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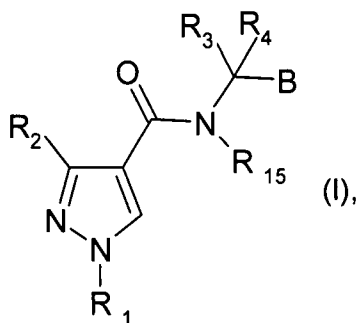
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(54) Title: NOVEL MICROBIOCIDES



(57) Abstract: Compounds of the formula I in which the substituents are as defined in claim 1, are suitable for use as microbicides.

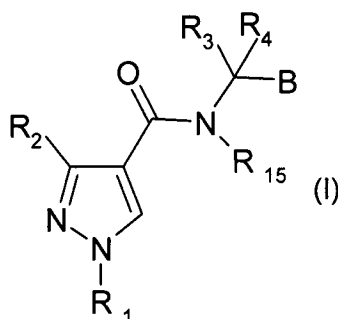
Novel Microbiocides

The present invention relates to novel microbiocidally active, in particular fungicidally active, pyrazole-4-carboxylic acid amides, which are at least di-substituted at the methylene group. It further relates to intermediates used in the preparation of these compounds, to compositions which comprise these compounds and to their use in agriculture or horticulture for controlling or preventing infestation of plants by phytopathogenic microorganisms, preferably fungi.

Herbicidally active carboxamides which are substituted at the nitrogen atom by a benzyl group and at the carbonyl group by a pyridyl, pyrazolyl or thiazolyl group are described in WO 2005/070889. N-cycloalkyl-benzyl-amide derivatives are disclosed in WO 2007/087906.

It has been found that novel pyrazole-4-carboxylic acid amides have microbiocidal activity.

The present invention accordingly relates to compounds of formula I



wherein

R₁ is C₁-C₄alkyl;

R₂ is C₁-C₄haloalkyl;

R₃ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₂-C₆alkynyl or C₂-C₆haloalkynyl;

R₄ is hydrogen, C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₂-C₆alkynyl or C₂-C₆haloalkynyl;

or R₃ and R₄ together are a C₂-C₅alkylene group, which is can be mono- or polysubstituted by C₁-C₆alkyl;

B is phenyl, naphthyl or a 5 to 10-membered monocyclic- or fused bicyclic heteroaromatic ring system containing one to three heteroatoms, each heteroatom is independently selected

from oxygen, nitrogen and sulphur, wherein the phenyl group is mono- or polysubstituted by substituents selected from R_5 ; and wherein the naphthyl or 5 to 10-membered monocyclic- or fused bicyclic heteroaromatic ring system can be mono- or polysubstituted by substituents selected from R_5 ; it not being possible for each ring system to contain more than 2 oxygen atoms and more than 2 sulfur atoms;

each substituent R_5 independently of each other, is halogen, C_1 - C_6 haloalkoxy, C_1 - C_6 haloalkylthio, cyano, nitro or $-C(R^a)=N(OR^b)$; or is

C_1 - C_6 alkyl, which can be mono- or polysubstituted by R_6 ;

C_3 - C_6 cycloalkyl, which can be mono- or polysubstituted by R_6 ;

C_6 - C_{14} bicycloalkyl, which can be mono- or polysubstituted by R_6 ;

C_2 - C_6 alkenyl, which can be mono- or polysubstituted by R_6 ;

C_2 - C_6 alkynyl, which can be mono- or polysubstituted by R_6 ;

phenyl, which can be mono- or polysubstituted by R_6 ; or

phenoxy, which can be mono- or polysubstituted by R_6 ;

each R_6 independently of each other, is halogen, nitro, C_3 - C_6 cycloalkyl, C_1 - C_6 alkoxy, C_1 - C_6 haloalkoxy, C_1 - C_6 alkylthio, C_1 - C_6 haloalkylthio, C_3 - C_6 alkenyloxy, C_3 - C_6 alkynyloxy, phenyl, halophenyl or $-C(R^c)=N(OR^d)$;

each R^a and R^c independently of each other, is hydrogen or C_1 - C_6 alkyl; and

each R^b and R^d independently of each other, is C_1 - C_6 alkyl;

R_{15} is hydrogen or C_3 - C_7 cycloalkyl; with the proviso that B is different from phenyl if R_{15} is C_3 - C_7 cycloalkyl; and agronomically acceptable salts/isomers/structural isomers/stereoisomers/diastereoisomers/enantio-mers/tautomers and N-oxides of those compounds.

The alkyl groups occurring in the definitions of the substituents can be straight-chain or branched and are, for example, methyl, ethyl, *n*-propyl, *n*-butyl, *n*-pentyl, *n*-hexyl, *iso*-propyl, *n*-butyl, *sec*-butyl, *iso*-butyl or *tert*-butyl. Alkoxy, alkenyl and alkynyl radicals are derived from the alkyl radicals mentioned. The alkenyl and alkynyl groups can be mono- or di-unsaturated.

The cycloalkyl groups occurring in the definitions of the substituents are, for example, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl or cycloheptyl.

Halogen is generally fluorine, chlorine, bromine or iodine, preferably fluorine, bromine or chlorine. This also applies, correspondingly, to halogen in combination with other meanings, such as halogenalkyl or halogenalkoxy.

Haloalkyl groups preferably have a chain length of from 1 to 4 carbon atoms. Halonalkyl is, for example, fluoromethyl, difluoromethyl, trifluoromethyl, chloromethyl, dichloromethyl, trichloromethyl, 2,2,2-trifluoroethyl, 2-fluoroethyl, 2-chloroethyl, pentafluoroethyl, 1,1-difluoro-2,2,2-trichloroethyl, 2,2,3,3-tetrafluoroethyl and 2,2,2-trichloroethyl; preferably trichloromethyl, difluorochloromethyl, difluoromethyl, trifluoromethyl and dichlorofluoromethyl.

Alkoxy is, for example, methoxy, ethoxy, propoxy, i-propoxy, n-butoxy, isobutoxy, sec-butoxy and tert-butoxy; preferably methoxy and ethoxy. Halogenalkoxy is, for example, fluoromethoxy, difluoromethoxy, trifluoromethoxy, 2,2,2-trifluoroethoxy, 1,1,2,2-tetrafluoroethoxy, 2-fluoroethoxy, 2-chloroethoxy, 2,2-difluoroethoxy and 2,2,2-trichloroethoxy; preferably difluoromethoxy, 2-chloroethoxy and trifluoromethoxy.

Alkoxyalkyl is, for example, methoxymethyl, methoxyethyl, ethoxymethyl, ethoxyethyl, n-propoxymethyl, n-propoxyethyl, isopropoxymethyl or isopropoxyethyl.

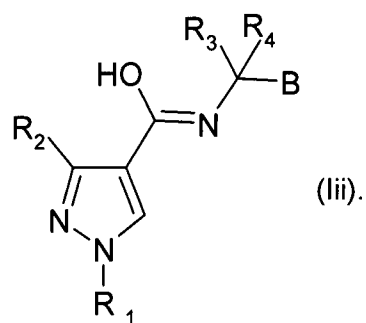
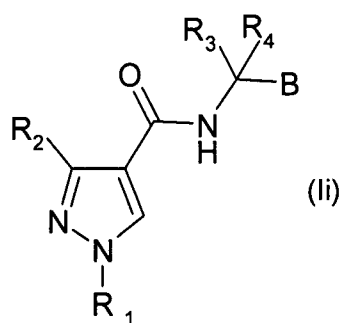
Halophenyl is preferably phenyl substituted by 1, 2 or 3 halogen atoms, for example 4-chloro-phenyl.

In the context of the present invention "mono- to polysubstituted" in the definition of the substituents, means typically, depending on the chemical structure of the substituents, monosubstituted to seven-times substituted, preferably monosubstituted to five-times substituted, more preferably mono-, double- or triple-substituted.

In the context of the present invention a "5 to 10-membered monocyclic- or fused bicyclic heterocyclic ring system containing one to three heteroatoms, each independently selected from oxygen, nitrogen and sulphur" is, depending of the number of ring members, for example, selected from the group consisting of pyrrolyl, pyridyl, pyrazolyl, pyrimidyl, pyrazinyl, imidazolyl, thiadiazolyl, quinazolinyl, furyl, oxadiazolyl, indoliziny, pyranly, isobenzofuranyl, thienyl, naphthyridinyl, (1-methyl-1H-pyrazol-3-yl)-, (1-ethyl-1H-pyrazol-3-yl)-, (1-propyl-1H-pyrazol-3-yl)-, (1H-pyrazol-3-yl)-, (1,5-dimethyl-1H-pyrazol-3-yl)-, (4-chloro-

1-methyl-1H-pyrazol-3-yl)-, (1H-pyrazol-1-yl)-, (3-methyl-1H-pyrazol-1-yl)-, (3,5-dimethyl-1H-pyrazol-1-yl)-, (3-isoxazolyl)-, (5-methyl-3-isoxazolyl)-, (3-methyl-5-isoxazolyl)-, (5-isoxazolyl)-, (1H-pyrrol-2-yl)-, (1-methyl-1H-pyrrol-2-yl)-, (1H-pyrrol-1-yl)-, (1-methyl-1H-pyrrol-3-yl)-, (2-furanyl)-, (5-methyl-2-furanyl)-, (3-furanyl)-, (5-methyl-2-thienyl)-, (2-thienyl)-, (3-thienyl)-, (1-methyl-1H-imidazol-2-yl)-, (1H-imidazol-2-yl)-, (1-methyl-1H-imidazol-4-yl)-, (1-methyl-1H-imidazol-5-yl)-, (4-methyl-2-oxazolyl)-, (5-methyl-2-oxazolyl)-, (2-oxazolyl)-, (2-methyl-5-oxazolyl)-, (2-methyl-4-oxazolyl)-, (4-methyl-2-thiazolyl)-, (5-methyl-2-thiazolyl)-, (2-thiazolyl)-, (2-methyl-5-thiazolyl)-, (2-methyl-4-thiazolyl)-, (3-methyl-4-isothiazolyl)-, (3-methyl-5-isothiazolyl)-, (5-methyl-3-isothiazolyl)-, (1-methyl-1H-1,2,3-triazol-4-yl)-, (2-methyl-2H-1,2,3-triazol-4-yl)-, (4-methyl-2H-1,2,3-triazol-2-yl)-, (1-methyl-1H-1,2,4-triazol-3-yl)-, (1,5-dimethyl-1H-1,2,4-triazol-3-yl)-, (3-methyl-1H-1,2,4-triazol-1-yl)-, (5-methyl-1H-1,2,4-triazol-1-yl)-, (4,5-dimethyl-4H-1,2,4-triazol-3-yl)-, (4-methyl-4H-1,2,4-triazol-3-yl)-, (4H-1,2,4-triazol-4-yl)-, (5-methyl-1,2,3-oxadiazol-4-yl)-, (1,2,3-oxadiazol-4-yl)-, (3-methyl-1,2,4-oxadiazol-5-yl)-, (5-methyl-1,2,4-oxadiazol-3-yl)-, (4-methyl-3-furazanyl)-, (3-furazanyl)-, (5-methyl-1,2,4-oxadiazol-2-yl)-, (5-methyl-1,2,3-thiadiazol-4-yl)-, (1,2,3-thiadiazol-4-yl)-, (3-methyl-1,2,4-thiadiazol-5-yl)-, (5-methyl-1,2,4-thiadiazol-3-yl)-, (4-methyl-1,2,5-thiadiazol-3-yl)-, (5-methyl-1,3,4-thiadiazol-2-yl)-, (1-methyl-1H-tetrazol-5-yl)-, (1H-tetrazol-5-yl)-, (5-methyl-1H-tetrazol-1-yl)-, (2-methyl-2H-tetrazol-5-yl)-, (2-ethyl-2H-tetrazol-5-yl)-, (5-methyl-2H-tetrazol-2-yl)-, (2H-tetrazol-2-yl)-, (2-pyridyl)-, (6-methyl-2-pyridyl)-, (4-pyridyl)-, (3-pyridyl)-, (6-methyl-3-pyridaziny)-, (5-methyl-3-pyridaziny)-, (3-pyridaziny)-, (4,6-dimethyl-2-pyrimidinyl)-, (4-methyl-2-pyrimidinyl)-, (2-pyrimidinyl)-, (2-methyl-4-pyrimidinyl)-, (2-chloro-4-pyrimidinyl)-, (2,6-dimethyl-4-pyrimidinyl)-, (4-pyrimidinyl)-, (2-methyl-5-pyrimidinyl)-, (6-methyl-2-pyrazinyl)-, (2-pyrazinyl)-, (4,6-dimethyl-1,3,5-triazin-2-yl)-, (4,6-dichloro-1,3,5-triazin-2-yl)-, (1,3,5-triazin-2-yl)-, (4-methyl-1,3,5-triazin-2-yl)-, (3-methyl-1,2,4-triazin-5-yl)-, (3-methyl-1,2,4-triazin-6-yl)-, benzothienyl, quinolyl, isoquinolyl, quinoxaliny, quinazolinyl, cinnolinyl and phthalazinyl, in particular selected from pyrazolyl (especially pyrazol-4-yl), thiazolyl (especially thiazol-5-yl), pyrrolyl (especially pyrrol-3-yl), 1,2,3 triazolyl, oxazolyl (especially oxazol-5-yl), pyridyl (especially pyrid-3-yl) and 2,3 dihydro-[1,4]oxathiinyl (especially 2,3 dihydro-[1,4]oxathiin-5-yl).

The compounds of formula I can occur in different isomeric forms; the invention covers all those isomers and mixtures thereof. The compounds of formula I may occur in different tautomeric forms. For example, compounds of formula I, wherein R₁₅ is hydrogen, exist in the tautomeric forms I_I and I_{II}:



The invention covers all those tautomeric forms and mixtures thereof.

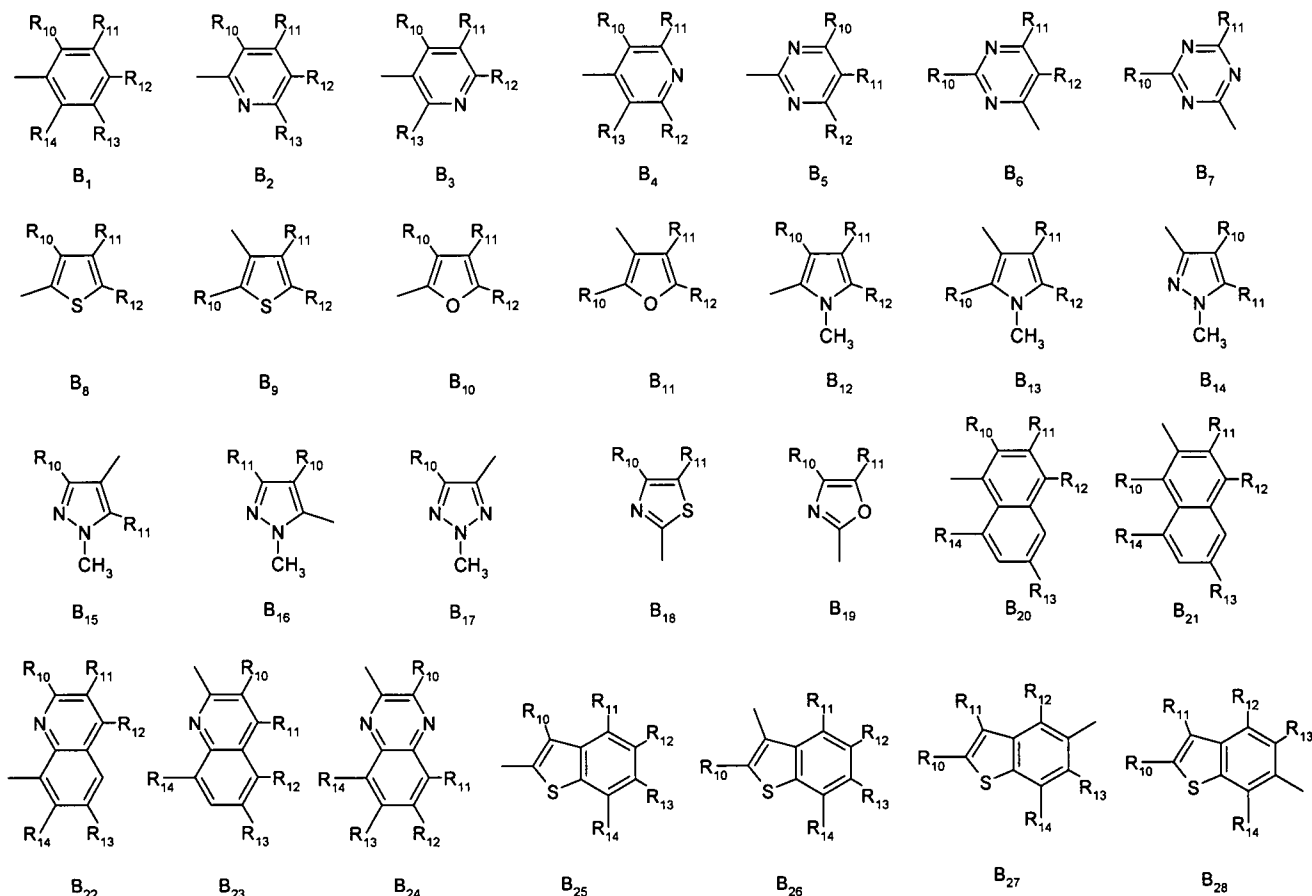
Preferably, R_{15} is hydrogen.

In preferred groups of compounds,

- a) R_1 is methyl; and/or
- b) R_2 is difluoromethyl; and/or
- c) R_3 is methyl; and/or
- d) R_4 is hydrogen.

In a preferred group of compounds of formula I, B is selected from the following groups B_1 to B_{28} :

- 6 -



wherein

R₁₀ is in particular hydrogen, C₁-C₄alkyl, C₁-C₄haloalkyl, halogen, C₂-C₆alkynyl, C₁-C₄alkylamino, C₁-C₄alkylcarbonyl, C₁-C₄alkoxy or cyano, preferably chloro, trifluoromethyl or methyl;

R₁₁ is in particular hydrogen, C₁-C₄alkyl, C₁-C₄haloalkyl, halogen, C₂-C₆alkynyl, or phenyl substituted by halogen, preferably hydrogen, methyl or chloro;

R₁₂ is in particular hydrogen, -CHO, C₁-C₄alkyl, C₂-C₄alkenyloxy, C₂-C₄haloalkenyloxy, C₁-C₄alkylcarbonyl, C₁-C₄haloalkyl, halogen, C₂-C₆alkynyl which may be mono- or disubstituted by substituents selected from C₁-C₄alkoxy and phenyl which phenyl group in turn may be substituted by halogen, or is phenyl substituted by halogen, or is phenoxy substituted by halogen or C₁-C₄haloalkyl, or is pyridyloxy which may be mono- or di substituted by substituents selected from halogen and C₁-C₄haloalkyl, C₃-C₆cycloalkyl and C₂-C₆haloalkenyloxy, or R₁₂ is a group -C(R^a)=N(OR^b), wherein R^a is C₁-C₄alkyl and R^b is C₁-C₄alkyl;

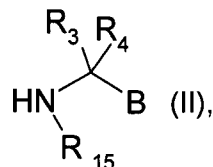
R₁₃ is in particular hydrogen, C₁-C₄alkyl, or halogen, preferably hydrogen; and

- 7 -

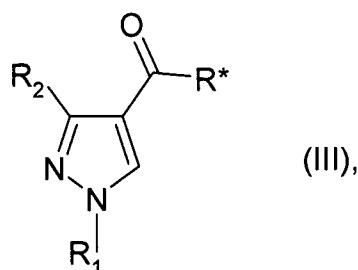
R₁₄ is in particular hydrogen, C₁-C₄alkyl, or halogen, preferably hydrogen.

In especially preferred compound of formula I, B is B₁.

Compounds of formula I may be prepared by reacting a compound of formula II



wherein B, R₃, R₄ and R₁₅ are as defined under formula I, with a compound of formula III

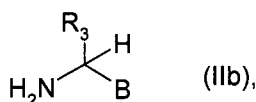


in which R₁ and R₂ are defined under formula I, and R* is halogen, hydroxy or C₁₋₆ alkoxy, preferably chloro, in the presence of a base, such as triethylamine, Hunig base, sodium bicarbonate, sodium carbonate, potassium carbonate, pyridine or quinoline, but preferably triethylamine, and in a solvent, such as diethylether, TBME, THF, dichloromethane, chloroform, DMF or NMP, for between 10 minutes and 48 hours, preferably 12 to 24 hours, and at temperatures between 0° C and reflux, preferably 20 to 25 °C.

When R* is hydroxy, a coupling agent, such as benzotriazol-1-yloxytris(dimethylamino) phosphoniumhexafluorophosphate, bis-(2-oxo-3-oxazolidinyl)-phosphinic acid chloride (BOP-Cl), N,N'-dicyclohexylcarbodiimide (DCC) or 1,1'-carbonyl-diimidazole (CDI), may be used.

Intermediates of the formula II, in which B, R₃, R₄ and R₁₅ are as defined under formula I; may be prepared according to the following reaction schemes (schemes 1 to 4) or in analogy to those reaction schemes (shown for R₁₅ is hydrogen, compounds wherein R₁₅ is C₃-C₇cyclopropyl can be prepared analogously, see also Tetrahedron 57, (2001), 4507-4522).

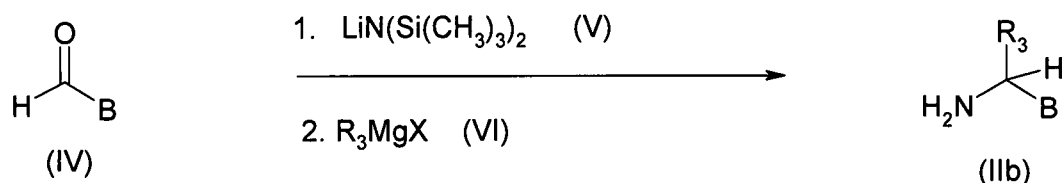
Intermediates of formula IIb



in which B and R₃ are as defined under formula commercially available or are readily prepared by numerous well known methods, several of which are described in schemes 1 to 3.

