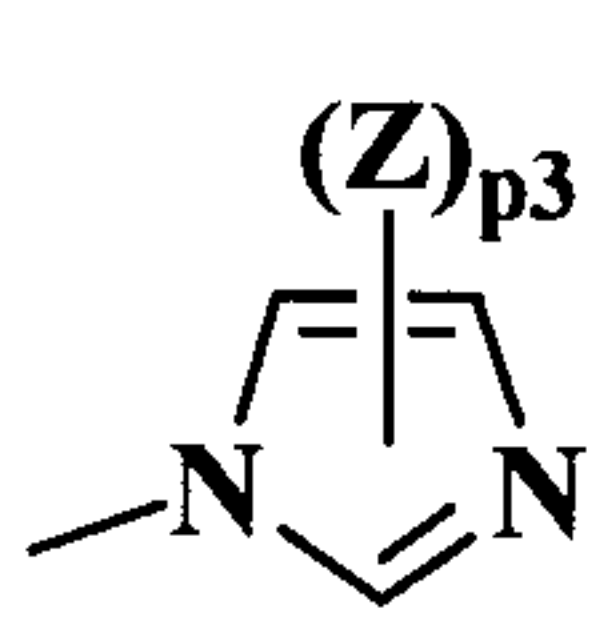
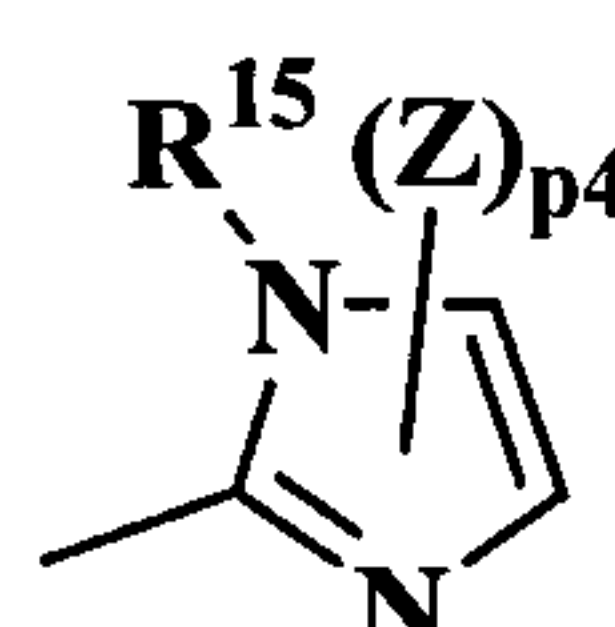
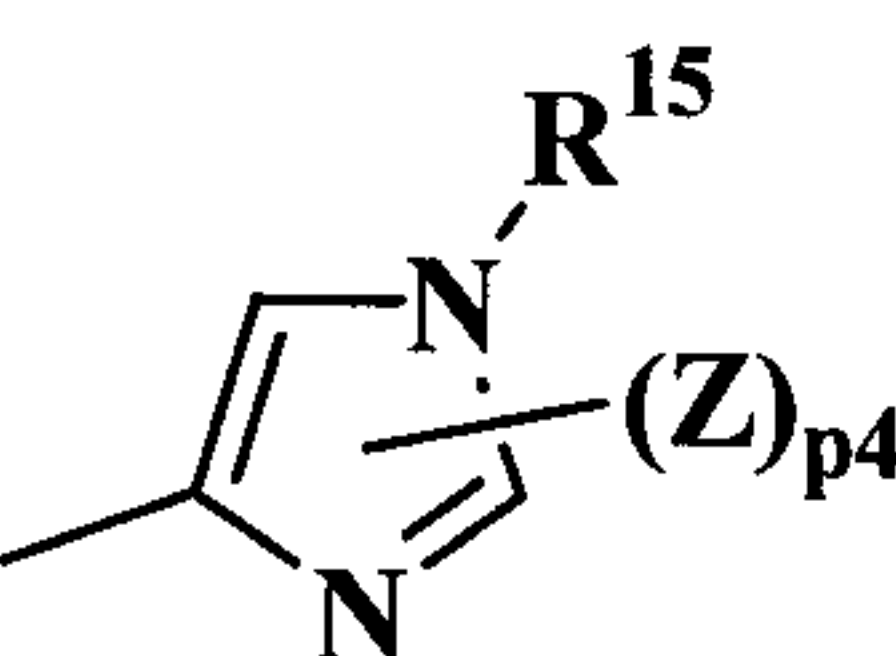
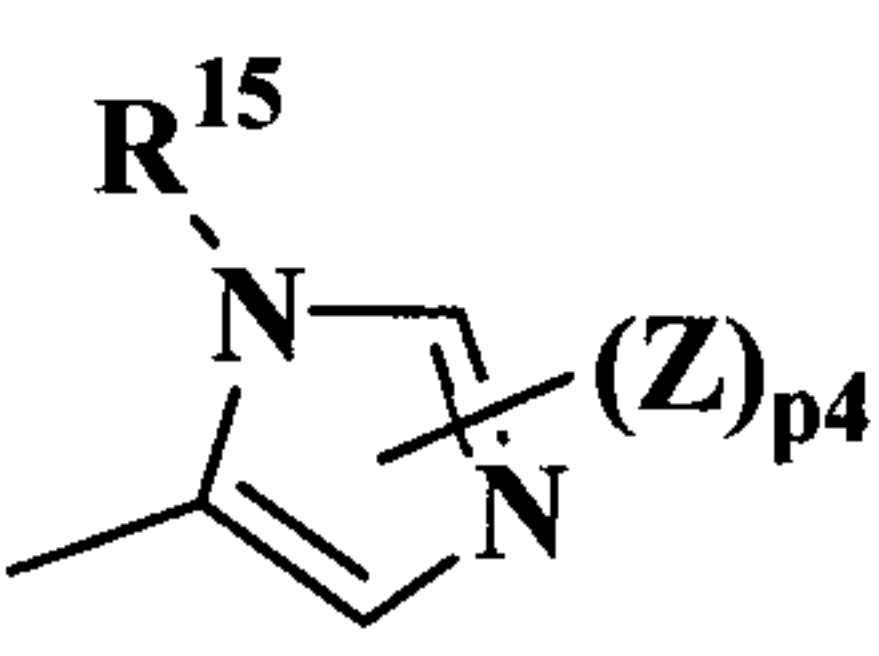
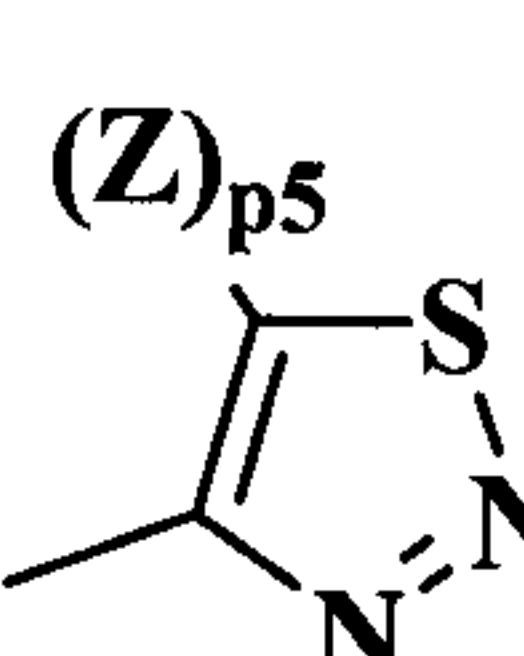
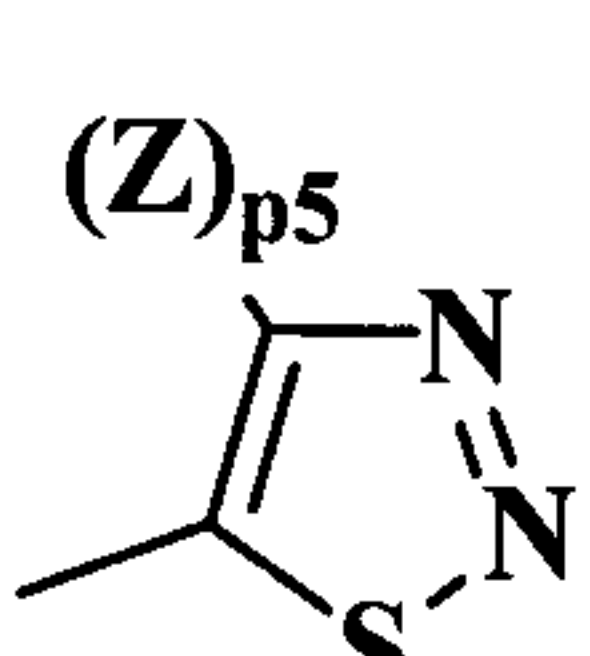
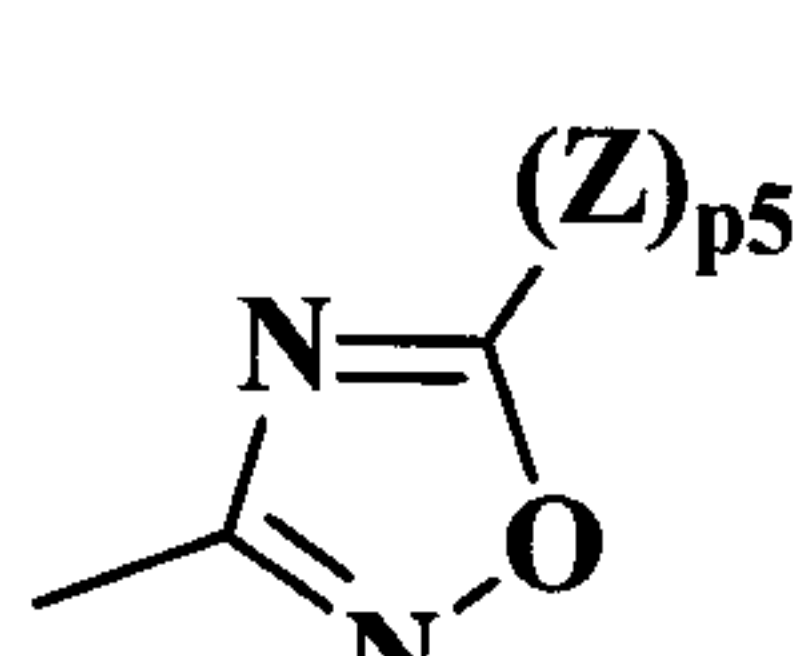
further, when two Xs are adjacent, the adjacent two Xs may form 5-membered or 6-membered ring together with carbon atoms to which the two Xs are bonded by forming -CH₂CH₂CH₂-, -CH₂CH₂O-, -CH₂OCH₂-, -OCH₂O-, -CH₂CH₂S-, -CH₂SCH₂-, -CH₂CH₂N(R¹⁵)-, -CH₂N(R¹⁵)CH₂-, -CH₂CH₂CH₂CH₂-, -CH₂CH₂CH₂O-, -CH₂CH₂OCH₂-, -CH₂OCH₂O-, -OCH₂CH₂O-, -OCH₂CH₂S-, -CH₂CH=CH-, -OCH=CH-, -SCH=CH-, -N(R¹⁵)CH=CH-, -OCH=N-, -SCH=N-, -N(R¹⁵)CH=N-, -N(R¹⁵)N=CH-, -CH=CHCH=CH-, -OCH₂CH=CH-, -N=CHCH=CH-, -N=CHCH=N- or

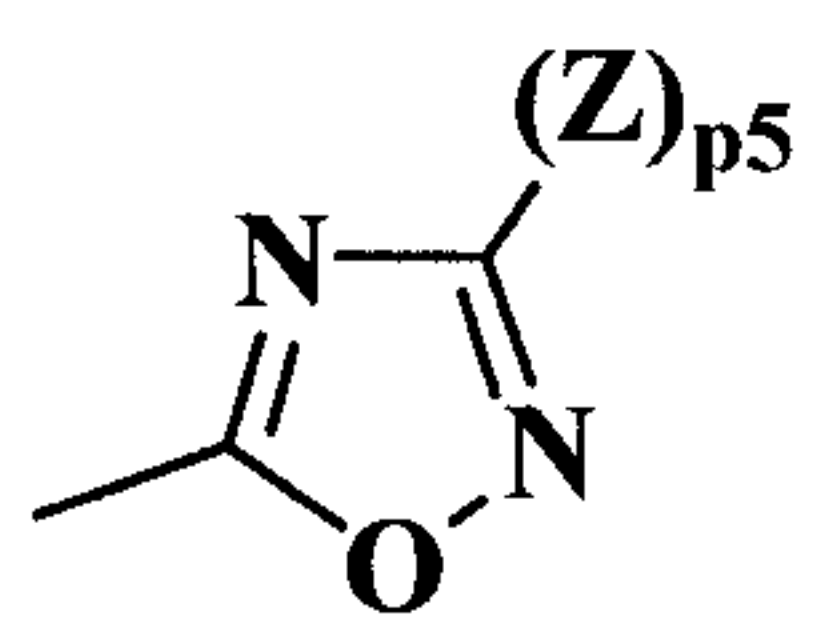
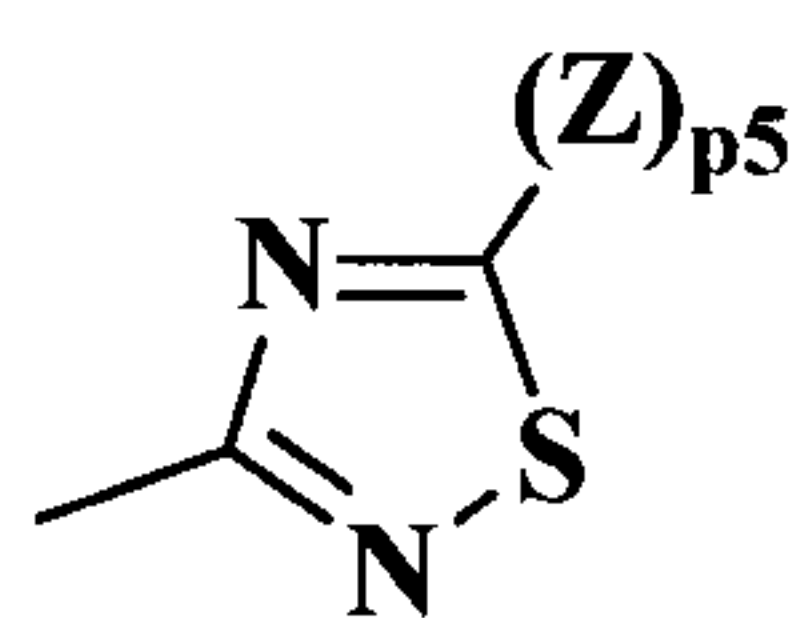
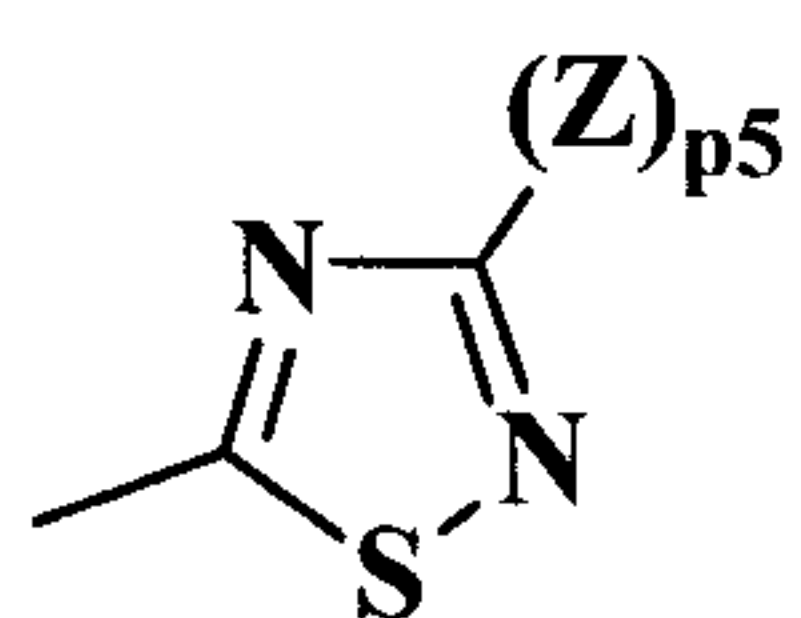
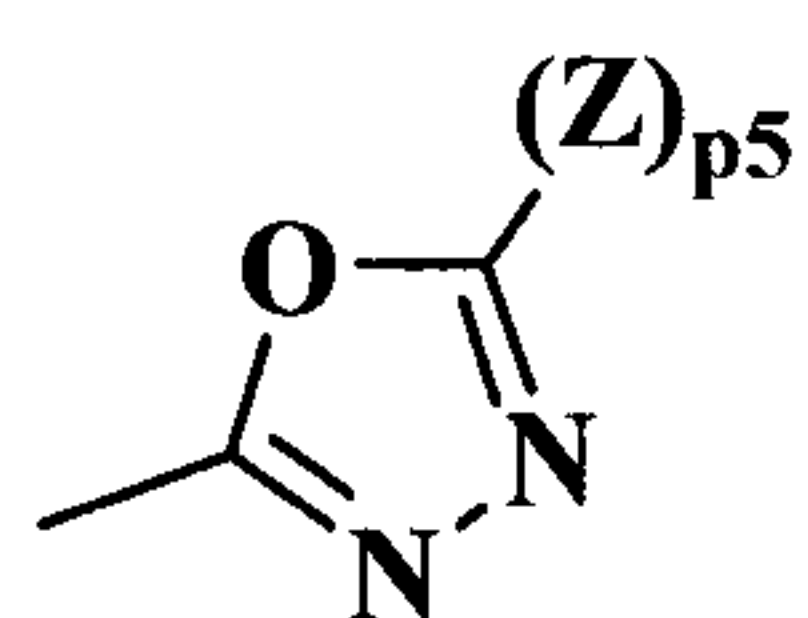
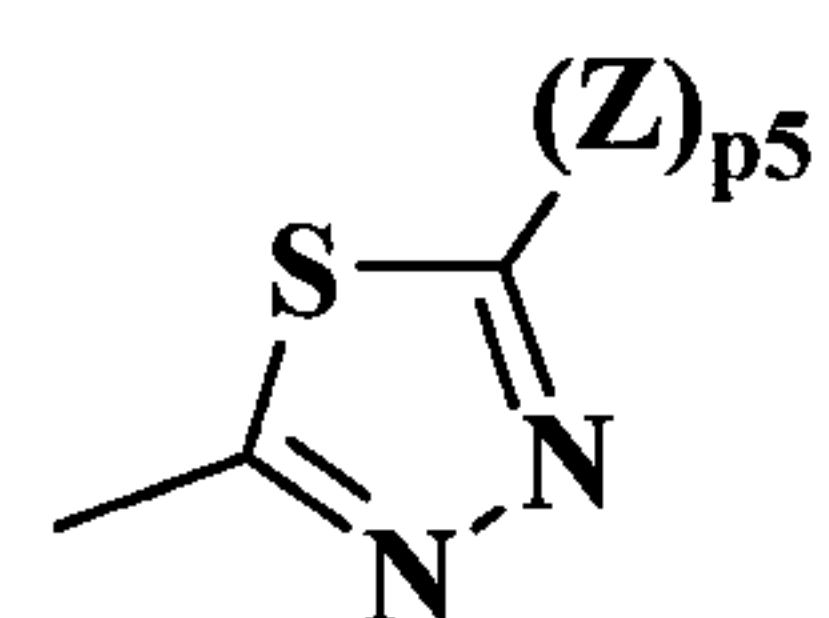
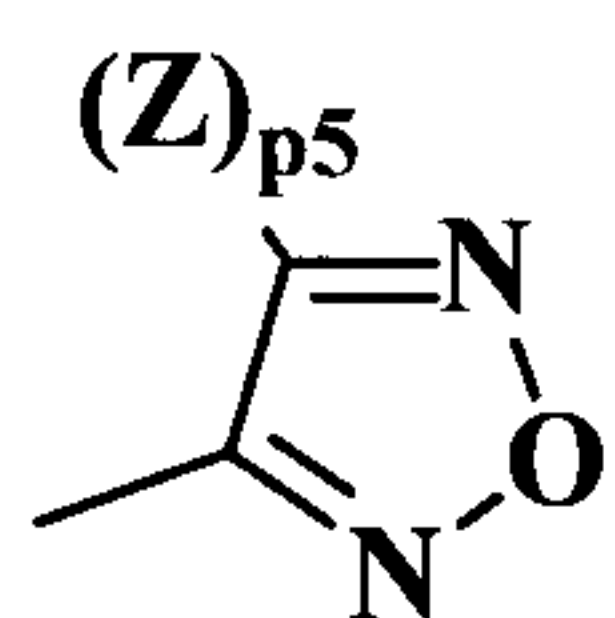
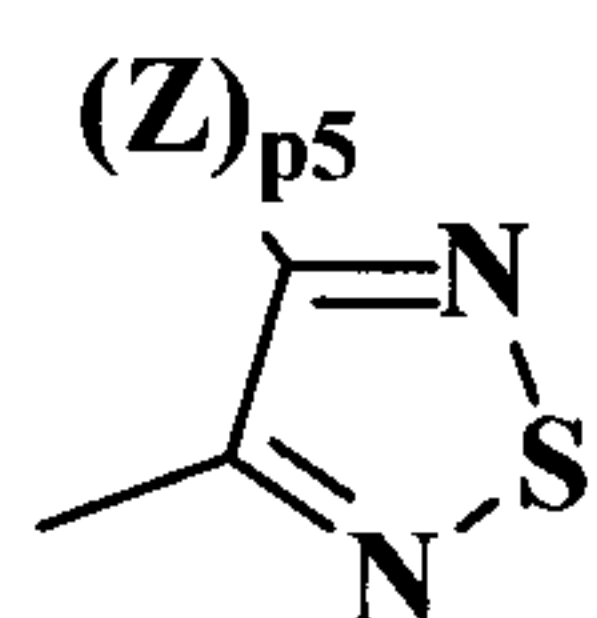
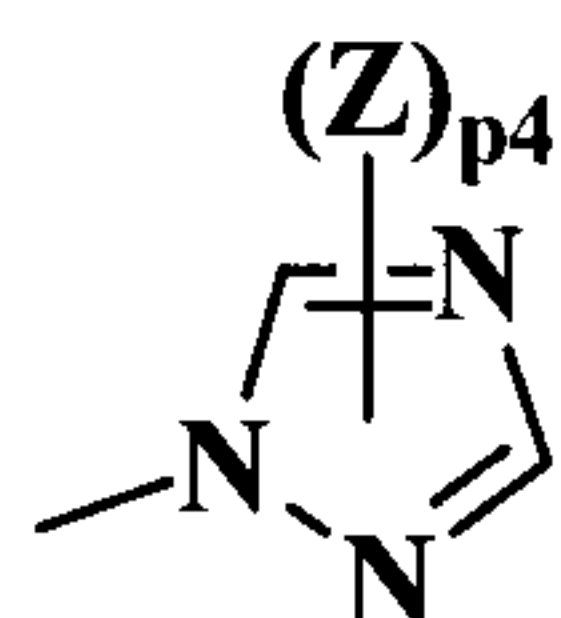
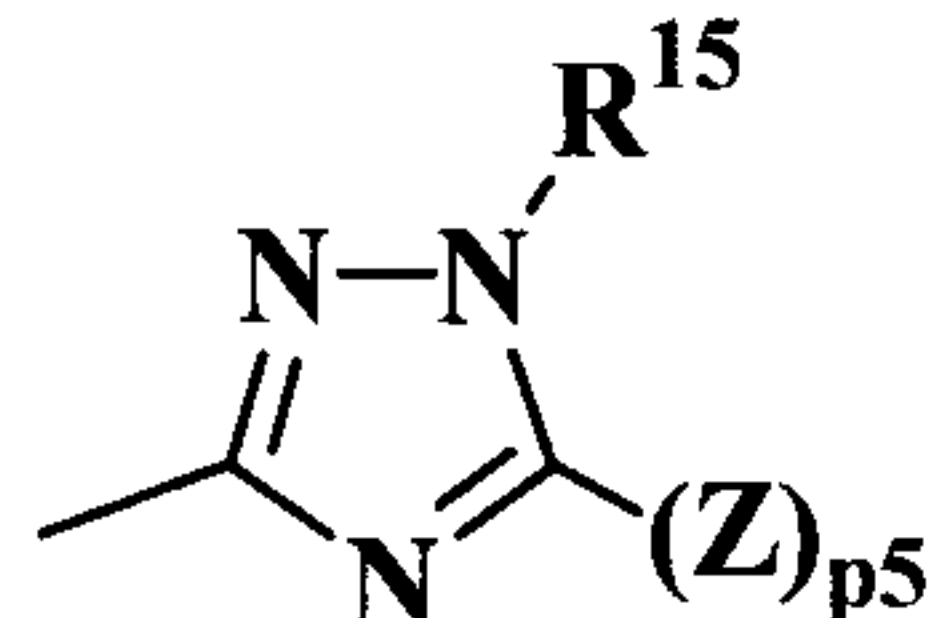
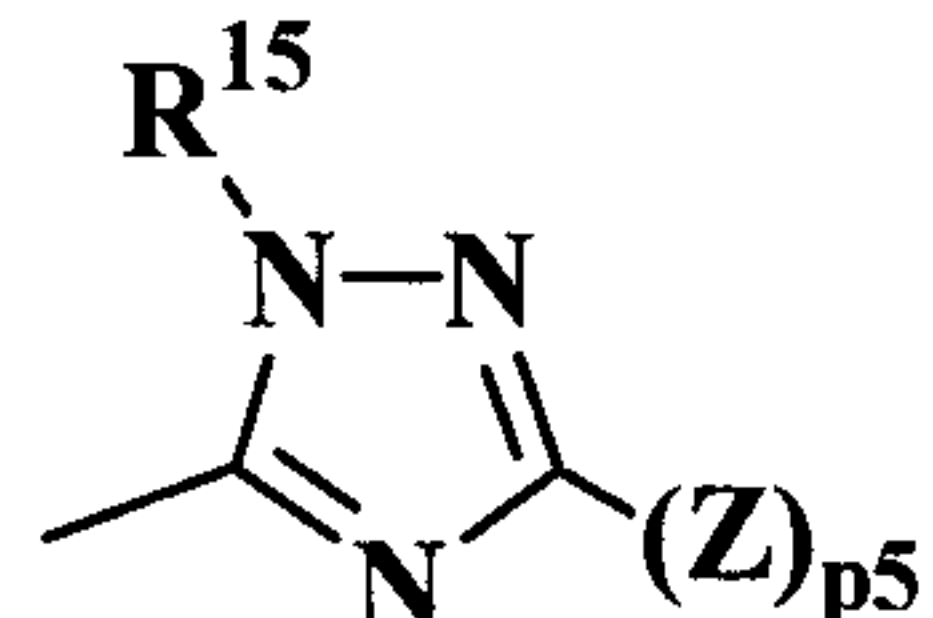
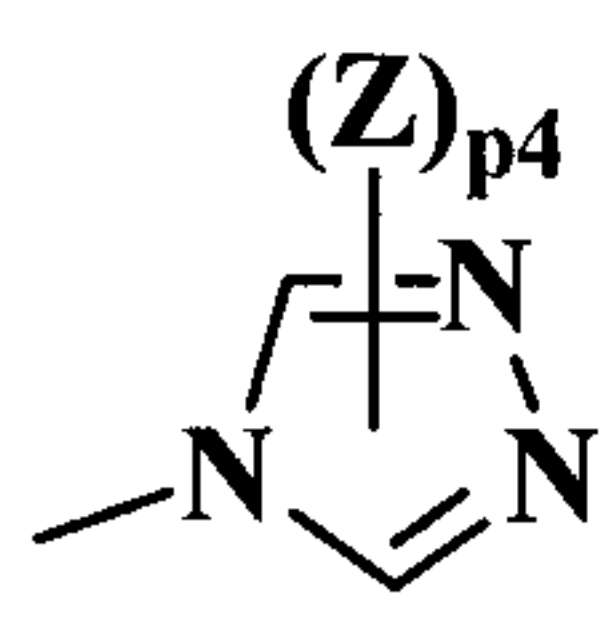
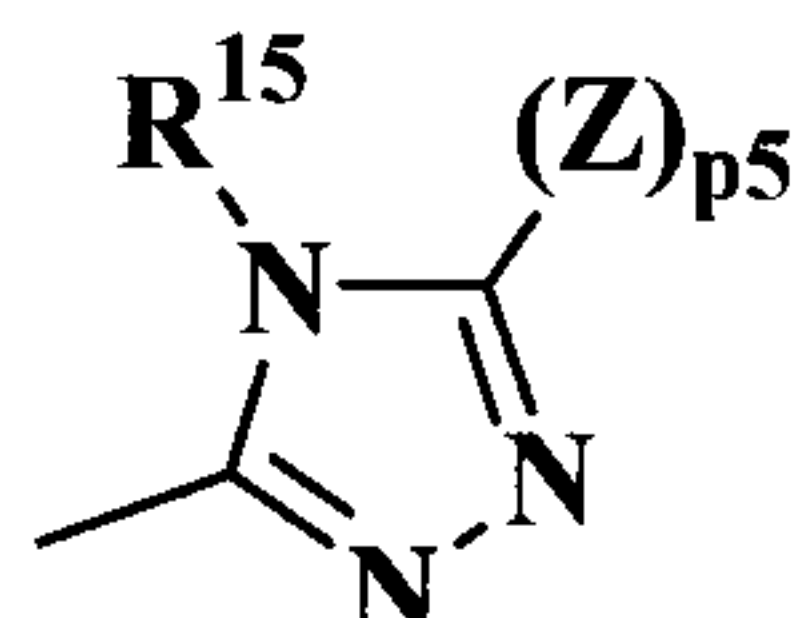
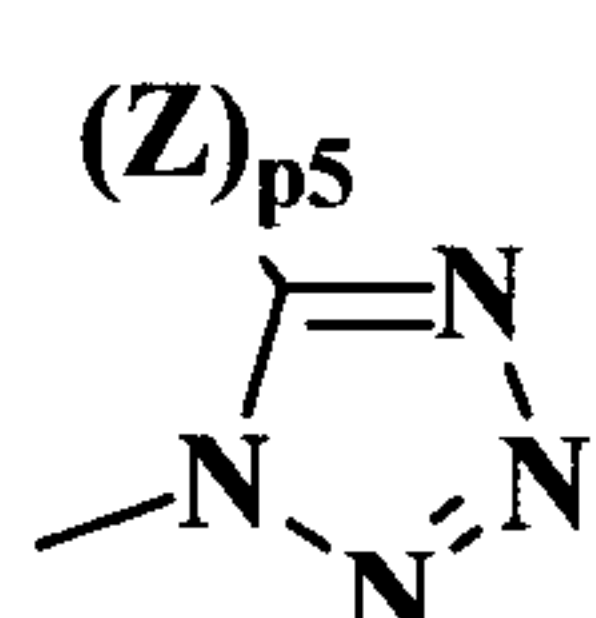
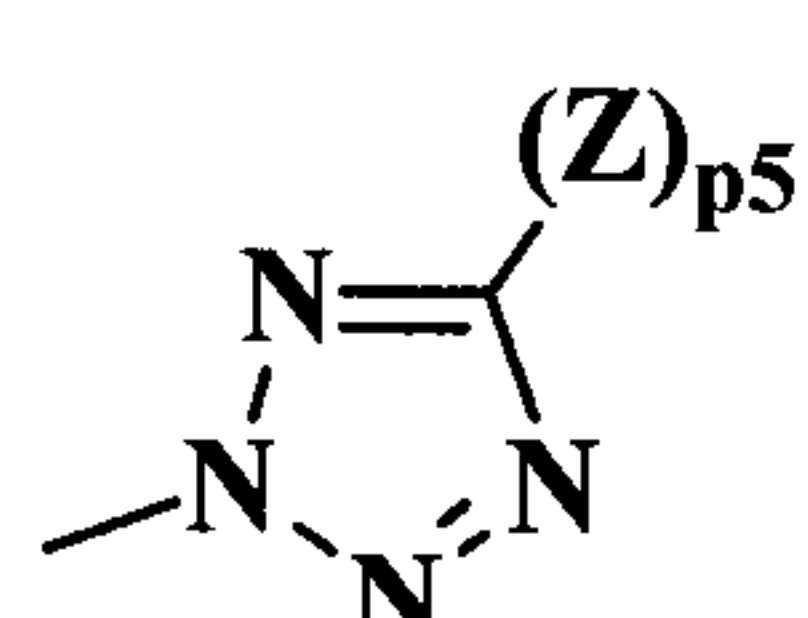
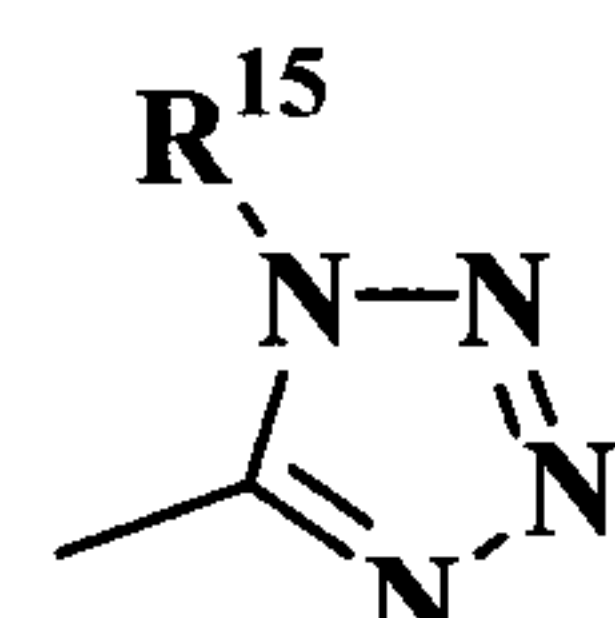
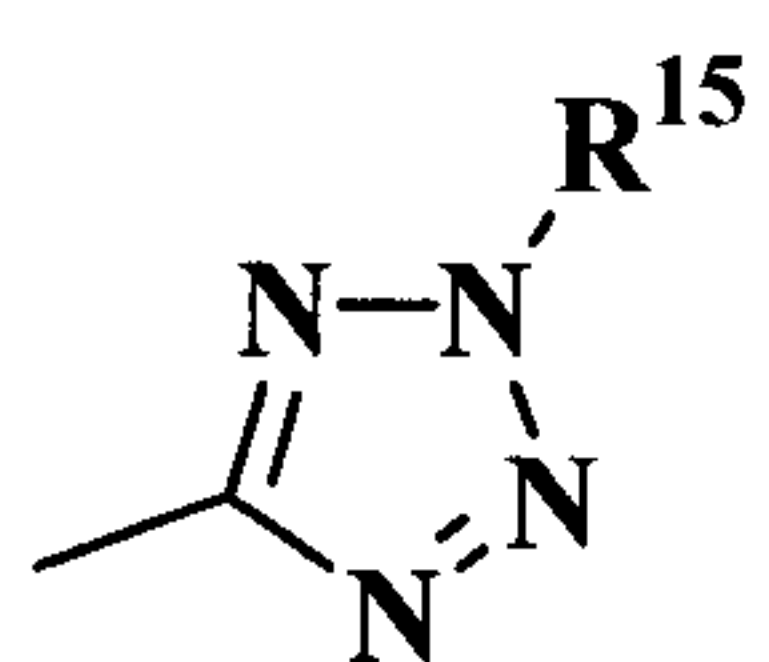
-N=CHN=CH-, in this case, hydrogen atoms bonded to each carbon atom forming the ring may be arbitrarily substituted with Z, further when the hydrogen atoms are substituted with two or more Zs at the same time, each Z may be identical with or different from each other,