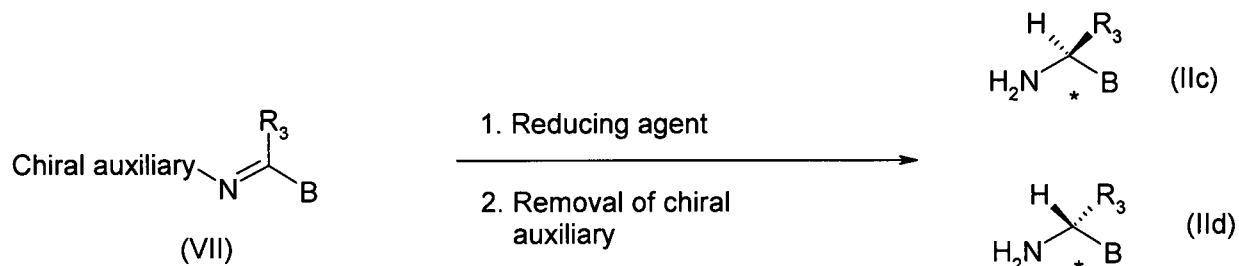
As shown in scheme 1, compounds of formula IIb can be prepared from aldehyds by the method of Hart et al as described in *J. Org. Chem.* **1983**, 48(3), 289-298. Lithium bis(trimethylsilyl)amide V, which can be prepared by treatment of 1,1,1,3,3,3-hexamethyldisilazane with a strong base such as lithium diisopropylamide or n-butyllithium, is reacted with an aldehyde of formula IV in a suitable solvent such as tetrahydrofuran or diethylether at temperatures ranging from -78°C to room temperature. The addition of a Grignard reagent of formula VI then provides an amine of formula IIb.

Scheme 1:



As shown in scheme 2, amines of formula IIc or IId having a chiral center denoted by the asterisk (*) in formula IIc and IId can be prepared enantiomerically enriched with the depicted configuration by the reduction of chiral imines of formula VII using methods analogous to those described U.S. Patent Application Publication 2002/103400 or *Organic Letters* **2003**, 5(7), 1007-1010.

Scheme 2:

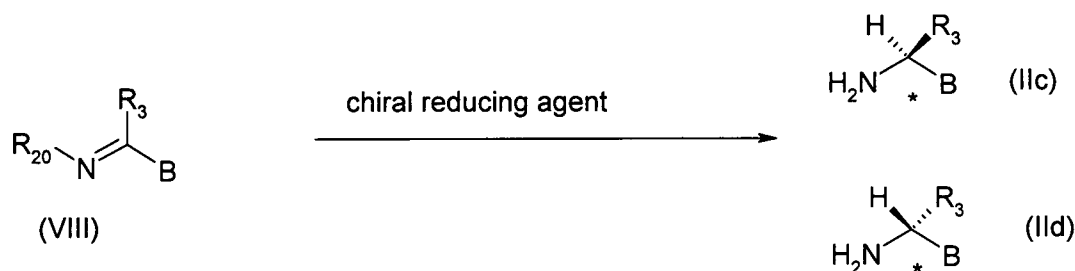


The chiral imine of formula VII comprises a chiral auxiliary group, which transfers chirality to the new chiral center created during reduction. The chiral auxiliary is chosen to provide the new center with the absolute configuration depicted for formula IIc. Examples of reducing agents useful for reducing the imine include sodium borohydride and lithium aluminium

hydride. The chiral auxiliary is removed after the imine is reduced, either by reduction or hydrolysis depending on the choice of chiral auxiliary.

Alternatively as shown in scheme 3, a chiral enriched amine of formula IIc or IId can be prepared by reducing an imine of formula VIII with one of the many chiral reducing agents known in the art. Such chiral reducing agents include enzymes (see, for example PCT Patent Application Publication WO 03/048151) and chiral complexes (see, for example *J. Chem. Soc., Perkin Trans. 1*, **1990**, 7, 1859-1863 and X. Zhang et al. *J. Org. Chem.* **2003**, 68, 4120-4122).

Scheme 3:

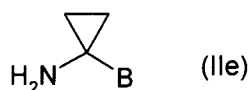


wherein R₂₀ is H, or groups such as OH, C₁-C₃ alkoxy, C(O)CH₃, SiMe₃ or optionally substituted phenyl.

Chiral amines of formula IIc can also be prepared by additional methods taught by L. Storace et al. in *Organic Process Research & Development* **2002**, 54-63.

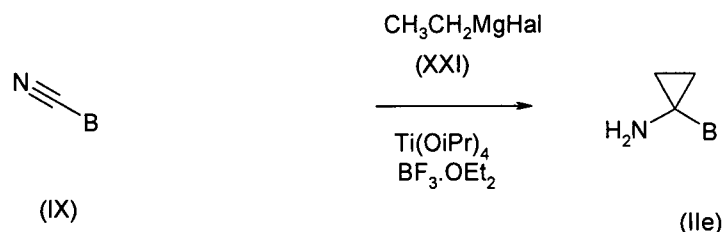
Methods are well known in the art for separating pure enantiomers of chiral amines from enantiomerically enriched or even racemic mixtures. These methods include liquid chromatography on columns comprising a chiral support and recrystallization of salts of amines of formula IIb with chiral carboxylic acids such as tartaric acid.

Intermediates of formula IIe



in which B is as defined under formula I may be prepared as described in reaction scheme 4.

Scheme 4:



Nitriles of formula IX can undergo a Ti-(II)-mediated coupling with a Grignard-reagent of formula XXI, in which Hal stands for halogen, to afford the desired compounds of formula IIe. Reaction conditions for this reaction are described, for example, by P. Bertus and J. Szymoniak (*J. Org. Chem.*, 2002, 67, 3965-3968) and in EP-1-595-873.

The compounds of the formula III, wherein the substituents as described above, are known and partially commercially available. They can be prepared analogously as described, for example, in WO 00/09482, WO 02/38542, WO 04/018438, EP-0-589-301, WO 93/11117 and Arch. Pharm. Res. 2000, 23(4), 315-323.

For preparing all further compounds of formula I functionalized according to the definitions of B, R₁, R₂, R₃, R₄, and R₁₅, there are a large number of suitable known standard methods, such as alkylation, halogenation, acylation, amidation, oximation, oxidation and reduction. The choice of the preparation methods which are suitable are depending on the properties (reactivity) of the substituents in the intermediates.

The reactions to give compounds of formula I are advantageously carried out in aprotic inert organic solvents. Such solvents are hydrocarbons such as benzene, toluene, xylene or cyclohexane, chlorinated hydrocarbons such as dichloromethane, trichloromethane, tetrachloromethane or chlorobenzene, ethers such as diethyl ether, ethylene glycol dimethyl ether, diethylene glycol dimethyl ether, tetrahydrofuran or dioxane, nitriles such as acetonitrile or propionitrile, amides such as N,N-dimethylformamide, diethylformamide or N-methylpyrrolidinone. The reaction temperatures are advantageously between -20°C and +120°C. In general, the reactions are slightly exothermic and, as a rule, they can be carried out at room temperature. To shorten the reaction time, or else to start the reaction, the mixture may be heated briefly to the boiling point of the reaction mixture. The reaction times can also be shortened by adding a few drops of base as reaction catalyst. Suitable bases are, in particular, tertiary amines such as trimethylamine, triethylamine, quinuclidine, 1,4-diazabicyclo[2.2.2]octane, 1,5-diazabicyclo[4.3.0]non-5-ene or 1,5-diazabicyclo-

[5.4.0]undec-7-ene. However, inorganic bases such as hydrides, e.g. sodium hydride or calcium hydride, hydroxides, e.g. sodium hydroxide or potassium hydroxide, carbonates such as sodium carbonate and potassium carbonate, or hydrogen carbonates such as potassium hydrogen carbonate and sodium hydrogen carbonate may also be used as bases. The bases can be used as such or else with catalytic amounts of a phase-transfer catalyst, for example a crown ether, in particular 18-crown-6, or a tetraalkylammonium salt.

The compounds of formula I can be isolated in the customary manner by concentrating and/or by evaporating the solvent and purified by recrystallization or trituration of the solid residue in solvents in which they are not readily soluble, such as ethers, aromatic hydrocarbons or chlorinated hydrocarbons.

The compounds I and, where appropriate, the tautomers thereof, can be present in the form of one of the isomers which are possible or as a mixture of these, for example in the form of pure isomers, such as antipodes and/or diastereomers, or as isomer mixtures, such as enantiomer mixtures, for example racemates, diastereomer mixtures or racemate mixtures, depending on the number, absolute and relative configuration of asymmetric carbon atoms which occur in the molecule and/or depending on the configuration of non-aromatic double bonds which occur in the molecule; the invention relates to the pure isomers and also to all isomer mixtures which are possible and is to be understood in each case in this sense hereinabove and hereinbelow, even when stereochemical details are not mentioned specifically in each case.

The compounds I and, where appropriate, the tautomers thereof, can, if appropriate, also be obtained in the form of hydrates and/or include other solvents, for example those which may have been used for the crystallization of compounds which are present in solid form.

It has now been found that the compounds of formula I according to the invention have, for practical purposes, a very advantageous spectrum of activities for protecting useful plants against diseases that are caused by phytopathogenic microorganisms, such as fungi, bacteria or viruses.

The invention relates to a method of controlling or preventing infestation of useful plants by phytopathogenic microorganisms, wherein a compound of formula I is applied as active ingredient to the plants, to parts thereof or the locus thereof. The term "preventing

infestation" as used herein means reducing the probability that a disease, infestation, or growth of a fungus, will be established in a plant. The compounds of formula I according to the invention are distinguished by excellent activity at low rates of application, by being well tolerated by plants and by being environmentally safe. They have very useful curative, preventive and systemic properties and are used for protecting numerous useful plants. The compounds of formula I can be used to inhibit or destroy the diseases that occur on plants or parts of plants (fruit, blossoms, leaves, stems, tubers, roots) of different crops of useful plants, while at the same time protecting also those parts of the plants that grow later e.g. from phytopathogenic microorganisms.

It is also possible to use compounds of formula I as dressing agents for the treatment of plant propagation material, in particular of seeds (fruit, tubers, grains) and plant cuttings (e.g. rice), for the protection against fungal infections as well as against phytopathogenic fungi occurring in the soil.

Furthermore the compounds of formula I according to the invention may be used for controlling fungi in related areas, for example in the protection of technical materials, including wood and wood related technical products, in food storage or in hygiene management.

The compounds of formula I are, for example, effective against the phytopathogenic fungi of the following classes: Fungi imperfecti (e.g. Botrytis, Pyricularia, Helminthosporium, Fusarium, Septoria, Cercospora and Alternaria) and Basidiomycetes (e.g. Rhizoctonia, Hemileia, Puccinia). Additionally, they are also effective against the Ascomycetes classes (e.g. Venturia and Erysiphe, Podosphaera, Monilinia, Uncinula) and of the Oomycetes classes (e.g. Phytophthora, Pythium, Plasmopara). Outstanding activity has been observed against powdery mildew (Erysiphe spp.). Furthermore, the novel compounds of formula I are effective against phytopathogenic bacteria and viruses (e.g. against Xanthomonas spp, Pseudomonas spp, Erwinia amylovora as well as against the tobacco mosaic virus). Good activity has been observed against Asian soybean rust (Phakopsora pachyrhizi).

Within the scope of the invention, useful plants to be protected typically comprise the following species of plants: cereal (wheat, barley, rye, oat, rice, maize, sorghum and related species); beet (sugar beet and fodder beet); pomes, drupes and soft fruit (apples, pears,

plums, peaches, almonds, cherries, strawberries, raspberries and blackberries); leguminous plants (beans, lentils, peas, soybeans); oil plants (rape, mustard, poppy, olives, sunflowers, coconut, castor oil plants, cocoa beans, groundnuts); cucumber plants (pumpkins, cucumbers, melons); fibre plants (cotton, flax, hemp, jute); citrus fruit (oranges, lemons, grapefruit, mandarins); vegetables (spinach, lettuce, asparagus, cabbages, carrots, onions, tomatoes, potatoes, paprika); lauraceae (avocado, cinnamomum, camphor) or plants such as tobacco, nuts, coffee, eggplants, sugar cane, tea, pepper, vines, hops, bananas and natural rubber plants, as well as ornamentals.

The term "useful plants" is to be understood as including also useful plants that have been rendered tolerant to herbicides like bromoxynil or classes of herbicides (such as, for example, HPPD inhibitors, ALS inhibitors, for example primisulfuron, prosulfuron and trifloxysulfuron, EPSPS (5-enol-pyrovyl-shikimate-3-phosphate-synthase) inhibitors, GS (glutamine synthetase) inhibitors or PPO (protoporphyrinogen-oxidase) inhibitors) as a result of conventional methods of breeding or genetic engineering. An example of a crop that has been rendered tolerant to imidazolinones, e.g. imazamox, by conventional methods of breeding (mutagenesis) is Clearfield® summer rape (Canola). Examples of crops that have been rendered tolerant to herbicides or classes of herbicides by genetic engineering methods include glyphosate- and glufosinate-resistant maize varieties commercially available under the trade names RoundupReady®, Herculex I® and LibertyLink®.

The term "useful plants" is to be understood as including also useful plants which have been so transformed by the use of recombinant DNA techniques that they are capable of synthesising one or more selectively acting toxins, such as are known, for example, from toxin-producing bacteria, especially those of the genus *Bacillus*.

The term "useful plants" is to be understood as including also useful plants which have been so transformed by the use of recombinant DNA techniques that they are capable of synthesising antipathogenic substances having a selective action, such as, for example, the so-called "pathogenesis-related proteins" (PRPs, see e.g. EP-A-0 392 225). Examples of such antipathogenic substances and transgenic plants capable of synthesising such antipathogenic substances are known, for example, from EP-A-0 392 225, WO 95/33818, and EP-A-0 353 191. The methods of producing such transgenic plants are generally known to the person skilled in the art and are described, for example, in the publications mentioned above.

The term "locus" of a useful plant as used herein is intended to embrace the place on which the useful plants are growing, where the plant propagation materials of the useful plants are sown or where the plant propagation materials of the useful plants will be placed into the soil. An example for such a locus is a field, on which crop plants are growing.

The term "plant propagation material" is understood to denote generative parts of the plant, such as seeds, which can be used for the multiplication of the latter, and vegetative material, such as cuttings or tubers, for example potatoes. There may be mentioned for example seeds (in the strict sense), roots, fruits, tubers, bulbs, rhizomes and parts of plants. Germinated plants and young plants which are to be transplanted after germination or after emergence from the soil, may also be mentioned. These young plants may be protected before transplantation by a total or partial treatment by immersion. Preferably "plant propagation material" is understood to denote seeds.

The compounds of formula I can be used in unmodified form or, preferably, together with carriers and adjuvants conventionally employed in the art of formulation.

Therefore the invention also relates to compositions for controlling and protecting against phytopathogenic microorganisms, comprising a compound of formula I and an inert carrier, and to a method of controlling or preventing infestation of useful plants by phytopathogenic microorganisms, wherein a composition, comprising a compound of formula I as active ingredient and an inert carrier, is applied to the plants, to parts thereof or the locus thereof.

To this end compounds of formula I and inert carriers are conveniently formulated in known manner to emulsifiable concentrates, coatable pastes, directly sprayable or dilutable solutions, dilute emulsions, wettable powders, soluble powders, dusts, granulates, and also encapsulations e.g. in polymeric substances. As with the type of the compositions, the methods of application, such as spraying, atomising, dusting, scattering, coating or pouring, are chosen in accordance with the intended objectives and the prevailing circumstances. The compositions may also contain further adjuvants such as stabilizers, antifoams, viscosity regulators, binders or tackifiers as well as fertilizers, micronutrient donors or other formulations for obtaining special effects.

Suitable carriers and adjuvants can be solid or liquid and are substances useful in formulation technology, e.g. natural or regenerated mineral substances, solvents, dispersants, wetting agents, tackifiers, thickeners, binders or fertilizers. Such carriers are for example described in WO 97/33890.

The compounds of formula I or compositions, comprising a compound of formula I as active ingredient and an inert carrier, can be applied to the locus of the plant or plant to be treated, simultaneously or in succession with further compounds. These further compounds can be e.g. fertilizers or micronutrient donors or other preparations which influence the growth of plants. They can also be selective herbicides as well as insecticides, fungicides, bactericides, nematocides, molluscicides or mixtures of several of these preparations, if desired together with further carriers, surfactants or application promoting adjuvants customarily employed in the art of formulation.

A preferred method of applying a compound of formula I, or a composition, comprising a compound of formula I as active ingredient and an inert carrier, is foliar application. The frequency of application and the rate of application will depend on the risk of infestation by the corresponding pathogen. However, the compounds of formula I can also penetrate the plant through the roots via the soil (systemic action) by drenching the locus of the plant with a liquid formulation, or by applying the compounds in solid form to the soil, e.g. in granular form (soil application). In crops of water rice such granulates can be applied to the flooded rice field. The compounds of formula I may also be applied to seeds (coating) by impregnating the seeds or tubers either with a liquid formulation of the fungicide or coating them with a solid formulation.

A formulation, i.e. a composition comprising the compound of formula I and, if desired, a solid or liquid adjuvant, is prepared in a known manner, typically by intimately mixing and/or grinding the compound with extenders, for example solvents, solid carriers and, optionally, surface-active compounds (surfactants).

The agrochemical formulations will usually contain from 0.1 to 99% by weight, preferably from 0.1 to 95% by weight, of the compound of formula I, 99.9 to 1% by weight, preferably 99.8 to 5% by weight, of a solid or liquid adjuvant, and from 0 to 25% by weight, preferably from 0.1 to 25% by weight, of a surfactant.

Whereas it is preferred to formulate commercial products as concentrates, the end user will normally use dilute formulations.

Advantageous rates of application are normally from 5g to 2kg of active ingredient (a.i.) per hectare (ha), preferably from 10g to 1kg a.i./ha, most preferably from 20g to 600g a.i./ha. When used as seed drenching agent, convenient rates of application are from 10mg to 1g of active substance per kg of seeds. The rate of application for the desired action can be determined by experiments. It depends for example on the type of action, the developmental stage of the useful plant, and on the application (location, timing, application method) and can, owing to these parameters, vary within wide limits.

Surprisingly, it has now been found that the compounds of formula I can also be used in methods of protecting crops of useful plants against attack by phytopathogenic organisms as well as the treatment of crops of useful plants infested by phytopathogenic organisms comprising administering a combination of glyphosate and at least one compound of formula I to the plant or locus thereof, wherein the plant is resistant or sensitive to glyphosate.

Said methods may provide unexpectedly improved control of diseases compared to using the compounds of formula I in the absence of glyphosate. Said methods may be effective at enhancing the control of disease by compounds of formula I. While the mixture of glyphosate and at least one compound of formula I may increase the disease spectrum controlled, at least in part, by the compound of formula I, an increase in the activity of the compound of formula I on disease species already known to be controlled to some degree by the compound of formula I can also be the effect observed.

Said methods are particularly effective against the phytopathogenic organisms of the kingdom *Fungi*, phylum *Basidiomycot*, class *Uredinomycetes*, subclass *Urediniomycetidae* and the order *Uredinales* (commonly referred to as rusts). Species of rusts having a particularly large impact on agriculture include those of the family *Phakopsoraceae*, particularly those of the genus *Phakopsora*, for example *Phakopsora pachyrhizi*, which is also referred to as Asian soybean rust, and those of the family *Pucciniaceae*, particularly those of the genus *Puccinia* such as *Puccinia graminis*, also known as stem rust or black

rust, which is a problem disease in cereal crops and *Puccinia recondita*, also known as brown rust.

An embodiment of said method is a method of protecting crops of useful plants against attack by a phytopathogenic organism and/or the treatment of crops of useful plants infested by a phytopathogenic organism, said method comprising simultaneously applying glyphosate, including salts or esters thereof, and at least one compound of formula I, which has activity against the phytopathogenic organism to at least one member selected from the group consisting of the plant, a part of the plant and the locus of the plant.

The compounds of formula (I), or a pharmaceutical salt thereof, described above may also have an advantageous spectrum of activity for the treatment and/or prevention of microbial infection in an animal.

"Animal" can be any animal, for example, insect, mammal, reptile, fish, amphibian, preferably mammal, most preferably human. "Treatment" means the use on an animal which has microbial infection in order to reduce or slow or stop the increase or spread of the infection, or to reduce the infection or to cure the infection. "Prevention" means the use on an animal which has no apparent signs of microbial infection in order to prevent any future infection, or to reduce or slow the increase or spread of any future infection.

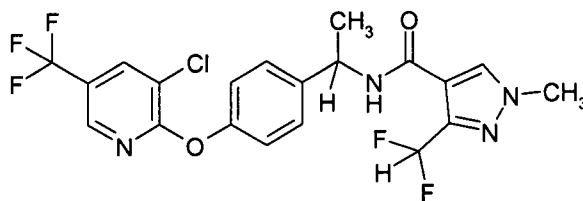
According to the present invention there is provided the use of a compound of formula (I) in the manufacture of a medicament for use in the treatment and/or prevention of microbial infection in an animal. There is also provided the use of a compound of formula (I) as a pharmaceutical agent. There is also provided the use of a compound of formula (I) as an antimicrobial agent in the treatment of an animal. According to the present invention there is also provided a pharmaceutical composition comprising as an active ingredient a compound of formula (I), or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable diluent or carrier. This composition can be used for the treatment and/or prevention of antimicrobial infection in an animal. This pharmaceutical composition can be in a form suitable for oral administration, such as tablet, lozenges, hard capsules, aqueous suspensions, oily suspensions, emulsions dispersible powders, dispersible granules, syrups and elixirs. Alternatively this pharmaceutical composition can be in a form suitable for topical application, such as a spray, a cream or lotion. Alternatively this pharmaceutical composition can be in a form suitable for parenteral administration, for example injection. Alternatively this pharmaceutical composition can be in inhalable form, such as an aerosol spray.