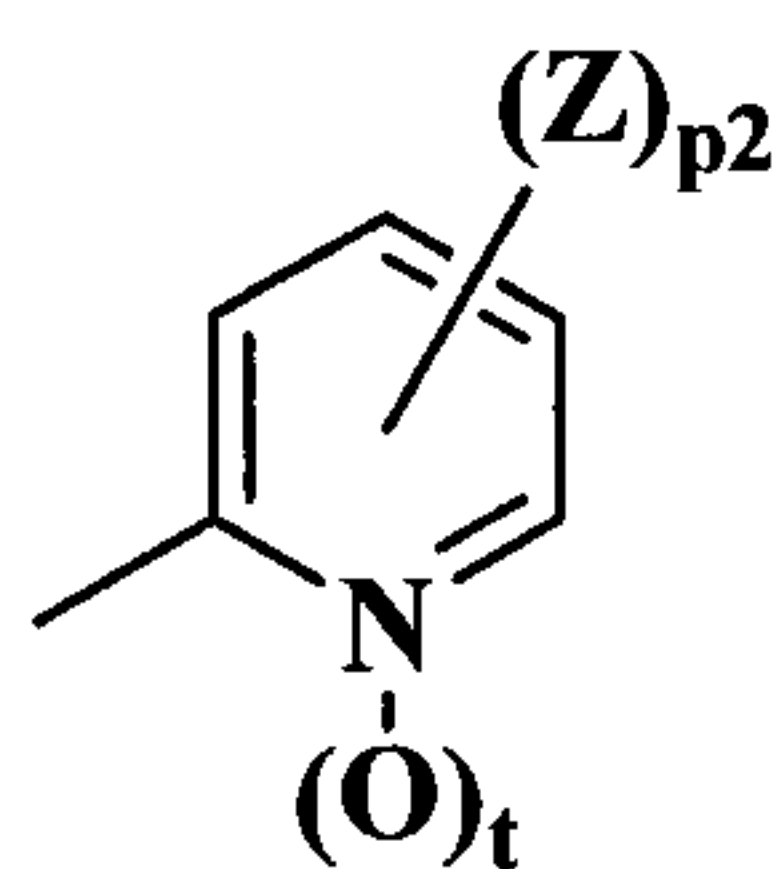
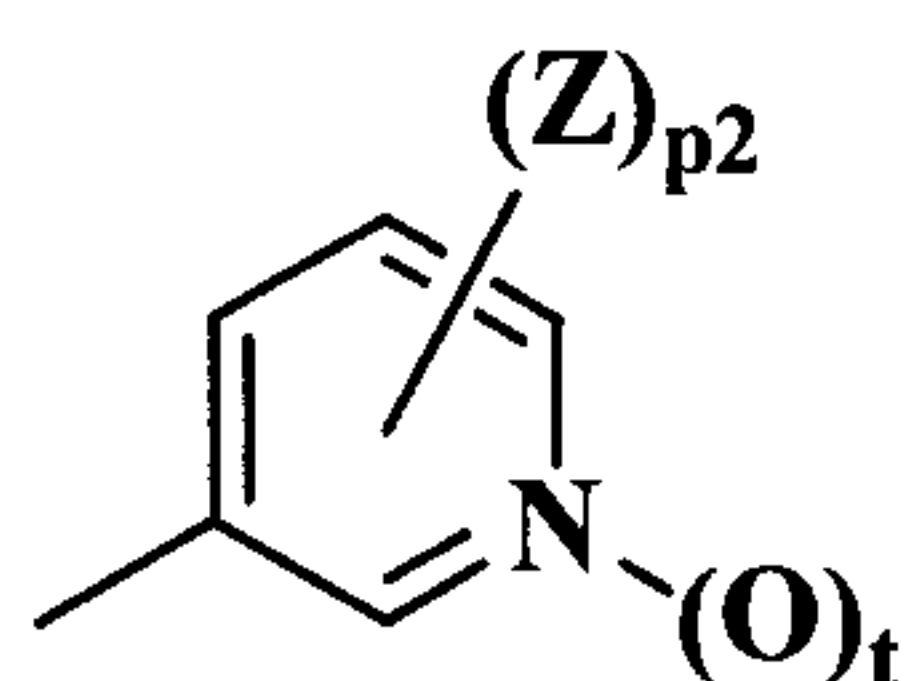
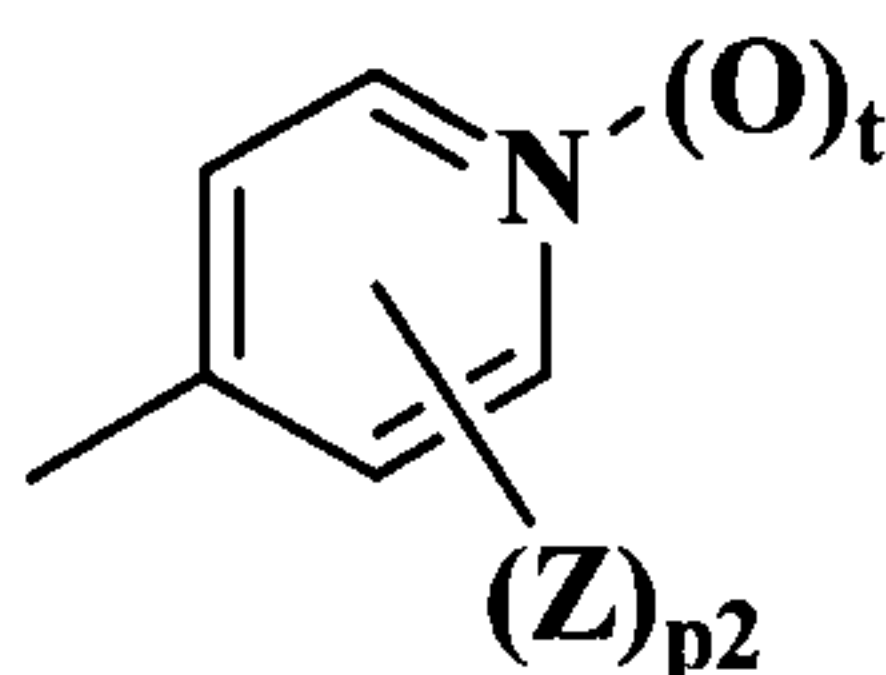
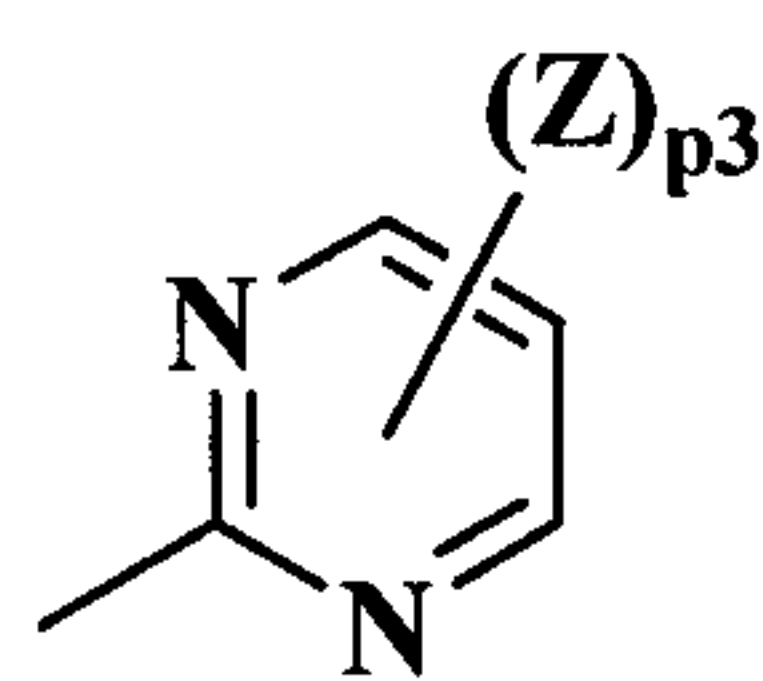
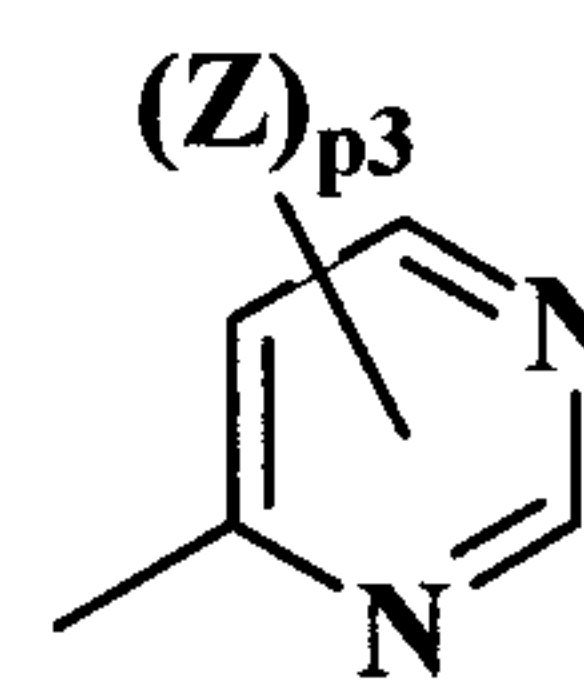
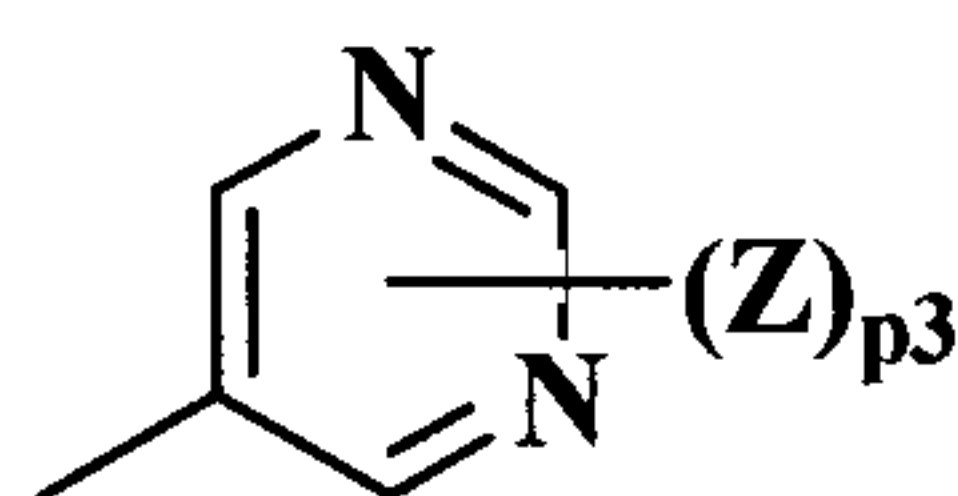
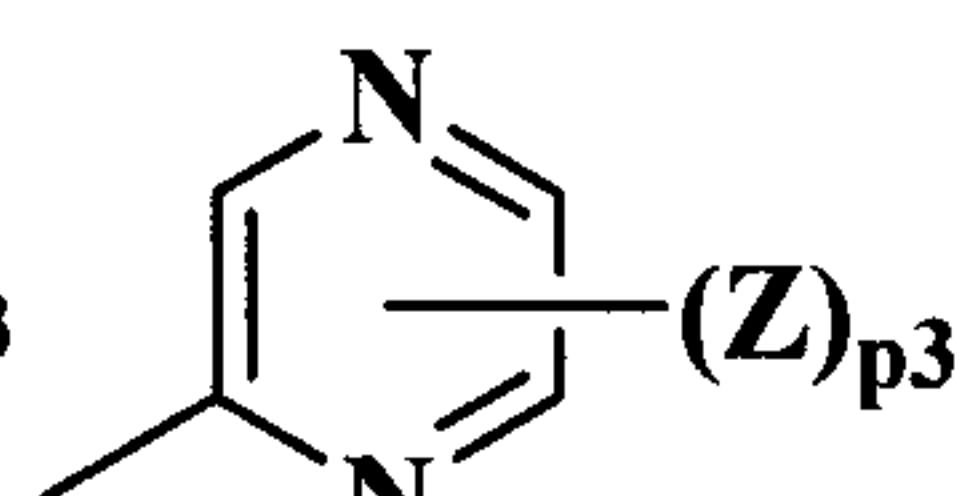
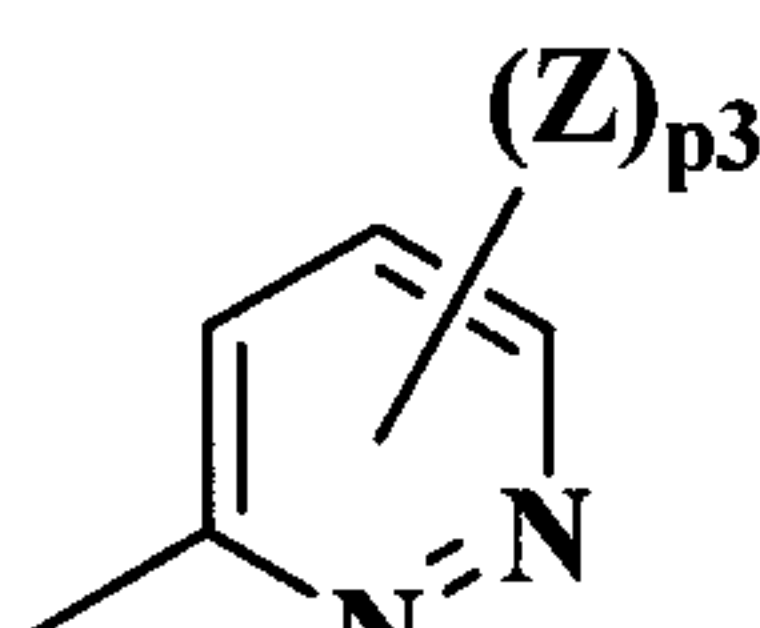
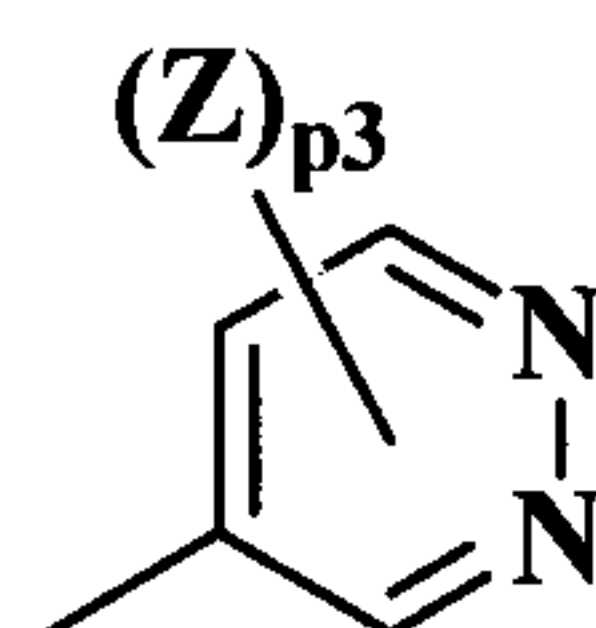
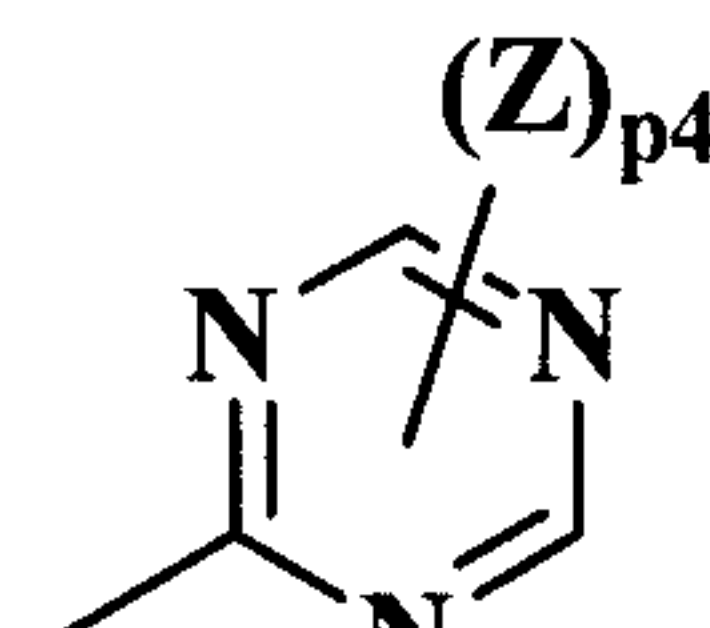
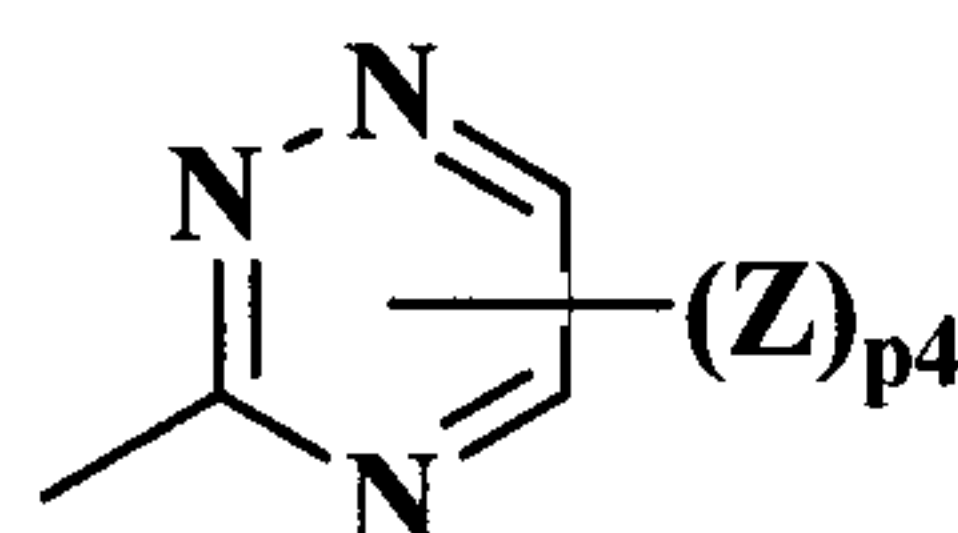
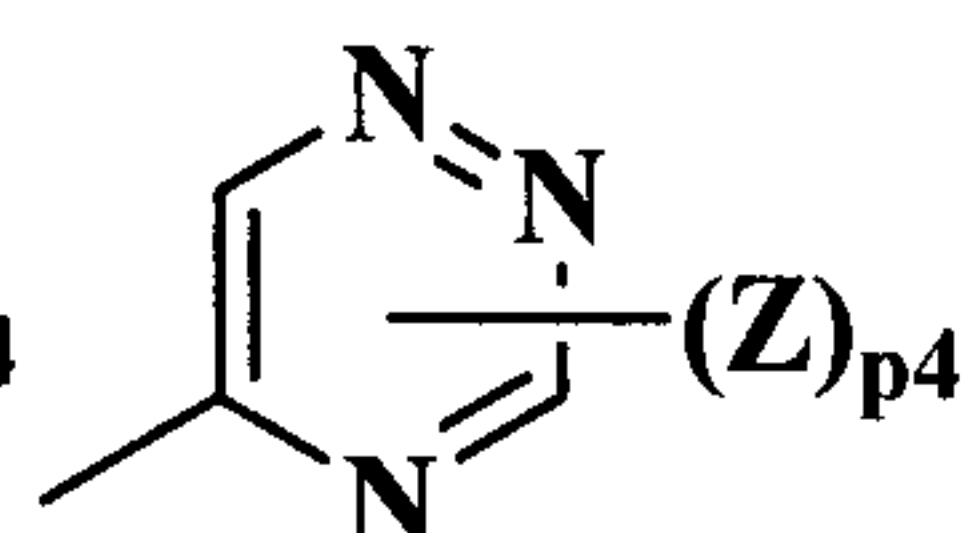
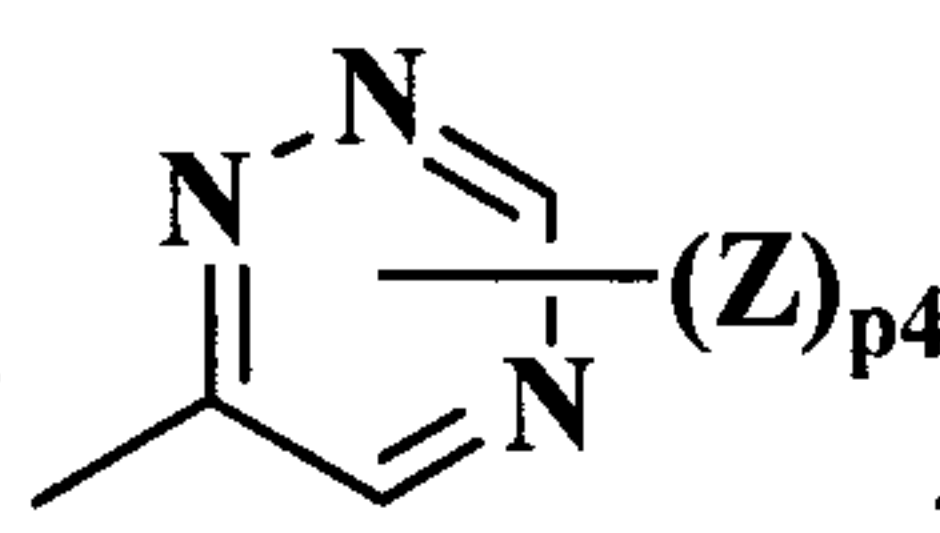
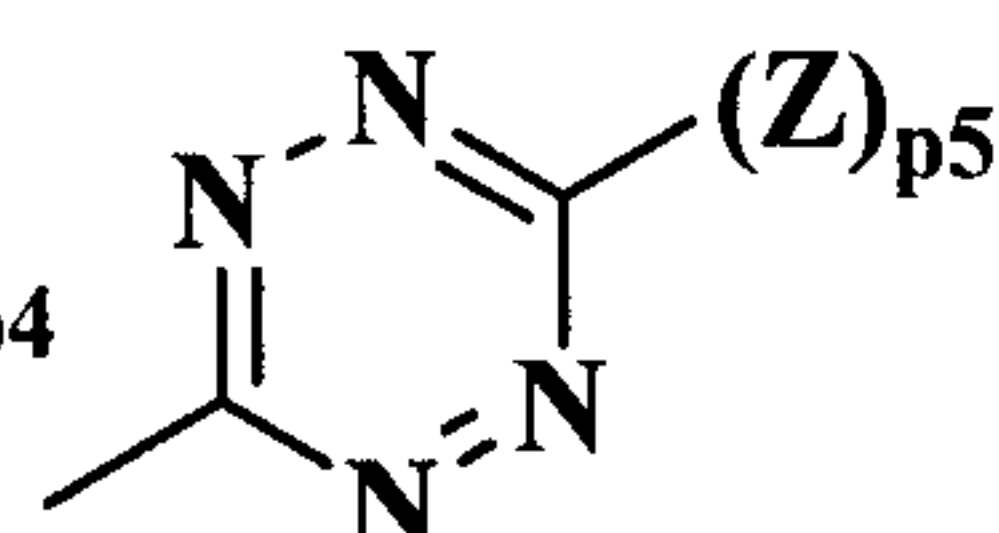
Y is halogen atom, cyano, nitro, azido, -SCN, -SF₅, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, C₃-C₈cycloalkyl, C₃-C₈cycloalkyl arbitrarily substituted with R⁴, -OH, -OR⁵, -OSO₂R⁵, -SH, -S(O)_rR⁵, -NHR⁷, -N(R⁷)R⁶, -N=CHOR⁸, -N=C(R⁹)OR⁸, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -Si(R¹³)(R¹⁴)R¹², phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49, when n is 2, 3 or 4, each Y may be identical with or different from each other,