The compounds of formula (I) may be effective against various microbial species able to cause a microbial infection in an animal. Examples of such microbial species are those causing Aspergillosis such as *Aspergillus fumigatus*, *A. flavus*, *A. terreus*, *A. nidulans* and *A. niger*; those causing Blastomycosis such as *Blastomyces dermatitidis*; those causing Candidiasis such as *Candida albicans*, *C. glabrata*, *C. tropicalis*, *C. parapsilosis*, *C. krusei* and *C. lusitanae*; those causing Coccidioidomycosis such as *Coccidioides immitis*; those causing Cryptococcosis such as *Cryptococcus neoformans*; those causing Histoplasmosis such as *Histoplasma capsulatum* and those causing Zygomycosis such as *Absidia corymbifera*, *Rhizomucor pusillus* and *Rhizopus arrhizus*. Further examples are *Fusarium* Spp such as *Fusarium oxysporum* and *Fusarium solani* and *Scedosporium* Spp such as *Scedosporium apiospermum* and *Scedosporium prolificans*. Still further examples are *Microsporum* Spp, *Trichophyton* Spp, *Epidermophyton* Spp, *Mucor* Spp, *Sporothrix* Spp, *Phialophora* Spp, *Cladosporium* Spp, *Petriellidium* spp, *Paracoccidioides* Spp and *Histoplasma* Spp.

The following non-limiting Examples illustrate the above-described invention in greater detail without limiting it.

Preparation examples:

Example P1: Preparation of 3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid {1-[4-(3-chloro-5-trifluoromethyl-pyridin-2-yloxy)-phenyl]-ethyl}-amide (compound No. 1.040):

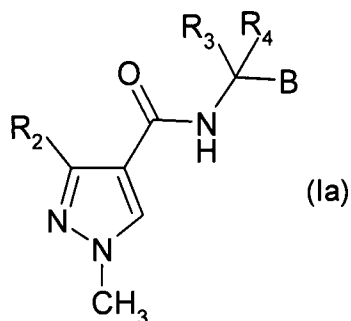


At 0°C, a solution of 3-difluoromethyl-1-methyl-1H-pyrazole-4-carbonyl chloride (97mg; 0.5 mmol) in dichloromethane (2ml) was added dropwise to a stirred solution of 158mg (0.5 mmol) of a 1-[4-(3-chloro-5-trifluoromethyl-pyridin-2-yloxy)-phenyl]-ethylamine, and triethylamine (0.1g; 1.0mmol) in dichloromethane (4ml). After stirring the mixture for 2 hours at ambient temperature, it was purified by column chromatography (using 60-120mesh-silica gel in hexane; eluent: ethyl acetate) to yield 70mg 3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid {1-[4-(3-chloro-5-trifluoromethyl-pyridin-2-yloxy)-phenyl]-ethyl}-amide (29.5% of theory) as a yellow waxy solid. ¹H NMR (400 MHz, CDCl₃): δ 1.47-

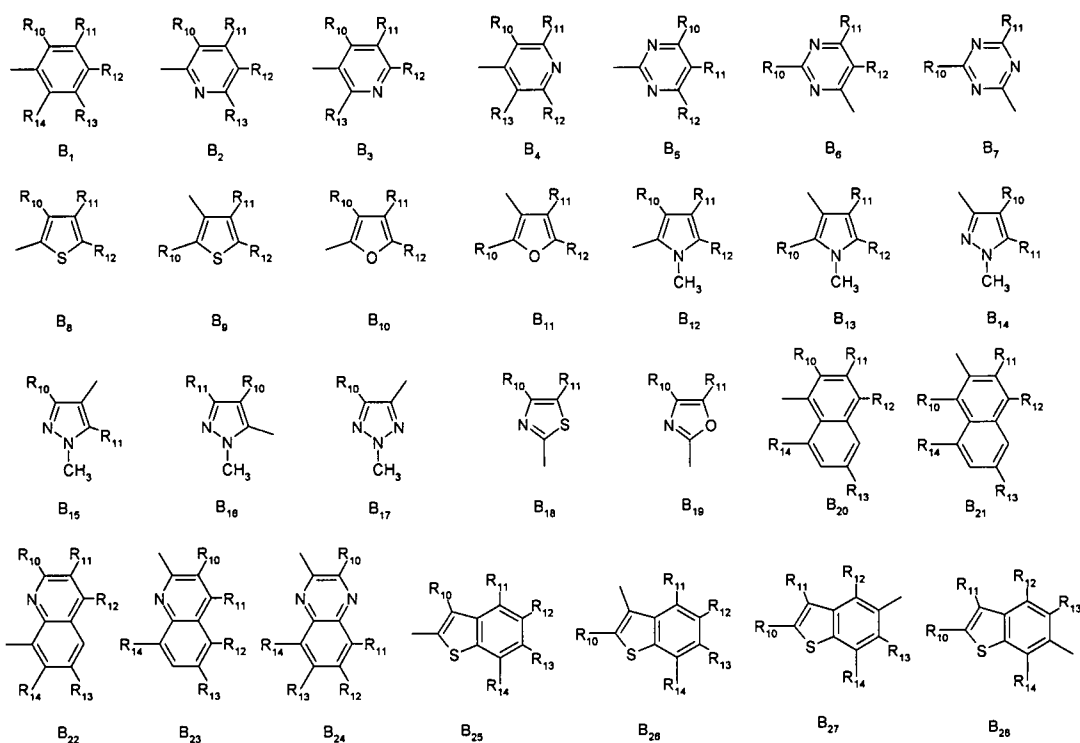
1.49(d,3H,CH₃), 3.78(s,3H,CH₃), 5.16-5.23(m,1H,CH), 6.67(s,1H,NH), 6.63-6.90(t,1H,CHF₂), 6.98(d,1H), 7.09(s,1H), 7.19(d,1H), 7.32(t,1H), 7.78(s,1H), 7.89(s,1H), 8.16(s,1H,pyrazole-H).

LC-MS [M+H]⁺: 475 / 477

The invention is further illustrated by the preferred individual compounds of formula (Ia)



listed in Table 1 below, wherein B is one of the preferred groups B₁ to B₂₈:



Characterising data is given in Table 2. In Table 1 below "Me" stands for methyl, "Et" stands for ethyl, "n-Pr" stands for n-propyl, "i-Pr" stands for isopropyl "c-Pr" stands for cyclopropyl,

“n-Bu” stands for n- butyl, “c-Bu” stands for cyclobutyl, “t-Bu” stands for tertiary butyl and “c-Hex” stands for cyclohexyl.

Table 1: preferred compounds of formula Ia:

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.001	CHF ₂	Me	H	B ₁	F	H	H	H	H
1.002	CHF ₂	Me	H	B ₁	H	F	H	H	H
1.003	CHF ₂	Me	H	B ₁	H	H	F	H	H
1.004	CHF ₂	Me	H	B ₁	Cl	H	H	H	H
1.005	CHF ₂	Me	H	B ₁	H	Cl	H	H	H
1.006	CHF ₂	Me	H	B ₁	H	H	Cl	H	H
1.007	CHF ₂	Me	H	B ₁	Br	H	H	H	H
1.008	CHF ₂	Me	H	B ₁	H	Br	H	H	H
1.009	CHF ₂	Me	H	B ₁	H	H	Br	H	H
1.010	CHF ₂	Me	H	B ₁	I	H	H	H	H
1.011	CHF ₂	Me	H	B ₁	H	I	H	H	H
1.012	CHF ₂	Me	H	B ₁	H	H	I	H	H
1.013	CHF ₂	Me	H	B ₁	CF ₃	H	H	H	H
1.014	CHF ₂	Me	H	B ₁	H	CF ₃	H	H	H
1.015	CHF ₂	Me	H	B ₁	H	H	CF ₃	H	H
1.016	CHF ₂	Me	H	B ₁	Me	H	H	H	H
1.017	CHF ₂	Me	H	B ₁	H	Me	H	H	H
1.018	CHF ₂	Me	H	B ₁	H	H	Me	H	H
1.019	CHF ₂	Me	H	B ₁	Et	H	H	H	H
1.020	CHF ₂	Me	H	B ₁	H	Et	H	H	H
1.021	CHF ₂	Me	H	B ₁	H	H	Et	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.022	CHF ₂	Me	H	B ₁	i-Pr	H	H	H	H
1.023	CHF ₂	Me	H	B ₁	H	i-Pr	H	H	H
1.024	CHF ₂	Me	H	B ₁	H	H	i-Pr	H	H
1.025	CHF ₂	Me	H	B ₁	t-Bu	H	H	H	H
1.026	CHF ₂	Me	H	B ₁	H	t-Bu	H	H	H
1.027	CHF ₂	Me	H	B ₁	H	H	t-Bu	H	H
1.028	CHF ₂	Me	H	B ₁	C≡C-H	H	H	H	H
1.029	CHF ₂	Me	H	B ₁	H	H	c-Hex	H	H
1.030	CHF ₂	Me	H	B ₁	H	H	C≡C-H	H	H
1.031	CHF ₂	Me	H	B ₁	H	p-Cl-phenyl	H	H	H
1.032	CHF ₂	Me	H	B ₁	H	H	p-Cl-phenyl	H	H
1.033	CHF ₂	Me	H	B ₁	H	p-F-phenyl	H	H	H
1.034	CHF ₂	Me	H	B ₁	H	H	p-F-phenyl	H	H
1.035	CHF ₂	Me	H	B ₁	H	H	phenoxy	H	H
1.036	CHF ₂	Me	H	B ₁	H	H	p-F-phenoxy	H	H
1.037	CHF ₂	Me	H	B ₁	H	H	p-Cl-phenoxy	H	H
1.038	CHF ₂	Me	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1.039	CHF ₂	Me	H	B ₁	H	H	o,p-Cl ₂ -phenoxy	H	H
1.040	CHF ₂	Me	H	B ₁	H	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1.041	CHF ₂	Me	H	B ₁	Cl	Cl	H	H	H
1.042	CHF ₂	Me	H	B ₁	Cl	H	Cl	H	H
1.043	CHF ₂	Me	H	B ₁	H	Cl	Cl	H	H
1.044	CHF ₂	Me	H	B ₁	Cl	H	H	H	Cl
1.045	CHF ₂	Me	H	B ₁	Cl	H	F	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.046	CHF ₂	Me	H	B ₁	Cl	H	I	H	H
1.047	CHF ₂	Me	H	B ₁	Cl	H	CF ₃	H	H
1.048	CHF ₂	Me	H	B ₁	Cl	H	Me	H	H
1.049	CHF ₂	Me	H	B ₁	Cl	H	Et	H	H
1.050	CHF ₂	Me	H	B ₁	Cl	H	n-Pr	H	H
1.051	CHF ₂	Me	H	B ₁	Cl	H	i-Pr	H	H
1.052	CHF ₂	Me	H	B ₁	Cl	H	c-Pr	H	H
1.053	CHF ₂	Me	H	B ₁	Cl	H	n-Bu	H	H
1.054	CHF ₂	Me	H	B ₁	Cl	H	c-Bu	H	H
1.055	CHF ₂	Me	H	B ₁	Cl	H	t-Bu	H	H
1.056	CHF ₂	Me	H	B ₁	Cl	H	c-Hex	H	H
1.057	CHF ₂	Me	H	B ₁	Cl	H	C≡C-H	H	H
1.058	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Me	H	H
1.059	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1.060	CHF ₂	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	H
1.061	CHF ₂	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1.062	CHF ₂	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1.063	CHF ₂	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1.064	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenyl	H	H
1.065	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1.066	CHF ₂	Me	H	B ₁	Cl	H	OCF ₃	H	H
1.067	CHF ₂	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1.068	CHF ₂	Me	H	B ₁	Cl	H	phenoxy	H	H
1.069	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenoxy	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.070	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1.071	CHF ₂	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1.072	CHF ₂	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1.073	CHF ₂	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1.074	CHF ₂	Me	H	B ₁	Cl	H	CHO	H	H
1.075	CHF ₂	Me	H	B ₁	Cl	H	CH=NOMe	H	H
1.076	CHF ₂	Me	H	B ₁	Cl	H	CH=NOEt	H	H
1.077	CHF ₂	Me	H	B ₁	Cl	H	COMe	H	H
1.078	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	H
1.079	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	H
1.080	CHF ₂	Me	H	B ₁	Me	Me	H	H	H
1.081	CHF ₂	Me	H	B ₁	Me	H	Me	H	H
1.082	CHF ₂	Me	H	B ₁	H	Me	Me	H	H
1.083	CHF ₂	Me	H	B ₁	Me	H	H	H	Me
1.084	CHF ₂	Me	H	B ₁	Me	H	I	H	H
1.085	CHF ₂	Me	H	B ₁	Me	H	CF ₃	H	H
1.086	CHF ₂	Me	H	B ₁	Me	H	Et	H	H
1.087	CHF ₂	Me	H	B ₁	Me	H	n-Pr	H	H
1.088	CHF ₂	Me	H	B ₁	Me	H	i-Pr	H	H
1.089	CHF ₂	Me	H	B ₁	Me	H	c-Pr	H	H
1.090	CHF ₂	Me	H	B ₁	Me	H	c-Bu	H	H
1.091	CHF ₂	Me	H	B ₁	Me	H	t-Bu	H	H
1.092	CHF ₂	Me	H	B ₁	Me	H	c-Hex	H	H
1.093	CHF ₂	Me	H	B ₁	Me	H	C≡C-H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.094	CHF ₂	Me	H	B ₁	Me	H	C≡C-Me	H	H
1.095	CHF ₂	Me	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1.096	CHF ₂	Me	H	B ₁	Me	H	C≡C-t-Bu	H	H
1.097	CHF ₂	Me	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1.098	CHF ₂	Me	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1.099	CHF ₂	Me	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1.100	CHF ₂	Me	H	B ₁	Me	H	p-F-phenyl	H	H
1.101	CHF ₂	Me	H	B ₁	Me	H	p-Cl-phenyl	H	H
1.102	CHF ₂	Me	H	B ₁	Me	H	OCF ₃	H	H
1.103	CHF ₂	Me	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1.104	CHF ₂	Me	H	B ₁	Me	H	phenoxy	H	H
1.105	CHF ₂	Me	H	B ₁	Me	H	p-F-phenoxy	H	H
1.106	CHF ₂	Me	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1.107	CHF ₂	Me	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1.108	CHF ₂	Me	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1.109	CHF ₂	Me	H	B ₁	Me	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1.110	CHF ₂	Me	H	B ₁	Me	H	CHO	H	H
1.111	CHF ₂	Me	H	B ₁	Me	H	CH=NOMe	H	H
1.112	CHF ₂	Me	H	B ₁	Me	H	CH=NOEt	H	H
1.113	CHF ₂	Me	H	B ₁	Me	H	COMe	H	H
1.114	CHF ₂	Me	H	B ₁	Me	H	C(Me)=NOMe	H	H
1.115	CHF ₂	Me	H	B ₁	Me	H	C(Me)=NOEt	H	H
1.116	CHF ₂	Me	H	B ₁	H	Cl	Cl	Cl	H
1.117	CHF ₂	Me	H	B ₁	Cl	Cl	Cl	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.118	CHF ₂	Me	H	B ₁	Cl	H	Cl	Cl	H
1.119	CHF ₂	Me	H	B ₁	Cl	H	Cl	H	Cl
1.120	CHF ₂	Me	H	B ₁	Cl	H	Br	H	Cl
1.121	CHF ₂	Me	H	B ₁	Cl	H	I	H	Cl
1.122	CHF ₂	Me	H	B ₁	Cl	H	CF ₃	H	Cl
1.123	CHF ₂	Me	H	B ₁	Cl	H	Me	H	Cl
1.124	CHF ₂	Me	H	B ₁	Cl	H	Et	H	Cl
1.125	CHF ₂	Me	H	B ₁	Cl	H	n-Pr	H	Cl
1.126	CHF ₂	Me	H	B ₁	Cl	H	i-Pr	H	Cl
1.127	CHF ₂	Me	H	B ₁	Cl	H	c-Pr	H	Cl
1.128	CHF ₂	Me	H	B ₁	Cl	H	n-Bu	H	Cl
1.129	CHF ₂	Me	H	B ₁	Cl	H	c-Bu	H	Cl
1.130	CHF ₂	Me	H	B ₁	Cl	H	t-Bu	H	Cl
1.131	CHF ₂	Me	H	B ₁	Cl	H	c-Hex	H	Cl
1.132	CHF ₂	Me	H	B ₁	Cl	H	C≡C-H	H	Cl
1.133	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Me	H	Cl
1.134	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	Cl
1.135	CHF ₂	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	Cl
1.136	CHF ₂	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	Cl
1.137	CHF ₂	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	Cl
1.138	CHF ₂	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	Cl
1.139	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenyl	H	Cl
1.140	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	Cl
1.141	CHF ₂	Me	H	B ₁	Cl	H	OCF ₃	H	Cl

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.142	CHF ₂	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	Cl
1.143	CHF ₂	Me	H	B ₁	Cl	H	phenoxy	H	Cl
1.144	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenoxy	H	Cl
1.145	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	Cl
1.146	CHF ₂	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	Cl
1.147	CHF ₂	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	Cl
1.148	CHF ₂	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	Cl
1.149	CHF ₂	Me	H	B ₁	Cl	H	CHO	H	Cl
1.150	CHF ₂	Me	H	B ₁	Cl	H	CH=NOMe	H	Cl
1.151	CHF ₂	Me	H	B ₁	Cl	H	CH=NOEt	H	Cl
1.152	CHF ₂	Me	H	B ₁	Cl	H	CH=NOPr	H	Cl
1.153	CHF ₂	Me	H	B ₁	Cl	H	COMe	H	Cl
1.154	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	Cl
1.155	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	Cl
1.156	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOPr	H	Cl
1.157	CHF ₂	Me	H	B ₁	Cl	H	Cl	H	Me
1.158	CHF ₂	Me	H	B ₁	Cl	H	Br	H	Me
1.159	CHF ₂	Me	H	B ₁	Cl	H	I	H	Me
1.160	CHF ₂	Me	H	B ₁	Cl	H	CF ₃	H	Me
1.161	CHF ₂	Me	H	B ₁	Cl	H	Me	H	Me
1.162	CHF ₂	Me	H	B ₁	Cl	H	Et	H	Me
1.163	CHF ₂	Me	H	B ₁	Cl	H	n-Pr	H	Me
1.164	CHF ₂	Me	H	B ₁	Cl	H	i-Pr	H	Me
1.165	CHF ₂	Me	H	B ₁	Cl	H	c-Pr	H	Me

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.166	CHF ₂	Me	H	B ₁	Cl	H	n-Bu	H	Me
1.167	CHF ₂	Me	H	B ₁	Cl	H	c-Bu	H	Me
1.168	CHF ₂	Me	H	B ₁	Cl	H	t-Bu	H	Me
1.169	CHF ₂	Me	H	B ₁	Cl	H	c-Hex	H	Me
1.170	CHF ₂	Me	H	B ₁	Cl	H	C≡C-H	H	Me
1.171	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Me	H	Me
1.172	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	Me
1.173	CHF ₂	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	Me
1.174	CHF ₂	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	Me
1.175	CHF ₂	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	Me
1.176	CHF ₂	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	Me
1.177	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenyl	H	Me
1.178	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	Me
1.179	CHF ₂	Me	H	B ₁	Cl	H	OCF ₃	H	Me
1.180	CHF ₂	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	Me
1.181	CHF ₂	Me	H	B ₁	Cl	H	phenoxy	H	Me
1.182	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenoxy	H	Me
1.183	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	Me
1.184	CHF ₂	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	Me
1.185	CHF ₂	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	Me
1.186	CHF ₂	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	Me
1.187	CHF ₂	Me	H	B ₁	Cl	H	CH=NOMe	H	Me
1.188	CHF ₂	Me	H	B ₁	Cl	H	CH=NOEt	H	Me
1.189	CHF ₂	Me	H	B ₁	Cl	H	CH=NOPr	H	Me

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.190	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	Me
1.191	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	Me
1.192	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOPr	H	Me
1.193	CHF ₂	Et	H	B ₁	H	H	F	H	H
1.194	CHF ₂	Et	H	B ₁	H	H	Cl	H	H
1.195	CHF ₂	Et	H	B ₁	H	H	Me	H	H
1.196	CHF ₂	Et	H	B ₁	H	H	p-Cl-phenyl	H	H
1.197	CHF ₂	Et	H	B ₁	H	H	phenoxy	H	H
1.198	CHF ₂	Et	H	B ₁	H	H	p-F-phenoxy	H	H
1.199	CHF ₂	Et	H	B ₁	H	H	p-Cl-phenoxy	H	H
1.200	CHF ₂	Et	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1.201	CHF ₂	Et	H	B ₁	Cl	H	Cl	H	H
1.202	CHF ₂	Et	H	B ₁	Cl	H	CF ₃	H	H
1.203	CHF ₂	Et	H	B ₁	Cl	H	Me	H	H
1.204	CHF ₂	Et	H	B ₁	Cl	H	n-Pr	H	H
1.205	CHF ₂	Et	H	B ₁	Cl	H	i-Pr	H	H
1.206	CHF ₂	Et	H	B ₁	Cl	H	c-Pr	H	H
1.207	CHF ₂	Et	H	B ₁	Cl	H	c-Bu	H	H
1.208	CHF ₂	Et	H	B ₁	Cl	H	t-Bu	H	H
1.209	CHF ₂	Et	H	B ₁	Cl	H	c-Hex	H	H
1.210	CHF ₂	Et	H	B ₁	Cl	H	C≡C-H	H	H
1.211	CHF ₂	Et	H	B ₁	Cl	H	C≡C-Me	H	H
1.212	CHF ₂	Et	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1.213	CHF ₂	Et	H	B ₁	Cl	H	C≡C-t-Bu	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.214	CHF ₂	Et	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1.215	CHF ₂	Et	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1.216	CHF ₂	Et	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1.217	CHF ₂	Et	H	B ₁	Cl	H	p-F-phenyl	H	H
1.218	CHF ₂	Et	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1.219	CHF ₂	Et	H	B ₁	Cl	H	OCF ₃	H	H
1.220	CHF ₂	Et	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1.221	CHF ₂	Et	H	B ₁	Cl	H	phenoxy	H	H
1.222	CHF ₂	Et	H	B ₁	Cl	H	p-F-phenoxy	H	H
1.223	CHF ₂	Et	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1.224	CHF ₂	Et	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1.225	CHF ₂	Et	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1.226	CHF ₂	Et	H	B ₁	Cl	H	CH=NOMe	H	H
1.227	CHF ₂	Et	H	B ₁	Cl	H	CH=NOEt	H	H
1.228	CHF ₂	Et	H	B ₁	Cl	H	CH=NOPr	H	H
1.229	CHF ₂	Et	H	B ₁	Cl	H	C(CH ₃)=NOMe	H	H
1.230	CHF ₂	Et	H	B ₁	Cl	H	C(CH ₃)=NOEt	H	H
1.231	CHF ₂	Et	H	B ₁	Cl	H	C(CH ₃)=NOPr	H	H
1.232	CHF ₂	Et	H	B ₁	Me	H	Me	H	H
1.233	CHF ₂	Et	H	B ₁	Me	H	CF ₃	H	H
1.234	CHF ₂	Et	H	B ₁	Me	H	Me	H	H
1.235	CHF ₂	Et	H	B ₁	Me	H	n-Pr	H	H
1.236	CHF ₂	Et	H	B ₁	Me	H	i-Pr	H	H
1.237	CHF ₂	Et	H	B ₁	Me	H	c-Pr	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.238	CHF ₂	Et	H	B ₁	Me	H	c-Bu	H	H
1.239	CHF ₂	Et	H	B ₁	Me	H	t-Bu	H	H
1.240	CHF ₂	Et	H	B ₁	Me	H	c-Hex	H	H
1.241	CHF ₂	Et	H	B ₁	Me	H	C≡C-H	H	H
1.242	CHF ₂	Et	H	B ₁	Me	H	C≡C-Me	H	H
1.243	CHF ₂	Et	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1.244	CHF ₂	Et	H	B ₁	Me	H	C≡C-t-Bu	H	H
1.245	CHF ₂	Et	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1.246	CHF ₂	Et	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1.247	CHF ₂	Et	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1.248	CHF ₂	Et	H	B ₁	Me	H	p-F-phenyl	H	H
1.249	CHF ₂	Et	H	B ₁	Me	H	p-Cl-phenyl	H	H
1.250	CHF ₂	Et	H	B ₁	Me	H	OCF ₃	H	H
1.251	CHF ₂	Et	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1.252	CHF ₂	Et	H	B ₁	Me	H	phenoxy	H	H
1.253	CHF ₂	Et	H	B ₁	Me	H	p-F-phenoxy	H	H
1.254	CHF ₂	Et	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1.255	CHF ₂	Et	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1.256	CHF ₂	Et	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1.247	CHF ₂	Et	H	B ₁	Me	H	CH=NOMe	H	H
1.258	CHF ₂	Et	H	B ₁	Me	H	CH=NOEt	H	H
1.259	CHF ₂	Et	H	B ₁	Me	H	CH=NOPr	H	H
1.260	CHF ₂	Et	H	B ₁	Me	H	C(CH ₃)=NOMe	H	H
1.261	CHF ₂	Et	H	B ₁	Me	H	C(CH ₃)=NOEt	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.262	CHF ₂	Et	H	B ₁	Me	H	C(CH ₃)=NOPr	H	H
1.263	CHF ₂	n-Pr	H	B ₁	H	H	F	H	H
1.264	CHF ₂	n-Pr	H	B ₁	H	H	Cl	H	H
1.265	CHF ₂	n-Pr	H	B ₁	H	H	Me	H	H
1.266	CHF ₂	n-Pr	H	B ₁	H	H	p-Cl-phenyl	H	H
1.267	CHF ₂	n-Pr	H	B ₁	H	H	phenoxy	H	H
1.268	CHF ₂	n-Pr	H	B ₁	H	H	p-F-phenoxy	H	H
1.269	CHF ₂	n-Pr	H	B ₁	H	H	p-Cl-phenoxy	H	H
1.270	CHF ₂	n-Pr	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1.271	CHF ₂	n-Pr	H	B ₁	Cl	H	Cl	H	H
1.272	CHF ₂	n-Pr	H	B ₁	Cl	H	CF ₃	H	H
1.273	CHF ₂	n-Pr	H	B ₁	Cl	H	Me	H	H
1.274	CHF ₂	n-Pr	H	B ₁	Cl	H	n-Pr	H	H
1.275	CHF ₂	n-Pr	H	B ₁	Cl	H	i-Pr	H	H
1.276	CHF ₂	n-Pr	H	B ₁	Cl	H	c-Pr	H	H
1.277	CHF ₂	n-Pr	H	B ₁	Cl	H	c-Bu	H	H
1.278	CHF ₂	n-Pr	H	B ₁	Cl	H	t-Bu	H	H
1.279	CHF ₂	n-Pr	H	B ₁	Cl	H	c-Hex	H	H
1.280	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-Me	H	H
1.281	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1.282	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-t-Bu	H	H
1.283	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1.284	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1.285	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.286	CHF ₂	n-Pr	H	B ₁	Cl	H	p-F-phenyl	H	H
1.287	CHF ₂	n-Pr	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1.288	CHF ₂	n-Pr	H	B ₁	Cl	H	OCF ₃	H	H
1.289	CHF ₂	n-Pr	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1.290	CHF ₂	n-Pr	H	B ₁	Cl	H	phenoxy	H	H
1.291	CHF ₂	n-Pr	H	B ₁	Cl	H	p-F-phenoxy	H	H
1.292	CHF ₂	n-Pr	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1.293	CHF ₂	n-Pr	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1.294	CHF ₂	n-Pr	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1.295	CHF ₂	n-Pr	H	B ₁	Cl	H	CH=NOMe	H	H
1.296	CHF ₂	n-Pr	H	B ₁	Cl	H	CH=NOEt	H	H
1.297	CHF ₂	n-Pr	H	B ₁	Cl	H	CH=NOPr	H	H
1.298	CHF ₂	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOMe	H	H
1.299	CHF ₂	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOEt	H	H
1.300	CHF ₂	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOPr	H	H
1.301	CHF ₂	n-Pr	H	B ₁	Me	H	Me	H	H
1.302	CHF ₂	n-Pr	H	B ₁	Me	H	CF ₃	H	H
1.303	CHF ₂	n-Pr	H	B ₁	Me	H	Me	H	H
1.304	CHF ₂	n-Pr	H	B ₁	Me	H	n-Pr	H	H
1.305	CHF ₂	n-Pr	H	B ₁	Me	H	i-Pr	H	H
1.306	CHF ₂	n-Pr	H	B ₁	Me	H	c-Pr	H	H
1.307	CHF ₂	n-Pr	H	B ₁	Me	H	c-Bu	H	H
1.308	CHF ₂	n-Pr	H	B ₁	Me	H	t-Bu	H	H
1.309	CHF ₂	n-Pr	H	B ₁	Me	H	c-Hex	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.310	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-Me	H	H
1.311	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1.312	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-t-Bu	H	H
1.313	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1.314	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1.315	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1.316	CHF ₂	n-Pr	H	B ₁	Me	H	p-F-phenyl	H	H
1.317	CHF ₂	n-Pr	H	B ₁	Me	H	p-Cl-phenyl	H	H
1.318	CHF ₂	n-Pr	H	B ₁	Me	H	OCF ₃	H	H
1.319	CHF ₂	n-Pr	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1.320	CHF ₂	n-Pr	H	B ₁	Me	H	phenoxy	H	H
1.321	CHF ₂	n-Pr	H	B ₁	Me	H	p-F-phenoxy	H	H
1.322	CHF ₂	n-Pr	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1.323	CHF ₂	n-Pr	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1.324	CHF ₂	n-Pr	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1.325	CHF ₂	n-Pr	H	B ₁	Me	H	CH=NOMe	H	H
1.326	CHF ₂	n-Pr	H	B ₁	Me	H	CH=NOEt	H	H
1.327	CHF ₂	n-Pr	H	B ₁	Me	H	CH=NOPr	H	H
1.328	CHF ₂	n-Pr	H	B ₁	Me	H	C(CH ₃)=NOMe	H	H
1.329	CHF ₂	n-Pr	H	B ₁	Me	Cl	C(CH ₃)=NOEt	H	H
1.330	CHF ₂	n-Pr	H	B ₁	Me	H	C(CH ₃)=NOPr	H	H
1.331	CHF ₂	Me	Me	B ₁	Cl	H	Cl	H	H
1.332	CHF ₂	Me	Me	B ₁	Cl	H	Cl	H	Cl
1.333	CHF ₂	Me	H	B ₂	Cl	H	Cl	H	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.334	CHF ₂	Me	H	B ₂	Cl	H	CF ₃	H	-
1.335	CHF ₂	Et	H	B ₂	Cl	H	CF ₃	H	-
1.336	CHF ₂	i-Pr	H	B ₂	Cl	H	CF ₃	H	-
1.337	CHF ₂	Me	Me	B ₂	Cl	H	CF ₃	H	-
1.338	CHF ₂	Me	H	B ₃	Cl	H	H	Cl	-
1.339	CHF ₂	Me	H	B ₃	Me	H	H	Cl	-
1.340	CHF ₂	Me	H	B ₄	Cl	H	H	Cl	-
1.341	CHF ₂	Me	H	B ₄	Br	H	H	Br	-
1.342	CHF ₂	Me	H	B ₄	Me	H	H	Me	-
1.343	CHF ₂	Me	H	B ₅	Me	H	Me	-	-
1.344	CHF ₂	Me	H	B ₅	Me	H	Me	-	-
1.345	CHF ₂	Me	H	B ₅	H	Me	H	-	-
1.346	CHF ₂	Me	H	B ₅	H	Cl	H	-	-
1.347	CHF ₂	Me	H	B ₅	H	Br	H	-	-
1.348	CHF ₂	Me	H	B ₅	H	CF ₃	H	-	-
1.349	CHF ₂	Me	H	B ₆	Cl	H	Cl	-	-
1.350	CHF ₂	Me	H	B ₆	Cl	Cl	Cl	-	-
1.351	CHF ₂	Me	H	B ₆	Cl	Me	Cl	-	-
1.352	CHF ₂	Me	H	B ₇	Cl	H	-	-	-
1.353	CHF ₂	Me	H	B ₇	Cl	Cl	-	-	-
1.354	CHF ₂	Me	H	B ₇	Me	Me	-	-	-
1.355	CHF ₂	Me	H	B ₇	OMe	Me	-	-	-
1.356	CHF ₂	Me	H	B ₇	OMe	Cl	-	-	-
1.347	CHF ₂	Me	H	B ₇	NHMe	Cl	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.358	CHF ₂	Me	H	B ₈	Cl	H	H	-	-
1.359	CHF ₂	Me	H	B ₈	Cl	Cl	H	-	-
1.360	CHF ₂	Me	H	B ₈	Cl	Cl	Cl	-	-
1.361	CHF ₂	Me	H	B ₈	Cl	H	Cl	-	-
1.362	CHF ₂	Me	H	B ₈	Me	H	H	-	-
1.363	CHF ₂	Me	H	B ₈	Me	Cl	H	-	-
1.364	CHF ₂	Me	H	B ₈	Me	Cl	Cl	-	-
1.365	CHF ₂	Me	H	B ₈	Me	Me	H	-	-
1.366	CHF ₂	Me	H	B ₈	Me	H	Me	-	-
1.367	CHF ₂	Me	H	B ₈	Me	Me	Cl	-	-
1.368	CHF ₂	Me	H	B ₈	Me	Me	Me	-	-
1.369	CHF ₂	Me	H	B ₉	Cl	Cl	H	-	-
1.370	CHF ₂	Me	H	B ₉	Cl	Cl	Cl	-	-
1.371	CHF ₂	Me	H	B ₉	Cl	Me	H	-	-
1.372	CHF ₂	Me	H	B ₉	Cl	Me	Cl	-	-
1.373	CHF ₂	Me	H	B ₉	Cl	Me	Me	-	-
1.374	CHF ₂	Me	H	B ₉	Cl	Cl	Me	-	-
1.375	CHF ₂	Me	H	B ₉	Me	Cl	H	-	-
1.376	CHF ₂	Me	H	B ₉	Me	Cl	Cl	-	-
1.377	CHF ₂	Me	H	B ₉	Me	Cl	Me	-	-
1.378	CHF ₂	Me	H	B ₉	Me	Me	H	-	-
1.379	CHF ₂	Me	H	B ₉	Me	Me	Cl	-	-
1.380	CHF ₂	Me	H	B ₉	Me	Me	Me	-	-
1.381	CHF ₂	Me	H	B ₁₀	Cl	H	H	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.382	CHF ₂	Me	H	B ₁₀	Cl	Cl	H	-	-
1.383	CHF ₂	Me	H	B ₁₀	Cl	Cl	Cl	-	-
1.384	CHF ₂	Me	H	B ₁₀	Cl	H	Cl	-	-
1.385	CHF ₂	Me	H	B ₁₀	Me	H	H	-	-
1.386	CHF ₂	Me	H	B ₁₀	Me	Cl	H	-	-
1.387	CHF ₂	Me	H	B ₁₀	Me	Cl	Cl	-	-
1.388	CHF ₂	Me	H	B ₁₀	Me	Me	H	-	-
1.389	CHF ₂	Me	H	B ₁₀	Me	H	Me	-	-
1.390	CHF ₂	Me	H	B ₁₀	Me	Me	Cl	-	-
1.391	CHF ₂	Me	H	B ₁₀	Me	Me	Me	-	-
1.392	CHF ₂	Me	H	B ₁₁	Cl	Cl	H	-	-
1.393	CHF ₂	Me	H	B ₁₁	Cl	Cl	Cl	-	-
1.394	CHF ₂	Me	H	B ₁₁	Cl	Me	H	-	-
1.395	CHF ₂	Me	H	B ₁₁	Cl	Me	Cl	-	-
1.396	CHF ₂	Me	H	B ₁₁	Cl	Me	Me	-	-
1.397	CHF ₂	Me	H	B ₁₁	Cl	Cl	Me	-	-
1.398	CHF ₂	Me	H	B ₁₁	Me	Cl	H	-	-
1.399	CHF ₂	Me	H	B ₁₁	Me	Cl	Cl	-	-
1.400	CHF ₂	Me	H	B ₁₁	Me	Cl	Me	-	-
1.401	CHF ₂	Me	H	B ₁₁	Me	Me	H	-	-
1.402	CHF ₂	Me	H	B ₁₁	Me	Me	Cl	-	-
1.403	CHF ₂	Me	H	B ₁₁	Me	Me	Me	-	-
1.404	CHF ₂	Me	H	B ₁₂	Cl	H	H	-	-
1.405	CHF ₂	Me	H	B ₁₂	Cl	Cl	H	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.406	CHF ₂	Me	H	B ₁₂	Cl	Cl	Cl	-	-
1.407	CHF ₂	Me	H	B ₁₂	Cl	H	Cl	-	-
1.408	CHF ₂	Me	H	B ₁₂	Me	H	H	-	-
1.409	CHF ₂	Me	H	B ₁₂	Me	Cl	H	-	-
1.410	CHF ₂	Me	H	B ₁₂	Me	Cl	Cl	-	-
1.411	CHF ₂	Me	H	B ₁₂	Me	Me	H	-	-
1.412	CHF ₂	Me	H	B ₁₂	Me	H	Me	-	-
1.413	CHF ₂	Me	H	B ₁₂	Me	Me	Cl	-	-
1.414	CHF ₂	Me	H	B ₁₂	Me	Me	Me	-	-
1.415	CHF ₂	Me	H	B ₁₃	Cl	Cl	H	-	-
1.416	CHF ₂	Me	H	B ₁₃	Cl	Cl	Cl	-	-
1.417	CHF ₂	Me	H	B ₁₃	Cl	Me	H	-	-
1.418	CHF ₂	Me	H	B ₁₃	Cl	Me	Cl	-	-
1.419	CHF ₂	Me	H	B ₁₃	Cl	Me	Me	-	-
1.420	CHF ₂	Me	H	B ₁₃	Cl	Cl	Me	-	-
1.421	CHF ₂	Me	H	B ₁₃	Me	Cl	H	-	-
1.422	CHF ₂	Me	H	B ₁₃	Me	Cl	Cl	-	-
1.423	CHF ₂	Me	H	B ₁₃	Me	Cl	Me	-	-
1.424	CHF ₂	Me	H	B ₁₃	Me	Me	H	-	-
1.425	CHF ₂	Me	H	B ₁₃	Me	Me	Cl	-	-
1.426	CHF ₂	Me	H	B ₁₃	Me	Me	Me	-	-
1.427	CHF ₂	Me	H	B ₁₄	Cl	H	-	-	-
1.428	CHF ₂	Me	H	B ₁₄	Cl	Me	-	-	-
1.429	CHF ₂	Me	H	B ₁₄	Br	H	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.430	CHF ₂	Me	H	B ₁₄	Br	Me	-	-	-
1.431	CHF ₂	Me	H	B ₁₄	Me	H	-	-	-
1.432	CHF ₂	Me	H	B ₁₄	Me	Me	-	-	-
1.433	CHF ₂	Me	H	B ₁₄	CF ₃	H	-	-	-
1.434	CHF ₂	Me	H	B ₁₄	CF ₃	Me	-	-	-
1.435	CHF ₂	Me	H	B ₁₄	OMe	H	-	-	-
1.436	CHF ₂	Me	H	B ₁₄	OMe	Me	-	-	-
1.437	CHF ₂	Me	H	B ₁₅	Cl	Cl	-	-	-
1.438	CHF ₂	Me	H	B ₁₅	Me	Me	-	-	-
1.439	CHF ₂	Me	H	B ₁₅	Br	Br	-	-	-
1.440	CHF ₂	Me	H	B ₁₅	CF ₃	CF ₃	-	-	-
1.441	CHF ₂	Me	H	B ₁₅	OMe	Cl	-	-	-
1.442	CHF ₂	Me	H	B ₁₆	Cl	H	-	-	-
1.443	CHF ₂	Me	H	B ₁₆	Cl	Cl	-	-	-
1.444	CHF ₂	Me	H	B ₁₆	Br	H	-	-	-
1.445	CHF ₂	Me	H	B ₁₆	Br	Br	-	-	-
1.446	CHF ₂	Me	H	B ₁₆	Me	H	-	-	-
1.447	CHF ₂	Me	H	B ₁₆	Me	Me	-	-	-
1.448	CHF ₂	Me	H	B ₁₆	CF ₃	H	-	-	-
1.449	CHF ₂	Me	H	B ₁₆	CF ₃	CF ₃	-	-	-
1.450	CHF ₂	Me	H	B ₁₇	Cl	-	-	-	-
1.451	CHF ₂	Me	H	B ₁₇	Br	-	-	-	-
1.452	CHF ₂	Me	H	B ₁₇	Me	-	-	-	-
1.453	CHF ₂	Me	H	B ₁₇	CF ₃	-	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.454	CHF ₂	Me	H	B ₁₈	Cl	H	-	-	-
1.455	CHF ₂	Me	H	B ₁₈	Br	H	-	-	-
1.456	CHF ₂	Me	H	B ₁₈	Me	H	-	-	-
1.457	CHF ₂	Me	H	B ₁₈	CF ₃	H	-	-	-
1.458	CHF ₂	Me	H	B ₁₈	Cl	Me	-	-	-
1.459	CHF ₂	Me	H	B ₁₈	Br	Me	-	-	-
1.460	CHF ₂	Me	H	B ₁₈	Me	Me	-	-	-
1.461	CHF ₂	Me	H	B ₁₈	CF ₃	Me	-	-	-
1.462	CHF ₂	Me	H	B ₁₉	Cl	H	-	-	-
1.463	CHF ₂	Me	H	B ₁₉	Br	H	-	-	-
1.464	CHF ₂	Me	H	B ₁₉	Me	H	-	-	-
1.465	CHF ₂	Me	H	B ₁₉	CF ₃	H	-	-	-
1.466	CHF ₂	Me	H	B ₁₉	Cl	Me	-	-	-
1.467	CHF ₂	Me	H	B ₁₉	Br	Me	-	-	-
1.468	CHF ₂	Me	H	B ₁₉	Me	Me	-	-	-
1.469	CHF ₂	Me	H	B ₁₉	CF ₃	Me	-	-	-
1.470	CHF ₂	Me	H	B ₂₀	H	H	H	H	H
1.471	CHF ₂	Me	H	B ₂₀	H	H	H	Me	H
1.472	CHF ₂	Me	H	B ₂₀	Cl	H	H	H	H
1.473	CHF ₂	Me	H	B ₂₀	Cl	H	Cl	H	H
1.474	CHF ₂	Me	H	B ₂₀	Br	H	H	H	H
1.475	CHF ₂	Me	H	B ₂₀	Br	H	Br	H	H
1.476	CHF ₂	Me	H	B ₂₀	Me	H	H	H	H
1.477	CHF ₂	Me	H	B ₂₀	CF ₃	H	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.478	CHF ₂	Me	H	B ₂₀	COMe	H	H	H	H
1.479	CHF ₂	Me	H	B ₂₀	Cl	H	H	Cl	H
1.480	CHF ₂	Me	H	B ₂₁	H	H	H	H	H
1.481	CHF ₂	Me	H	B ₂₁	H	H	H	Me	H
1.482	CHF ₂	Me	H	B ₂₁	Cl	H	H	H	H
1.483	CHF ₂	Me	H	B ₂₁	H	Cl	H	H	H
1.484	CHF ₂	Me	H	B ₂₁	Cl	Cl	H	H	H
1.485	CHF ₂	Me	H	B ₂₁	H	H	H	Cl	H
1.486	CHF ₂	Me	H	B ₂₁	Cl	H	H	Cl	H
1.487	CHF ₂	Me	H	B ₂₁	H	Cl	H	Cl	H
1.488	CHF ₂	Me	H	B ₂₁	Cl	Cl	H	Cl	H
1.489	CHF ₂	Me	H	B ₂₁	Br	H	H	H	H
1.490	CHF ₂	Me	H	B ₂₁	CF ₃	H	H	H	H
1.491	CHF ₂	Me	H	B ₂₁	Me	H	H	H	H
1.492	CHF ₂	Me	H	B ₂₁	Cl	H	H	H	H
1.493	CHF ₂	Me	H	B ₂₁	Br	H	H	Cl	H
1.494	CHF ₂	Me	H	B ₂₁	CF ₃	H	H	Cl	H
1.495	CHF ₂	Me	H	B ₂₁	Me	H	H	Cl	H
1.496	CHF ₂	Me	H	B ₂₁	Cl	H	H	Cl	H
1.497	CHF ₂	Me	H	B ₂₂	Me	H	H	H	H
1.498	CHF ₂	Me	H	B ₂₂	H	H	H	H	Cl
1.499	CHF ₂	Me	H	B ₂₂	Me	H	H	H	Cl
1.500	CHF ₂	Me	H	B ₂₂	H	H	H	Cl	Cl
1.501	CHF ₂	Me	H	B ₂₂	H	H	H	NO ₂	Cl