further, when two Ys are adjacent, the adjacent two Ys may form 5-membered or 6-membered ring together with carbon atoms to which the two Ys are bonded by forming -CH₂CH₂CH₂-, -CH₂CH₂O-, -CH₂OCH₂-, -OCH₂O-, -CH₂CH₂S-, -CH₂SCH₂-, -SCH₂S-, -CH₂CH₂CH₂CH₂-, -CH₂CH₂CH₂O-, -CH₂CH₂OCH₂-, -CH₂OCH₂O-, -OCH₂CH₂O-, -OCH₂CH₂S-, -SCH₂CH₂S-, -OCH=N- or -SCH=N-, in this case, hydrogen atoms bonded to each carbon atom forming the ring may be arbitrarily substituted with Z, further when the hydrogen atoms are substituted with two or more Zs at the same time, each Z may be identical with or different from each other, R¹ and R² independently of each other are hydrogen atom, cyano, C₁-C₁₂alkyl, C₁-C₁₂alkyl arbitrarily substituted with R¹⁶, C₃-C₁₂cycloalkyl, C₃-C₁₂cycloalkyl arbitrarily substituted with R¹⁶, C₃-C₁₂alkenyl, C₃-C₁₂alkenyl arbitrarily substituted with R¹⁶, C₃-C₁₂cycloalkenyl, C₃-C₁₂halocycloalkenyl, C₃-C₁₂alkynyl, C₃-C₁₂alkynyl arbitrarily substituted with R¹⁶, -SR⁹, -S(O)₂R⁹, -SN(R¹⁸)R¹⁷, -S(O)₂N(R¹⁰)R⁹, -OH, -OR¹⁹, -NHR²⁰, -N(R²⁰)R¹⁹, -N=CHR^{19b}, -N=C(R^{19b})R^{19a}, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(O)N(R¹⁰)R⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)N(R¹⁰)R⁹, -C(=NR¹¹)OR⁹, -C(=NR¹¹)SR⁹, -C(=NR¹¹)N(R¹⁰)R⁹, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-6 to D-13, D-15 to D-23, D-25 to D-37, D-39, D-40, D-42, D-45 to D-60, E-3 to E-9, E-23 to E-28, E-30, E-31, E-34 or E-45, or R¹ and R² together form =C(R^{2a})R^{1a}, and further R¹ and R² together may form 3- to 8-membered ring together with the nitrogen atom bonding them by forming C₂-C₇ alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxy (C₁-C₆)alkyl, C₁-C₆alkoxy,

formyl, C₁-C₆alkylcarbonyl, C₁-C₆haloalkylcarbonyl or C₁-C₆alkoxycarbonyl, R^{1a} and R^{2a} independently of each other are C₁-C₁₂alkyl, C₁-C₁₂haloalkyl, C₃-C₁₂cycloalkyl, C₃-C₁₂alkenyl, C₃-C₁₂haloalkenyl, C₃-C₁₂alkynyl, C₃-C₁₂haloalkynyl, -SR⁹, -OR⁹, -N(R¹⁰)R⁹, phenyl, phenyl substituted with (Z)_{p1}, or R^{1a} and R^{2a} together may form 5- or 6-membered ring together with the carbon atom bonding them by forming C₄ or C₅ alkylene chain or C₄ or C₅ alkenylene chain, in this case, the alkylene chain and the alkenylene chain may contain one to three oxygen atoms, sulfur atoms or nitrogen atoms, and may be arbitrarily substituted with halogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio or C₁-C₆haloalkylthio, R³ is cyano, C₁-C₆alkyl arbitrarily substituted with R⁴, C₃-C₈cycloalkyl, C₃-C₈cycloalkyl arbitrarily substituted with R⁴, C₃-C₆alkenyl, C₂-C₆alkenyl arbitrarily substituted with R⁴, C₃-C₆alkynyl, C₂-C₆alkynyl arbitrarily substituted with R⁴, -OR⁵, -S(O)_rR⁵, -N(R¹⁰)R⁹, -CHO, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -CH=NOR¹¹, -C(R⁹)=NOR¹¹, -Si(R¹³)(R¹⁴)R¹², -P(O)(OR²¹)₂, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49, D-1 to D-60 are aromatic heterocyclic rings of the following formulae, respectively

**D-1****D-2****D-3****D-4****D-5****D-6****D-7****D-8****D-9****D-10****D-11****D-12****D-13****D-14****D-15****D-16****D-17****D-18****D-19****D-20****D-21****D-22****D-23****D-24****D-25****D-26****D-27****D-28****D-29****D-30**

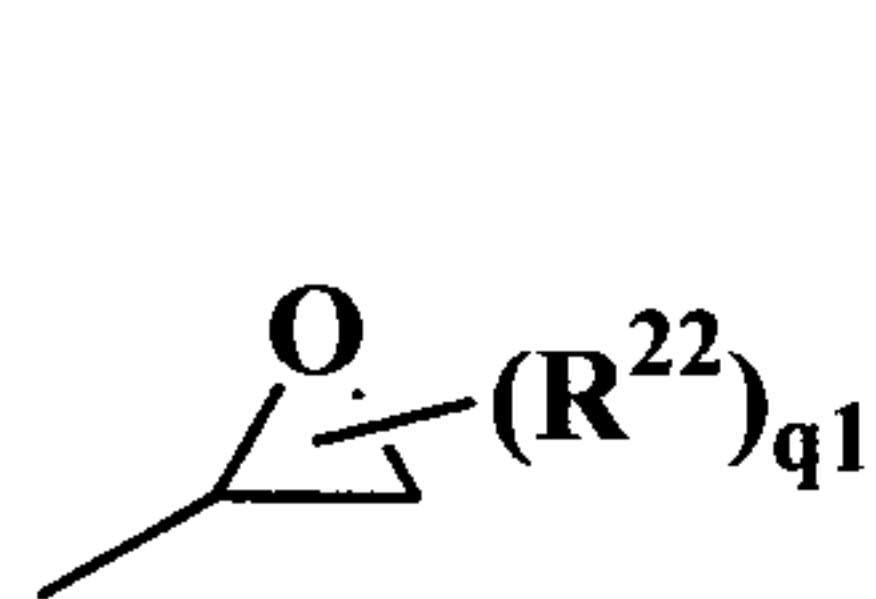
**D-31****D-32****D-33****D-34****D-35****D-36****D-37****D-38****D-39****D-40****D-41****D-42****D-43****D-44****D-45****D-46**

**D-47****D-48****D-49****D-50****D-51****D-52****D-53****D-54****D-55****D-56****D-57****D-58****D-59****D-60**

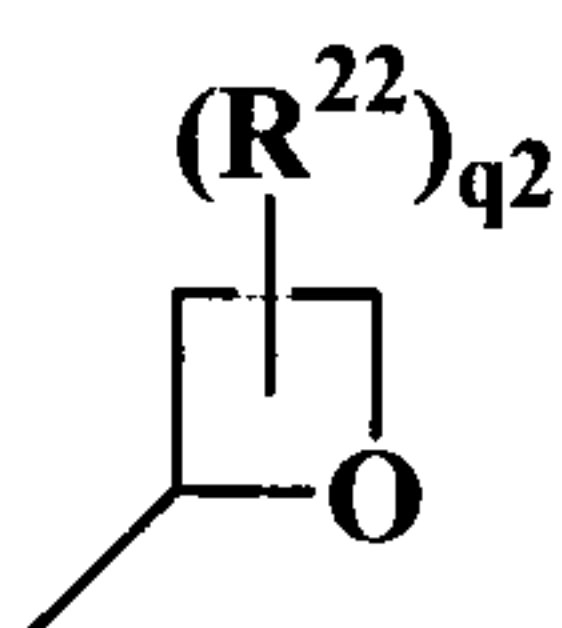
Z is halogen atom, cyano, nitro, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄haloalkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄haloalkylthio C₁-C₄alkyl, C₁-C₄alkylsulfinyl C₁-C₄alkyl, C₁-C₄haloalkylsulfinyl C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, C₁-C₄haloalkylsulfonyl C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, -OH, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylsulfonyloxy, C₁-C₆haloalkylsulfonyloxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, -NH₂, C₁-C₆alkylamino, di(C₁-C₆alkyl)amino, C₁-C₆alkoxycarbonyl, C₁-C₆haloalkoxycarbonyl, -C(O)NH₂, C₁-C₆alkylaminocarbonyl, di(C₁-C₆alkyl)aminocarbonyl, -C(S)NH₂, -S(O)₂NH₂, C₁-C₆alkylaminosulfonyl, di(C₁-C₆alkyl)aminosulfonyl, phenyl or phenyl arbitrarily substituted with halogen atom, when p₁, p₂, p₃ or p₄ is an integer of 2 or more, each Z may be identical with or different from each other,

further, when two Zs are adjacent, the adjacent two Zs may form 5-membered or 6-membered ring together with carbon atoms to which the two Zs are bonded by forming -CH₂CH₂CH₂-, -CH₂CH₂O-, -CH₂OCH₂-, -OCH₂O-, -CH₂CH₂S-, -CH₂SCH₂-, -CH₂CH₂CH₂CH₂-, -CH₂CH₂CH₂O-, -CH₂CH₂OCH₂-, -CH₂OCH₂O-, -OCH₂CH₂O-, -CH₂CH₂CH₂S-, -OCH₂CH₂S- or -CH=CH-CH=CH-, in this case, hydrogen atoms

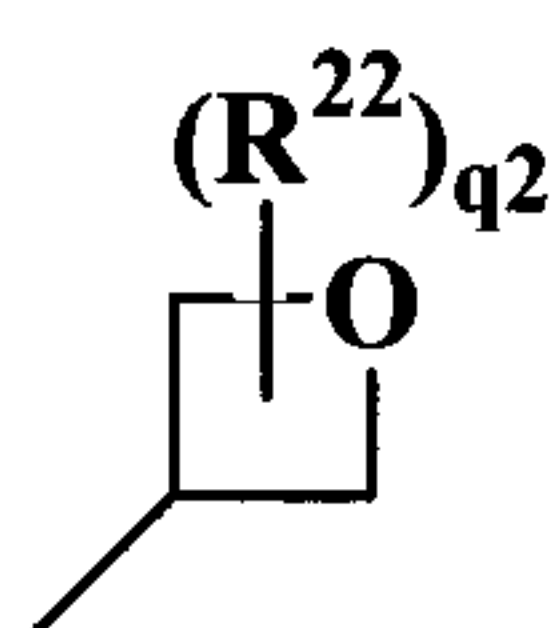
bonded to each carbon atom forming the ring may be arbitrarily substituted with halogen atom, C₁-C₄alkyl or C₁-C₄haloalkyl,
E-1 to E-49 are saturated heterocyclic rings of the following formulae, respectively



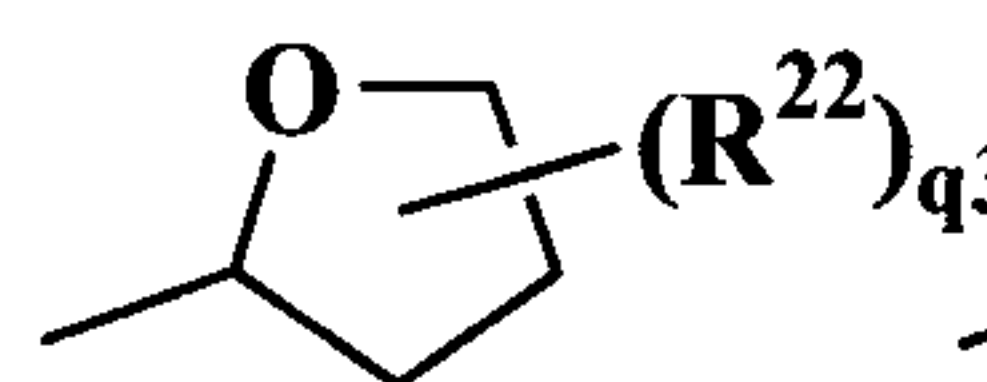
E-1



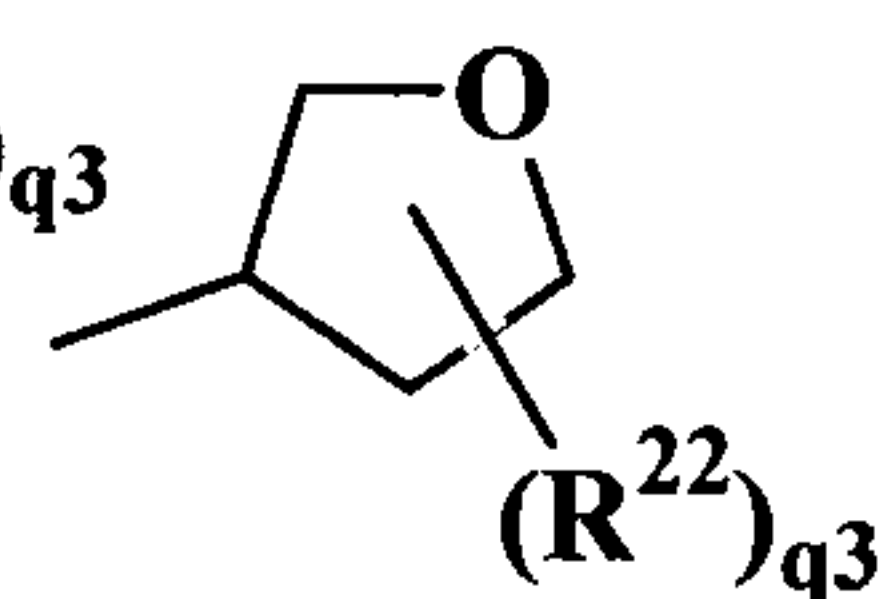
E-2



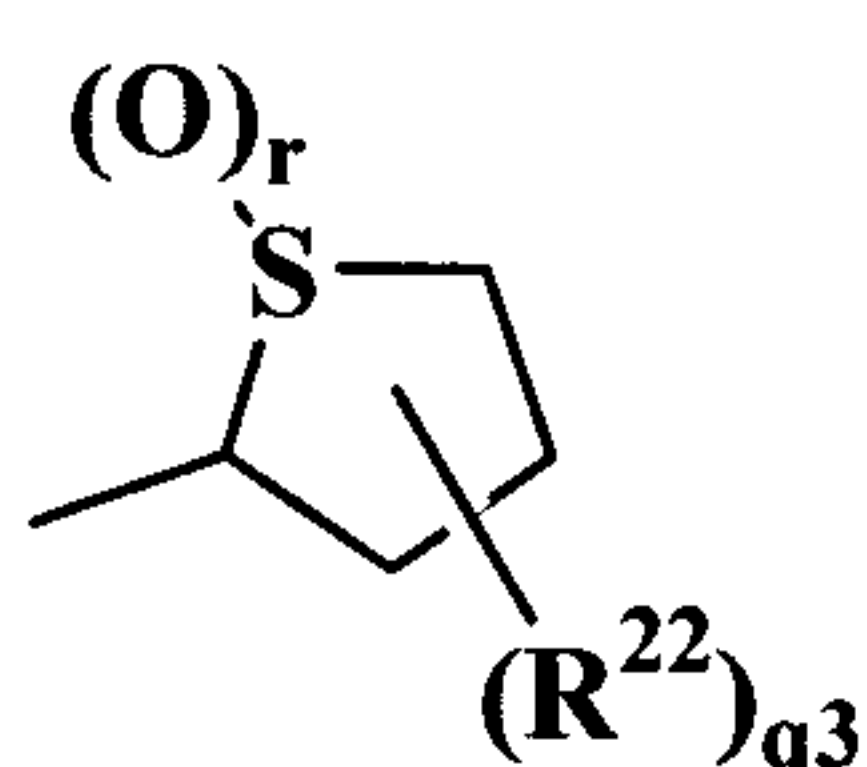
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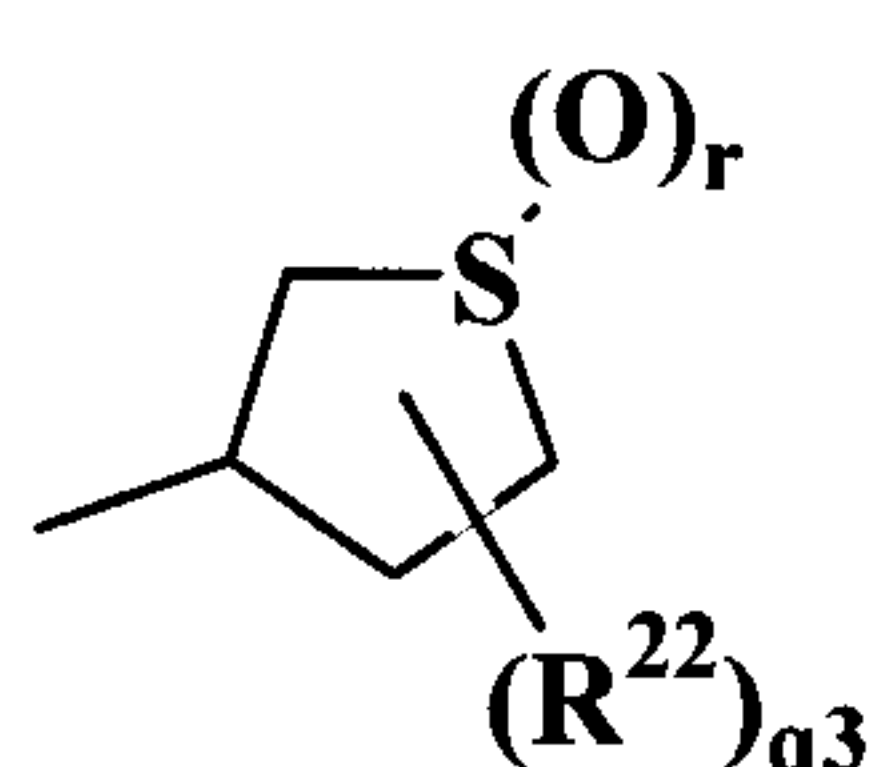
E-4