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.502	CHF ₂	Me	H	B ₂₂	H	H	H	Me	Cl
1.503	CHF ₂	Me	H	B ₂₂	H	H	H	H	Br
1.504	CHF ₂	Me	H	B ₂₂	H	H	H	Cl	Br
1.505	CHF ₂	Me	H	B ₂₂	H	H	H	Me	Br
1.506	CHF ₂	Me	H	B ₂₂	H	H	H	Br	Br
1.507	CHF ₂	Me	H	B ₂₃	Cl	H	H	H	H
1.508	CHF ₂	Me	H	B ₂₃	Cl	Cl	H	H	H
1.509	CHF ₂	Me	H	B ₂₃	Cl	Me	H	H	H
1.510	CHF ₂	Me	H	B ₂₃	Me	H	H	H	H
1.511	CHF ₂	Me	H	B ₂₃	Me	Cl	H	H	H
1.512	CHF ₂	Me	H	B ₂₃	Me	Me	H	H	H
1.513	CHF ₂	Me	H	B ₂₃	H	H	H	H	Me
1.514	CHF ₂	Me	H	B ₂₃	Cl	H	H	H	Me
1.515	CHF ₂	Me	H	B ₂₃	Me	H	H	H	Me
1.516	CHF ₂	Me	H	B ₂₄	Cl	H	H	H	H
1.517	CHF ₂	Me	H	B ₂₄	Br	H	H	H	H
1.518	CHF ₂	Me	H	B ₂₄	CN	H	H	H	H
1.519	CHF ₂	Me	H	B ₂₄	Me	H	H	H	H
1.520	CHF ₂	Me	H	B ₂₄	OMe	H	H	H	H
1.521	CHF ₂	Me	H	B ₂₄	Cl	H	Cl	H	H
1.522	CHF ₂	Me	H	B ₂₄	Br	H	Cl	H	H
1.523	CHF ₂	Me	H	B ₂₄	CN	H	Cl	H	H
1.524	CHF ₂	Me	H	B ₂₄	Me	H	Cl	H	H
1.525	CHF ₂	Me	H	B ₂₄	OMe	H	Cl	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.526	CHF ₂	Me	H	B ₂₄	Cl	H	F	H	H
1.527	CHF ₂	Me	H	B ₂₄	Br	H	F	H	H
1.528	CHF ₂	Me	H	B ₂₄	CN	H	F	H	H
1.529	CHF ₂	Me	H	B ₂₄	Me	H	F	H	H
1.530	CHF ₂	Me	H	B ₂₄	OMe	H	F	H	H
1.531	CHF ₂	Me	H	B ₂₄	Cl	H	H	H	F
1.532	CHF ₂	Me	H	B ₂₅	Me	H	H	H	H
1.533	CHF ₂	Me	H	B ₂₅	Cl	H	H	H	H
1.534	CHF ₂	Me	H	B ₂₅	OMe	H	H	H	H
1.535	CHF ₂	Me	H	B ₂₆	Me	H	H	H	H
1.536	CHF ₂	Me	H	B ₂₆	Cl	H	H	H	H
1.537	CHF ₂	Me	H	B ₂₆	OMe	H	H	H	H
1.538	CHF ₂	Me	H	B ₂₇	H	H	Me	Me	H
1.539	CHF ₂	Me	H	B ₂₇	Me	Me	Me	Me	H
1.540	CHF ₂	Me	H	B ₂₈	H	H	H	Me	Me
1.541	CHF ₂	Me	H	B ₂₈	Me	Me	H	Me	Me
1.542	CF ₃	Me	H	B ₁	F	H	H	H	H
1.543	CF ₃	Me	H	B ₁	H	F	H	H	H
1.544	CF ₃	Me	H	B ₁	H	H	F	H	H
1.545	CF ₃	Me	H	B ₁	Cl	H	H	H	H
1.546	CF ₃	Me	H	B ₁	H	Cl	H	H	H
1.547	CF ₃	Me	H	B ₁	H	H	Cl	H	H
1.548	CF ₃	Me	H	B ₁	Br	H	H	H	H
1.549	CF ₃	Me	H	B ₁	H	Br	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.550	CF ₃	Me	H	B ₁	H	H	Br	H	H
1.551	CF ₃	Me	H	B ₁	I	H	H	H	H
1.552	CF ₃	Me	H	B ₁	H	I	H	H	H
1.553	CF ₃	Me	H	B ₁	H	H	I	H	H
1.554	CF ₃	Me	H	B ₁	CF ₃	H	H	H	H
1.555	CF ₃	Me	H	B ₁	H	CF ₃	H	H	H
1.556	CF ₃	Me	H	B ₁	H	H	CF ₃	H	H
1.557	CF ₃	Me	H	B ₁	Me	H	H	H	H
1.558	CF ₃	Me	H	B ₁	H	Me	H	H	H
1.559	CF ₃	Me	H	B ₁	H	H	Me	H	H
1.560	CF ₃	Me	H	B ₁	Et	H	H	H	H
1.561	CF ₃	Me	H	B ₁	H	Et	H	H	H
1.562	CF ₃	Me	H	B ₁	H	H	Et	H	H
1.563	CF ₃	Me	H	B ₁	i-Pr	H	H	H	H
1.564	CF ₃	Me	H	B ₁	H	i-Pr	H	H	H
1.565	CF ₃	Me	H	B ₁	H	H	i-Pr	H	H
1.566	CF ₃	Me	H	B ₁	t-Bu	H	H	H	H
1.567	CF ₃	Me	H	B ₁	H	t-Bu	H	H	H
1.568	CF ₃	Me	H	B ₁	H	H	t-Bu	H	H
1.569	CF ₃	Me	H	B ₁	C≡C-H	H	H	H	H
1.570	CF ₃	Me	H	B ₁	H	C≡C-H	H	H	H
1.571	CF ₃	Me	H	B ₁	H	H	C≡C-H	H	H
1.572	CF ₃	Me	H	B ₁	H	p-Cl-phenyl	H	H	H
1.573	CF ₃	Me	H	B ₁	H	H	p-Cl-phenyl	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.574	CF ₃	Me	H	B ₁	H	p-F-phenyl	H	H	H
1.575	CF ₃	Me	H	B ₁	H	H	p-F-phenyl	H	H
1.576	CF ₃	Me	H	B ₁	H	H	phenoxy	H	H
1.577	CF ₃	Me	H	B ₁	H	H	p-F-phenoxy	H	H
1.578	CF ₃	Me	H	B ₁	H	H	p-Cl-phenoxy	H	H
1.579	CF ₃	Me	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1.580	CF ₃	Me	H	B ₁	H	H	o,p-Cl ₂ -phenoxy	H	H
1.581	CF ₃	Me	H	B ₁	H	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1.582	CF ₃	Me	H	B ₁	Cl	Cl	H	H	H
1.583	CF ₃	Me	H	B ₁	Cl	H	Cl	H	H
1.584	CF ₃	Me	H	B ₁	H	Cl	Cl	H	H
1.585	CF ₃	Me	H	B ₁	Cl	H	H	H	Cl
1.586	CF ₃	Me	H	B ₁	Cl	H	Br	H	H
1.587	CF ₃	Me	H	B ₁	Cl	H	I	H	H
1.588	CF ₃	Me	H	B ₁	Cl	H	CF ₃	H	H
1.589	CF ₃	Me	H	B ₁	Cl	H	Me	H	H
1.590	CF ₃	Me	H	B ₁	Cl	H	Et	H	H
1.591	CF ₃	Me	H	B ₁	Cl	H	n-Pr	H	H
1.592	CF ₃	Me	H	B ₁	Cl	H	i-Pr	H	H
1.593	CF ₃	Me	H	B ₁	Cl	H	c-Pr	H	H
1.594	CF ₃	Me	H	B ₁	Cl	H	n-Bu	H	H
1.595	CF ₃	Me	H	B ₁	Cl	H	c-Bu	H	H
1.596	CF ₃	Me	H	B ₁	Cl	H	t-Bu	H	H
1.597	CF ₃	Me	H	B ₁	Cl	H	c-Hex	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.598	CF ₃	Me	H	B ₁	Cl	H	C≡C-H	H	H
1.599	CF ₃	Me	H	B ₁	Cl	H	C≡C-Me	H	H
1.600	CF ₃	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1.601	CF ₃	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	H
1.602	CF ₃	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1.603	CF ₃	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1.604	CF ₃	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1.605	CF ₃	Me	H	B ₁	Cl	H	p-F-phenyl	H	H
1.606	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1.607	CF ₃	Me	H	B ₁	Cl	H	OCF ₃	H	H
1.608	CF ₃	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1.609	CF ₃	Me	H	B ₁	Cl	H	phenoxy	H	H
1.610	CF ₃	Me	H	B ₁	Cl	H	p-F-phenoxy	H	H
1.611	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1.612	CF ₃	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1.613	CF ₃	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1.614	CF ₃	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1.615	CF ₃	Me	H	B ₁	Cl	H	CHO	H	H
1.616	CF ₃	Me	H	B ₁	Cl	H	CH=NOMe	H	H
1.617	CF ₃	Me	H	B ₁	Cl	H	CH=NOEt	H	H
1.618	CF ₃	Me	H	B ₁	Cl	H	COMe	H	H
1.619	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	H
1.620	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	H
1.621	CF ₃	Me	H	B ₁	Me	Me	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.622	CF ₃	Me	H	B ₁	Me	H	Me	H	H
1.623	CF ₃	Me	H	B ₁	H	Me	Me	H	H
1.624	CF ₃	Me	H	B ₁	Me	H	H	H	Me
1.625	CF ₃	Me	H	B ₁	Me	H	I	H	H
1.626	CF ₃	Me	H	B ₁	Me	H	CF ₃	H	H
1.627	CF ₃	Me	H	B ₁	Me	H	Et	H	H
1.628	CF ₃	Me	H	B ₁	Me	H	n-Pr	H	H
1.629	CF ₃	Me	H	B ₁	Me	H	i-Pr	H	H
1.630	CF ₃	Me	H	B ₁	Me	H	c-Pr	H	H
1.631	CF ₃	Me	H	B ₁	Me	H	c-Bu	H	H
1.632	CF ₃	Me	H	B ₁	Me	H	t-Bu	H	H
1.633	CF ₃	Me	H	B ₁	Me	H	c-Hex	H	H
1.634	CF ₃	Me	H	B ₁	Me	H	C≡C-H	H	H
1.635	CF ₃	Me	H	B ₁	Me	H	C≡C-Me	H	H
1.636	CF ₃	Me	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1.637	CF ₃	Me	H	B ₁	Me	H	C≡C-t-Bu	H	H
1.638	CF ₃	Me	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1.639	CF ₃	Me	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1.640	CF ₃	Me	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1.641	CF ₃	Me	H	B ₁	Me	H	p-F-phenyl	H	H
1.642	CF ₃	Me	H	B ₁	Me	H	p-Cl-phenyl	H	H
1.643	CF ₃	Me	H	B ₁	Me	H	OCF ₃	H	H
1.544	CF ₃	Me	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1.645	CF ₃	Me	H	B ₁	Me	H	phenoxy	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.646	CF ₃	Me	H	B ₁	Me	H	p-F-phenoxy	H	H
1.647	CF ₃	Me	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1.648	CF ₃	Me	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1.649	CF ₃	Me	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1.650	CF ₃	Me	H	B ₁	Me	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1.651	CF ₃	Me	H	B ₁	Me	H	CHO	H	H
1.652	CF ₃	Me	H	B ₁	Me	H	CH=NOMe	H	H
1.653	CF ₃	Me	H	B ₁	Me	H	CH=NOEt	H	H
1.654	CF ₃	Me	H	B ₁	Me	H	COMe	H	H
1.655	CF ₃	Me	H	B ₁	Me	H	C(Me)=NOMe	H	H
1.656	CF ₃	Me	H	B ₁	Me	H	C(Me)=NOEt	H	H
1.657	CF ₃	Me	H	B ₁	H	Cl	Cl	Cl	H
1.658	CF ₃	Me	H	B ₁	Cl	Cl	Cl	H	H
1.659	CF ₃	Me	H	B ₁	Cl	H	Cl	Cl	H
1.660	CF ₃	Me	H	B ₁	Cl	H	Cl	H	Cl
1.661	CF ₃	Me	H	B ₁	Cl	H	Br	H	Cl
1.662	CF ₃	Me	H	B ₁	Cl	H	I	H	Cl
1.663	CF ₃	Me	H	B ₁	Cl	H	CF ₃	H	Cl
1.664	CF ₃	Me	H	B ₁	Cl	H	Me	H	Cl
1.665	CF ₃	Me	H	B ₁	Cl	H	Et	H	Cl
1.666	CF ₃	Me	H	B ₁	Cl	H	n-Pr	H	Cl
1.667	CF ₃	Me	H	B ₁	Cl	H	i-Pr	H	Cl
1.668	CF ₃	Me	H	B ₁	Cl	H	c-Pr	H	Cl
1.669	CF ₃	Me	H	B ₁	Cl	H	n-Bu	H	Cl

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.670	CF ₃	Me	H	B ₁	Cl	H	c-Bu	H	Cl
1.671	CF ₃	Me	H	B ₁	Cl	H	t-Bu	H	Cl
1.672	CF ₃	Me	H	B ₁	Cl	H	c-Hex	H	Cl
1.673	CF ₃	Me	H	B ₁	Cl	H	C≡C-H	H	Cl
1.674	CF ₃	Me	H	B ₁	Cl	H	C≡C-Me	H	Cl
1.675	CF ₃	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	Cl
1.676	CF ₃	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	Cl
1.677	CF ₃	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	Cl
1.678	CF ₃	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	Cl
1.679	CF ₃	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	Cl
1.680	CF ₃	Me	H	B ₁	Cl	H	p-F-phenyl	H	Cl
1.681	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	Cl
1.682	CF ₃	Me	H	B ₁	Cl	H	OCF ₃	H	Cl
1.683	CF ₃	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	Cl
1.684	CF ₃	Me	H	B ₁	Cl	H	phenoxy	H	Cl
1.685	CF ₃	Me	H	B ₁	Cl	H	p-F-phenoxy	H	Cl
1.686	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	Cl
1.687	CF ₃	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	Cl
1.688	CF ₃	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	Cl
1.689	CF ₃	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	Cl
1.690	CF ₃	Me	H	B ₁	Cl	H	CHO	H	Cl
1.691	CF ₃	Me	H	B ₁	Cl	H	CH=NOMe	H	Cl
1.692	CF ₃	Me	H	B ₁	Cl	H	CH=NOEt	H	Cl
1.693	CF ₃	Me	H	B ₁	Cl	H	CH=NOPr	H	Cl

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.694	CF ₃	Me	H	B ₁	Cl	H	COMe	H	Cl
1.695	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	Cl
1.696	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	Cl
1.697	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOPr	H	Cl
1.698	CF ₃	Me	H	B ₁	Cl	H	Cl	H	Me
1.699	CF ₃	Me	H	B ₁	Cl	H	Br	H	Me
1.700	CF ₃	Me	H	B ₁	Cl	H	I	H	Me
1.701	CF ₃	Me	H	B ₁	Cl	H	CF ₃	H	Me
1.702	CF ₃	Me	H	B ₁	Cl	H	Me	H	Me
1.703	CF ₃	Me	H	B ₁	Cl	H	Et	H	Me
1.704	CF ₃	Me	H	B ₁	Cl	H	n-Pr	H	Me
1.705	CF ₃	Me	H	B ₁	Cl	H	i-Pr	H	Me
1.706	CF ₃	Me	H	B ₁	Cl	H	c-Pr	H	Me
1.707	CF ₃	Me	H	B ₁	Cl	H	n-Bu	H	Me
1.708	CF ₃	Me	H	B ₁	Cl	H	c-Bu	H	Me
1.709	CF ₃	Me	H	B ₁	Cl	H	t-Bu	H	Me
1.710	CF ₃	Me	H	B ₁	Cl	H	c-Hex	H	Me
1.711	CF ₃	Me	H	B ₁	Cl	H	C≡C-H	H	Me
1.712	CF ₃	Me	H	B ₁	Cl	H	C≡C-Me	H	Me
1.713	CF ₃	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	Me
1.714	CF ₃	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	Me
1.715	CF ₃	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	Me
1.716	CF ₃	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	Me
1.717	CF ₃	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	Me

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.718	CF ₃	Me	H	B ₁	Cl	H	p-F-phenyl	H	Me
1.719	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	Me
1.720	CF ₃	Me	H	B ₁	Cl	H	OCF ₃	H	Me
1.721	CF ₃	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	Me
1.722	CF ₃	Me	H	B ₁	Cl	H	phenoxy	H	Me
1.723	CF ₃	Me	H	B ₁	Cl	H	p-F-phenoxy	H	Me
1.724	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	Me
1.725	CF ₃	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	Me
1.726	CF ₃	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	Me
1.727	CF ₃	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	Me
1.728	CF ₃	Me	H	B ₁	Cl	H	CH=NOMe	H	Me
1.729	CF ₃	Me	H	B ₁	Cl	H	CH=NOEt	H	Me
1.730	CF ₃	Me	H	B ₁	Cl	H	CH=NOPr	H	Me
1.731	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	Me
1.732	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	Me
1.733	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOPr	H	Me
1.734	CF ₃	Et	H	B ₁	H	H	F	H	H
1.735	CF ₃	Et	H	B ₁	H	H	Cl	H	H
1.736	CF ₃	Et	H	B ₁	H	H	Me	H	H
1.737	CF ₃	Et	H	B ₁	H	H	p-Cl-phenyl	H	H
1.738	CF ₃	Et	H	B ₁	H	H	phenoxy	H	H
1.739	CF ₃	Et	H	B ₁	H	H	p-F-phenoxy	H	H
1.740	CF ₃	Et	H	B ₁	H	H	p-Cl-phenoxy	H	H
1.741	CF ₃	Et	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.742	CF ₃	Et	H	B ₁	Cl	H	Cl	H	H
1.743	CF ₃	Et	H	B ₁	Cl	H	CF ₃	H	H
1.744	CF ₃	Et	H	B ₁	Cl	H	Me	H	H
1.745	CF ₃	Et	H	B ₁	Cl	H	n-Pr	H	H
1.746	CF ₃	Et	H	B ₁	Cl	H	i-Pr	H	H
1.747	CF ₃	Et	H	B ₁	Cl	H	c-Pr	H	H
1.748	CF ₃	Et	H	B ₁	Cl	H	c-Bu	H	H
1.749	CF ₃	Et	H	B ₁	Cl	H	t-Bu	H	H
1.750	CF ₃	Et	H	B ₁	Cl	H	c-Hex	H	H
1.751	CF ₃	Et	H	B ₁	Cl	H	C≡C-H	H	H
1.752	CF ₃	Et	H	B ₁	Cl	H	C≡C-Me	H	H
1.753	CF ₃	Et	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1.754	CF ₃	Et	H	B ₁	Cl	H	C≡C-t-Bu	H	H
1.755	CF ₃	Et	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1.756	CF ₃	Et	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1.757	CF ₃	Et	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1.758	CF ₃	Et	H	B ₁	Cl	H	p-F-phenyl	H	H
1.759	CF ₃	Et	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1.760	CF ₃	Et	H	B ₁	Cl	H	OCF ₃	H	H
1.761	CF ₃	Et	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1.762	CF ₃	Et	H	B ₁	Cl	H	phenoxy	H	H
1.763	CF ₃	Et	H	B ₁	Cl	H	p-F-phenoxy	H	H
1.764	CF ₃	Et	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1.765	CF ₃	Et	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.766	CF ₃	Et	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1.767	CF ₃	Et	H	B ₁	Cl	H	CH=NOMe	H	H
1.768	CF ₃	Et	H	B ₁	Cl	H	CH=NOEt	H	H
1.769	CF ₃	Et	H	B ₁	Cl	H	CH=NOPr	H	H
1.770	CF ₃	Et	H	B ₁	Cl	H	C(CH ₃)=NOMe	H	H
1.771	CF ₃	Et	H	B ₁	Cl	H	C(CH ₃)=NOEt	H	H
1.772	CF ₃	Et	H	B ₁	Cl	H	C(CH ₃)=NOPr	H	H
1.773	CF ₃	Et	H	B ₁	Me	H	Me	H	H
1.774	CF ₃	Et	H	B ₁	Me	H	CF ₃	H	H
1.775	CF ₃	Et	H	B ₁	Me	H	Me	H	H
1.776	CF ₃	Et	H	B ₁	Me	H	n-Pr	H	H
1.777	CF ₃	Et	H	B ₁	Me	H	i-Pr	H	H
1.778	CF ₃	Et	H	B ₁	Me	H	c-Pr	H	H
1.779	CF ₃	Et	H	B ₁	Me	H	c-Bu	H	H
1.780	CF ₃	Et	H	B ₁	Me	H	t-Bu	H	H
1.781	CF ₃	Et	H	B ₁	Me	H	c-Hex	H	H
1.782	CF ₃	Et	H	B ₁	Me	H	C≡C-H	H	H
1.783	CF ₃	Et	H	B ₁	Me	H	C≡C-Me	H	H
1.784	CF ₃	Et	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1.785	CF ₃	Et	H	B ₁	Me	H	C≡C-t-Bu	H	H
1.786	CF ₃	Et	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1.787	CF ₃	Et	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1.788	CF ₃	Et	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1.789	CF ₃	Et	H	B ₁	Me	H	p-F-phenyl	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.790	CF ₃	Et	H	B ₁	Me	H	p-Cl-phenyl	H	H
1.791	CF ₃	Et	H	B ₁	Me	H	OCF ₃	H	H
1.792	CF ₃	Et	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1.793	CF ₃	Et	H	B ₁	Me	H	phenoxy	H	H
1.794	CF ₃	Et	H	B ₁	Me	H	p-F-phenoxy	H	H
1.795	CF ₃	Et	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1.796	CF ₃	Et	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1.797	CF ₃	Et	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1.798	CF ₃	Et	H	B ₁	Me	H	CH=NOMe	H	H
1.799	CF ₃	Et	H	B ₁	Me	H	CH=NOEt	H	H
1.800	CF ₃	Et	H	B ₁	Me	H	CH=NOPr	H	H
1.801	CF ₃	Et	H	B ₁	Me	H	C(CH ₃)=NOMe	H	H
1.802	CF ₃	Et	H	B ₁	Me	H	C(CH ₃)=NOEt	H	H
1.803	CF ₃	Et	H	B ₁	Me	H	C(CH ₃)=NOPr	H	H
1.804	CF ₃	n-Pr	H	B ₁	H	H	F	H	H
1.805	CF ₃	n-Pr	H	B ₁	H	H	Cl	H	H
1.806	CF ₃	n-Pr	H	B ₁	H	H	Me	H	H
1.807	CF ₃	n-Pr	H	B ₁	H	H	p-Cl-phenyl	H	H
1.808	CF ₃	n-Pr	H	B ₁	H	H	phenoxy	H	H
1.809	CF ₃	n-Pr	H	B ₁	H	H	p-F-phenoxy	H	H
1.810	CF ₃	n-Pr	H	B ₁	H	H	p-Cl-phenoxy	H	H
1.811	CF ₃	n-Pr	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1.812	CF ₃	n-Pr	H	B ₁	Cl	H	Cl	H	H
1.813	CF ₃	n-Pr	H	B ₁	Cl	H	CF ₃	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.814	CF ₃	n-Pr	H	B ₁	Cl	H	Me	H	H
1.815	CF ₃	n-Pr	H	B ₁	Cl	H	n-Pr	H	H
1.816	CF ₃	n-Pr	H	B ₁	Cl	H	i-Pr	H	H
1.817	CF ₃	n-Pr	H	B ₁	Cl	H	c-Pr	H	H
1.818	CF ₃	n-Pr	H	B ₁	Cl	H	c-Bu	H	H
1.819	CF ₃	n-Pr	H	B ₁	Cl	H	t-Bu	H	H
1.820	CF ₃	n-Pr	H	B ₁	Cl	H	c-Hex	H	H
1.821	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-Me	H	H
1.822	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1.823	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-t-Bu	H	H
1.824	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1.825	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1.826	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1.827	CF ₃	n-Pr	H	B ₁	Cl	H	p-F-phenyl	H	H
1.828	CF ₃	n-Pr	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1.829	CF ₃	n-Pr	H	B ₁	Cl	H	OCF ₃	H	H
1.830	CF ₃	n-Pr	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1.831	CF ₃	n-Pr	H	B ₁	Cl	H	phenoxy	H	H
1.832	CF ₃	n-Pr	H	B ₁	Cl	H	p-F-phenoxy	H	H
1.833	CF ₃	n-Pr	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1.834	CF ₃	n-Pr	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1.835	CF ₃	n-Pr	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1.836	CF ₃	n-Pr	H	B ₁	Cl	H	CH=NOMe	H	H
1.837	CF ₃	n-Pr	H	B ₁	Cl	H	CH=NOEt	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.838	CF ₃	n-Pr	H	B ₁	Cl	H	CH=NOPr	H	H
1.839	CF ₃	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOMe	H	H
1.840	CF ₃	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOEt	H	H
1.841	CF ₃	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOPr	H	H
1.842	CF ₃	n-Pr	H	B ₁	Me	H	Me	H	H
1.843	CF ₃	n-Pr	H	B ₁	Me	H	CF ₃	H	H
1.844	CF ₃	n-Pr	H	B ₁	Me	H	Me	H	H
1.845	CF ₃	n-Pr	H	B ₁	Me	H	n-Pr	H	H
1.846	CF ₃	n-Pr	H	B ₁	Me	H	i-Pr	H	H
1.847	CF ₃	n-Pr	H	B ₁	Me	H	c-Pr	H	H
1.848	CF ₃	n-Pr	H	B ₁	Me	H	c-Bu	H	H
1.849	CF ₃	n-Pr	H	B ₁	Me	H	t-Bu	H	H
1.850	CF ₃	n-Pr	H	B ₁	Me	H	c-Hex	H	H
1.851	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-Me	H	H
1.852	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1.853	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-t-Bu	H	H
1.854	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1.855	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1.856	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1.857	CF ₃	n-Pr	H	B ₁	Me	H	p-F-phenyl	H	H
1.858	CF ₃	n-Pr	H	B ₁	Me	H	p-Cl-phenyl	H	H
1.859	CF ₃	n-Pr	H	B ₁	Me	H	OCF ₃	H	H
1.860	CF ₃	n-Pr	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1.861	CF ₃	n-Pr	H	B ₁	Me	H	phenoxy	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.862	CF ₃	n-Pr	H	B ₁	Me	H	p-F-phenoxy	H	H
1.863	CF ₃	n-Pr	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1.864	CF ₃	n-Pr	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1.865	CF ₃	n-Pr	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1.866	CF ₃	n-Pr	H	B ₁	Me	H	CH=NOMe	H	H
1.867	CF ₃	n-Pr	H	B ₁	Me	H	CH=NOEt	H	H
1.868	CF ₃	n-Pr	H	B ₁	Me	H	CH=NOPr	H	H
1.869	CF ₃	n-Pr	H	B ₁	Me	H	C(CH ₃)=NOMe	H	H
1.870	CF ₃	n-Pr	H	B ₁	Me	Cl	C(CH ₃)=NOEt	H	H
1.871	CF ₃	n-Pr	H	B ₁	Me	H	C(CH ₃)=NOPr	H	H
1.872	CF ₃	Me	Me	B ₁	Cl	H	Cl	H	H
1.873	CF ₃	Me	Me	B ₁	Cl	H	Cl	H	Cl
1.874	CF ₃	Me	H	B ₂	Cl	H	Cl	H	-
1.875	CF ₃	Me	H	B ₂	Cl	H	CF ₃	H	-
1.876	CF ₃	Et	H	B ₂	Cl	H	CF ₃	H	-
1.877	CF ₃	i-Pr	H	B ₂	Cl	H	CF ₃	H	-
1.878	CF ₃	Me	Me	B ₂	Cl	H	CF ₃	H	-
1.879	CF ₃	Me	H	B ₃	Cl	H	H	Cl	-
1.880	CF ₃	Me	H	B ₃	Me	H	H	Cl	-
1.881	CF ₃	Me	H	B ₄	Cl	H	H	Cl	-
1.882	CF ₃	Me	H	B ₄	Br	H	H	Br	-
1.883	CF ₃	Me	H	B ₄	Me	H	H	Me	-
1.884	CF ₃	Me	H	B ₅	Me	H	Me	-	-
1.885	CF ₃	Me	H	B ₅	Me	H	Me	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.886	CF ₃	Me	H	B ₅	H	Me	H	-	-
1.887	CF ₃	Me	H	B ₅	H	Cl	H	-	-
1.888	CF ₃	Me	H	B ₅	H	Br	H	-	-
1.889	CF ₃	Me	H	B ₅	H	CF ₃	H	-	-
1.890	CF ₃	Me	H	B ₆	Cl	H	Cl	-	-
1.891	CF ₃	Me	H	B ₆	Cl	Cl	Cl	-	-
1.892	CF ₃	Me	H	B ₆	Cl	Me	Cl	-	-
1.893	CF ₃	Me	H	B ₇	Cl	H	-	-	-
1.894	CF ₃	Me	H	B ₇	Cl	Cl	-	-	-
1.895	CF ₃	Me	H	B ₇	Me	Me	-	-	-
1.896	CF ₃	Me	H	B ₇	OMe	Me	-	-	-
1.897	CF ₃	Me	H	B ₇	OMe	Cl	-	-	-
1.898	CF ₃	Me	H	B ₇	NHMe	Cl	-	-	-
1.899	CF ₃	Me	H	B ₈	Cl	H	H	-	-
1.900	CF ₃	Me	H	B ₈	Cl	Cl	H	-	-
1.901	CF ₃	Me	H	B ₈	Cl	Cl	Cl	-	-
1.902	CF ₃	Me	H	B ₈	Cl	H	Cl	-	-
1.903	CF ₃	Me	H	B ₈	Me	H	H	-	-
1.904	CF ₃	Me	H	B ₈	Me	Cl	H	-	-
1.905	CF ₃	Me	H	B ₈	Me	Cl	Cl	-	-
1.906	CF ₃	Me	H	B ₈	Me	Me	H	-	-
1.907	CF ₃	Me	H	B ₈	Me	H	Me	-	-
1.908	CF ₃	Me	H	B ₈	Me	Me	Cl	-	-
1.909	CF ₃	Me	H	B ₈	Me	Me	Me	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.910	CF ₃	Me	H	B ₉	Cl	Cl	H	-	-
1.911	CF ₃	Me	H	B ₉	Cl	Cl	Cl	-	-
1.912	CF ₃	Me	H	B ₉	Cl	Me	H	-	-
1.913	CF ₃	Me	H	B ₉	Cl	Me	Cl	-	-
1.914	CF ₃	Me	H	B ₉	Cl	Me	Me	-	-
1.915	CF ₃	Me	H	B ₉	Cl	Cl	Me	-	-
1.916	CF ₃	Me	H	B ₉	Me	Cl	H	-	-
1.917	CF ₃	Me	H	B ₉	Me	Cl	Cl	-	-
1.918	CF ₃	Me	H	B ₉	Me	Cl	Me	-	-
1.919	CF ₃	Me	H	B ₉	Me	Me	H	-	-
1.920	CF ₃	Me	H	B ₉	Me	Me	Cl	-	-
1.921	CF ₃	Me	H	B ₉	Me	Me	Me	-	-
1.922	CF ₃	Me	H	B ₁₀	Cl	H	H	-	-
1.923	CF ₃	Me	H	B ₁₀	Cl	Cl	H	-	-
1.924	CF ₃	Me	H	B ₁₀	Cl	Cl	Cl	-	-
1.925	CF ₃	Me	H	B ₁₀	Cl	H	Cl	-	-
1.926	CF ₃	Me	H	B ₁₀	Me	H	H	-	-
1.927	CF ₃	Me	H	B ₁₀	Me	Cl	H	-	-
1.928	CF ₃	Me	H	B ₁₀	Me	Cl	Cl	-	-
1.929	CF ₃	Me	H	B ₁₀	Me	Me	H	-	-
1.930	CF ₃	Me	H	B ₁₀	Me	H	Me	-	-
1.931	CF ₃	Me	H	B ₁₀	Me	Me	Cl	-	-
1.932	CF ₃	Me	H	B ₁₀	Me	Me	Me	-	-
1.933	CF ₃	Me	H	B ₁₁	Cl	Cl	H	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.934	CF ₃	Me	H	B ₁₁	Cl	Cl	Cl	-	-
1.935	CF ₃	Me	H	B ₁₁	Cl	Me	H	-	-
1.936	CF ₃	Me	H	B ₁₁	Cl	Me	Cl	-	-
1.937	CF ₃	Me	H	B ₁₁	Cl	Me	Me	-	-
1.938	CF ₃	Me	H	B ₁₁	Cl	Cl	Me	-	-
1.939	CF ₃	Me	H	B ₁₁	Me	Cl	H	-	-
1.940	CF ₃	Me	H	B ₁₁	Me	Cl	Cl	-	-
1.941	CF ₃	Me	H	B ₁₁	Me	Cl	Me	-	-
1.942	CF ₃	Me	H	B ₁₁	Me	Me	H	-	-
1.943	CF ₃	Me	H	B ₁₁	Me	Me	Cl	-	-
1.944	CF ₃	Me	H	B ₁₁	Me	Me	Me	-	-
1.945	CF ₃	Me	H	B ₁₂	Cl	H	H	-	-
1.946	CF ₃	Me	H	B ₁₂	Cl	Cl	H	-	-
1.947	CF ₃	Me	H	B ₁₂	Cl	Cl	Cl	-	-
1.948	CF ₃	Me	H	B ₁₂	Cl	H	Cl	-	-
1.949	CF ₃	Me	H	B ₁₂	Me	H	H	-	-
1.950	CF ₃	Me	H	B ₁₂	Me	Cl	H	-	-
1.951	CF ₃	Me	H	B ₁₂	Me	Cl	Cl	-	-
1.952	CF ₃	Me	H	B ₁₂	Me	Me	H	-	-
1.953	CF ₃	Me	H	B ₁₂	Me	H	Me	-	-
1.954	CF ₃	Me	H	B ₁₂	Me	Me	Cl	-	-
1.955	CF ₃	Me	H	B ₁₂	Me	Me	Me	-	-
1.956	CF ₃	Me	H	B ₁₃	Cl	Cl	H	-	-
1.957	CF ₃	Me	H	B ₁₃	Cl	Cl	Cl	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.958	CF ₃	Me	H	B ₁₃	Cl	Me	H	-	-
1.959	CF ₃	Me	H	B ₁₃	Cl	Me	Cl	-	-
1.960	CF ₃	Me	H	B ₁₃	Cl	Me	Me	-	-
1.961	CF ₃	Me	H	B ₁₃	Cl	Cl	Me	-	-
1.962	CF ₃	Me	H	B ₁₃	Me	Cl	H	-	-
1.963	CF ₃	Me	H	B ₁₃	Me	Cl	Cl	-	-
1.964	CF ₃	Me	H	B ₁₃	Me	Cl	Me	-	-
1.965	CF ₃	Me	H	B ₁₃	Me	Me	H	-	-
1.966	CF ₃	Me	H	B ₁₃	Me	Me	Cl	-	-
1.967	CF ₃	Me	H	B ₁₃	Me	Me	Me	-	-
1.968	CF ₃	Me	H	B ₁₄	Cl	H	-	-	-
1.969	CF ₃	Me	H	B ₁₄	Cl	Me	-	-	-
1.970	CF ₃	Me	H	B ₁₄	Br	H	-	-	-
1.971	CF ₃	Me	H	B ₁₄	Br	Me	-	-	-
1.972	CF ₃	Me	H	B ₁₄	Me	H	-	-	-
1.973	CF ₃	Me	H	B ₁₄	Me	Me	-	-	-
1.974	CF ₃	Me	H	B ₁₄	CF ₃	H	-	-	-
1.975	CF ₃	Me	H	B ₁₄	CF ₃	Me	-	-	-
1.976	CF ₃	Me	H	B ₁₄	OMe	H	-	-	-
1.977	CF ₃	Me	H	B ₁₄	OMe	Me	-	-	-
1.978	CF ₃	Me	H	B ₁₅	Cl	Cl	-	-	-
1.979	CF ₃	Me	H	B ₁₅	Me	Me	-	-	-
1.980	CF ₃	Me	H	B ₁₅	Br	Br	-	-	-
1.981	CF ₃	Me	H	B ₁₅	CF ₃	CF ₃	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.982	CF ₃	Me	H	B ₁₅	OMe	Cl	-	-	-
1.983	CF ₃	Me	H	B ₁₆	Cl	H	-	-	-
1.984	CF ₃	Me	H	B ₁₆	Cl	Cl	-	-	-
1.985	CF ₃	Me	H	B ₁₆	Br	H	-	-	-
1.986	CF ₃	Me	H	B ₁₆	Br	Br	-	-	-
1.987	CF ₃	Me	H	B ₁₆	Me	H	-	-	-
1.988	CF ₃	Me	H	B ₁₆	Me	Me	-	-	-
1.989	CF ₃	Me	H	B ₁₆	CF ₃	H	-	-	-
1.990	CF ₃	Me	H	B ₁₆	CF ₃	CF ₃	-	-	-
1.991	CF ₃	Me	H	B ₁₇	Cl	-	-	-	-
1.992	CF ₃	Me	H	B ₁₇	Br	-	-	-	-
1.993	CF ₃	Me	H	B ₁₇	Me	-	-	-	-
1.994	CF ₃	Me	H	B ₁₇	CF ₃	-	-	-	-
1.995	CF ₃	Me	H	B ₁₈	Cl	H	-	-	-
1.996	CF ₃	Me	H	B ₁₈	Br	H	-	-	-
1.997	CF ₃	Me	H	B ₁₈	Me	H	-	-	-
1.998	CF ₃	Me	H	B ₁₈	CF ₃	H	-	-	-
1.999	CF ₃	Me	H	B ₁₈	Cl	Me	-	-	-
1.1000	CF ₃	Me	H	B ₁₈	Br	Me	-	-	-
1.1001	CF ₃	Me	H	B ₁₈	Me	Me	-	-	-
1.1002	CF ₃	Me	H	B ₁₈	CF ₃	Me	-	-	-
1.1003	CF ₃	Me	H	B ₁₉	Cl	H	-	-	-
1.1004	CF ₃	Me	H	B ₁₉	Br	H	-	-	-
1.1005	CF ₃	Me	H	B ₁₉	Me	H	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.1006	CF ₃	Me	H	B ₁₉	CF ₃	H	-	-	-
1.1007	CF ₃	Me	H	B ₁₉	Cl	Me	-	-	-
1.1008	CF ₃	Me	H	B ₁₉	Br	Me	-	-	-
1.1009	CF ₃	Me	H	B ₁₉	Me	Me	-	-	-
1.1010	CF ₃	Me	H	B ₁₉	CF ₃	Me	-	-	-
1.1011	CF ₃	Me	H	B ₂₀	H	H	H	H	H
1.1012	CF ₃	Me	H	B ₂₀	H	H	H	Me	H
1.1013	CF ₃	Me	H	B ₂₀	Cl	H	H	H	H
1.1014	CF ₃	Me	H	B ₂₀	Cl	H	Cl	H	H
1.1015	CF ₃	Me	H	B ₂₀	Br	H	H	H	H
1.1016	CF ₃	Me	H	B ₂₀	Br	H	Br	H	H
1.1017	CF ₃	Me	H	B ₂₀	Me	H	H	H	H
1.1018	CF ₃	Me	H	B ₂₀	CF ₃	H	H	H	H
1.1019	CF ₃	Me	H	B ₂₀	COMe	H	H	H	H
1.1020	CF ₃	Me	H	B ₂₀	Cl	H	H	Cl	H
1.1021	CF ₃	Me	H	B ₂₁	H	H	H	H	H
1.1022	CF ₃	Me	H	B ₂₁	H	H	H	Me	H
1.1023	CF ₃	Me	H	B ₂₁	Cl	H	H	H	H
1.1024	CF ₃	Me	H	B ₂₁	H	Cl	H	H	H
1.1025	CF ₃	Me	H	B ₂₁	Cl	Cl	H	H	H
1.1026	CF ₃	Me	H	B ₂₁	H	H	H	Cl	H
1.1027	CF ₃	Me	H	B ₂₁	Cl	H	H	Cl	H
1.1028	CF ₃	Me	H	B ₂₁	H	Cl	H	Cl	H
1.1029	CF ₃	Me	H	B ₂₁	Cl	Cl	H	Cl	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.1030	CF ₃	Me	H	B ₂₁	Br	H	H	H	H
1.1031	CF ₃	Me	H	B ₂₁	CF ₃	H	H	H	H
1.1032	CF ₃	Me	H	B ₂₁	Me	H	H	H	H
1.1033	CF ₃	Me	H	B ₂₁	Cl	H	H	H	H
1.1034	CF ₃	Me	H	B ₂₁	Br	H	H	Cl	H
1.1035	CF ₃	Me	H	B ₂₁	CF ₃	H	H	Cl	H
1.1036	CF ₃	Me	H	B ₂₁	Me	H	H	Cl	H
1.1037	CF ₃	Me	H	B ₂₁	Cl	H	H	Cl	H
1.1038	CF ₃	Me	H	B ₂₂	Me	H	H	H	H
1.1039	CF ₃	Me	H	B ₂₂	H	H	H	H	Cl
1.1040	CF ₃	Me	H	B ₂₂	Me	H	H	H	Cl
1.1041	CF ₃	Me	H	B ₂₂	H	H	H	Cl	Cl
1.1042	CF ₃	Me	H	B ₂₂	H	H	H	NO ₂	Cl
1.1043	CF ₃	Me	H	B ₂₂	H	H	H	Me	Cl
1.1044	CF ₃	Me	H	B ₂₂	H	H	H	H	Br
1.1045	CF ₃	Me	H	B ₂₂	H	H	H	Cl	Br
1.1046	CF ₃	Me	H	B ₂₂	H	H	H	Me	Br
1.1047	CF ₃	Me	H	B ₂₂	H	H	H	Br	Br
1.1048	CF ₃	Me	H	B ₂₃	Cl	H	H	H	H
1.1049	CF ₃	Me	H	B ₂₃	Cl	Cl	H	H	H
1.1050	CF ₃	Me	H	B ₂₃	Cl	Me	H	H	H
1.1051	CF ₃	Me	H	B ₂₃	Me	H	H	H	H
1.1052	CF ₃	Me	H	B ₂₃	Me	Cl	H	H	H
1.1053	CF ₃	Me	H	B ₂₃	Me	Me	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.1054	CF ₃	Me	H	B ₂₃	H	H	H	H	Me
1.1055	CF ₃	Me	H	B ₂₃	Cl	H	H	H	Me
1.1056	CF ₃	Me	H	B ₂₃	Me	H	H	H	Me
1.1057	CF ₃	Me	H	B ₂₄	Cl	H	H	H	H
1.1058	CF ₃	Me	H	B ₂₄	Br	H	H	H	H
1.1059	CF ₃	Me	H	B ₂₄	CN	H	H	H	H
1.1060	CF ₃	Me	H	B ₂₄	Me	H	H	H	H
1.1061	CF ₃	Me	H	B ₂₄	OMe	H	H	H	H
1.1062	CF ₃	Me	H	B ₂₄	Cl	H	Cl	H	H
1.1063	CF ₃	Me	H	B ₂₄	Br	H	Cl	H	H
1.1064	CF ₃	Me	H	B ₂₄	CN	H	Cl	H	H
1.1065	CF ₃	Me	H	B ₂₄	Me	H	Cl	H	H
1.1066	CF ₃	Me	H	B ₂₄	OMe	H	Cl	H	H
1.1067	CF ₃	Me	H	B ₂₄	Cl	H	F	H	H
1.1068	CF ₃	Me	H	B ₂₄	Br	H	F	H	H
1.1069	CF ₃	Me	H	B ₂₄	CN	H	F	H	H
1.1070	CF ₃	Me	H	B ₂₄	Me	H	F	H	H
1.1071	CF ₃	Me	H	B ₂₄	OMe	H	F	H	H
1.1072	CF ₃	Me	H	B ₂₄	Cl	H	H	H	F
1.1073	CF ₃	Me	H	B ₂₅	Me	H	H	H	H
1.1074	CF ₃	Me	H	B ₂₅	Cl	H	H	H	H
1.1075	CF ₃	Me	H	B ₂₅	OMe	H	H	H	H
1.1076	CF ₃	Me	H	B ₂₆	Me	H	H	H	H
1.1077	CF ₃	Me	H	B ₂₆	Cl	H	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1.1078	CF ₃	Me	H	B ₂₆	OMe	H	H	H	H
1.1079	CF ₃	Me	H	B ₂₇	H	H	Me	Me	H
1.1080	CF ₃	Me	H	B ₂₇	Me	Me	Me	Me	H
1.1081	CF ₃	Me	H	B ₂₈	H	H	H	Me	Me
1.1082	CF ₃	Me	H	B ₂₈	Me	Me	H	Me	Me