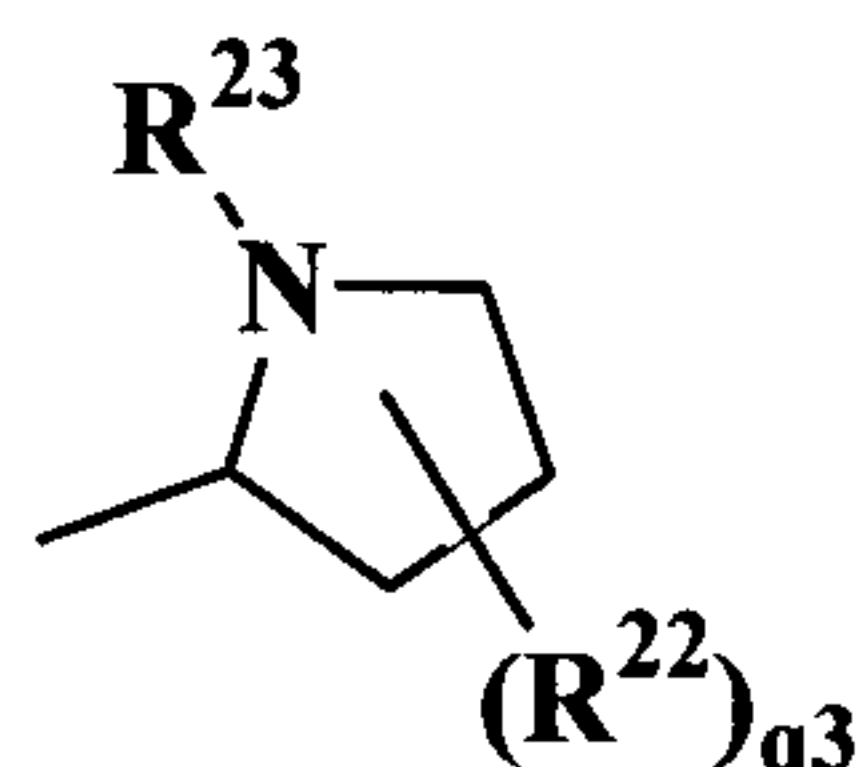
E-5



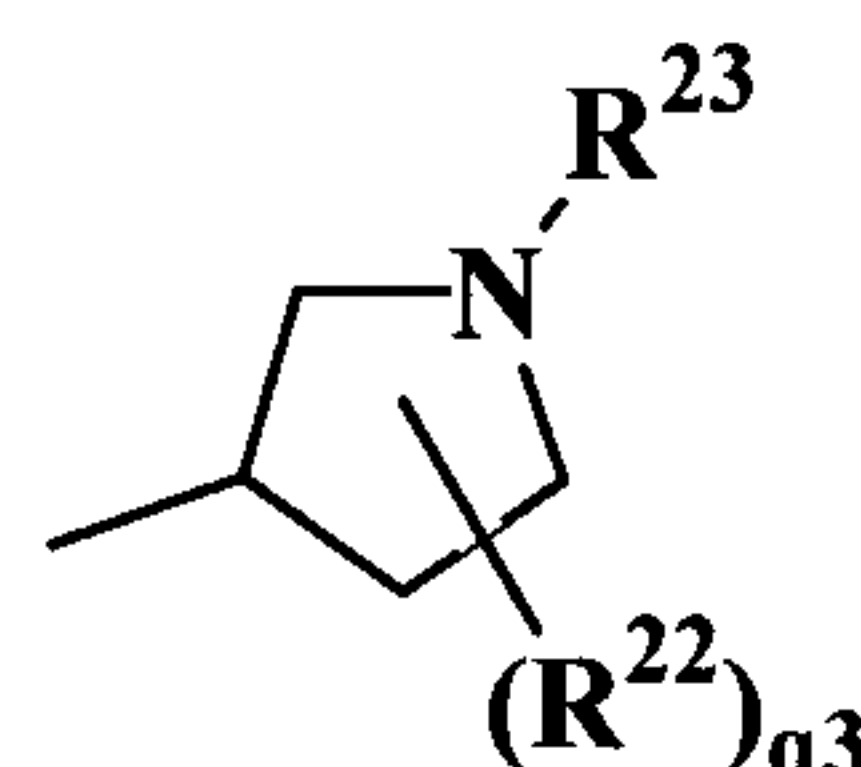
E-6



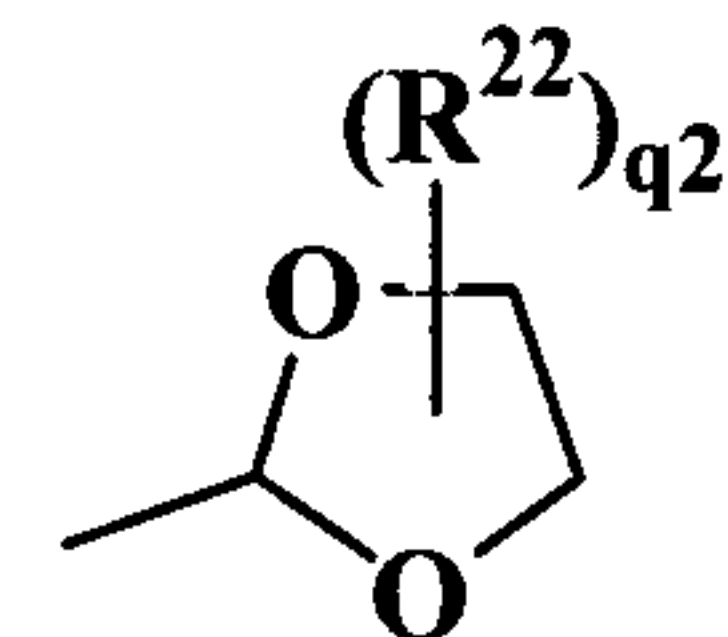
E-7



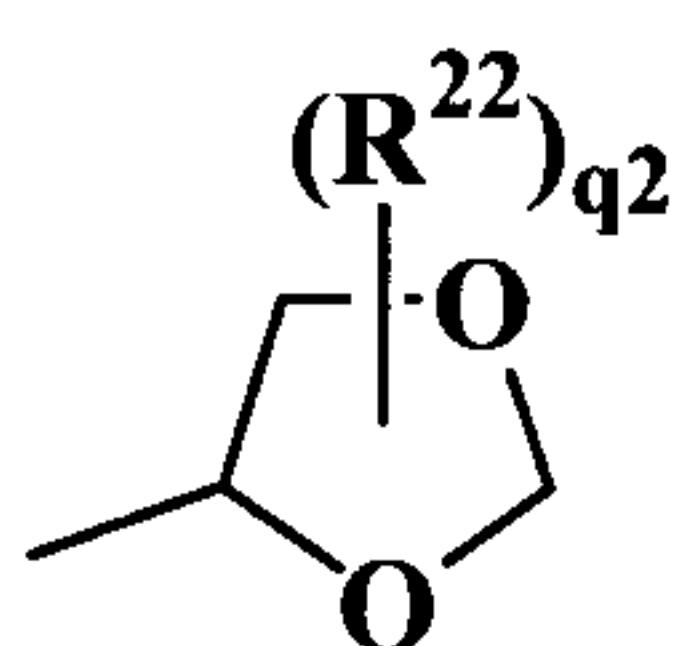
E-8



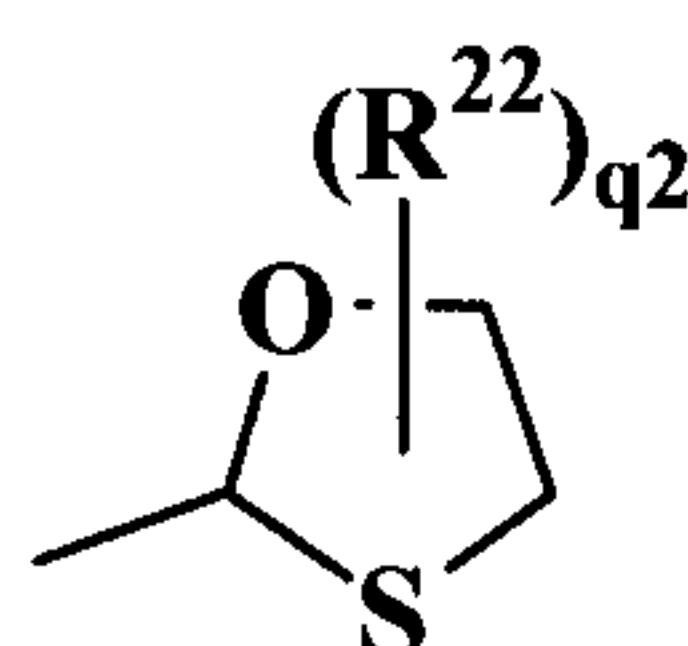
E-9



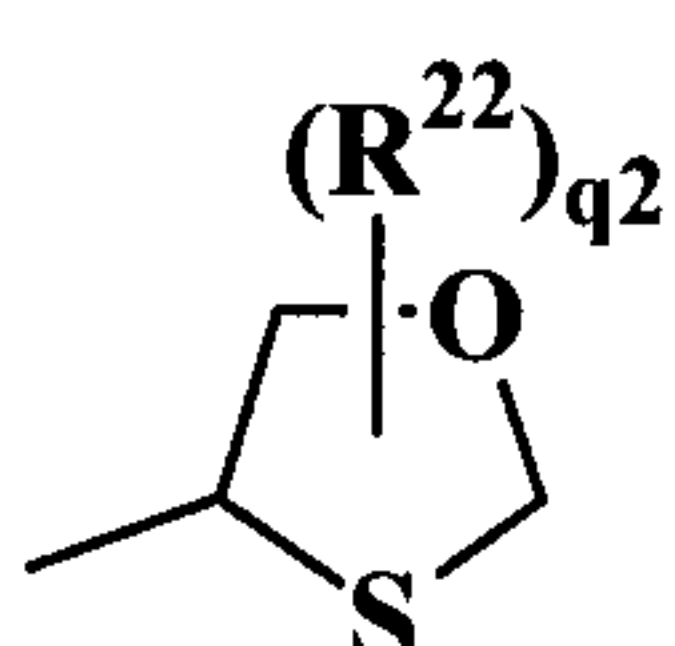
E-10



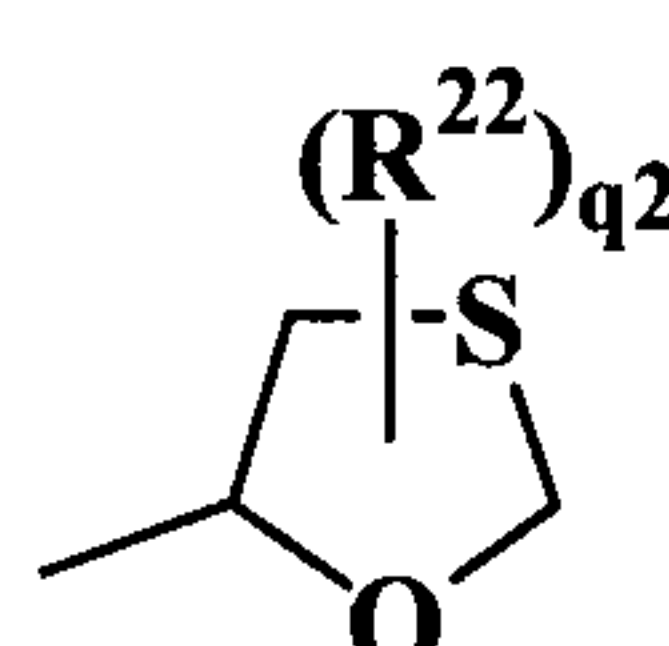
E-11



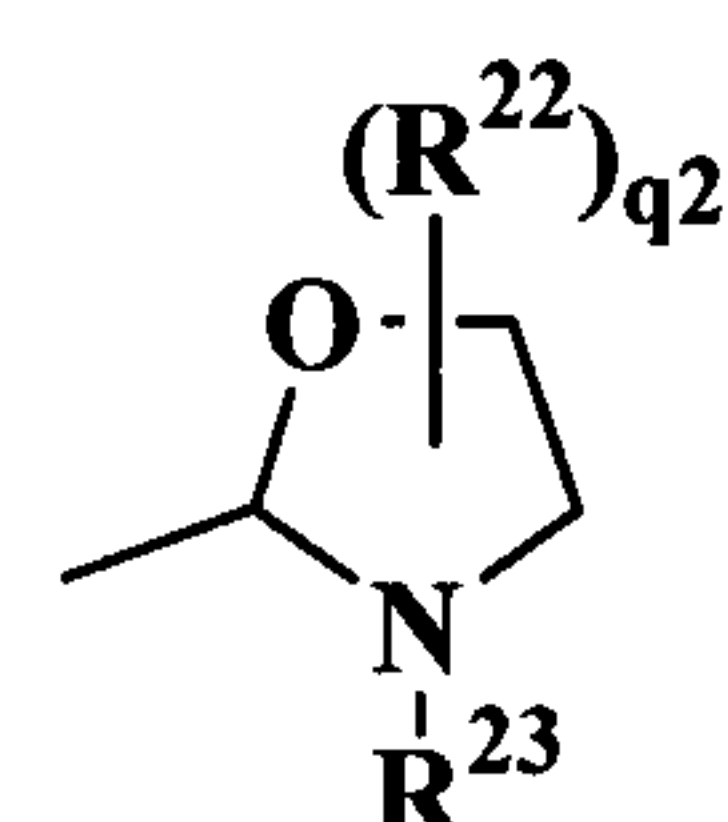
E-12



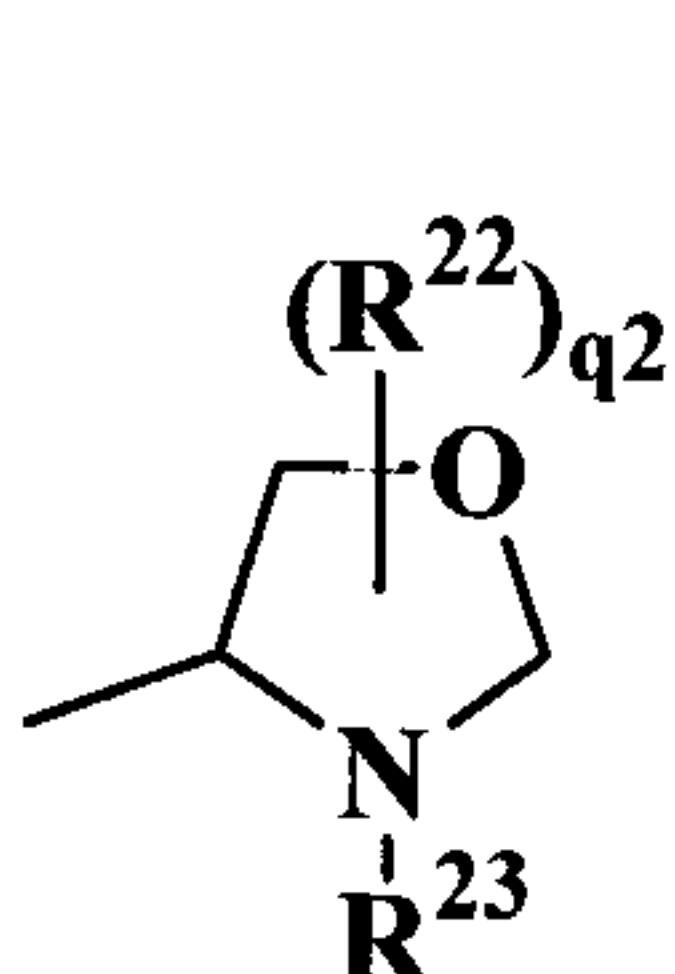
E-13



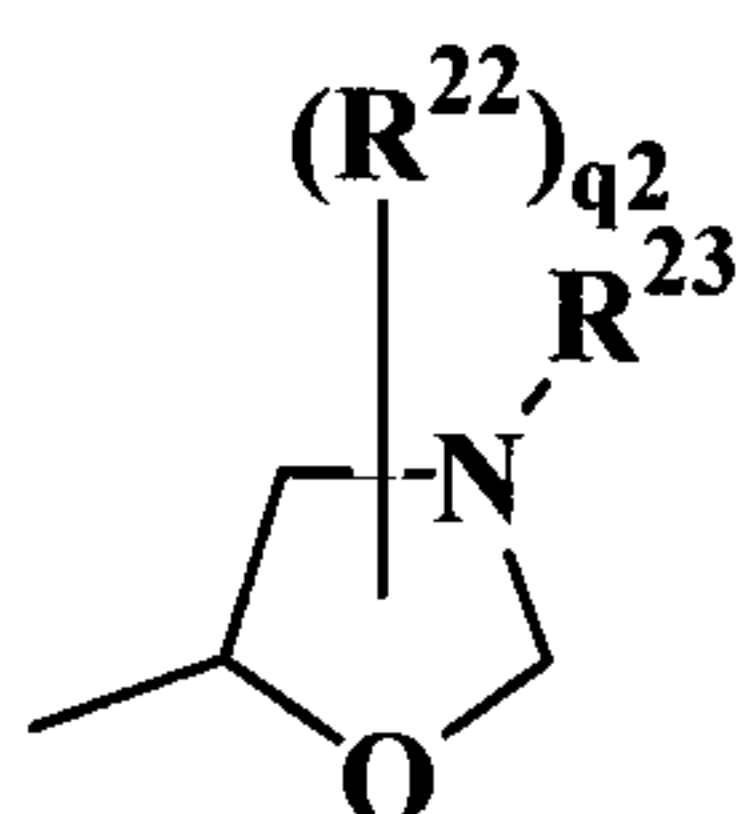
E-14



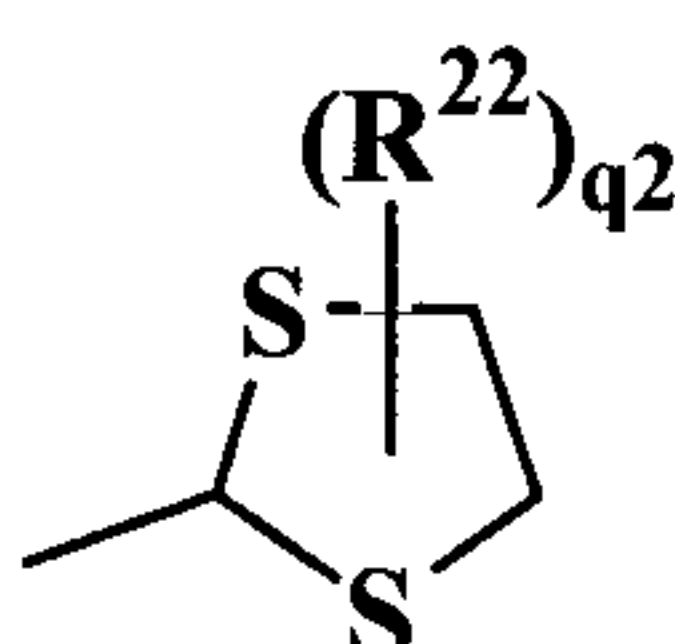
E-15



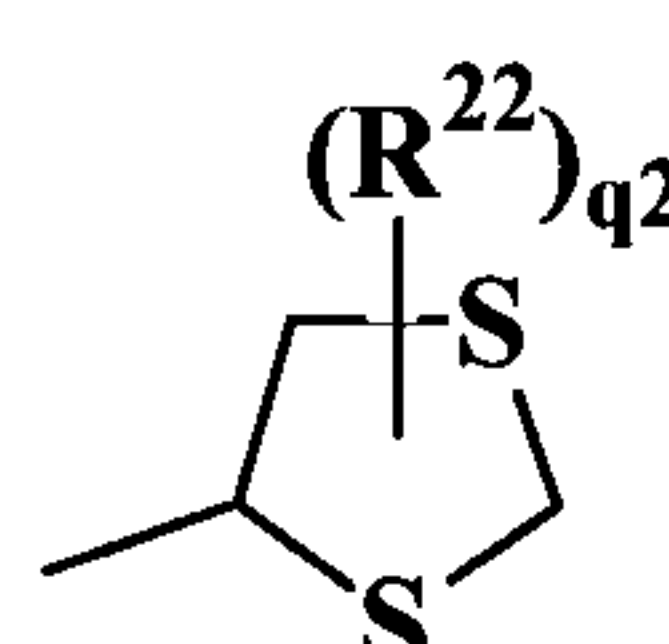
E-16



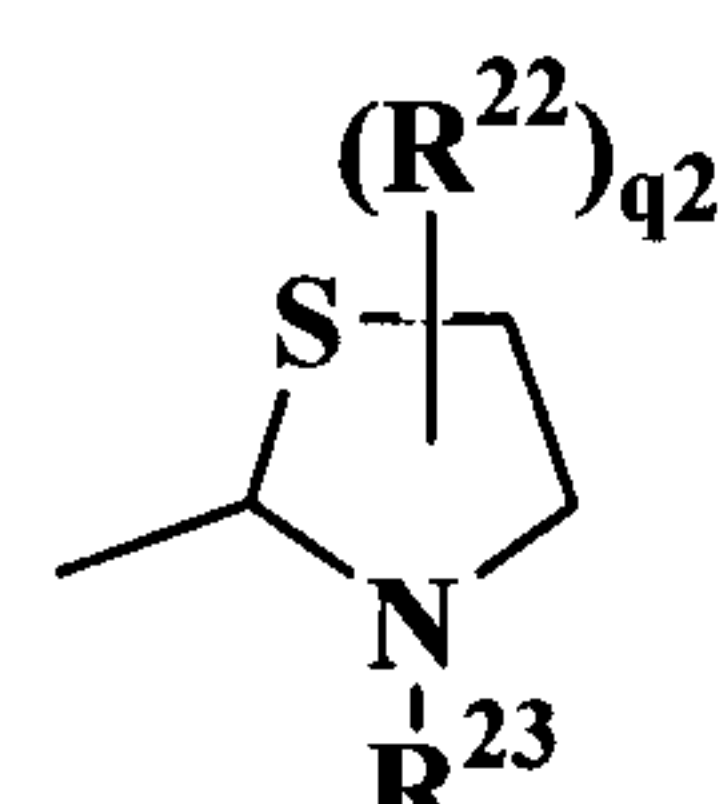
E-17



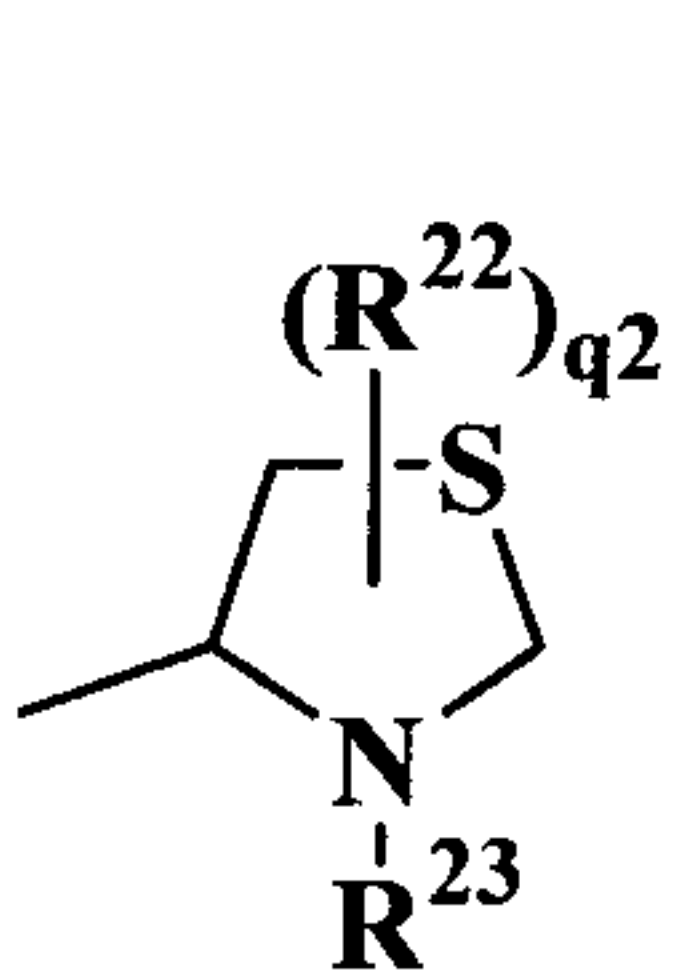
E-18



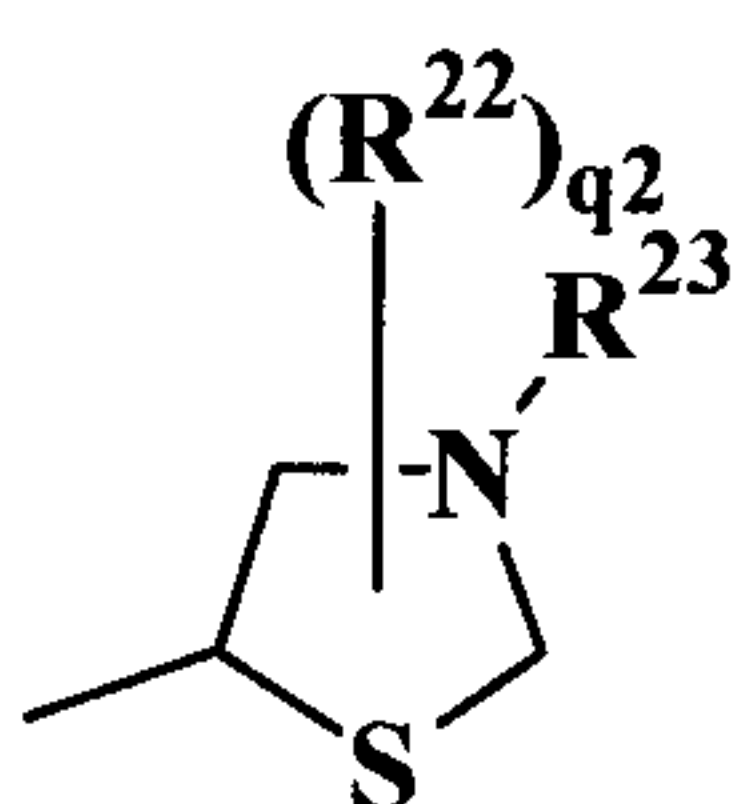
E-19



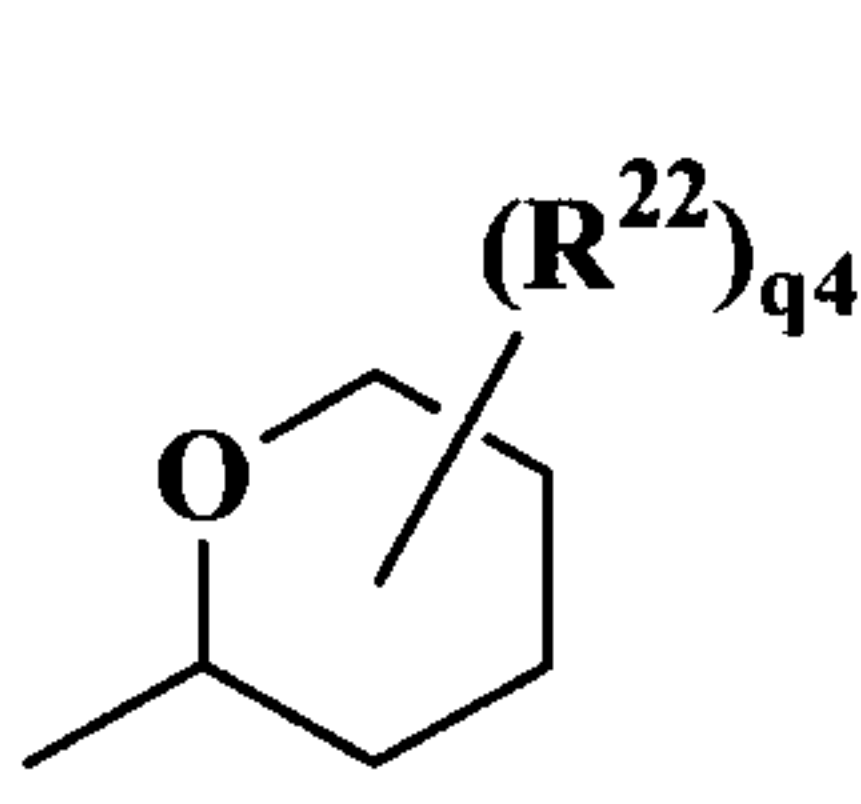
E-20



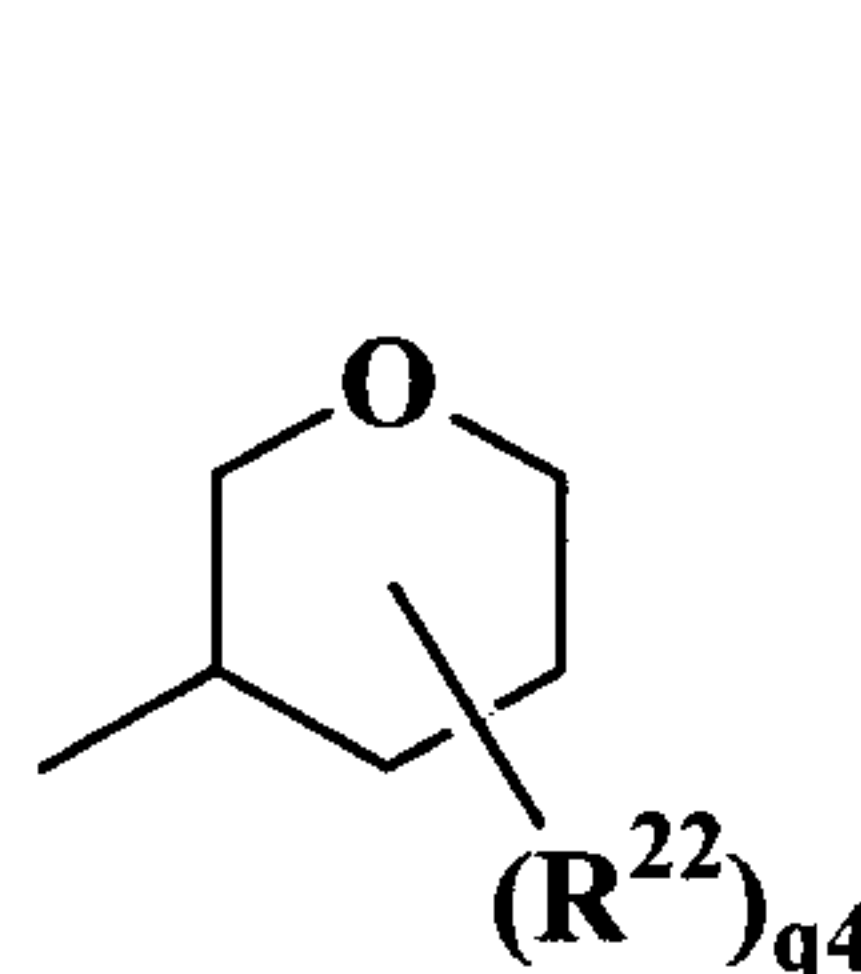
E-21



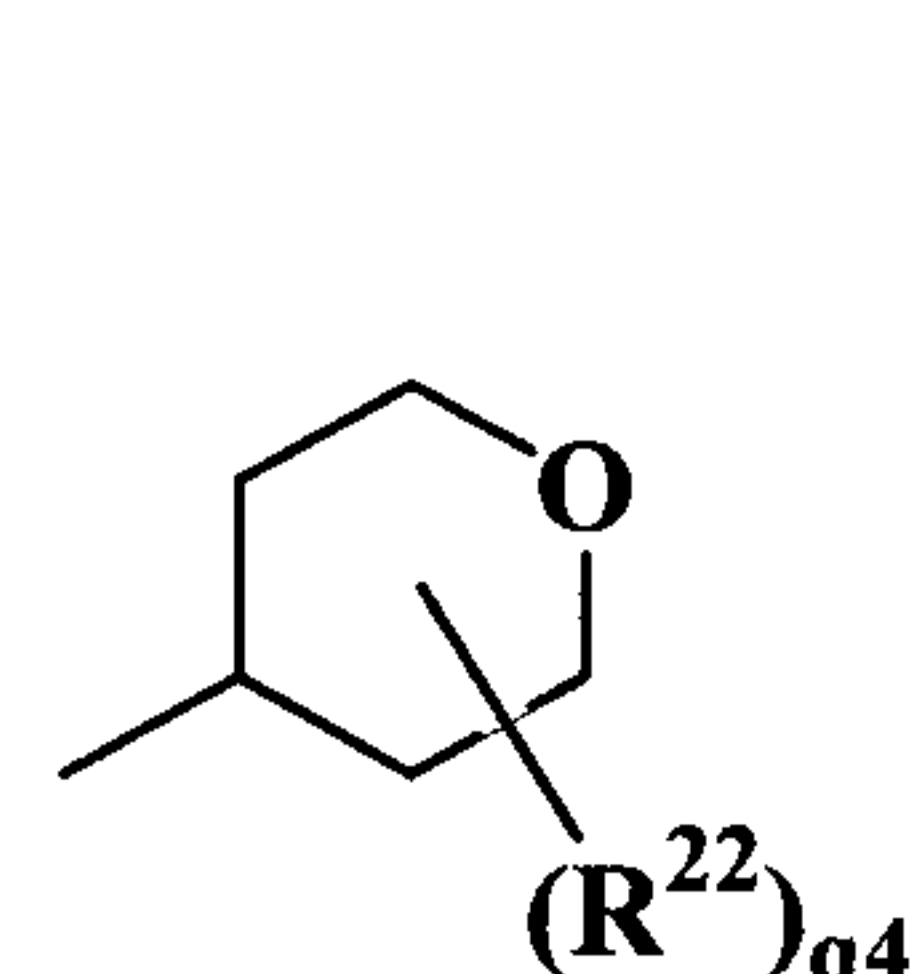
E-22



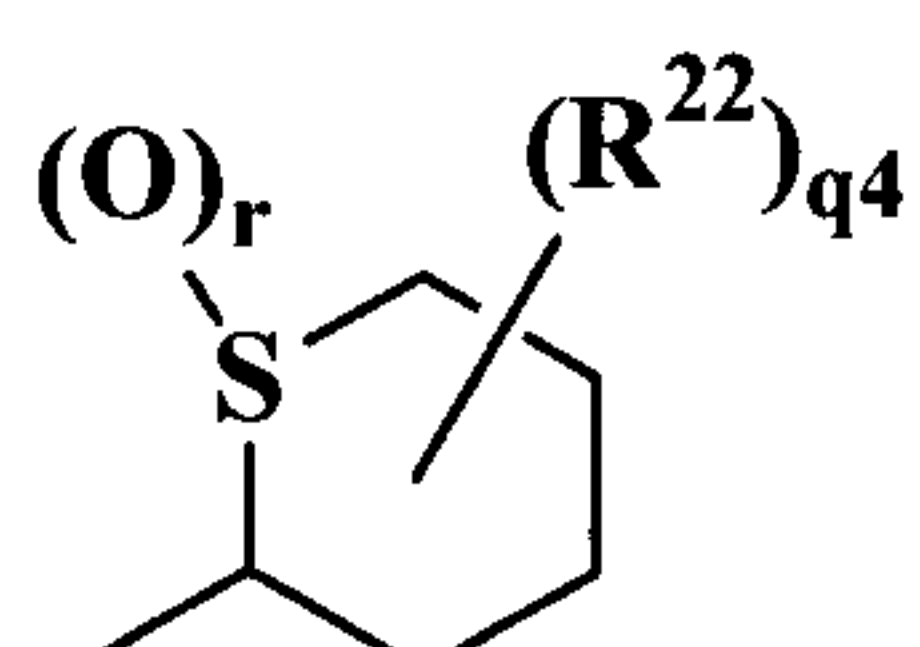
E-23



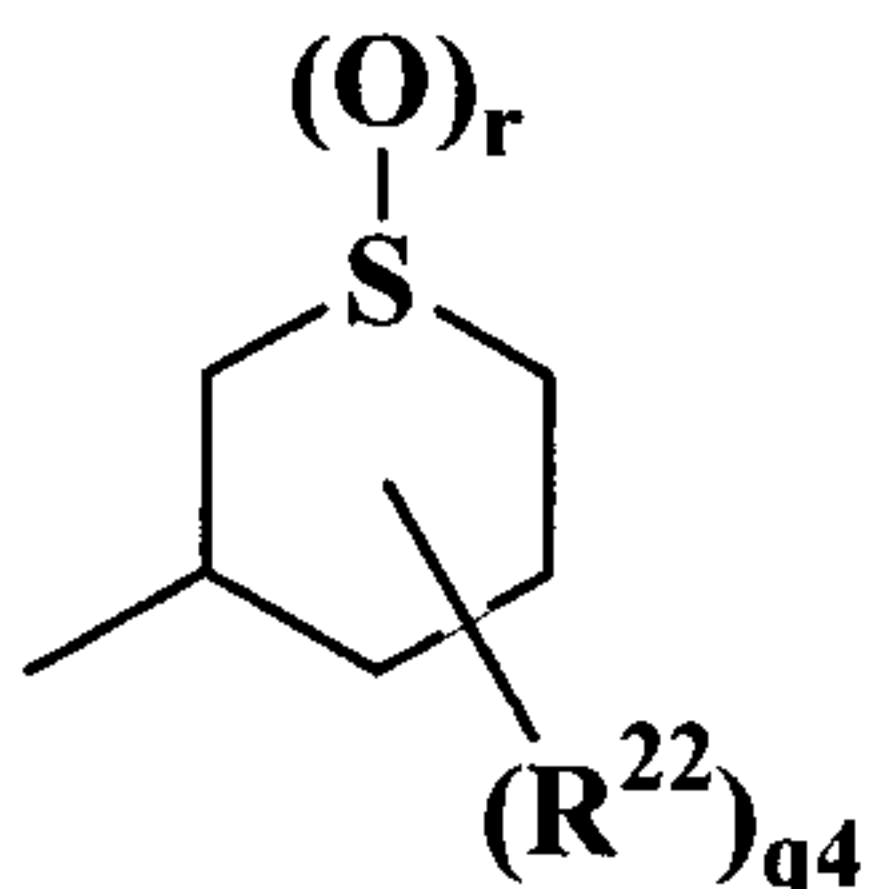
E-24



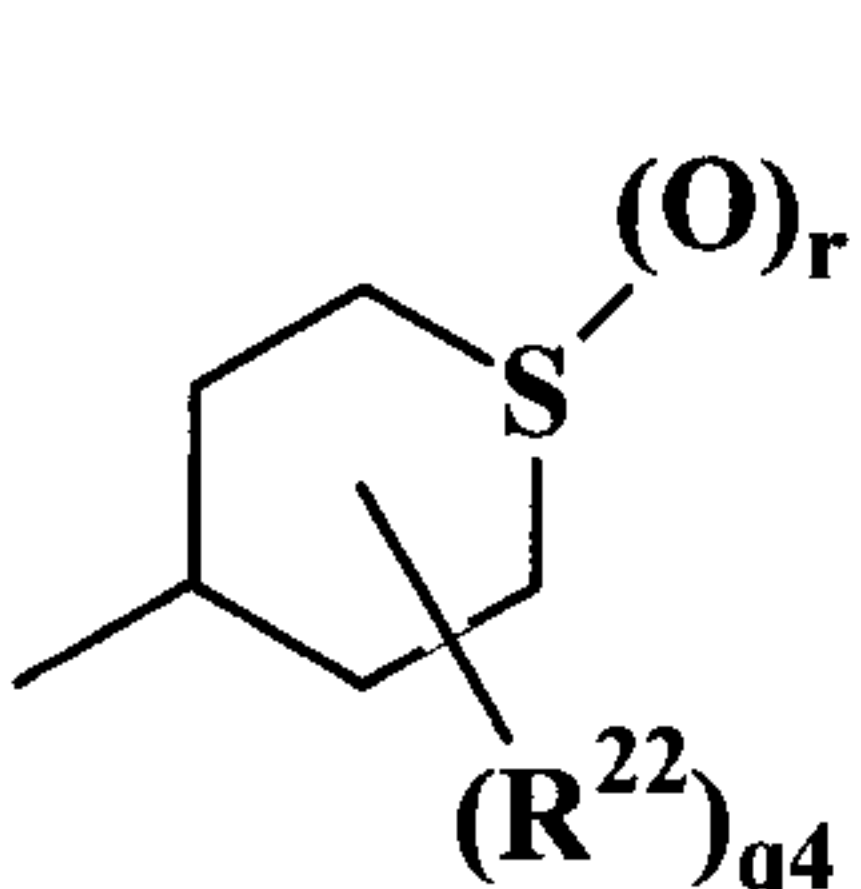
E-25



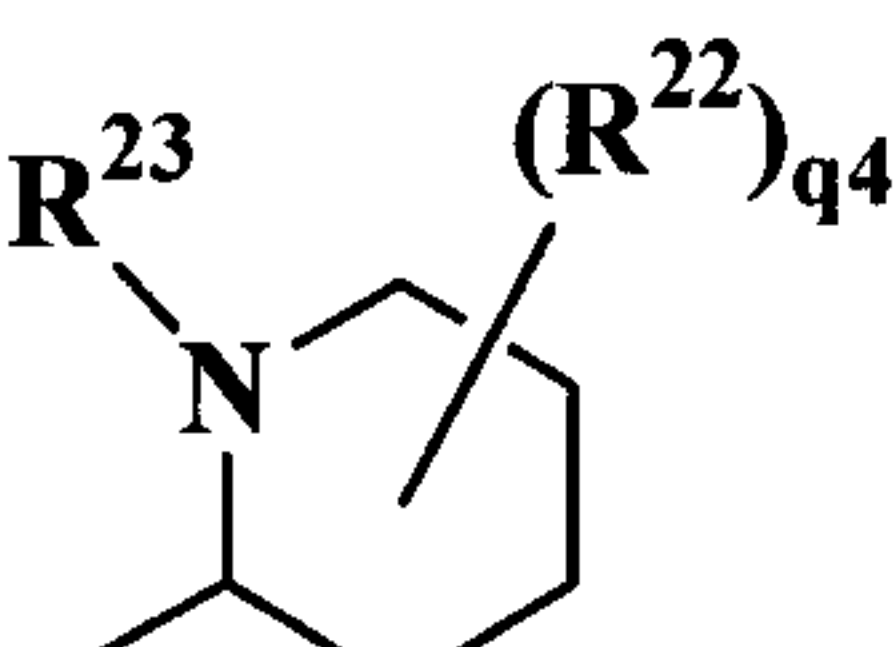
E-26



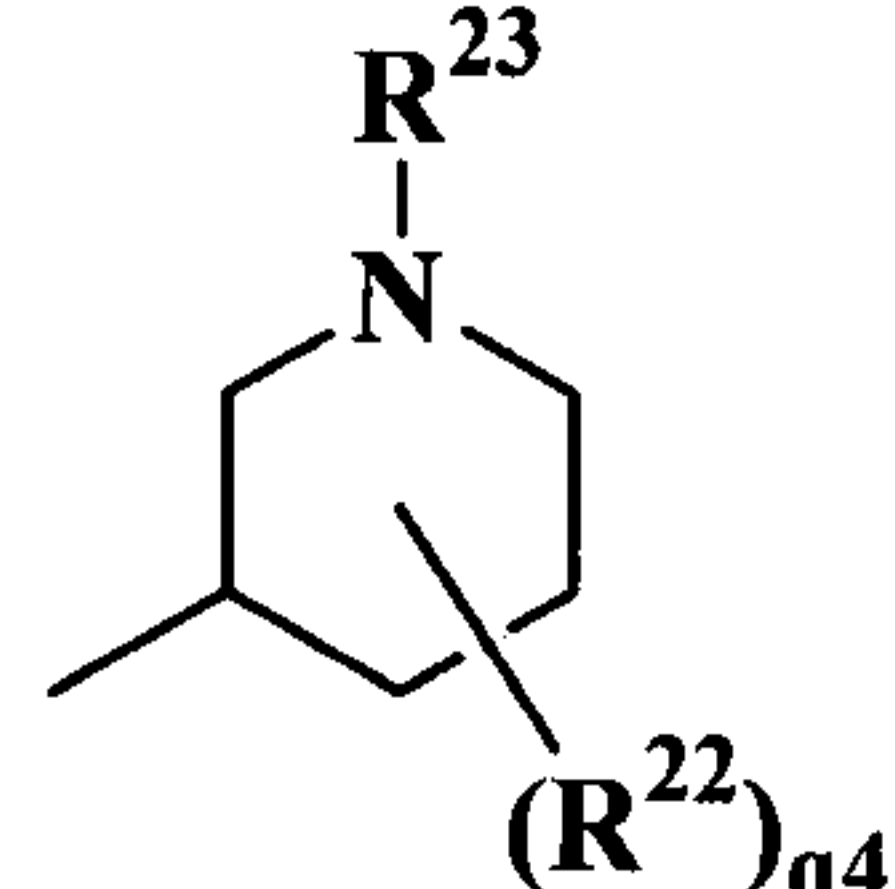
E-27



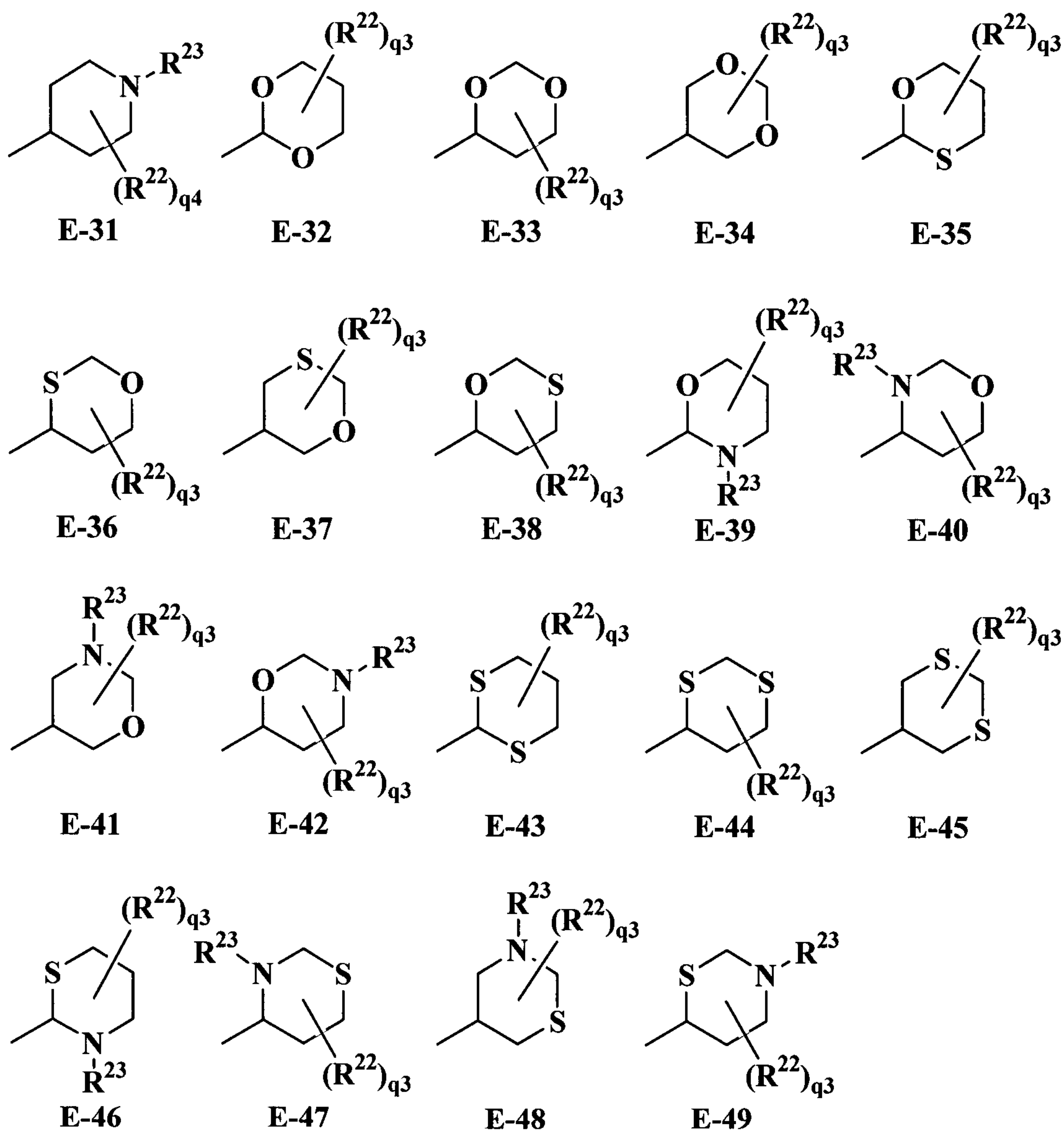
E-28



E-29



E-30



R^4 is halogen atom, cyano, C_3 - C_8 cycloalkyl, C_3 - C_8 halocycloalkyl, $-OH$, $-OR^5$, $-SH$, $-S(O)_rR^5$, $-N(R^{10})R^9$, $-N(R^{10})CHO$, $-N(R^{10})C(O)R^9$, $-N(R^{10})C(O)OR^9$, $-N(R^{10})C(O)SR^9$, $-N(R^{10})C(S)OR^9$, $-N(R^{10})C(S)SR^9$, $-N(R^{10})S(O)_2R^9$, $-C(O)OR^9$, $-C(O)N(R^{10})R^9$, $-Si(R^{13})(R^{14})R^{12}$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-60 or E-1 to E-49, R^5 is C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{24} , C_3 - C_8 cycloalkyl, C_3 - C_8 cycloalkyl arbitrarily substituted with R^{24} , C_2 - C_6 alkenyl, C_2 - C_6 alkenyl arbitrarily substituted with R^{24} , C_3 - C_8 cycloalkenyl, C_3 - C_8 halocycloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 alkynyl arbitrarily substituted with R^{24} , phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-4, D-6 to D-13, D-15 to D-23, D-25 to D-35, D-39, D-40, D-42, D-45 to D-60, E-3 to

E-9, E-23 to E-31, E-34 or E-45,

R^6 is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, phenylthio C_1 - C_4 alkyl, phenylthio C_1 - C_4 alkyl substituted with $(Z)_{p1}$, cyano C_1 - C_6 alkyl, C_1 - C_6 alkoxycarbonyl C_1 - C_4 alkyl, C_1 - C_6 alkylaminocarbonyl C_1 - C_4 alkyl, di(C_1 - C_6 alkyl)aminocarbonyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_1 - C_4 alkyl substituted with any one of D-1 to D-60, C_1 - C_4 alkyl substituted with any one of E-1 to E-49, C_3 - C_6 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 haloalkynyl, -OH, C_1 - C_6 alkylcarbonyloxy, C_1 - C_6 alkylthio, C_1 - C_6 haloalkylthio, phenylthio, phenylthio substituted with $(Z)_{p1}$, -SN(R^{18}) R^{17} , -S(O) $_2R^9$, -S(O) $_2N(R^{10})R^9$, -CHO, -C(O) R^9 , -C(O)OR ^{9} , -C(O)SR ^{9} , -C(O)NHR ^{10} , -C(O)N(R^{10}) R^9 , -C(S)OR ^{9} , -C(S)SR ^{9} , -C(S)NHR ^{10} , -C(S)N(R^{10}) R^9 , -C(O)C(O) R^9 , -C(O)C(O)OR ^{9} , -P(O)(OR ^{21}) $_2$ or -P(S)(OR ^{21}) $_2$,

R^7 is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_8 cycloalkyl C_1 - C_6 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, C_3 - C_8 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 haloalkynyl, -CHO, C_1 - C_6 alkylcarbonyl, C_1 - C_6 haloalkylcarbonyl or C_1 - C_6 alkoxycarbonyl, or R^7 together with R^6 may form 3- to 7-membered ring with the bonding nitrogen atom by forming C_2 - C_6 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom, C_1 - C_6 alkyl or C_1 - C_6 haloalkyl,

R^8 is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 alkenyl, phenyl or phenyl substituted with $(Z)_{p1}$,

R^9 is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, C_1 - C_6 alkoxy C_1 - C_4 alkyl, C_1 - C_6 haloalkoxy C_1 - C_4 alkyl, C_1 - C_6 alkylthio C_1 - C_4 alkyl, C_1 - C_6 haloalkylthio C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_1 - C_4 alkyl substituted with any one of D-1 to D-60, C_1 - C_4 alkyl substituted with any one of E-1 to E-49, C_3 - C_8 cycloalkyl, C_3 - C_8 halocycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 haloalkynyl, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-60 or E-1 to E-49,

R^{10} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, C_1 - C_6 alkoxy C_1 - C_4 alkyl, C_1 - C_6 alkylthio C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, C_3 - C_6 alkenyl or C_3 - C_6 alkynyl, R^{10} together with R^9 may form 3- to 7-membered ring with the atom bonding them by forming C_2 - C_6 alkylene chain, in this case, the alkylene chain may

contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom, C₁-C₆alkyl, C₁-C₆alkoxy, formyl, C₁-C₆alkylcarbonyl or C₁-C₆alkoxycarbonyl,

R¹¹ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, phenyl or phenyl that may be substituted with (Z)_{p1}, R¹¹ together with R⁹ may form 5- to 7-membered ring with the atom bonding them by forming C₂-C₄alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom or C₁-C₆alkyl,

R¹² is C₁-C₆alkyl, C₁-C₆haloalkyl, phenyl or phenyl substituted with (Z)_{p1},

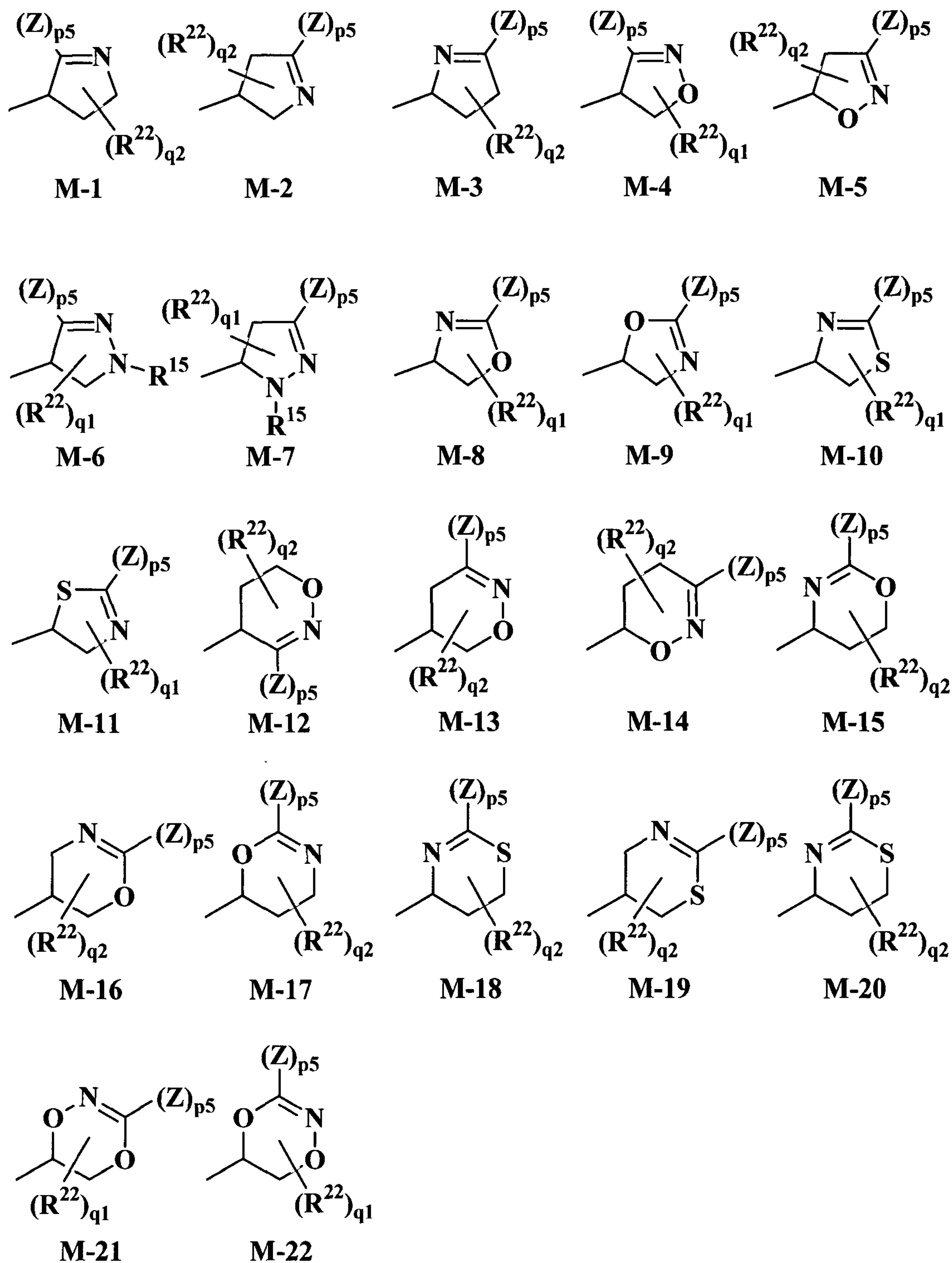
R¹³ and R¹⁴ independently of each other are C₁-C₆alkyl or C₁-C₆haloalkyl,

R¹⁵ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxycarbonyl C₁-C₄alkyl, C₁-C₆haloalkoxycarbonyl C₁-C₄alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, C₁-C₆alkoxy, C₁-C₆alkoxycarbonyl, C₁-C₆haloalkoxycarbonyl, phenyl or phenyl substituted with (Z)_{p1},

further, in case where Z is present in an adjacent position of R¹⁵, the adjacent R¹⁵ and Z may form 6-membered ring together with the atom bonding them by forming -CH₂CH₂CH₂CH₂-, -CH=CH-CH=CH-, -N=CH-CH=CH-, -CH=N-CH=CH-, -CH=CH-N=CH- or -CH=CH-CH=N-, in this case, hydrogen atoms bonded to each carbon atom forming the ring may be arbitrarily substituted with halogen atom, C₁-C₄alkyl or C₁-C₄haloalkyl,

R¹⁶ is halogen atom, cyano, nitro, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, -OR²⁵, -N(R²⁶)R²⁵, -SH, -S(O)_rR²⁷, -SO₂NHR²⁹, -SO₂N(R²⁹)R²⁸, -CHO, -C(O)R²⁸, -C(O)OH, -C(O)OR²⁸, -C(O)SR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, -C(O)C(O)OR²⁸, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, -C(=NR³¹)OR³⁰, -C(=NR³¹)SR³⁰, -C(=NR³¹)N(R²⁹)R³⁰, -C(=NOR³¹)NHR²⁹, -C(=NOR³¹)N(R²⁹)R³⁰, -Si(R¹³)(R¹⁴)R¹², -P(O)(OR²¹)₂, -P(S)(OR²¹)₂, -P(phenyl)₂, -P(O)(phenyl)₂, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60, E-1 to E-49 or M-1 to M-22,

M-1 to M-22 are partially saturated heterocyclic rings of the following formulae, respectively



R¹⁷ is C₁-C₁₂alkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy C₁-C₁₂alkyl, cyano C₁-C₁₂alkyl, C₁-C₁₂alkoxycarbonyl C₁-C₁₂alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₁₂alkenyl, C₃-C₁₂haloalkenyl, C₃-C₁₂alkynyl, C₃-C₁₂haloalkynyl,

C_1 - C_{12} alkylcarbonyl, C_1 - C_{12} alkoxycarbonyl, $-C(O)ON=C(CH_3)SCH_3$,
 $-C(O)ON=C(SCH_3)C(O)N(CH_3)_2$, phenyl or phenyl substituted with $(Z)_{p1}$,
 R^{18} is C_1 - C_{12} alkyl, C_1 - C_{12} haloalkyl, C_1 - C_{12} alkoxy C_1 - C_{12} alkyl, cyano C_1 - C_{12} alkyl,
 C_1 - C_{12} alkoxycarbonyl C_1 - C_{12} alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with
 $(Z)_{p1}$, C_3 - C_{12} alkenyl, C_3 - C_{12} haloalkenyl, C_3 - C_{12} alkynyl, C_3 - C_{12} haloalkynyl, phenyl or
phenyl substituted with $(Z)_{p1}$, or R^{18} together with R^{17} may form 5- to 8-membered ring
with the nitrogen atom bonding them by forming C_4 - C_7 alkylene chain, in this case, the
alkylene chain may contain one oxygen atom or sulfur atom, and may be arbitrarily
substituted with C_1 - C_4 alkyl or C_1 - C_4 alkoxy,
 R^{19} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{16} ,
 C_3 - C_8 cycloalkyl, C_3 - C_8 halocycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl,
 C_3 - C_6 haloalkynyl, $-CHO$, $-C(O)R^{28}$, $-C(O)OR^{28}$, $-C(O)SR^{28}$, $-C(O)NHR^{29}$,
 $-C(O)N(R^{29})R^{28}$, $-C(S)NHR^{29}$, $-C(S)N(R^{29})R^{28}$, $-S(O)_2R^{28}$, $-S(O)_2NHR^{29}$,
 $-S(O)_2N(R^{29})R^{28}$, $-P(O)(OR^{21})_2$, $-P(S)(OR^{21})_2$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1
to D-13, D-15 to D-25, D-30 to D-37, D-39, D-40, D-42, D-45 to D-60, E-5, E-7, E-9,
E-24, E-25, E-27, E-28, E-30 or E-31,
 R^{19a} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl,
 C_1 - C_4 alkylsulfonyl C_1 - C_4 alkyl, C_1 - C_4 alkoxycarbonyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl,
phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_3 - C_6 cycloalkyl, phenyl, phenyl substituted
with $(Z)_{p1}$, D-1 to D-60 or E-1 to E-49,
 R^{19b} is hydrogen atom or C_1 - C_6 alkyl, or R^{19a} together with R^{19b} may form 4- to
6-membered ring with the carbon atom bonding them by forming C_3 - C_5 alkylene chain,
in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen
atom, and may be arbitrarily substituted with C_1 - C_6 alkyl, formyl, C_1 - C_6 alkylcarbonyl or
 C_1 - C_6 alkoxycarbonyl,
 R^{20} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl,
 C_1 - C_4 haloalkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, C_1 - C_4 haloalkylthio C_1 - C_4 alkyl,
 C_1 - C_4 alkylsulfonyl C_1 - C_4 alkyl, C_1 - C_4 haloalkylsulfonyl C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl,
 C_1 - C_4 alkoxycarbonyl C_1 - C_4 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 haloalkenyl, C_3 - C_6 alkynyl,
 C_3 - C_6 haloalkynyl, $-CHO$, $-C(O)R^9$, $-C(O)OR^9$, $-C(O)SR^9$, $-C(S)OR^9$, $-C(S)SR^9$,
 C_1 - C_6 alkylsulfonyl or C_1 - C_6 haloalkylsulfonyl,
 R^{21} is C_1 - C_6 alkyl or C_1 - C_6 haloalkyl,

R^{22} is halogen atom, cyano, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, hydroxy C_1 - C_6 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkoxycarbonyl C_1 - C_4 alkyl, C_1 - C_6 alkoxy, C_1 - C_6 alkylthio, C_1 - C_6 alkylamino, di(C_1 - C_4 alkyl)amino, C_1 - C_6 alkoxycarbonyl, phenyl or phenyl substituted with $(Z)_{p1}$, when $q1$, $q2$, $q3$ or $q4$ is an integer of 2 or more, each R^{22} may be identical with or different from each other, further in case where two R^{22} s are present on the same carbon atom, the two R^{22} s together may form oxo, thioxo, imino, C_1 - C_6 alkylimino, C_1 - C_6 alkoxyimino or C_1 - C_6 alkylidene,

R^{23} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 alkyl substituted with R^{32} , C_3 - C_6 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, -OH, benzyloxy, -CHO, $-C(O)R^{33}$, $-C(O)OR^{33}$, $-C(O)SR^{33}$, $-C(O)NHR^{34}$, $-C(O)N(R^{34})R^{33}$, $-C(S)NHR^{34}$, $-C(S)N(R^{34})R^{33}$, $-S(O)_2R^{33}$, $-P(O)(OR^{21})_2$, $-P(S)(OR^{21})_2$, phenyl, phenyl substituted with $(Z)_{p1}$ or D-5,

R^{24} is halogen atom, cyano, C_3 - C_8 cycloalkyl, C_3 - C_8 halocycloalkyl, C_1 - C_6 alkoxy, C_1 - C_6 haloalkoxy, C_1 - C_6 alkylthio, C_1 - C_6 haloalkylthio, C_1 - C_6 alkylsulfonyl, C_1 - C_6 haloalkylsulfonyl, C_1 - C_6 alkylamino, di(C_1 - C_6 alkyl)amino, -CHO, C_1 - C_6 alkylcarbonyl, C_1 - C_6 haloalkylcarbonyl, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 haloalkoxycarbonyl, $-CH=NOR^{11}$,

$-C(R^9)=NOR^{11}$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-60 or E-1 to E-49,

R^{25} is hydrogen atom, C_1 - C_8 alkyl, C_1 - C_8 alkyl arbitrarily substituted with R^{32} , C_3 - C_8 cycloalkyl, C_3 - C_8 cycloalkyl arbitrarily substituted with R^{32} , C_3 - C_8 alkenyl, C_3 - C_8 alkenyl arbitrarily substituted with R^{32} , C_3 - C_8 alkynyl, C_3 - C_8 alkynyl arbitrarily substituted with R^{32} , -CHO, $-C(O)R^{33}$, $-C(O)OR^{33}$, $-C(O)SR^{33}$, $-C(O)NHR^{34}$, $-C(O)N(R^{34})R^{33}$, $-C(O)C(O)R^{33}$, $-C(O)C(O)OR^{33}$, $-C(S)R^{33}$, $-C(S)OR^{33}$, $-C(S)SR^{33}$, $-C(S)NHR^{34}$, $-C(S)N(R^{34})R^{33}$, $-S(O)_2R^{33}$, $-S(O)_2N(R^{34})R^{33}$, $-Si(R^{13})(R^{14})R^{12}$, $-P(O)(OR^{21})_2$, $-P(S)(OR^{21})_2$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-4, D-6 to D-13, D-15 to D-23, D-25 to D-37, D-39, D-40, D-42, D-45 to D-60, E-3 to E-9, E-23 to E-31, E-34 or E-45,