Table 2 lists selected melting point and selected NMR data for compounds described in Table 1. CDCl₃ was used as the solvent for NMR measurements, unless otherwise stated. If a mixture of solvents was present, this is indicated as, for example: CDCl₃/d₆-DMSO).

In Table 2 and throughout the description that follows, temperatures are given in degrees Celsius; "NMR" means nuclear magnetic resonance spectrum; MS stands for mass spectrum; "%" is percent by weight, unless corresponding concentrations are indicated in other units. LCMS-data for physico-chemical characterization were obtained on an analytical Waters LC-MS instrument (W2790, ZMD-2000). Column was an Atlantis dC18, 3um 3.0mm x 20mm. Solvents were: A = 0.1% formic acid in water, B = 0.1% formic acid in acetonitrile. Gradient was 10% to 90% B in 2.9 min; flow rate was 1.7 ml/min. Physicochemical data are reported in the following format: retention time (min); M found in positive ionisation mode (m/z⁺).

The following abbreviations are used throughout this description:

m.p. = melting point

S = singlet

d = doublet

t = triplet

m = multiplet

b.p.= boiling point.

br = broad

dd = doublet of doublets

q = quartet

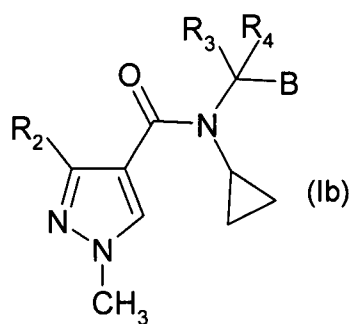
ppm = parts per million

Table 2: Characterising data:

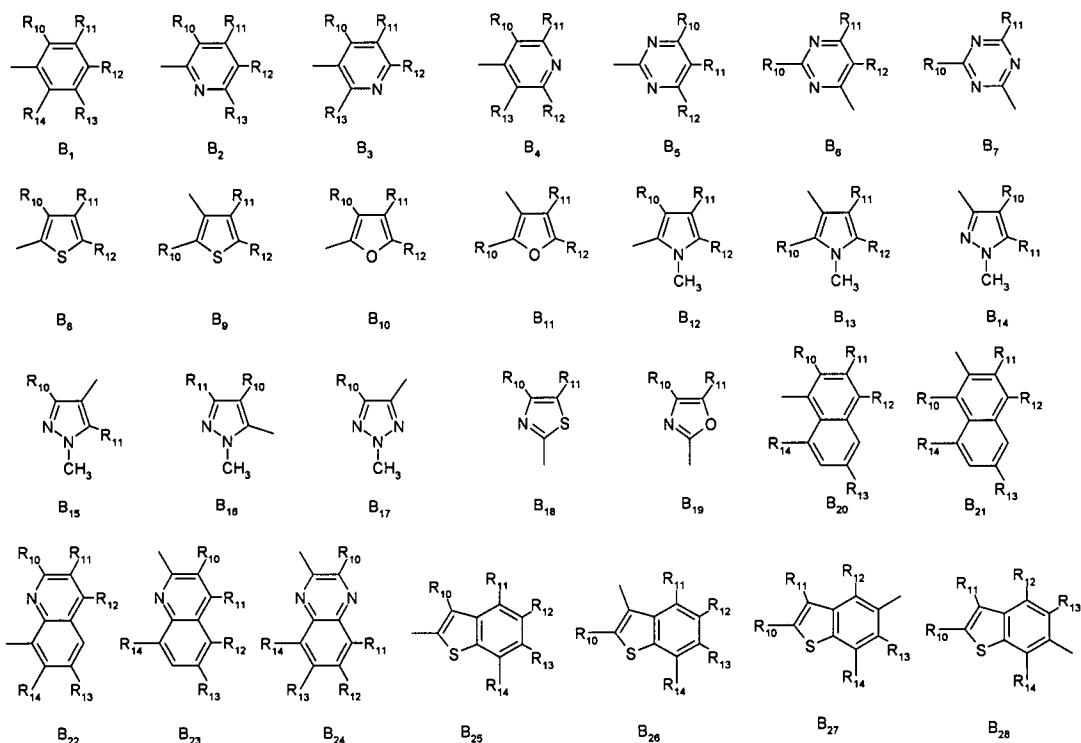
Cpd No.	¹ H-NMR data: ppm (multiplicity/number of Hs)	MS [M+H] ⁺	m.p. (°C)	LCMS data
1.003	-	-	-	1.05 min; 298
1.004	-	-	-	1.20 min; 314
1.005	-	-	-	1.20 min; 314
1.009	-	-	-	1.49 min; 358
1.014	-	-	-	1.35 min; 348
1.015	-	-	-	1.40 min; 348
1.016	-	-	-	1.16 min; 294
1.018	-	-	-	1.29 min; 294
1.021	-	-	-	1.35 min; 308
1.029	-	-	-	1.80 min; 362
1.035	-	-	-	1.50 min; 372
1.037	-	-	-	1.86 min; 406
1.039	-	-	-	2.00 min; 440
1.040	1.47-1.49(d,3H,CH ₃),3.78(s,3H,CH ₃),5.16-5.23(m,1H,CH), 6.67(s,1H,NH),6.63-6.90(t,1H,CHF ₂), 6.98(d,1H), 7.09(s,1H), 7.19(d,1H), 7.32(t,1H), 7.78(s,1H), 7.89(s,1H), 8.16(s,1H,pyrazole-H).	475/477	waxy solid	-
1.042	-	-	-	1.40 min; 348
1.043	-	-	-	1.40 min; 348
1.045	-	-	-	1.30 min; 332
1.081	-	-	-	1.43 min; 308
1.193	-	-	-	1.24 min; 312
1.194	-	-	-	1.40 min; 328
1.198	-	-	-	1.65 min; 404
1.201	-	-	-	1.74 min; 362

Cpd No.	¹ H-NMR data: ppm (multiplicity/number of Hs)	MS [M+H] ⁺	m.p. (°C)	LCMS data
1.264	-	-	-	1.50 min; 342
1.271	-	-	-	1.80 min; 376
1.301	-	-	-	1.61 min; 336
1.331	-	-	-	1.57 min; 362
1.470	-	-	-	1.34 min; 330
1.480	-	-	-	1.55 min; 330
1.481	-	-	-	1.49 min; 344
1.550	-	-	-	1.57 min; 378
1.578	-	-	-	1.90 min; 424
1.580	-	-	-	2.00 min; 458
1.742	-	-	-	1.81 min; 380

The invention is further illustrated by the preferred individual compounds of formula (Ib)



listed in Table 1a below, wherein B is one of the preferred groups B₁ to B₂₈:



In Table 1a below "Me" stands for methyl, "Et" stands for ethyl, "n-Pr" stands for n-propyl, "i-Pr" stands for isopropyl "c-Pr" stands for cyclopropyl, "n-Bu" stands for n-butyl, "c-Bu" stands for cyclobutyl, "t-Bu" stands for tertiary butyl and "c-Hex" stands for cyclohexyl.

Table 1a: preferred compounds of formula Ib:

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.001	CHF ₂	Me	H	B ₁	F	H	H	H	H
1a.002	CHF ₂	Me	H	B ₁	H	F	H	H	H
1a.003	CHF ₂	Me	H	B ₁	H	H	F	H	H
1a.004	CHF ₂	Me	H	B ₁	Cl	H	H	H	H
1a.005	CHF ₂	Me	H	B ₁	H	Cl	H	H	H
1a.006	CHF ₂	Me	H	B ₁	H	H	Cl	H	H
1a.007	CHF ₂	Me	H	B ₁	Br	H	H	H	H
1a.008	CHF ₂	Me	H	B ₁	H	Br	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.009	CHF ₂	Me	H	B ₁	H	H	Br	H	H
1a.010	CHF ₂	Me	H	B ₁	I	H	H	H	H
1a.011	CHF ₂	Me	H	B ₁	H	I	H	H	H
1a.012	CHF ₂	Me	H	B ₁	H	H	I	H	H
1a.013	CHF ₂	Me	H	B ₁	CF ₃	H	H	H	H
1a.014	CHF ₂	Me	H	B ₁	H	CF ₃	H	H	H
1a.015	CHF ₂	Me	H	B ₁	H	H	CF ₃	H	H
1a.016	CHF ₂	Me	H	B ₁	Me	H	H	H	H
1a.017	CHF ₂	Me	H	B ₁	H	Me	H	H	H
1a.018	CHF ₂	Me	H	B ₁	H	H	Me	H	H
1a.019	CHF ₂	Me	H	B ₁	Et	H	H	H	H
1a.020	CHF ₂	Me	H	B ₁	H	Et	H	H	H
1a.021	CHF ₂	Me	H	B ₁	H	H	Et	H	H
1a.022	CHF ₂	Me	H	B ₁	i-Pr	H	H	H	H
1a.023	CHF ₂	Me	H	B ₁	H	i-Pr	H	H	H
1a.024	CHF ₂	Me	H	B ₁	H	H	i-Pr	H	H
1a.025	CHF ₂	Me	H	B ₁	t-Bu	H	H	H	H
1a.026	CHF ₂	Me	H	B ₁	H	t-Bu	H	H	H
1a.027	CHF ₂	Me	H	B ₁	H	H	t-Bu	H	H
1a.028	CHF ₂	Me	H	B ₁	C≡C-H	H	H	H	H
1a.029	CHF ₂	Me	H	B ₁	H	H	c-Hex	H	H
1a.030	CHF ₂	Me	H	B ₁	H	H	C≡C-H	H	H
1a.031	CHF ₂	Me	H	B ₁	H	p-Cl-phenyl	H	H	H
1a.032	CHF ₂	Me	H	B ₁	H	H	p-Cl-phenyl	H	H
1a.033	CHF ₂	Me	H	B ₁	H	p-F-phenyl	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.034	CHF ₂	Me	H	B ₁	H	H	p-F-phenyl	H	H
1a.035	CHF ₂	Me	H	B ₁	H	H	phenoxy	H	H
1a.036	CHF ₂	Me	H	B ₁	H	H	p-F-phenoxy	H	H
1a.037	CHF ₂	Me	H	B ₁	H	H	p-Cl-phenoxy	H	H
1a.038	CHF ₂	Me	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1a.039	CHF ₂	Me	H	B ₁	H	H	o,p-Cl ₂ -phenoxy	H	H
1a.040	CHF ₂	Me	H	B ₁	H	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1a.041	CHF ₂	Me	H	B ₁	Cl	Cl	H	H	H
1a.042	CHF ₂	Me	H	B ₁	Cl	H	Cl	H	H
1a.043	CHF ₂	Me	H	B ₁	H	Cl	Cl	H	H
1a.044	CHF ₂	Me	H	B ₁	Cl	H	H	H	Cl
1a.045	CHF ₂	Me	H	B ₁	Cl	H	F	H	H
1a.046	CHF ₂	Me	H	B ₁	Cl	H	I	H	H
1a.047	CHF ₂	Me	H	B ₁	Cl	H	CF ₃	H	H
1a.048	CHF ₂	Me	H	B ₁	Cl	H	Me	H	H
1a.049	CHF ₂	Me	H	B ₁	Cl	H	Et	H	H
1a.050	CHF ₂	Me	H	B ₁	Cl	H	n-Pr	H	H
1a.051	CHF ₂	Me	H	B ₁	Cl	H	i-Pr	H	H
1a.052	CHF ₂	Me	H	B ₁	Cl	H	c-Pr	H	H
1a.053	CHF ₂	Me	H	B ₁	Cl	H	n-Bu	H	H
1a.054	CHF ₂	Me	H	B ₁	Cl	H	c-Bu	H	H
1a.055	CHF ₂	Me	H	B ₁	Cl	H	t-Bu	H	H
1a.056	CHF ₂	Me	H	B ₁	Cl	H	c-Hex	H	H
1a.057	CHF ₂	Me	H	B ₁	Cl	H	C≡C-H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.058	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Me	H	H
1a.059	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1a.060	CHF ₂	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	H
1a.061	CHF ₂	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1a.062	CHF ₂	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1a.063	CHF ₂	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1a.064	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenyl	H	H
1a.065	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1a.066	CHF ₂	Me	H	B ₁	Cl	H	OCF ₃	H	H
1a.067	CHF ₂	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1a.068	CHF ₂	Me	H	B ₁	Cl	H	phenoxy	H	H
1a.069	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenoxy	H	H
1a.070	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1a.071	CHF ₂	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1a.072	CHF ₂	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1a.073	CHF ₂	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1a.074	CHF ₂	Me	H	B ₁	Cl	H	CHO	H	H
1a.075	CHF ₂	Me	H	B ₁	Cl	H	CH=NOMe	H	H
1a.076	CHF ₂	Me	H	B ₁	Cl	H	CH=NOEt	H	H
1a.077	CHF ₂	Me	H	B ₁	Cl	H	COMe	H	H
1a.078	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	H
1a.079	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	H
1a.080	CHF ₂	Me	H	B ₁	Me	Me	H	H	H
1a.081	CHF ₂	Me	H	B ₁	Me	H	Me	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.082	CHF ₂	Me	H	B ₁	H	Me	Me	H	H
1a.083	CHF ₂	Me	H	B ₁	Me	H	H	H	Me
1a.084	CHF ₂	Me	H	B ₁	Me	H	I	H	H
1a.085	CHF ₂	Me	H	B ₁	Me	H	CF ₃	H	H
1a.086	CHF ₂	Me	H	B ₁	Me	H	Et	H	H
1a.087	CHF ₂	Me	H	B ₁	Me	H	n-Pr	H	H
1a.088	CHF ₂	Me	H	B ₁	Me	H	i-Pr	H	H
1a.089	CHF ₂	Me	H	B ₁	Me	H	c-Pr	H	H
1a.090	CHF ₂	Me	H	B ₁	Me	H	c-Bu	H	H
1a.091	CHF ₂	Me	H	B ₁	Me	H	t-Bu	H	H
1a.092	CHF ₂	Me	H	B ₁	Me	H	c-Hex	H	H
1a.093	CHF ₂	Me	H	B ₁	Me	H	C≡C-H	H	H
1a.094	CHF ₂	Me	H	B ₁	Me	H	C≡C-Me	H	H
1a.095	CHF ₂	Me	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1a.096	CHF ₂	Me	H	B ₁	Me	H	C≡C-t-Bu	H	H
1a.097	CHF ₂	Me	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1a.098	CHF ₂	Me	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1a.099	CHF ₂	Me	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1a.100	CHF ₂	Me	H	B ₁	Me	H	p-F-phenyl	H	H
1a.101	CHF ₂	Me	H	B ₁	Me	H	p-Cl-phenyl	H	H
1a.102	CHF ₂	Me	H	B ₁	Me	H	OCF ₃	H	H
1a.103	CHF ₂	Me	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1a.104	CHF ₂	Me	H	B ₁	Me	H	phenoxy	H	H
1a.105	CHF ₂	Me	H	B ₁	Me	H	p-F-phenoxy	H	H
1a.106	CHF ₂	Me	H	B ₁	Me	H	p-Cl-phenoxy	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.107	CHF ₂	Me	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1a.108	CHF ₂	Me	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1a.109	CHF ₂	Me	H	B ₁	Me	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1a.110	CHF ₂	Me	H	B ₁	Me	H	CHO	H	H
1a.111	CHF ₂	Me	H	B ₁	Me	H	CH=NOMe	H	H
1a.112	CHF ₂	Me	H	B ₁	Me	H	CH=NOEt	H	H
1a.113	CHF ₂	Me	H	B ₁	Me	H	COMe	H	H
1a.114	CHF ₂	Me	H	B ₁	Me	H	C(Me)=NOMe	H	H
1a.115	CHF ₂	Me	H	B ₁	Me	H	C(Me)=NOEt	H	H
1a.116	CHF ₂	Me	H	B ₁	H	Cl	Cl	Cl	H
1a.117	CHF ₂	Me	H	B ₁	Cl	Cl	Cl	H	H
1a.118	CHF ₂	Me	H	B ₁	Cl	H	Cl	Cl	H
1a.119	CHF ₂	Me	H	B ₁	Cl	H	Cl	H	Cl
1a.120	CHF ₂	Me	H	B ₁	Cl	H	Br	H	Cl
1a.121	CHF ₂	Me	H	B ₁	Cl	H	I	H	Cl
1a.122	CHF ₂	Me	H	B ₁	Cl	H	CF ₃	H	Cl
1a.123	CHF ₂	Me	H	B ₁	Cl	H	Me	H	Cl
1a.124	CHF ₂	Me	H	B ₁	Cl	H	Et	H	Cl
1a.125	CHF ₂	Me	H	B ₁	Cl	H	n-Pr	H	Cl
1a.126	CHF ₂	Me	H	B ₁	Cl	H	i-Pr	H	Cl
1a.127	CHF ₂	Me	H	B ₁	Cl	H	c-Pr	H	Cl
1a.128	CHF ₂	Me	H	B ₁	Cl	H	n-Bu	H	Cl
1a.129	CHF ₂	Me	H	B ₁	Cl	H	c-Bu	H	Cl
1a.130	CHF ₂	Me	H	B ₁	Cl	H	t-Bu	H	Cl