R^{26} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, C_3 - C_6 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl or C_1 - C_6 alkoxy, or R^{26} together with R^{25} may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C_2 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be substituted with halogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 alkoxy, phenyl, phenyl substituted with $(Z)_{p1}$, oxo or

thioxo,

R^{27} is C_1 - C_8 alkyl, C_1 - C_8 alkyl arbitrarily substituted with R^{32} , C_3 - C_8 cycloalkyl, C_3 - C_8 cycloalkyl arbitrarily substituted with R^{32} , C_3 - C_8 alkenyl, C_3 - C_8 alkenyl arbitrarily substituted with R^{32} , C_3 - C_8 alkynyl, C_3 - C_8 alkynyl arbitrarily substituted with R^{32} , -SH, C_1 - C_6 alkylthio, C_1 - C_6 haloalkylthio, phenylthio, phenylthio substituted with $(Z)_{p1}$, -CHO, -C(O) R^{33} , -C(O)OR³³, -C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R³⁴) R^{33} , -C(O)C(O) R^{33} , -C(O)C(O)OR³³, -C(S) R^{33} , -C(S)OR³³, -C(S)SR³³, -C(S)NHR³⁴, -C(S)N(R³⁴) R^{33} , -P(O)(OR²¹)₂, -P(S)(OR²¹)₂, phenyl, phenyl substituted with $(Z)_{p1}$, D-18, D-21, D-25, D-30 to D-35, D-47, D-50, D-51, E-3 to E-9, E-23 to E-31, E-34 or E-45,

R^{28} is C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{32} , C_3 - C_8 cycloalkyl, C_3 - C_8 cycloalkyl arbitrarily substituted with R^{32} , C_2 - C_6 alkenyl C_3 - C_8 cycloalkyl, C_2 - C_6 haloalkenyl C_3 - C_8 cycloalkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkenyl arbitrarily substituted with R^{32} , C_2 - C_8 alkynyl, C_2 - C_8 alkynyl arbitrarily substituted with R^{32} , phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-60 or E-1 to E-49,

R^{29} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{32} , C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 haloalkynyl, phenyl or phenyl substituted with $(Z)_{p1}$, or R^{29} together with R^{28} may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C_2 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, formyl, C_1 - C_6 alkylcarbonyl, C_1 - C_6 alkoxycarbonyl, phenyl or phenyl substituted with $(Z)_{p1}$,

R^{30} is C_1 - C_8 alkyl, C_1 - C_8 alkyl arbitrarily substituted with R^{32} , C_3 - C_8 cycloalkyl, C_3 - C_8 alkenyl, C_3 - C_8 alkenyl arbitrarily substituted with R^{32} , C_3 - C_8 alkynyl, C_3 - C_8 alkynyl arbitrarily substituted with R^{32} ,

R^{31} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, C_1 - C_6 alkoxy C_1 - C_4 alkyl, C_1 - C_6 haloalkoxy C_1 - C_4 alkyl, C_1 - C_6 alkylthio C_1 - C_4 alkyl, C_1 - C_6 haloalkylthio C_1 - C_4 alkyl, C_1 - C_6 alkylsulfonyl C_1 - C_4 alkyl, C_1 - C_6 haloalkylsulfonyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_3 - C_6 cycloalkyl, phenyl or phenyl substituted with $(Z)_{p1}$, or R^{31} together with R^{30} may form 5- to 7-membered ring with the atom bonding them by forming C_2 - C_4 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom or C_1 - C_6 alkyl,

R^{32} is halogen atom, cyano, nitro, C_3 - C_8 cycloalkyl, C_3 - C_8 halocycloalkyl, -OH, $-OR^{33}$, $-OC(O)R^{33}$, $-OC(O)OR^{33}$, $-OC(O)NHR^{33}$, $-OC(O)N(R^{34})R^{33}$, $-OC(S)NHR^{33}$, $-OC(S)N(R^{34})R^{33}$, -SH, $-S(O)_rR^{33}$, $-SC(O)R^{33}$, $-SC(O)OR^{33}$, $-SC(O)NHR^{33}$, $-SC(O)N(R^{34})R^{33}$, $-SC(S)NHR^{33}$, $-SC(S)N(R^{34})R^{33}$, $-NHR^{34}$, $-N(R^{34})R^{33}$, $-N(R^{34})CHO$, $-N(R^{34})C(O)R^{33}$, $-N(R^{34})C(O)OR^{33}$, $-N(R^{34})C(O)NHR^{33}$, $-N(R^{34})C(O)N(R^{34})R^{33}$, $-N(R^{34})C(S)NHR^{33}$, $-N(R^{34})C(S)N(R^{34})R^{33}$, -CHO, $-C(O)R^{33}$, $-C(O)OR^{33}$, $-C(O)SR^{33}$, $-C(O)NHR^{34}$, $-C(O)N(R^{34})R^{33}$, $-C(O)C(O)OR^{33}$, $-CH=NOR^{11}$, $-C(R^9)=NOR^{11}$, $-Si(R^{13})(R^{14})R^{12}$, $-P(O)(OR^{21})_2$, $-P(S)(OR^{21})_2$, $-P(phenyl)_2$, $-P(O)(phenyl)_2$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-60 or E-1 to E-49,

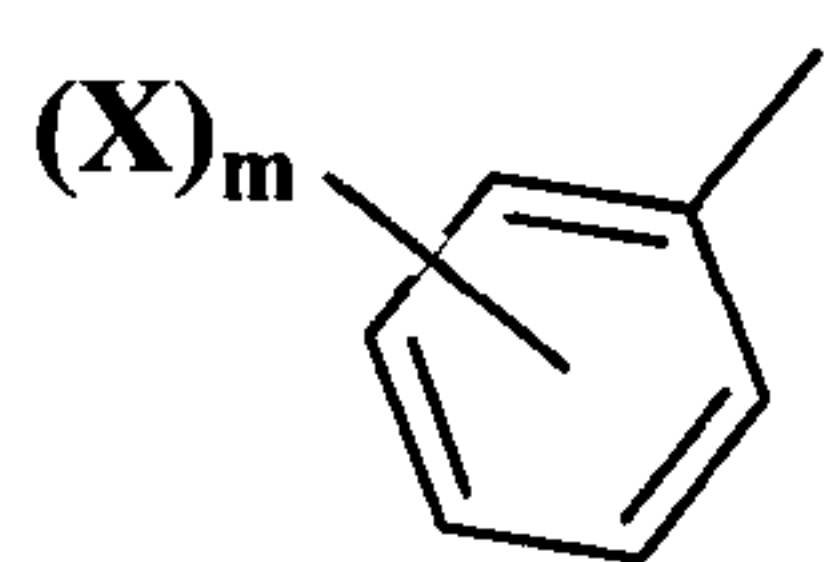
R^{33} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, C_3 - C_6 halocycloalkyl C_1 - C_4 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 haloalkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, C_1 - C_4 haloalkylthio C_1 - C_4 alkyl, C_1 - C_4 alkylsulfonyl C_1 - C_4 alkyl, C_1 - C_4 haloalkylsulfonyl C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, C_1 - C_6 alkylcarbonyl C_1 - C_4 alkyl, C_1 - C_6 haloalkylcarbonyl C_1 - C_4 alkyl, C_1 - C_6 alkoxycarbonyl C_1 - C_4 alkyl, di(C_1 - C_6 alkyl)aminocarbonyl C_1 - C_4 alkyl, tri(C_1 - C_4 alkyl)silyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_1 - C_4 alkyl substituted with any one of D-1 to D-60, C_1 - C_4 alkyl substituted with any one of E-1 to E-49, C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_2 - C_6 alkenyl C_3 - C_8 cycloalkyl, C_2 - C_6 haloalkenyl C_3 - C_8 cycloalkyl, C_2 - C_8 alkenyl, C_2 - C_8 haloalkenyl, C_3 - C_8 cycloalkenyl, C_3 - C_8 halocycloalkenyl, C_2 - C_8 alkynyl, C_2 - C_8 haloalkynyl, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-60 or E-1 to E-49,

R^{34} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_8 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, C_1 - C_6 alkylcarbonyl, C_1 - C_6 haloalkylcarbonyl, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 haloalkoxycarbonyl, phenoxycarbonyl, phenoxycarbonyl substituted with $(Z)_{p1}$, phenylcarbonyl, phenylcarbonyl substituted with $(Z)_{p1}$, C_1 - C_6 alkylsulfonyl, C_1 - C_6 haloalkylsulfonyl, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-4, D-6 to D-13, D-15 to D-23, D-25 to D-37, D-39, D-40, D-42, D-45 to D-60, E-3 to E-9, E-23 to E-31, E-34 or E-45, or R^{34} together with R^{33} may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C_2 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with halogen atom, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, formyl, C_1 - C_6 alkylcarbonyl, C_1 - C_6 alkoxycarbonyl, phenyl or phenyl substituted with $(Z)_{p1}$,

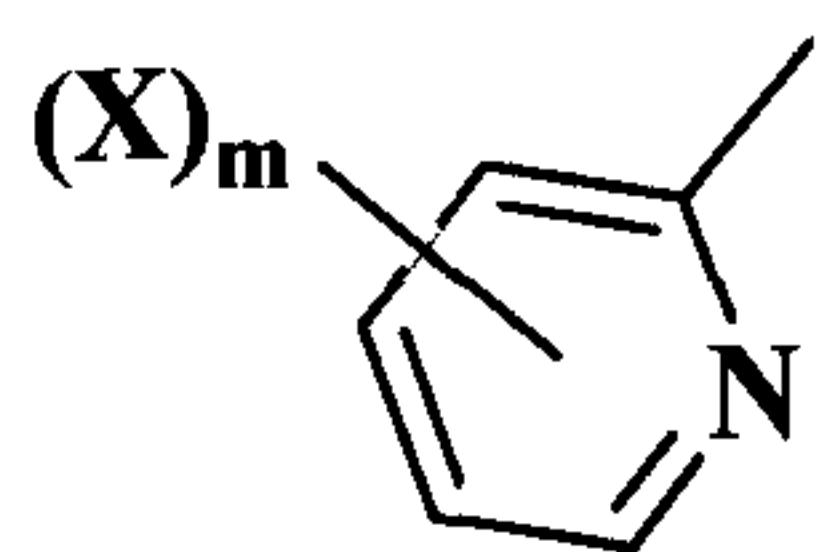
m is an integer of 0 to 5,
n is an integer of 0 to 4,
p1 is an integer of 1 to 5,
p2 is an integer of 0 to 4,
p3 is an integer of 0 to 3,
p4 is an integer of 0 to 2,
p5 is an integer of 0 or 1,
q1 is an integer of 0 to 3,
q2 is an integer of 0 to 5,
q3 is an integer of 0 to 7,
q4 is an integer of 0 to 9,
r is an integer of 0 to 2, and
t is an integer of 0 or 1.

2. The isoxazoline-substituted benzamide compound or the salt thereof according to claim 1, wherein

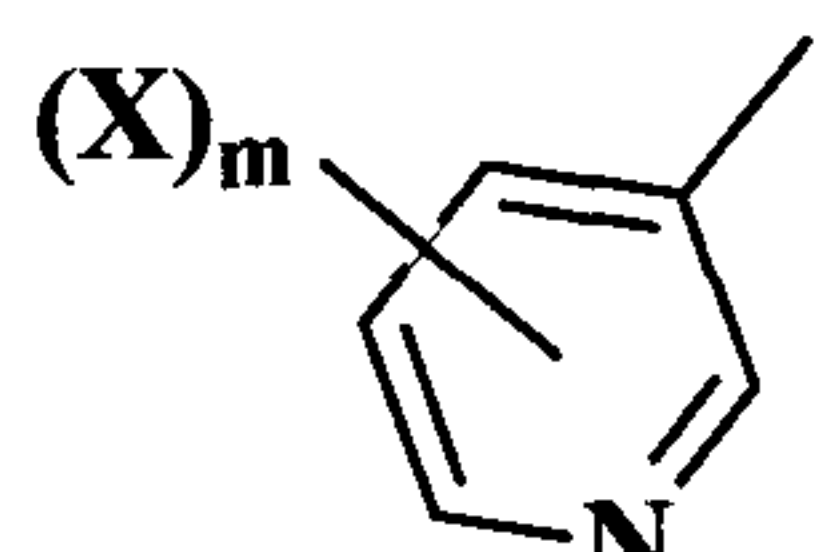
G is an aromatic 6-membered ring shown in any one of G-1 to G-10 or an aromatic 5-membered ring shown in any one of G-11 to G-25



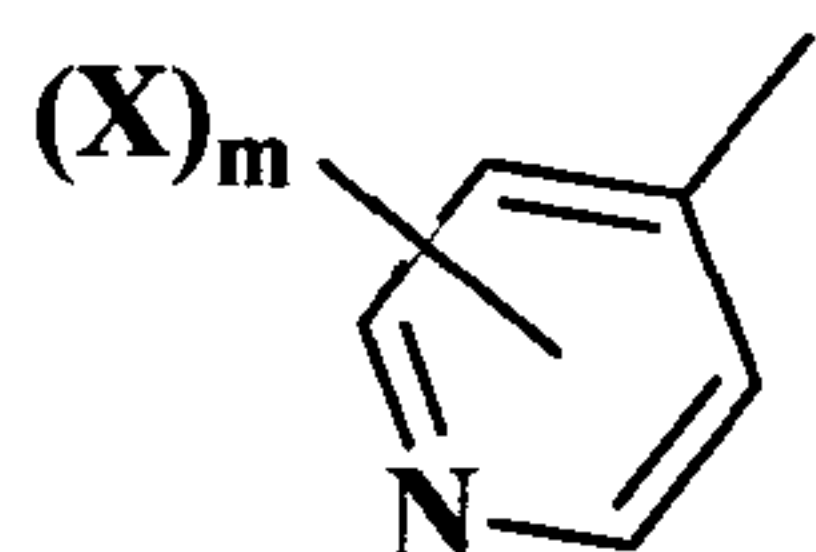
G - 1



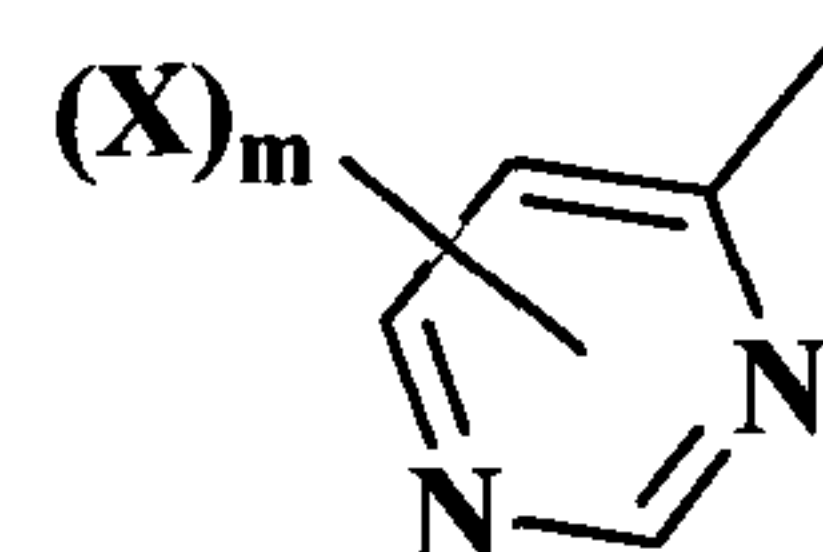
G - 2



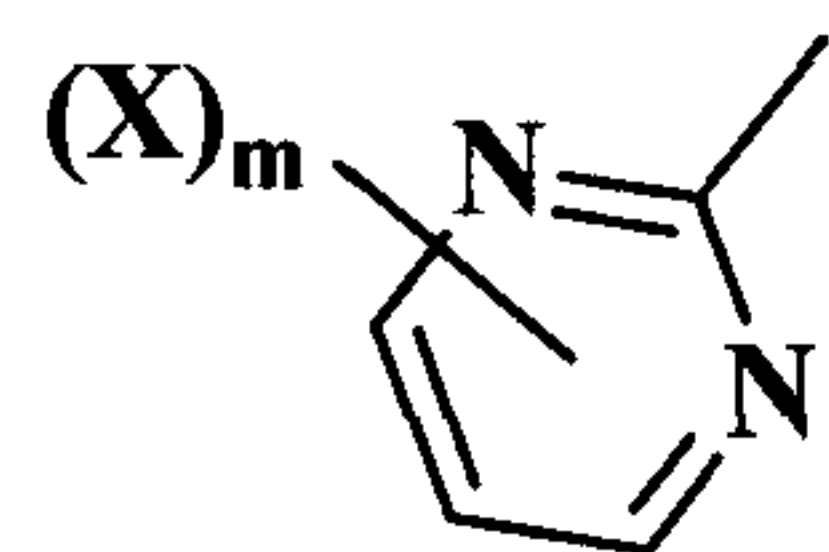
G - 3



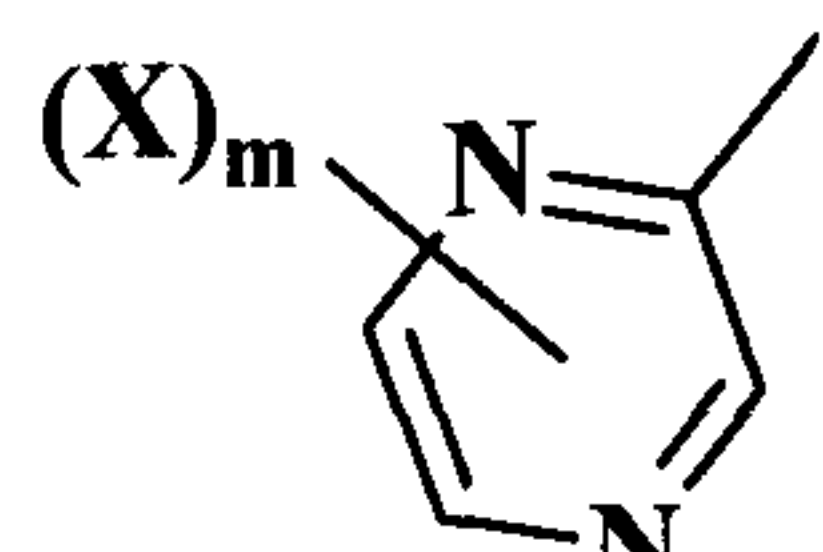
G - 4



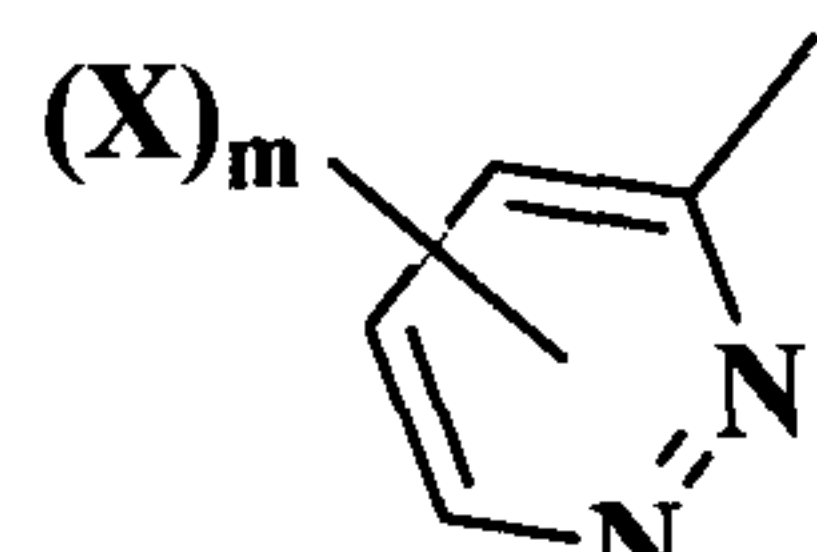
G - 5



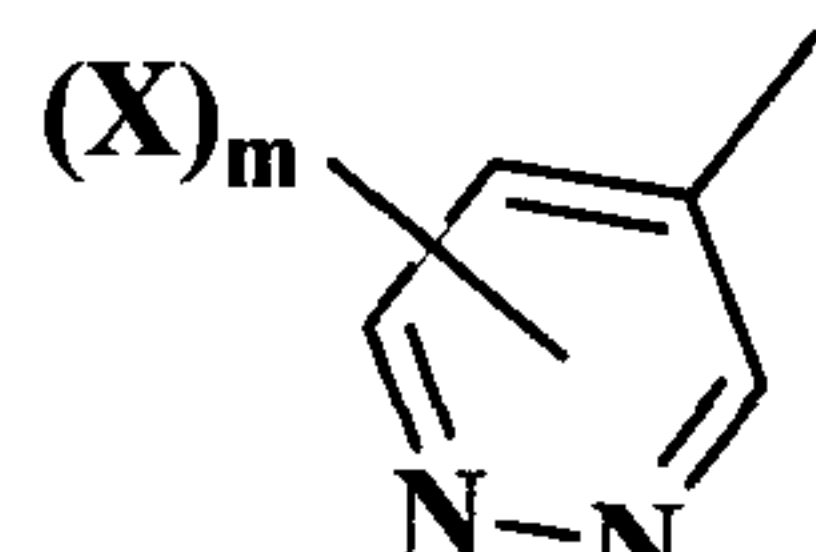
G - 6



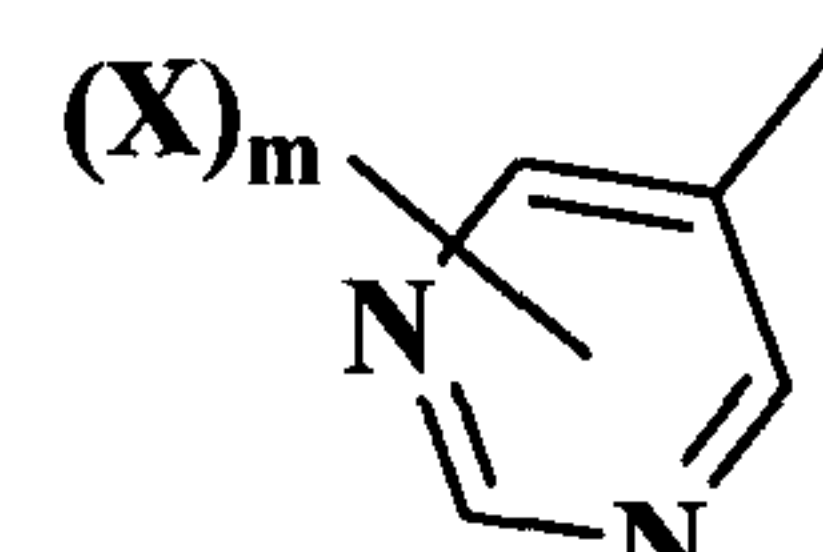
G - 7



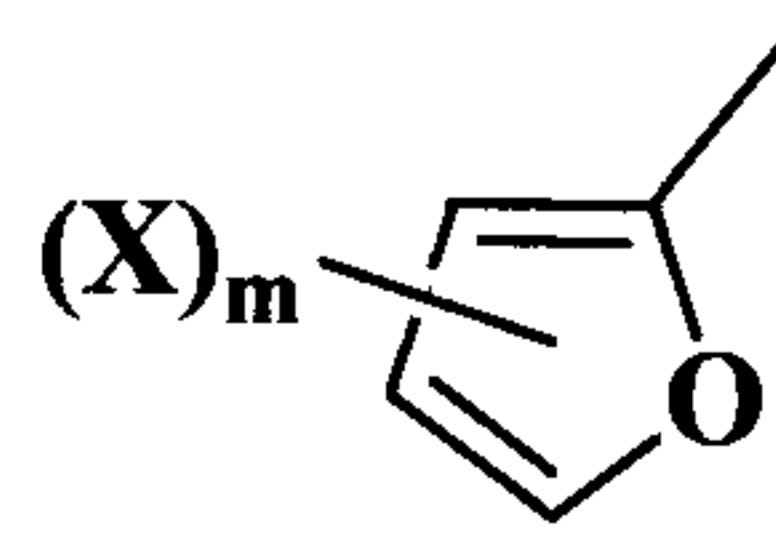
G - 8



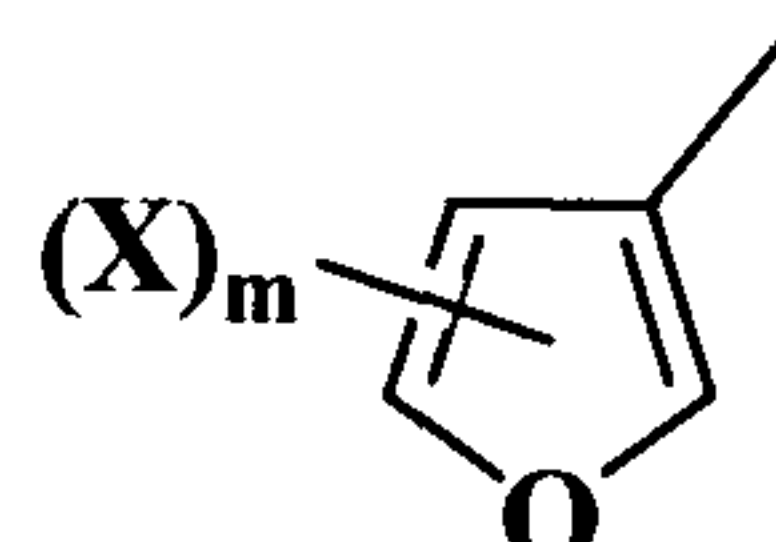
G - 9



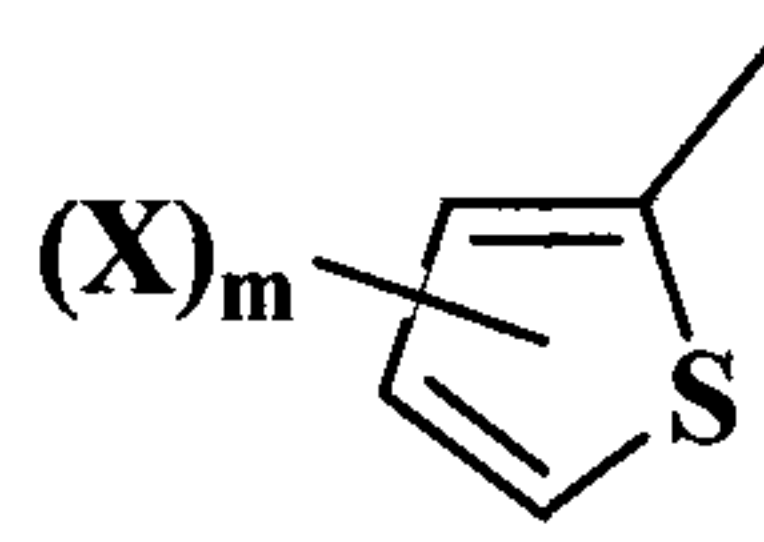
G - 10



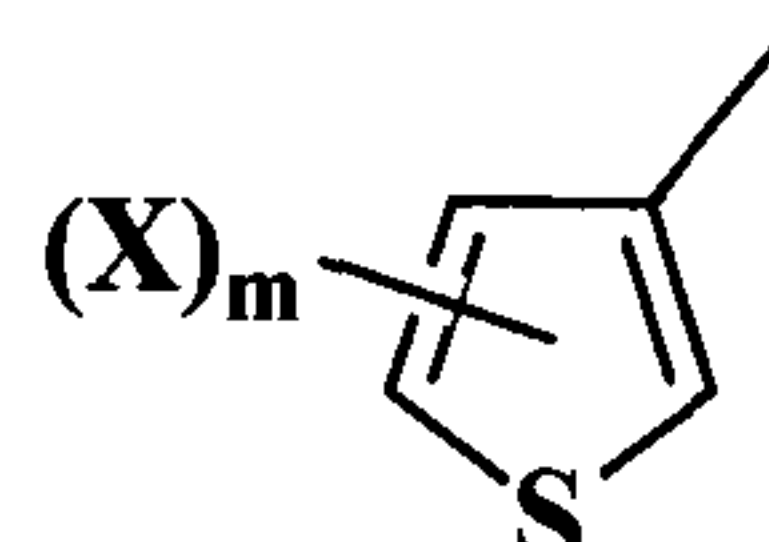
G - 11



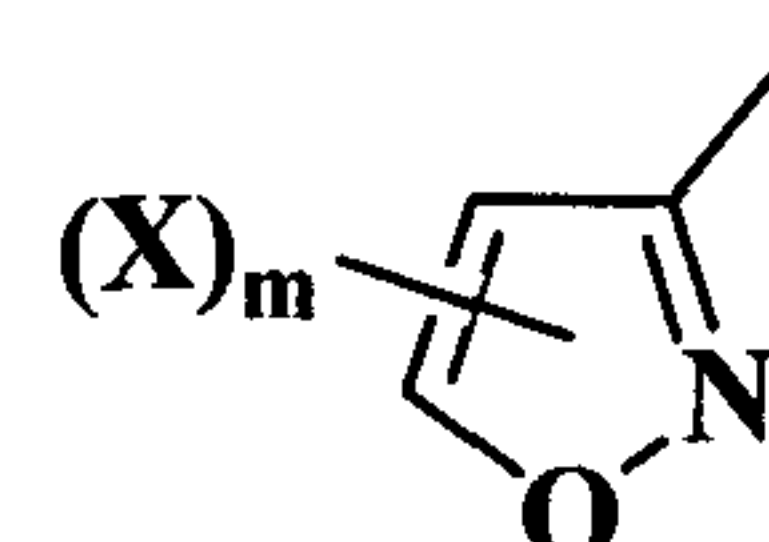
G - 12



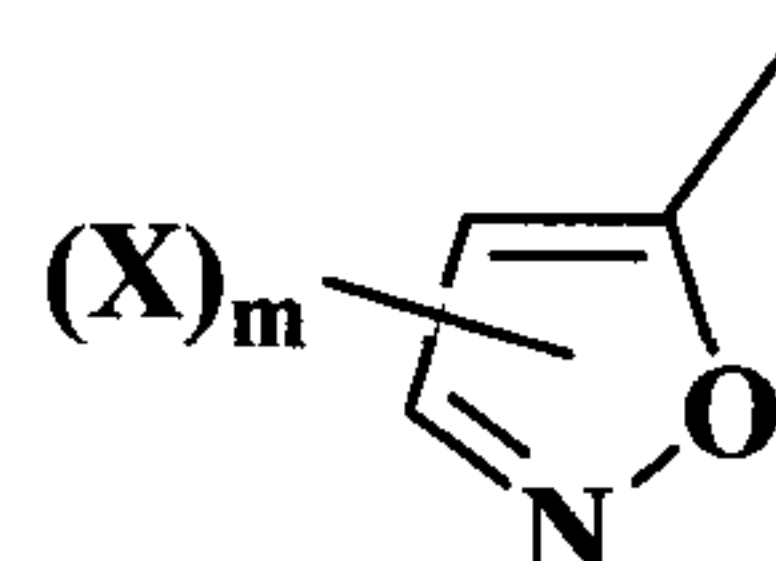
G - 13



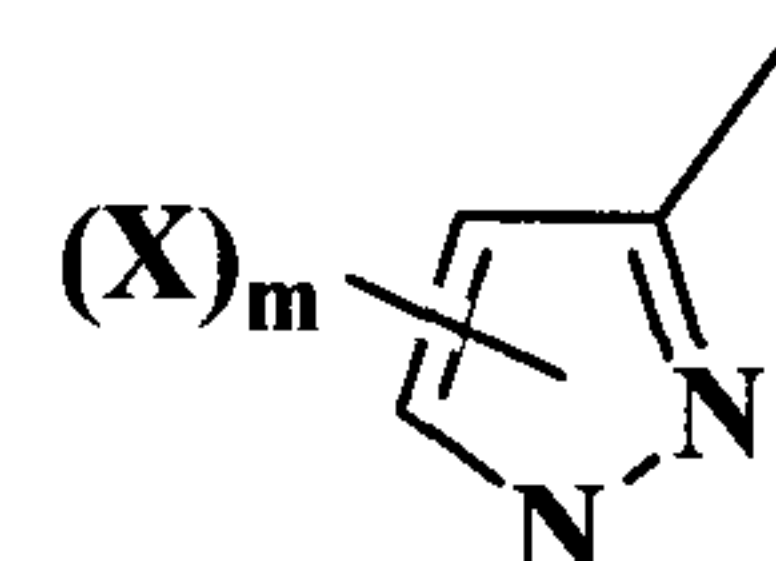
G - 14



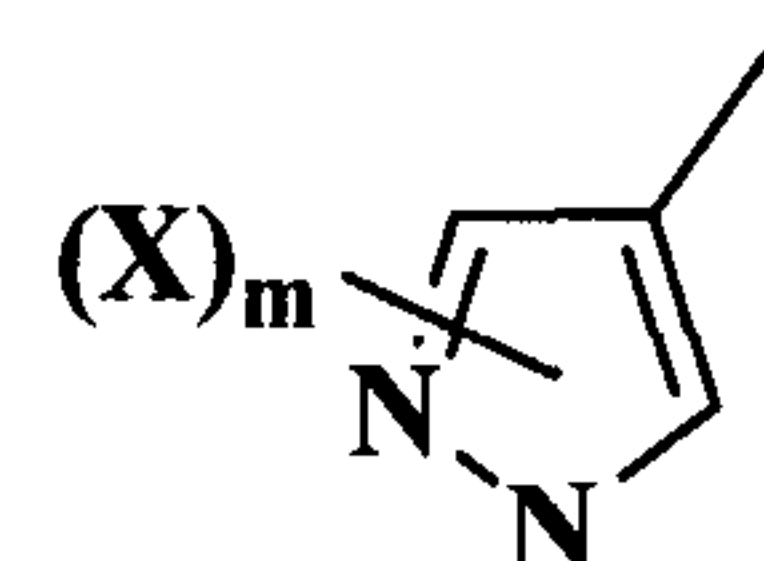
G - 15



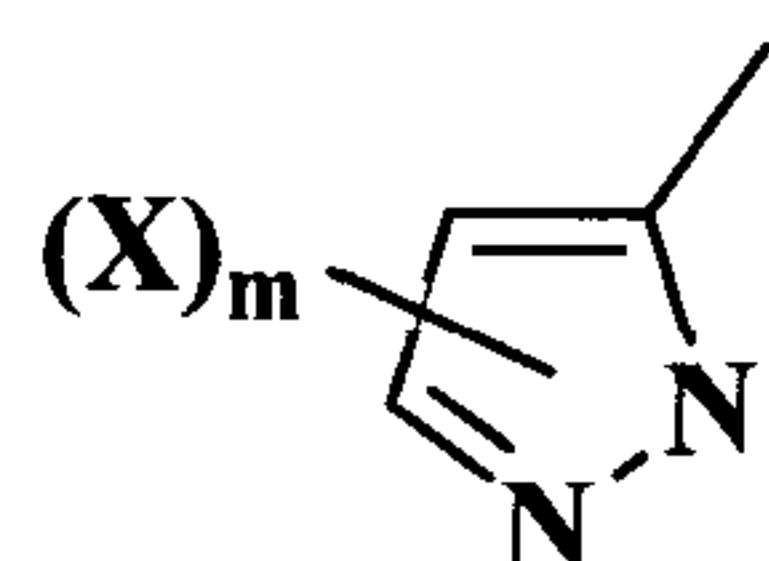
G - 16



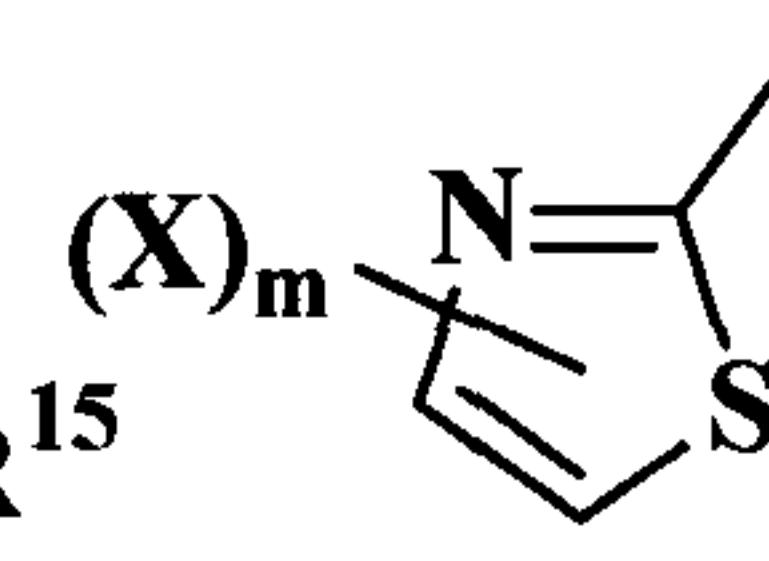
G - 17



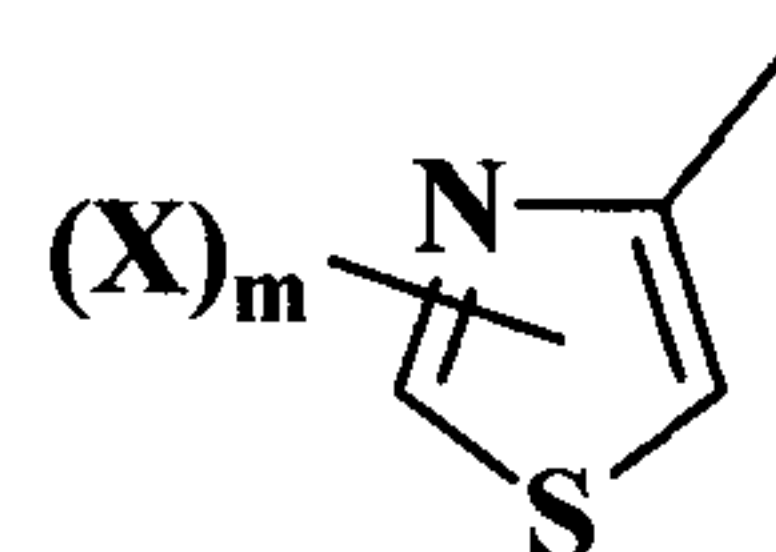
G - 18



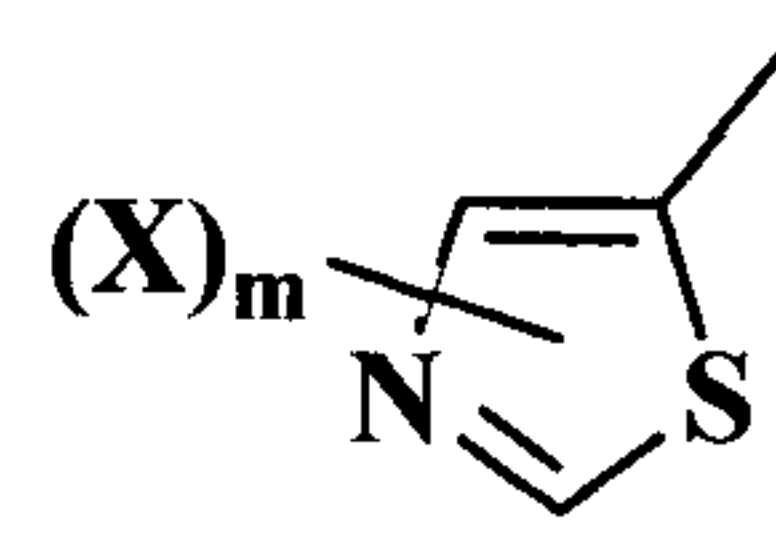
G - 19



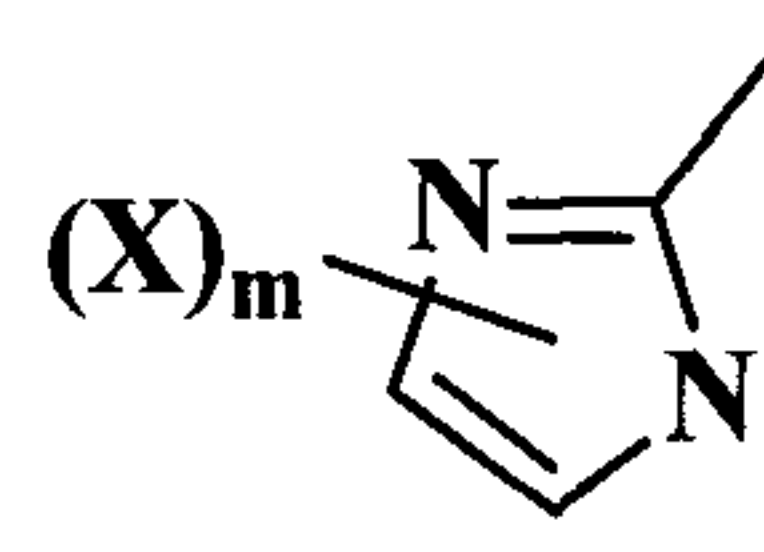
G - 20



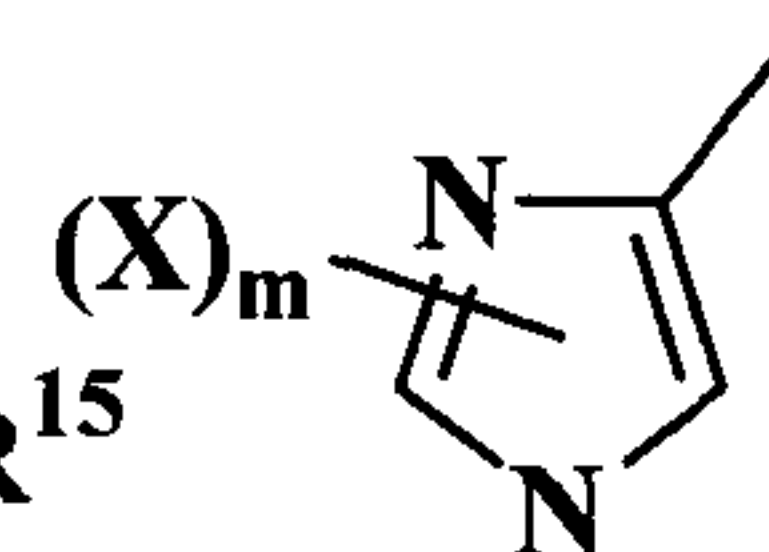
G - 21



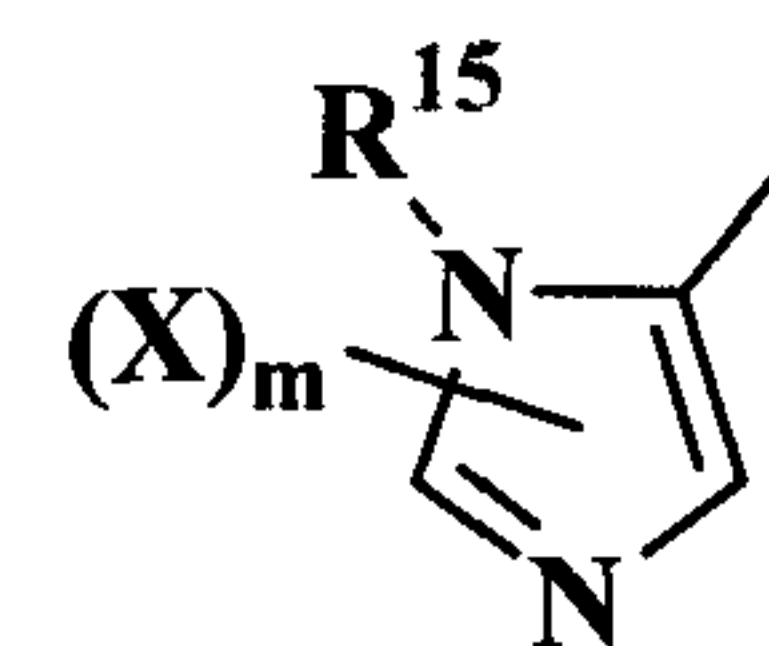
G - 22



G - 23



G - 24



G - 25

X is halogen atom, cyano, nitro, $-\text{SF}_5$, $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ alkyl arbitrarily substituted with R^4 , $\text{C}_3\text{-C}_8$ cycloalkyl, $\text{C}_3\text{-C}_8$ cycloalkyl arbitrarily substituted with R^4 , $\text{C}_2\text{-C}_6$ alkenyl,

C₂-C₆alkenyl arbitrarily substituted with R⁴, C₂-C₆alkynyl, C₂-C₆alkynyl arbitrarily substituted with R⁴, -OH, -OR⁵, -OSO₂R⁵, -S(O)_rR⁵, -C(O)OR⁹, -C(O)SR⁹, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -CH=NOR¹¹, -C(R⁹)=NOR¹¹, -S(O)₂NHR¹⁰, -S(O)₂N(R¹⁰)R⁹, -Si(R¹³)(R¹⁴)R¹², phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49, when m is an integer of 2 or more, each X may be identical with or different from each other, further, when two Xs are adjacent, the adjacent two Xs may form 5-membered or 6-membered ring together with carbon atoms to which the two Xs are bonded by forming -CH₂CH₂CH₂-, -CH₂CH₂O-, -CH₂OCH₂-, -OCH₂O-, -CH₂CH₂S-, -CH₂SCH₂-, -CH₂CH₂CH₂CH₂-, -CH₂CH₂CH₂O-, -CH₂CH₂OCH₂-, -CH₂OCH₂O-, -OCH₂CH₂O-, -OCH₂CH₂S- or -CH=CHCH=CH-, in this case, hydrogen atoms bonded to each carbon atom forming the ring may be arbitrarily substituted with halogen atom, C₁-C₄alkyl or C₁-C₄haloalkyl,

Y is halogen atom, cyano, nitro, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, -OR⁵, -OSO₂R⁵, -S(O)_rR⁵, -NHR⁷, -N(R⁷)R⁶, -N=CHOR⁸, -N=C(R⁹)OR⁸, -C(O)NHR¹⁰, -C(O)N(R¹⁰)R⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-24, D-30 to D-38, D-43 to D-52 or D-53, when n is an integer of 2 or more, each Y may be identical with or different from each other,

further, when two Ys are adjacent, the adjacent two Ys may form 5-membered or 6-membered ring together with carbon atoms to which the two Ys are bonded by forming -CH₂CH₂CH₂-, -CH₂CH₂O-, -CH₂OCH₂-, -OCH₂O-, -CH₂CH₂CH₂CH₂-, -CH₂CH₂CH₂O-, -CH₂CH₂OCH₂-, -CH₂OCH₂O-, -OCH₂CH₂O-, -OCH=N- or -SCH=N-, in this case, hydrogen atoms bonded to each carbon atom forming the ring may be arbitrarily substituted with halogen atom, C₁-C₄alkyl or C₁-C₄haloalkyl,

R¹ is C₁-C₈alkyl, C₁-C₈alkyl arbitrarily substituted with R¹⁶, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₃-C₈alkenyl, C₃-C₈haloalkenyl, phenyl C₃-C₆alkenyl, phenyl C₃-C₆alkenyl substituted with (Z)_{p1}, C₃-C₈alkynyl, C₃-C₈haloalkynyl, phenyl C₃-C₆alkynyl, phenyl C₃-C₆alkynyl substituted with (Z)_{p1}, C₁-C₈alkoxy, -N(R²⁰)R¹⁹, -N=CHR^{19b}, -N=C(R^{19b})R^{19a}, -C(O)N(R¹⁰)R⁹, -C(S)N(R¹⁰)R⁹, -C(=NR¹¹)OR⁹, -C(=NR¹¹)SR⁹, -C(=NR¹¹)N(R¹⁰)R⁹, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-6 to D-13, D-15 to D-23, D-26, D-27, D-29 to D-37, D-39, D-40, D-42, D-45 to D-58, E-4 to E-9, E-23 to

E-28, E-30, E-31, E-34 or E-45,

R^2 is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 haloalkoxy C_1 - C_4 alkyl, benzyloxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, C_1 - C_4 haloalkylthio C_1 - C_4 alkyl, C_1 - C_4 alkylsulfonyl C_1 - C_4 alkyl, C_1 - C_4 haloalkylsulfonyl C_1 - C_4 alkyl, phenylthio C_1 - C_4 alkyl, phenylthio C_1 - C_4 alkyl substituted with $(Z)_{p1}$, cyano C_1 - C_6 alkyl, nitro C_1 - C_6 alkyl, C_1 - C_4 alkylcarbonyl C_1 - C_4 alkyl, C_1 - C_4 alkoxycarbonyl C_1 - C_4 alkyl, C_3 - C_6 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, $-SR^9$, $-S(O)_2R^9$, $-SN(R^{18})R^{17}$, $-OH$, $-OR^{19}$, $-NHR^{20}$, $-N(R^{20})R^{19}$, $-N=CHR^{19b}$, $-N=C(R^{19b})R^{19a}$, $-C(O)R^9$, $-C(O)OR^9$, $-C(O)SR^9$, $-C(S)OR^9$, $-C(S)SR^9$, phenyl, phenyl substituted with $(Z)_{p1}$,

or R^1 and R^2 together form $=C(R^{2a})R^{1a}$, and further R^1 and R^2 together may form 3- to 7-membered ring together with the nitrogen atom bonding them by forming C_2 to C_6 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be arbitrarily substituted with C_1 - C_6 alkyl, formyl, C_1 - C_6 alkylcarbonyl or C_1 - C_6 alkoxycarbonyl,

R^{1a} and R^{2a} together may form 5- or 6-membered ring together with the carbon atom bonding them by forming C_4 or C_5 alkylene chain or C_4 or C_5 alkenylene chain, in this case, the alkylene chain and the alkenylene chain may contain one to three oxygen atoms, sulfur atoms or nitrogen atoms, and may be arbitrarily substituted with halogen atom or C_1 - C_6 alkyl,

R^3 is cyano, C_1 - C_6 alkyl arbitrarily substituted with R^4 , C_3 - C_8 cycloalkyl, C_3 - C_8 halocycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 haloalkynyl, $-OR^5$, $-S(O)_rR^5$, $-N(R^{10})R^9$, $-C(O)OR^9$, $-C(O)SR^9$, $-C(O)NHR^{10}$, $-C(O)N(R^{10})R^9$, $-C(S)OR^9$, $-C(S)SR^9$, $-C(S)NHR^{10}$, $-C(S)N(R^{10})R^9$, $-CH=NOR^{11}$, $-C(R^9)=NOR^{11}$, $-Si(R^{13})(R^{14})R^{12}$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-4, D8- to D-13, D-15 to D-23, D-25 to D-37, D-39, D-40, D-42, D-45 to D-60 or E-4 to E-7, E-23 to E27 or E-28,

R^4 is halogen atom, cyano, C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, $-OH$, $-OR^5$, $-S(O)_rR^5$, $-N(R^{10})R^9$, $-N(R^{10})C(O)R^9$, $-N(R^{10})C(O)OR^9$, $-N(R^{10})C(O)SR^9$, $-N(R^{10})C(S)OR^9$, $-N(R^{10})C(S)SR^9$, $-N(R^{10})S(O)_2R^9$, $-Si(R^{13})(R^{14})R^{12}$, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-5, D-8 to D-38, D-41, D-43, D-44, D-47 to D-52 or D-53,

R^5 is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_3 haloalkoxy C_1 - C_3 haloalkyl, C_3 - C_8 cycloalkyl,

C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-7, D-9, D-15 to D-23, D-30 to D-35, D-47 to D-53, E-3 to E-9, E-23 to E-27 or E-28,

R⁶ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, -S(O)₂R⁹, -CHO, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹ or -C(S)SR⁹,

R⁷ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R⁸ is C₁-C₆alkyl,

R⁹ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl

substituted with (Z)_{p1}, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₃-C₆alkenyl,

C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-6 to D-35, D-38, D-47 to D-54 or D-55,

R¹⁰ is hydrogen atom or C₁-C₆alkyl, or R¹⁰ together with R⁹ may form 5- to 7-membered ring with the nitrogen atom bonding them by forming C₄-C₆alkylene chain, in this case, the alkylene chain may contain oxygen atom or sulfur atom,

R¹¹ is C₁-C₆alkyl, C₁-C₆haloalkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, phenyl or phenyl substituted with (Z)_{p1}, or R¹¹ together with R⁹ may form 5- or 6-membered ring with the atom bonding them by forming C₂-C₃alkylene chain, in this case, the alkylene chain may be arbitrarily substituted with C₁-C₆alkyl,

R¹² is C₁-C₆alkyl, phenyl or phenyl substituted with (Z)_{p1},

R¹³ and R¹⁴ independently of each other are C₁-C₆alkyl,

R¹⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, phenyl or phenyl substituted with (Z)_{p1},

R¹⁶ is halogen atom, cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, -OR²⁵, -N(R²⁶)R²⁵, -SH, -S(O)_rR²⁷, -SO₂NHR²⁹, -SO₂N(R²⁹)R²⁸, -CHO, -C(O)R²⁸, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(O)N(R²⁹)OR²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, -C(=NR³¹)OR³⁰, -C(=NR³¹)SR³⁰, -C(=NR³¹)N(R²⁹)R³⁰, -C(=NOR³¹)NHR²⁹, -C(=NOR³¹)N(R²⁹)R³⁰, -Si(R¹³)(R¹⁴)R¹², phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60, E-1 to E-49 or M-1 to M-22,

R¹⁷ is C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₆alkoxycarbonyl C₁-C₄alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1} or C₁-C₆alkoxycarbonyl,

R^{18} is C_1 - C_6 alkyl, phenyl C_1 - C_4 alkyl or phenyl C_1 - C_4 alkylsubstituted with $(Z)_{p1}$, or R^{18} together with R^{17} may form 5- or 6-membered ring with the nitrogen atom bonding them by forming C_4 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom, and may be arbitrarily substituted with methyl or methoxy, R^{19} is C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{16} , C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, -CHO, -C(O) R^{28} , -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R^{29}) R^{28} , -C(S)NHR²⁹, -C(S)N(R^{29}) R^{28} , -S(O)₂ R^{28} , -S(O)₂NHR²⁹, -S(O)₂N(R^{29}) R^{28} , phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-13, D-15 to D-25, D-30 to D-37, D-39, D-40, D-42, D-45 to D-60, E-5, E-7, E-9, E-24, E-25, E-27, E-28, E-30 or E-31,

R^{19a} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl, phenyl, phenyl substituted with $(Z)_{p1}$, D-1 to D-4, D-8 to D-10, D-15 to D-23, D-47 to D-55, E-4 to E-7, E-23 to E-27 or E-28,

R^{19b} is hydrogen atom or C_1 - C_6 alkyl, or R^{19a} together with R^{19b} may form 5- or 6-membered ring with the carbon atom bonding them by forming C_4 or C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom, R^{20} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, C_1 - C_4 alkoxycarbonyl C_1 - C_4 alkyl, C_2 - C_6 alkenyl, C_3 - C_6 alkynyl, -CHO, -C(O) R^9 , -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹, -C(S)SR⁹ or C_1 - C_6 alkylsulfonyl,

R^{22} is halogen atom, cyano, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 alkoxy, C_1 - C_6 alkoxycarbonyl, -C(O)NH₂ or -C(S)NH₂, when q_1 , q_2 , q_3 or q_4 is an integer of 2 or more, each R^{22} may be identical with or different from each other, further in case where two R^{22} s are present on the same carbon atom, the two R^{22} s together may form oxo, thioxo, imino, C_1 - C_6 alkylimino, C_1 - C_6 alkoxyimino or C_1 - C_6 alkylidene,

R^{23} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{32} , C_3 - C_6 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, -OH, benzyloxy, -CHO, -C(O) R^{33} , -C(O)OR³³, -C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R^{34}) R^{33} , -S(O)₂ R^{33} , phenyl, phenyl substituted with $(Z)_{p1}$ or D-5,

R^{25} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, -CHO, -C(O) R^{33} , -C(O)OR³³,

-C(O)SR³³, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, -C(S)R³³, -C(S)OR³³, -C(S)SR³³,
 -C(S)NHR³⁴, -C(S)N(R³⁴)R³³, -S(O)₂R³³, -S(O)₂N(R³⁴)R³³, di(C₁-C₆alkyl)phosphoryl,
 di(C₁-C₆alkyl)thiophosphoryl, tri(C₁-C₄alkyl)silyl, phenyl or phenyl substituted with (Z)_{p1},
 R²⁶ is hydrogen atom, C₁-C₆alkyl, C₃-C₆alkenyl, C₃-C₆alkynyl or C₁-C₆alkoxy, or R²⁶
 together with R²⁵ may form 4- to 6-membered ring with the nitrogen atom bonding them
 by forming C₃-C₅alkylene chain, in this case, the alkylene chain may contain one
 oxygen atom, sulfur atom or nitrogen atom, and may substituted with C₁-C₆alkyl, oxo or
 thioxo,

R²⁷ is C₁-C₆alkyl, C₁-C₆haloalkyl, hydroxy C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl,
 C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄alkylcarbonyl C₁-C₄alkyl, C₁-C₄alkoxycarbonyl
 C₁-C₄alkyl, di(C₁-C₄alkyl)aminocarbonyl C₁-C₄alkyl, tri(C₁-C₄alkyl)silyl C₁-C₄alkyl,
 phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆alkenyl, C₃-C₆alkynyl,
 C₁-C₆alkylcarbonyl, C₁-C₆alkylthio, phenylthio, phenylthio substituted with (Z)_{p1},
 -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, -C(S)NHR³⁴, -C(S)N(R³⁴)R³³, phenyl, phenyl substituted
 with (Z)_{p1}, D-21, D-35, D-47 or D-50,

R²⁸ is C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R³², C₃-C₆cycloalkyl,
 C₃-C₆halocycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl,
 phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49,

R²⁹ is hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl,
 cyano C₁-C₆alkyl, C₃-C₆alkenyl or C₃-C₆alkynyl, or R²⁹ together with R²⁸ may form 3- to
 6-membered ring with the nitrogen atom bonding them by forming C₂-C₅alkylene chain,
 in this case, the alkylene chain may contain one oxygen atom or sulfur atom,

R³⁰ is C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₃-C₆cycloalkyl
 C₁-C₄alkyl, tri(C₁-C₆alkyl)silyl C₁-C₄alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl
 substituted with (Z)_{p1}, C₃-C₈alkenyl, C₃-C₈haloalkenyl, C₃-C₈alkynyl or
 C₃-C₈haloalkynyl,

R³¹ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl or C₃-C₆cycloalkyl, or R³¹ together
 with R³⁰ may form 5- or 6-membered ring with the atom bonding them by forming
 C₂-C₃alkylene chain, in this case, the alkylene chain may be arbitrarily substituted with
 C₁-C₆alkyl,

R³² is halogen atom, cyano, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, -OR³³, -OC(O)R³³,
 -OC(O)NHR³³, -OC(O)N(R³⁴)R³³, -S(O)_rR³³, -SC(O)R³³, -SC(O)NHR³³,

-SC(O)N(R³⁴)R³³, -N(R³⁴)CHO, -N(R³⁴)C(O)R³³, -N(R³⁴)C(O)OR³³, -C(O)OR³³, -C(O)NHR³⁴, -C(O)N(R³⁴)R³³, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-60 or E-1 to E-49,

R³³ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄haloalkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄haloalkylthio C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, C₁-C₄haloalkylsulfonyl C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl substituted with (Z)_{p1}, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-13, D-15 to D-18, D-21, D-29 to D-37, D-47 to D-55, E-5, E-7, E-9, E-24, E-25, E-27, E-28, E-30, E-31 or E-34,

R³⁴ is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl, or R³⁴ together with R³³ may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C₂-C₅alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom.

3. The isoxazoline-substituted benzamide compound or the salt thereof according to claim 2, wherein

G is G-1, G-3, G-4, G-13, G-14, G-17, G-18, G-20, G-21 or G-22,

X is halogen atom, cyano, nitro, -SF₅, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₂-C₆alkynyl, C₂-C₆haloalkynyl, -OR⁵, -OSO₂R⁵, -S(O)_rR⁵, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹, -C(S)SR⁹, -C(S)NHR¹⁰, -C(S)N(R¹⁰)R⁹, -CH=NOR¹¹, -C(R⁹)=NOR¹¹, -Si(R¹³)(R¹⁴)R¹², E-10, E-12, E-18, E-32, E-35 or E-43, when m is 2 or 3, each X may be identical with or different from each other,

further, when two Xs are adjacent, the adjacent two Xs may form 5-membered or 6-membered ring together with carbon atoms to which the two Xs are bonded by forming -CF₂OCF₂-, -OCF₂O-, -CF₂OCF₂O- or -OCF₂CF₂O-,

Y is halogen atom, cyano, nitro, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, -OR⁵, -OSO₂R⁵, -S(O)_rR⁵, -NHR⁷, -N(R⁷)R⁶, -N=C(R⁹)OR⁸, -C(O)NH₂ or -C(S)NH₂, when n is 2 or 3, each Y may be identical with or different from each other,

R¹ is C₁-C₈alkyl, C₁-C₈alkyl arbitrarily substituted with R¹⁶, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₃-C₈alkenyl, C₃-C₈haloalkenyl, C₃-C₈alkynyl, C₃-C₈haloalkynyl,

$-N(R^{20})R^{19}$, $-C(O)N(R^{10})R^9$, $-C(S)N(R^{10})R^9$, phenyl substituted with (Z)_{p1}, D-8 to D-13, D-15 to D-18, D-21 to D-23, D-26, D-27, D-29 to D-37, D-39, D-40, D-42, D-45 to D-58, E-5, E-7, E-8, E-9, E-24, E-25, E-27, E-28, E-30, E-31 or E-34,
 R^2 is hydrogen atom, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆alkynyl, -OH, C₁-C₆alkoxy, C₁-C₆alkylcarbonyloxy, C₁-C₆alkoxycarbonyloxy, C₁-C₆alkylsulfonyloxy, C₁-C₆haloalkylthio, phenylthio, phenylthio substituted with (Z)_{p1}, C₁-C₆alkylsulfonyl, $-SN(R^{18})R^{17}$, $-NHR^{20}$, $-N=CHR^{19b}$, $-N=C(R^{19b})R^{19a}$, $-C(O)R^9$, $-C(O)OR^9$, $-C(O)SR^9$, $-C(S)OR^9$ or $-C(S)SR^9$, or R^2 together with R^1 may form 3- to 7-membered ring with the nitrogen atom bonding them by forming C₂-C₆alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom,
 R^3 is C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₃-C₆halocycloalkyl C₁-C₄alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄haloalkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, C₁-C₄alkylsulfinyl C₁-C₄alkyl, C₁-C₄alkylsulfonyl C₁-C₄alkyl, C₁-C₄haloalkylthio C₁-C₄alkyl, C₁-C₄haloalkylsulfinyl C₁-C₄alkyl, C₁-C₄haloalkylsulfonyl C₁-C₄alkyl, cyano C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄haloalkyl, C₁-C₄haloalkoxy C₁-C₄haloalkyl, C₁-C₄alkylthio C₁-C₄haloalkyl, C₁-C₄alkylsulfinyl C₁-C₄haloalkyl, C₁-C₄alkylsulfonyl C₁-C₄haloalkyl, C₁-C₄haloalkylthio C₁-C₄haloalkyl, C₁-C₄haloalkylsulfinyl C₁-C₄haloalkyl, C₁-C₄haloalkylsulfonyl C₁-C₄haloalkyl, cyano C₁-C₆haloalkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, E-4 to E-7, E-23 to E-27 or E-28,
 R^4 is halogen atom, cyano, -OH, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl or tri(C₁-C₆alkyl)silyl,
 R^5 is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₃haloalkoxy C₁-C₃haloalkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, E-4 to E-9, E-23 to E-27 or E-28,
 R^6 is C₁-C₆alkyl, C₁-C₆haloalkyl, $-S(O)_2R^9$, -CHO, $-C(O)R^9$, $-C(O)OR^9$, $-C(O)SR^9$, $-C(S)OR^9$ or $-C(S)SR^9$,
 R^7 is hydrogen atom, C₁-C₆alkyl or C₁-C₆haloalkyl,
 R^9 is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R^{10} is hydrogen atom or C_1 - C_6 alkyl, or R^{10} together with R^9 may form 5- or 6-membered ring with the nitrogen atom bonding them by forming C_4 or C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom, R^{11} is C_1 - C_6 alkyl or C_1 - C_6 haloalkyl, or R^{11} together with R^9 may form 5- or 6-membered ring with the atom bonding them by forming C_2 or C_3 alkylene chain, in this case, the alkylene chain may be arbitrarily substituted with C_1 - C_6 alkyl,

R^{15} is C_1 - C_6 alkyl or C_1 - C_6 haloalkyl,

R^{16} is halogen atom, cyano, C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, $-OR^{25}$, $-N(R^{26})R^{25}$, $-S(O)_rR^{27}$, $-SO_2NHR^{29}$, $-SO_2N(R^{29})R^{28}$, $-CHO$, $-C(O)R^{28}$, $-C(O)OR^{28}$, $-C(O)NHR^{29}$, $-C(O)N(R^{29})R^{28}$, $-C(O)N(R^{29})OR^{28}$, $-C(S)NHR^{29}$, $-C(S)N(R^{29})R^{28}$, $-C(R^{31})=NOH$, $-C(R^{31})=NOR^{30}$, $-C(=NR^{31})OR^{30}$, $-C(=NR^{31})SR^{30}$, $-C(=NR^{31})N(R^{29})R^{30}$, $-C(=NOR^{31})NHR^{29}$, $-C(=NOR^{31})N(R^{29})R^{30}$, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-42, D-47 to D-55, E-4 to E-12, E-14, E-16 to E-19, E-21 to E-23, E-26 to E-35, E-40 to E-45, E-48, M-2, M-3, M-5, M-8 to M-10, M-14, M-15 or M-16,

R^{17} is C_1 - C_6 alkyl, C_1 - C_6 alkoxycarbonyl C_1 - C_4 alkyl or C_1 - C_6 alkoxycarbonyl,

R^{18} is C_1 - C_6 alkyl or benzyl,

R^{19} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_3 - C_6 cycloalkyl C_1 - C_6 alkyl, phenyl C_1 - C_6 alkyl, phenyl C_1 - C_6 alkyl substituted with (Z)_{p1}, C_3 - C_6 cycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, $-C(O)R^{28}$, $-C(O)OR^{28}$, $-C(O)NHR^{29}$, $-C(O)N(R^{29})R^{28}$, $-C(S)NHR^{29}$, $-C(S)N(R^{29})R^{28}$, C_1 - C_6 alkylsulfonyl, C_1 - C_6 haloalkylsulfonyl, phenylsulfonyl, phenylsulfonyl substituted with (Z)_{p1}, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-18, D-21, D-25, D-30 to D-35, D-47 to D-55 or D-56,

R^{19a} is C_1 - C_6 alkyl,

R^{19b} is hydrogen atom or C_1 - C_6 alkyl,

R^{20} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, cyano C_1 - C_6 alkyl, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, $-CHO$, C_1 - C_6 alkylcarbonyl, C_1 - C_6 haloalkylcarbonyl, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 haloalkoxycarbonyl or C_1 - C_6 alkylsulfonyl,

R^{22} is C_1 - C_4 alkyl or C_1 - C_4 haloalkyl, or two R^{22} s present on the same carbon atom may together form oxo, or thioxo,

R^{23} is hydrogen atom, C_1 - C_6 alkyl, $-CHO$, C_1 - C_6 alkylcarbonyl, C_1 - C_6 haloalkylcarbonyl, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 alkylsulfonyl or C_1 - C_6 haloalkylsulfonyl,

R^{25} is hydrogen atom, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, $-C(O)R^{33}$, $-C(O)OR^{33}$, $-C(O)SR^{33}$, $-C(O)NHR^{34}$, $-C(O)N(R^{34})R^{33}$, $-C(S)R^{33}$, $-C(S)OR^{33}$, $-C(S)SR^{33}$, $-C(S)NHR^{34}$, $-C(S)N(R^{34})R^{33}$, $-S(O)_2R^{33}$, $-S(O)_2N(R^{34})R^{33}$, di(C_1 - C_6 alkyl)thiophosphoryl, phenyl or phenyl substituted with $(Z)_{p1}$,

R^{26} is hydrogen atom or C_1 - C_6 alkyl, or R^{26} together with R^{25} may form 4- to 6-membered ring with the nitrogen atom bonding them by forming C_3 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom, sulfur atom or nitrogen atom, and may be substituted with C_1 - C_6 alkyl, oxo or thioxo,

R^{27} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, tri(C_1 - C_4 alkyl)silyl C_1 - C_4 alkyl, C_1 - C_6 alkylthio, $-C(O)NHR^{34}$, $-C(O)N(R^{34})R^{33}$, $-C(S)NHR^{34}$, $-C(S)N(R^{34})R^{33}$, phenyl, phenyl substituted with $(Z)_{p1}$, D-47 or D-50,

R^{28} is C_1 - C_6 alkyl, C_1 - C_6 alkyl arbitrarily substituted with R^{32} , C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 haloalkenyl, C_3 - C_6 alkynyl, C_3 - C_6 haloalkynyl, phenyl or phenyl substituted with $(Z)_{p1}$,

R^{29} is hydrogen atom, C_1 - C_6 alkyl, C_3 - C_6 alkenyl or C_3 - C_6 alkynyl, or R^{29} together with R^{28} may form 3- to 6-membered ring with the nitrogen atom bonding them by forming C_2 - C_5 alkylene chain, in this case, the alkylene chain may contain one oxygen atom or sulfur atom,

R^{30} is C_1 - C_6 alkyl, C_3 - C_6 cycloalkyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_3 - C_8 alkenyl or C_3 - C_8 alkynyl,

R^{31} is hydrogen atom or C_1 - C_6 alkyl, or R^{31} together with R^{30} may form 5- or 6-membered ring with the atom bonding them by forming C_2 or C_3 alkylene chain, in this case, the alkylene chain may be arbitrarily substituted with C_1 - C_6 alkyl,

R^{32} is halogen atom, cyano, C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkoxy, C_1 - C_4 alkylthio, C_1 - C_4 haloalkylthio, C_1 - C_4 alkoxycarbonyl, $-C(O)NH_2$, C_1 - C_4 alkylaminocarbonyl, di(C_1 - C_4 alkyl)aminocarbonyl, phenyl or phenyl substituted with $(Z)_{p1}$,

R^{33} is C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_4 alkoxy C_1 - C_4 alkyl, C_1 - C_4 alkylthio C_1 - C_4 alkyl, C_1 - C_4 alkylsulfonyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl, phenyl C_1 - C_4 alkyl substituted with $(Z)_{p1}$, C_3 - C_6 cycloalkyl, C_3 - C_6 halocycloalkyl, C_3 - C_6 alkenyl, C_3 - C_6 alkynyl, phenyl or phenyl substituted with $(Z)_{p1}$,

R^{34} is hydrogen atom or C_1 - C_6 alkyl,

m is an integer of 1 to 3,
 n is an integer of 0 to 2,
 q2 is an integer of 0 to 3,
 q3 is an integer of 0 to 2, and
 q4 is an integer of 0 to 2.

4. The isoxazoline-substituted benzamide compound or the salt thereof according to claim 3, wherein

A¹ is carbon atom or nitrogen atom,

A² and A³ are carbon atom,

G is G-1,

X is halogen atom, cyano, nitro, -SF₅, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₂-C₆alkynyl, C₂-C₆haloalkynyl, -OR⁵, -OSO₂R⁵, -S(O)_rR⁵ or tri(C₁-C₆alkyl)silyl, when m is 2 or 3, each X may be identical with or different from each other,

further, when two Xs are adjacent, the adjacent two Xs may form 5-membered or 6-membered ring together with carbon atoms to which the two Xs are bonded by forming -CF₂OCF₂-, -OCF₂O-, -CF₂OCF₂O- or -OCF₂CF₂O-,

Y is halogen atom, cyano, nitro, C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R⁴, -OR⁵, -OSO₂R⁵, -S(O)_rR⁵, -NHR⁷, -N(R⁷)R⁶, -C(O)NH₂ or -C(S)NH₂, when n is 2 or 3, each Y may be identical with or different from each other,

R¹ is C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R¹⁶, C₃-C₈cycloalkyl, C₃-C₆halocycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, C₃-C₆haloalkynyl, -N(R²⁰)R¹⁹, -C(O)N(R¹⁰)R⁹, -C(S)N(R¹⁰)R⁹, phenyl substituted with (Z)_{p1}, D-8, D-10, D-11, D-13, D-15, D-17, D-18, D-21 to D-23, D-26, D-27, D-29 to D-37, D-39, D-40, D-42, D-45, D-47, D-48, D-50, D-51, D-53, D-54, D-56, D-58, E-5, E-7 or E-9, R² is hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆alkynyl, -OH, C₁-C₆alkylcarbonyloxy, C₁-C₆alkylsulfonyloxy, -NH₂, -C(O)R⁹, -C(O)OR⁹, -C(O)SR⁹, -C(S)OR⁹ or -C(S)SR⁹,

R³ is C₁-C₆haloalkyl, C₁-C₄alkoxy C₁-C₄haloalkyl, C₁-C₄haloalkoxy C₁-C₄haloalkyl, C₁-C₄alkylthio C₁-C₄haloalkyl, C₁-C₄haloalkylthio C₁-C₄haloalkyl, cyano C₁-C₆haloalkyl

or C₃-C₈halocycloalkyl,

R⁴ is halogen atom, cyano, -OH, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl or tri(C₁-C₆alkyl)silyl,

R⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₃haloalkoxy C₁-C₃haloalkyl, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₃-C₆alkynyl or C₃-C₆haloalkynyl,

R⁶ is C₁-C₆alkyl, C₁-C₆haloalkyl, -CHO, C₁-C₆alkylcarbonyl, C₁-C₆haloalkylcarbonyl, C₃-C₆cycloalkylcarbonyl, C₃-C₆halocycloalkylcarbonyl, C₁-C₆alkoxycarbonyl, C₁-C₆haloalkoxycarbonyl, C₁-C₆alkylthiocarbonyl, C₁-C₆alkoxythiocarbonyl, C₁-C₆alkyldithiocarbonyl, C₁-C₆alkylsulfonyl or C₁-C₆haloalkylsulfonyl,

R⁷ is hydrogen atom or C₁-C₆alkyl,

R⁹ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₈cycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R¹⁶ is halogen atom, cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, -OR²⁵, -N(R²⁶)R²⁵, -S(O)_rR²⁷, -SO₂NHR²⁹, -SO₂N(R²⁹)R²⁸, -C(O)R²⁸, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(O)N(R²⁹)OR²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰, -C(=NR³¹)OR³⁰, -C(=NR³¹)SR³⁰, phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-38, D-47 to D-55, E-4 to E-12, E-18, E-19, E-32, E-35, E-43, M-2, M-3, M-5, M-8, M-9 or M-10,

R¹⁹ is C₁-C₆haloalkyl, C₃-C₆cycloalkyl, -C(O)R²⁸, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NHR²⁹, -C(S)N(R²⁹)R²⁸, phenyl, phenyl substituted with (Z)_{p1}, D-3, D-4, D-21, D-47, D-50, D-51, D-53 or D-54,

R²⁰ is hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆alkenyl, C₃-C₆alkynyl, -CHO, C₁-C₆alkylcarbonyl, C₁-C₆alkoxycarbonyl or C₁-C₆alkylsulfonyl,

R²⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkylcarbonyl, C₁-C₆alkoxycarbonyl, C₁-C₆alkylaminocarbonyl, di(C₁-C₆alkyl)aminocarbonyl or C₁-C₆alkylsulfonyl,

R²⁶ is hydrogen atom or C₁-C₆alkyl,

R²⁷ is C₁-C₆alkyl, C₁-C₆haloalkyl or tri(C₁-C₄alkyl)silyl C₁-C₄alkyl,

R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₁-C₄alkoxy C₁-C₄alkyl, C₁-C₄alkylthio C₁-C₄alkyl, cyano C₁-C₆alkyl, phenyl C₁-C₄alkyl, phenyl C₁-C₄alkyl

substituted with (Z)_{p1}, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, phenyl or phenyl substituted with (Z)_{p1},

R²⁹ is hydrogen atom, C₁-C₆alkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R³⁰ is C₁-C₆alkyl or C₃-C₆cycloalkyl C₁-C₄alkyl,

R³¹ is hydrogen atom or C₁-C₆alkyl, or R³¹ together with R³⁰ may form 5- or 6-membered ring with the atom bonding them by forming C₂ or C₃alkylene chain.

5. The isoxazoline-substituted benzamide compound or the salt thereof according to claim 4, wherein

X is halogen atom, cyano, nitro, -SF₅, C₁-C₆alkyl, C₁-C₆haloalkyl, hydroxy C₁-C₆haloalkyl, C₁-C₆alkoxy C₁-C₆haloalkyl, C₁-C₆haloalkoxy C₁-C₆haloalkyl, C₃-C₈halocycloalkyl, -OR⁵, -OSO₂R⁵ or -S(O)_rR⁵, when m is 2 or 3, each X may be identical with or different from each other,

Y is halogen atom, cyano, nitro, C₁-C₄alkyl, C₁-C₄haloalkyl, C₁-C₄alkoxy, C₁-C₄haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, -NHR⁷ or -N(R⁷)R⁶,

R¹ is C₁-C₆alkyl, C₁-C₆alkyl arbitrarily substituted with R¹⁶, C₃-C₆cycloalkyl, C₃-C₆alkenyl, C₃-C₆haloalkenyl, C₃-C₆alkynyl, -N(R²⁰)R¹⁹, D-8, D-10, D-13, D-15, D-18, D-21, D-34, D-35, D-50 or D-51,

R² is hydrogen atom, C₁-C₆alkyl, C₁-C₄alkoxy C₁-C₄alkyl, cyano C₁-C₆alkyl, C₃-C₆alkynyl, -C(O)R⁹ or -C(O)OR⁹,

R³ is C₁-C₆haloalkyl or C₃-C₈halocycloalkyl,

R⁵ is C₁-C₆alkyl, C₁-C₆haloalkyl or C₁-C₃haloalkoxy C₁-C₃haloalkyl,

R⁶ is C₁-C₆alkyl, -CHO, C₁-C₆alkylcarbonyl, C₁-C₆haloalkylcarbonyl, C₁-C₆alkoxycarbonyl, C₁-C₆alkylthiocarbonyl, C₁-C₆alkoxythiocarbonyl, C₁-C₆alkyldithiocarbonyl, C₁-C₆alkylsulfonyl or C₁-C₆haloalkylsulfonyl,

R⁹ is C₁-C₆alkyl, C₁-C₆alkoxy C₁-C₄alkyl, C₁-C₆alkylthio C₁-C₄alkyl, C₃-C₈cycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R¹⁶ is halogen atom, cyano, C₃-C₆cycloalkyl, C₃-C₆halocycloalkyl, C₁-C₆alkoxy, C₁-C₆haloalkoxy, C₁-C₆alkylthio, C₁-C₆haloalkylthio, C₁-C₆alkylsulfinyl,

C₁-C₆haloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₁-C₆haloalkylsulfonyl, C₁-C₆alkylcarbonyl, -C(O)OR²⁸, -C(O)NHR²⁹, -C(O)N(R²⁹)R²⁸, -C(S)NH₂, -C(R³¹)=NOH, -C(R³¹)=NOR³⁰,

phenyl, phenyl substituted with (Z)_{p1}, D-1 to D-4, D-8 to D-38, D-47 to D-55, E-4 to E-7, E-10, E-11 or E-32,

R¹⁹ is C₁-C₆haloalkyl, -C(O)R²⁸, -C(O)OR²⁸, phenyl, phenyl substituted with (Z)_{p1}, D-3, D-4, D-21, D-47, D-50, D-51, D-53 or D-54,

R²⁰ is hydrogen atom or C₁-C₆alkyl,

R²⁸ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl C₁-C₄alkyl, C₃-C₆cycloalkyl, C₃-C₆alkenyl or C₃-C₆alkynyl,

R²⁹ is hydrogen atom or C₁-C₆alkyl,

R³⁰ is C₁-C₆alkyl,

R³¹ is hydrogen atom or C₁-C₆alkyl, and

n is an integer of 0 or 1.

6. The isoxazoline-substituted benzamide compound or the salt thereof according to claim 1, wherein the compound is

4-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)isoxazole-3-yl]-2-methyl-N-[2-oxo-2-[(2,2,2-trifluoroethyl)amino]ethyl]benzamide.

7. A pesticide containing as the active ingredient one or more selected from isoxazoline-substituted benzamide compound and the salt thereof according to any one of claims 1 to 6.

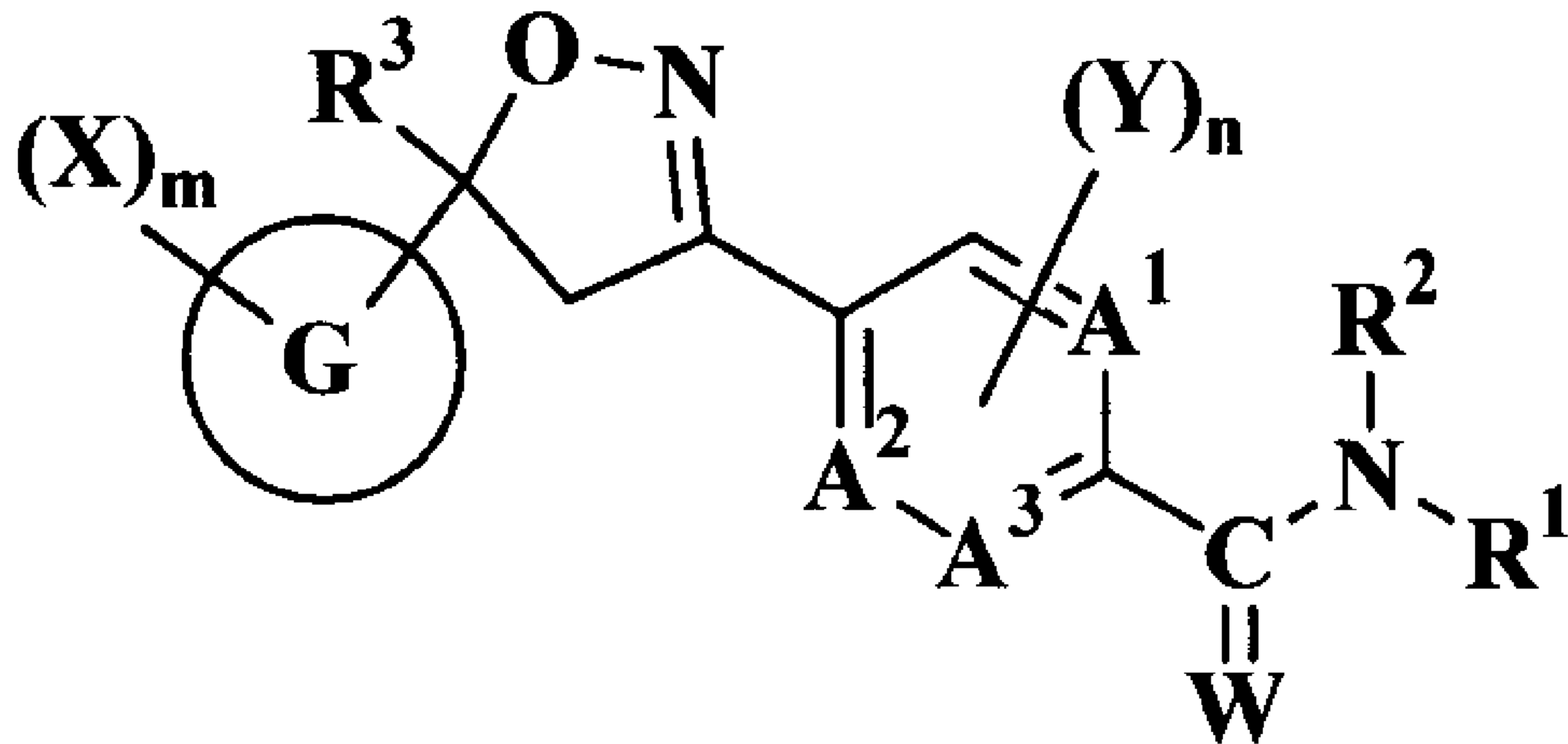
8. An agrochemical containing as the active ingredient one or more selected from isoxazoline-substituted benzamide compound and the salt thereof according to any one of claims 1 to 6.

9. An endo- or ecto-parasiticide for mammals or birds containing as the active ingredient one or more selected from isoxazoline-substituted benzamide compound and the salt thereof according to any one of claims 1 to 6.

10. An insecticide or acaricide containing as the active ingredient one or more selected from isoxazoline-substituted benzamide compound and the salt thereof according to any one of claims 1 to 6.

11. An apparatus for administering the endo- or ecto-parasiticide for mammals or birds according to claim 9, the apparatus comprising a member selected from the group consisting of a strip, a plate, a band, a collar, an ear mark, a limb band and a label to which the isoxazoline-substituted benzamide compound has been applied.
12. The endo- or ecto-parasiticide for mammals or birds according to claim 9, which is in a form suitable for intramuscular, subcutaneous, intravenous or intraperitoneal injection.
13. The endo- or ecto-parasiticide for mammals or birds according to claim 9, which is a form suitable for transdermal administration by dipping, spray, bathing, washing, pouring-on, spotting-on or dusting.
14. The endo- or ecto-parasiticide for mammals or birds according to claim 9, which is in a form suitable for oral administration.
15. The endo- or ecto-parasiticide for mammals or birds according to claim 9, which is in a form suitable for transnasal administration.
16. The endo- or ecto-parasiticide for mammals or birds according to claim 9, which is for use in a method for controlling Siphonaptera insects.
17. The endo- or ecto-parasiticide for mammals or birds according to claim 16, wherein the Siphonaptera insects are selected from the group consisting of Ctenocephalidae felis, Ctenocephalides canis, Echidnophaga gallinacea, Pulex irritans and Xenopsylla cheopis.
18. The endo- or ecto-parasiticide for mammals or birds according to claim 9, which is for use in a method for controlling Ixodides.

19. The endo- or ecto-parasiticide for mammals or birds according to claim 18, wherein the Ixodides are selected from the group consisting of *Boophilus microplus*, *Rhipicephalus sanguineus*, *Haemaphysalis longicornis*, *Haemaphysalis flava*, *Haemaphysalis campanulata*, *Ixodes ovatus*, *Ixodes persulcatus*, *Amblyomma* spp. And *Dermacentor* spp.



(1)