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.131	CHF ₂	Me	H	B ₁	Cl	H	c-Hex	H	Cl
1a.132	CHF ₂	Me	H	B ₁	Cl	H	C≡C-H	H	Cl
1a.133	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Me	H	Cl
1a.134	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	Cl
1a.135	CHF ₂	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	Cl
1a.136	CHF ₂	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	Cl
1a.137	CHF ₂	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	Cl
1a.138	CHF ₂	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	Cl
1a.139	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenyl	H	Cl
1a.140	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	Cl
1a.141	CHF ₂	Me	H	B ₁	Cl	H	OCF ₃	H	Cl
1a.142	CHF ₂	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	Cl
1a.143	CHF ₂	Me	H	B ₁	Cl	H	phenoxy	H	Cl
1a.144	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenoxy	H	Cl
1a.145	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	Cl
1a.146	CHF ₂	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	Cl
1a.147	CHF ₂	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	Cl
1a.148	CHF ₂	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	Cl
1a.149	CHF ₂	Me	H	B ₁	Cl	H	CHO	H	Cl
1a.150	CHF ₂	Me	H	B ₁	Cl	H	CH=NOMe	H	Cl
1a.151	CHF ₂	Me	H	B ₁	Cl	H	CH=NOEt	H	Cl
1a.152	CHF ₂	Me	H	B ₁	Cl	H	CH=NOPr	H	Cl
1a.153	CHF ₂	Me	H	B ₁	Cl	H	COMe	H	Cl
1a.154	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	Cl

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.155	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	Cl
1a.156	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOPr	H	Cl
1a.157	CHF ₂	Me	H	B ₁	Cl	H	Cl	H	Me
1a.158	CHF ₂	Me	H	B ₁	Cl	H	Br	H	Me
1a.159	CHF ₂	Me	H	B ₁	Cl	H	I	H	Me
1a.160	CHF ₂	Me	H	B ₁	Cl	H	CF ₃	H	Me
1a.161	CHF ₂	Me	H	B ₁	Cl	H	Me	H	Me
1a.162	CHF ₂	Me	H	B ₁	Cl	H	Et	H	Me
1a.163	CHF ₂	Me	H	B ₁	Cl	H	n-Pr	H	Me
1a.164	CHF ₂	Me	H	B ₁	Cl	H	i-Pr	H	Me
1a.165	CHF ₂	Me	H	B ₁	Cl	H	c-Pr	H	Me
1a.166	CHF ₂	Me	H	B ₁	Cl	H	n-Bu	H	Me
1a.167	CHF ₂	Me	H	B ₁	Cl	H	c-Bu	H	Me
1a.168	CHF ₂	Me	H	B ₁	Cl	H	t-Bu	H	Me
1a.169	CHF ₂	Me	H	B ₁	Cl	H	c-Hex	H	Me
1a.170	CHF ₂	Me	H	B ₁	Cl	H	C≡C-H	H	Me
1a.171	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Me	H	Me
1a.172	CHF ₂	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	Me
1a.173	CHF ₂	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	Me
1a.174	CHF ₂	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	Me
1a.175	CHF ₂	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	Me
1a.176	CHF ₂	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	Me
1a.177	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenyl	H	Me
1a.178	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	Me
1a.179	CHF ₂	Me	H	B ₁	Cl	H	OCF ₃	H	Me

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.180	CHF ₂	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	Me
1a.181	CHF ₂	Me	H	B ₁	Cl	H	phenoxy	H	Me
1a.182	CHF ₂	Me	H	B ₁	Cl	H	p-F-phenoxy	H	Me
1a.183	CHF ₂	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	Me
1a.184	CHF ₂	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	Me
1a.185	CHF ₂	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	Me
1a.186	CHF ₂	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	Me
1a.187	CHF ₂	Me	H	B ₁	Cl	H	CH=NOMe	H	Me
1a.188	CHF ₂	Me	H	B ₁	Cl	H	CH=NOEt	H	Me
1a.189	CHF ₂	Me	H	B ₁	Cl	H	CH=NOPr	H	Me
1a.190	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	Me
1a.191	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	Me
1a.192	CHF ₂	Me	H	B ₁	Cl	H	C(Me)=NOPr	H	Me
1a.193	CHF ₂	Et	H	B ₁	H	H	F	H	H
1a.194	CHF ₂	Et	H	B ₁	H	H	Cl	H	H
1a.195	CHF ₂	Et	H	B ₁	H	H	Me	H	H
1a.196	CHF ₂	Et	H	B ₁	H	H	p-Cl-phenyl	H	H
1a.197	CHF ₂	Et	H	B ₁	H	H	phenoxy	H	H
1a.198	CHF ₂	Et	H	B ₁	H	H	p-F-phenoxy	H	H
1a.199	CHF ₂	Et	H	B ₁	H	H	p-Cl-phenoxy	H	H
1a.200	CHF ₂	Et	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1a.201	CHF ₂	Et	H	B ₁	Cl	H	Cl	H	H
1a.202	CHF ₂	Et	H	B ₁	Cl	H	CF ₃	H	H
1a.203	CHF ₂	Et	H	B ₁	Cl	H	Me	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.204	CHF ₂	Et	H	B ₁	Cl	H	n-Pr	H	H
1a.205	CHF ₂	Et	H	B ₁	Cl	H	i-Pr	H	H
1a.206	CHF ₂	Et	H	B ₁	Cl	H	c-Pr	H	H
1a.207	CHF ₂	Et	H	B ₁	Cl	H	c-Bu	H	H
1a.208	CHF ₂	Et	H	B ₁	Cl	H	t-Bu	H	H
1a.209	CHF ₂	Et	H	B ₁	Cl	H	c-Hex	H	H
1a.210	CHF ₂	Et	H	B ₁	Cl	H	C≡C-H	H	H
1a.211	CHF ₂	Et	H	B ₁	Cl	H	C≡C-Me	H	H
1a.212	CHF ₂	Et	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1a.213	CHF ₂	Et	H	B ₁	Cl	H	C≡C-t-Bu	H	H
1a.214	CHF ₂	Et	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1a.215	CHF ₂	Et	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1a.216	CHF ₂	Et	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1a.217	CHF ₂	Et	H	B ₁	Cl	H	p-F-phenyl	H	H
1a.218	CHF ₂	Et	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1a.219	CHF ₂	Et	H	B ₁	Cl	H	OCF ₃	H	H
1a.220	CHF ₂	Et	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1a.221	CHF ₂	Et	H	B ₁	Cl	H	phenoxy	H	H
1a.222	CHF ₂	Et	H	B ₁	Cl	H	p-F-phenoxy	H	H
1a.223	CHF ₂	Et	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1a.224	CHF ₂	Et	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1a.225	CHF ₂	Et	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1a.226	CHF ₂	Et	H	B ₁	Cl	H	CH=NOMe	H	H
1a.227	CHF ₂	Et	H	B ₁	Cl	H	CH=NOEt	H	H
1a.228	CHF ₂	Et	H	B ₁	Cl	H	CH=NOPr	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.229	CHF ₂	Et	H	B ₁	Cl	H	C(CH ₃)=NOMe	H	H
1a.230	CHF ₂	Et	H	B ₁	Cl	H	C(CH ₃)=NOEt	H	H
1a.231	CHF ₂	Et	H	B ₁	Cl	H	C(CH ₃)=NOPr	H	H
1a.232	CHF ₂	Et	H	B ₁	Me	H	Me	H	H
1a.233	CHF ₂	Et	H	B ₁	Me	H	CF ₃	H	H
1a.234	CHF ₂	Et	H	B ₁	Me	H	Me	H	H
1a.235	CHF ₂	Et	H	B ₁	Me	H	n-Pr	H	H
1a.236	CHF ₂	Et	H	B ₁	Me	H	i-Pr	H	H
1a.237	CHF ₂	Et	H	B ₁	Me	H	c-Pr	H	H
1a.238	CHF ₂	Et	H	B ₁	Me	H	c-Bu	H	H
1a.239	CHF ₂	Et	H	B ₁	Me	H	t-Bu	H	H
1a.240	CHF ₂	Et	H	B ₁	Me	H	c-Hex	H	H
1a.241	CHF ₂	Et	H	B ₁	Me	H	C≡C-H	H	H
1a.242	CHF ₂	Et	H	B ₁	Me	H	C≡C-Me	H	H
1a.243	CHF ₂	Et	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1a.244	CHF ₂	Et	H	B ₁	Me	H	C≡C-t-Bu	H	H
1a.245	CHF ₂	Et	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1a.246	CHF ₂	Et	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1a.247	CHF ₂	Et	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1a.248	CHF ₂	Et	H	B ₁	Me	H	p-F-phenyl	H	H
1a.249	CHF ₂	Et	H	B ₁	Me	H	p-Cl-phenyl	H	H
1a.250	CHF ₂	Et	H	B ₁	Me	H	OCF ₃	H	H
1a.251	CHF ₂	Et	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1a.252	CHF ₂	Et	H	B ₁	Me	H	phenoxy	H	H
1a.253	CHF ₂	Et	H	B ₁	Me	H	p-F-phenoxy	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.254	CHF ₂	Et	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1a.255	CHF ₂	Et	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1a.256	CHF ₂	Et	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1a.247	CHF ₂	Et	H	B ₁	Me	H	CH=NOMe	H	H
1a.258	CHF ₂	Et	H	B ₁	Me	H	CH=NOEt	H	H
1a.259	CHF ₂	Et	H	B ₁	Me	H	CH=NOPr	H	H
1a.260	CHF ₂	Et	H	B ₁	Me	H	C(CH ₃)=NOMe	H	H
1a.261	CHF ₂	Et	H	B ₁	Me	H	C(CH ₃)=NOEt	H	H
1a.262	CHF ₂	Et	H	B ₁	Me	H	C(CH ₃)=NOPr	H	H
1a.263	CHF ₂	n-Pr	H	B ₁	H	H	F	H	H
1a.264	CHF ₂	n-Pr	H	B ₁	H	H	Cl	H	H
1a.265	CHF ₂	n-Pr	H	B ₁	H	H	Me	H	H
1a.266	CHF ₂	n-Pr	H	B ₁	H	H	p-Cl-phenyl	H	H
1a.267	CHF ₂	n-Pr	H	B ₁	H	H	phenoxy	H	H
1a.268	CHF ₂	n-Pr	H	B ₁	H	H	p-F-phenoxy	H	H
1a.269	CHF ₂	n-Pr	H	B ₁	H	H	p-Cl-phenoxy	H	H
1a.270	CHF ₂	n-Pr	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1a.271	CHF ₂	n-Pr	H	B ₁	Cl	H	Cl	H	H
1a.272	CHF ₂	n-Pr	H	B ₁	Cl	H	CF ₃	H	H
1a.273	CHF ₂	n-Pr	H	B ₁	Cl	H	Me	H	H
1a.274	CHF ₂	n-Pr	H	B ₁	Cl	H	n-Pr	H	H
1a.275	CHF ₂	n-Pr	H	B ₁	Cl	H	i-Pr	H	H
1a.276	CHF ₂	n-Pr	H	B ₁	Cl	H	c-Pr	H	H
1a.277	CHF ₂	n-Pr	H	B ₁	Cl	H	c-Bu	H	H
1a.278	CHF ₂	n-Pr	H	B ₁	Cl	H	t-Bu	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.279	CHF ₂	n-Pr	H	B ₁	Cl	H	c-Hex	H	H
1a.280	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-Me	H	H
1a.281	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1a.282	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-t-Bu	H	H
1a.283	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1a.284	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1a.285	CHF ₂	n-Pr	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1a.286	CHF ₂	n-Pr	H	B ₁	Cl	H	p-F-phenyl	H	H
1a.287	CHF ₂	n-Pr	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1a.288	CHF ₂	n-Pr	H	B ₁	Cl	H	OCF ₃	H	H
1a.289	CHF ₂	n-Pr	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1a.290	CHF ₂	n-Pr	H	B ₁	Cl	H	phenoxy	H	H
1a.291	CHF ₂	n-Pr	H	B ₁	Cl	H	p-F-phenoxy	H	H
1a.292	CHF ₂	n-Pr	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1a.293	CHF ₂	n-Pr	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1a.294	CHF ₂	n-Pr	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1a.295	CHF ₂	n-Pr	H	B ₁	Cl	H	CH=NOMe	H	H
1a.296	CHF ₂	n-Pr	H	B ₁	Cl	H	CH=NOEt	H	H
1a.297	CHF ₂	n-Pr	H	B ₁	Cl	H	CH=NOPr	H	H
1a.298	CHF ₂	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOMe	H	H
1a.299	CHF ₂	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOEt	H	H
1a.300	CHF ₂	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOPr	H	H
1a.301	CHF ₂	n-Pr	H	B ₁	Me	H	Me	H	H
1a.302	CHF ₂	n-Pr	H	B ₁	Me	H	CF ₃	H	H
1a.303	CHF ₂	n-Pr	H	B ₁	Me	H	Me	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.304	CHF ₂	n-Pr	H	B ₁	Me	H	n-Pr	H	H
1a.305	CHF ₂	n-Pr	H	B ₁	Me	H	i-Pr	H	H
1a.306	CHF ₂	n-Pr	H	B ₁	Me	H	c-Pr	H	H
1a.307	CHF ₂	n-Pr	H	B ₁	Me	H	c-Bu	H	H
1a.308	CHF ₂	n-Pr	H	B ₁	Me	H	t-Bu	H	H
1a.309	CHF ₂	n-Pr	H	B ₁	Me	H	c-Hex	H	H
1a.310	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-Me	H	H
1a.311	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1a.312	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-t-Bu	H	H
1a.313	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1a.314	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1a.315	CHF ₂	n-Pr	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1a.316	CHF ₂	n-Pr	H	B ₁	Me	H	p-F-phenyl	H	H
1a.317	CHF ₂	n-Pr	H	B ₁	Me	H	p-Cl-phenyl	H	H
1a.318	CHF ₂	n-Pr	H	B ₁	Me	H	OCF ₃	H	H
1a.319	CHF ₂	n-Pr	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1a.320	CHF ₂	n-Pr	H	B ₁	Me	H	phenoxy	H	H
1a.321	CHF ₂	n-Pr	H	B ₁	Me	H	p-F-phenoxy	H	H
1a.322	CHF ₂	n-Pr	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1a.323	CHF ₂	n-Pr	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1a.324	CHF ₂	n-Pr	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1a.325	CHF ₂	n-Pr	H	B ₁	Me	H	CH=NOMe	H	H
1a.326	CHF ₂	n-Pr	H	B ₁	Me	H	CH=NOEt	H	H
1a.327	CHF ₂	n-Pr	H	B ₁	Me	H	CH=NOPr	H	H
1a.328	CHF ₂	n-Pr	H	B ₁	Me	H	C(CH ₃)=NOMe	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.329	CHF ₂	n-Pr	H	B ₁	Me	Cl	C(CH ₃)=NOEt	H	H
1a.330	CHF ₂	n-Pr	H	B ₁	Me	H	C(CH ₃)=NOPr	H	H
1a.331	CHF ₂	Me	Me	B ₁	Cl	H	Cl	H	H
1a.332	CHF ₂	Me	Me	B ₁	Cl	H	Cl	H	Cl
1a.333	CHF ₂	Me	H	B ₂	Cl	H	Cl	H	-
1a.334	CHF ₂	Me	H	B ₂	Cl	H	CF ₃	H	-
1a.335	CHF ₂	Et	H	B ₂	Cl	H	CF ₃	H	-
1a.336	CHF ₂	i-Pr	H	B ₂	Cl	H	CF ₃	H	-
1a.337	CHF ₂	Me	Me	B ₂	Cl	H	CF ₃	H	-
1a.338	CHF ₂	Me	H	B ₃	Cl	H	H	Cl	-
1a.339	CHF ₂	Me	H	B ₃	Me	H	H	Cl	-
1a.340	CHF ₂	Me	H	B ₄	Cl	H	H	Cl	-
1a.341	CHF ₂	Me	H	B ₄	Br	H	H	Br	-
1a.342	CHF ₂	Me	H	B ₄	Me	H	H	Me	-
1a.343	CHF ₂	Me	H	B ₅	Me	H	Me	-	-
1a.344	CHF ₂	Me	H	B ₅	Me	H	Me	-	-
1a.345	CHF ₂	Me	H	B ₅	H	Me	H	-	-
1a.346	CHF ₂	Me	H	B ₅	H	Cl	H	-	-
1a.347	CHF ₂	Me	H	B ₅	H	Br	H	-	-
1a.348	CHF ₂	Me	H	B ₅	H	CF ₃	H	-	-
1a.349	CHF ₂	Me	H	B ₆	Cl	H	Cl	-	-
1a.350	CHF ₂	Me	H	B ₆	Cl	Cl	Cl	-	-
1a.351	CHF ₂	Me	H	B ₆	Cl	Me	Cl	-	-
1a.352	CHF ₂	Me	H	B ₇	Cl	H	-	-	-
1a.353	CHF ₂	Me	H	B ₇	Cl	Cl	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.354	CHF ₂	Me	H	B ₇	Me	Me	-	-	-
1a.355	CHF ₂	Me	H	B ₇	OMe	Me	-	-	-
1a.356	CHF ₂	Me	H	B ₇	OMe	Cl	-	-	-
1a.347	CHF ₂	Me	H	B ₇	NHMe	Cl	-	-	-
1a.358	CHF ₂	Me	H	B ₈	Cl	H	H	-	-
1a.359	CHF ₂	Me	H	B ₈	Cl	Cl	H	-	-
1a.360	CHF ₂	Me	H	B ₈	Cl	Cl	Cl	-	-
1a.361	CHF ₂	Me	H	B ₈	Cl	H	Cl	-	-
1a.362	CHF ₂	Me	H	B ₈	Me	H	H	-	-
1a.363	CHF ₂	Me	H	B ₈	Me	Cl	H	-	-
1a.364	CHF ₂	Me	H	B ₈	Me	Cl	Cl	-	-
1a.365	CHF ₂	Me	H	B ₈	Me	Me	H	-	-
1a.366	CHF ₂	Me	H	B ₈	Me	H	Me	-	-
1a.367	CHF ₂	Me	H	B ₈	Me	Me	Cl	-	-
1a.368	CHF ₂	Me	H	B ₈	Me	Me	Me	-	-
1a.369	CHF ₂	Me	H	B ₉	Cl	Cl	H	-	-
1a.370	CHF ₂	Me	H	B ₉	Cl	Cl	Cl	-	-
1a.371	CHF ₂	Me	H	B ₉	Cl	Me	H	-	-
1a.372	CHF ₂	Me	H	B ₉	Cl	Me	Cl	-	-
1a.373	CHF ₂	Me	H	B ₉	Cl	Me	Me	-	-
1a.374	CHF ₂	Me	H	B ₉	Cl	Cl	Me	-	-
1a.375	CHF ₂	Me	H	B ₉	Me	Cl	H	-	-
1a.376	CHF ₂	Me	H	B ₉	Me	Cl	Cl	-	-
1a.377	CHF ₂	Me	H	B ₉	Me	Cl	Me	-	-
1a.378	CHF ₂	Me	H	B ₉	Me	Me	H	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.379	CHF ₂	Me	H	B ₉	Me	Me	Cl	-	-
1a.380	CHF ₂	Me	H	B ₉	Me	Me	Me	-	-
1a.381	CHF ₂	Me	H	B ₁₀	Cl	H	H	-	-
1a.382	CHF ₂	Me	H	B ₁₀	Cl	Cl	H	-	-
1a.383	CHF ₂	Me	H	B ₁₀	Cl	Cl	Cl	-	-
1a.384	CHF ₂	Me	H	B ₁₀	Cl	H	Cl	-	-
1a.385	CHF ₂	Me	H	B ₁₀	Me	H	H	-	-
1a.386	CHF ₂	Me	H	B ₁₀	Me	Cl	H	-	-
1a.387	CHF ₂	Me	H	B ₁₀	Me	Cl	Cl	-	-
1a.388	CHF ₂	Me	H	B ₁₀	Me	Me	H	-	-
1a.389	CHF ₂	Me	H	B ₁₀	Me	H	Me	-	-
1a.390	CHF ₂	Me	H	B ₁₀	Me	Me	Cl	-	-
1a.391	CHF ₂	Me	H	B ₁₀	Me	Me	Me	-	-
1a.392	CHF ₂	Me	H	B ₁₁	Cl	Cl	H	-	-
1a.393	CHF ₂	Me	H	B ₁₁	Cl	Cl	Cl	-	-
1a.394	CHF ₂	Me	H	B ₁₁	Cl	Me	H	-	-
1a.395	CHF ₂	Me	H	B ₁₁	Cl	Me	Cl	-	-
1a.396	CHF ₂	Me	H	B ₁₁	Cl	Me	Me	-	-
1a.397	CHF ₂	Me	H	B ₁₁	Cl	Cl	Me	-	-
1a.398	CHF ₂	Me	H	B ₁₁	Me	Cl	H	-	-
1a.399	CHF ₂	Me	H	B ₁₁	Me	Cl	Cl	-	-
1a.400	CHF ₂	Me	H	B ₁₁	Me	Cl	Me	-	-
1a.401	CHF ₂	Me	H	B ₁₁	Me	Me	H	-	-
1a.402	CHF ₂	Me	H	B ₁₁	Me	Me	Cl	-	-
1a.403	CHF ₂	Me	H	B ₁₁	Me	Me	Me	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.404	CHF ₂	Me	H	B ₁₂	Cl	H	H	-	-
1a.405	CHF ₂	Me	H	B ₁₂	Cl	Cl	H	-	-
1a.406	CHF ₂	Me	H	B ₁₂	Cl	Cl	Cl	-	-
1a.407	CHF ₂	Me	H	B ₁₂	Cl	H	Cl	-	-
1a.408	CHF ₂	Me	H	B ₁₂	Me	H	H	-	-
1a.409	CHF ₂	Me	H	B ₁₂	Me	Cl	H	-	-
1a.410	CHF ₂	Me	H	B ₁₂	Me	Cl	Cl	-	-
1a.411	CHF ₂	Me	H	B ₁₂	Me	Me	H	-	-
1a.412	CHF ₂	Me	H	B ₁₂	Me	H	Me	-	-
1a.413	CHF ₂	Me	H	B ₁₂	Me	Me	Cl	-	-
1a.414	CHF ₂	Me	H	B ₁₂	Me	Me	Me	-	-
1a.415	CHF ₂	Me	H	B ₁₃	Cl	Cl	H	-	-
1a.416	CHF ₂	Me	H	B ₁₃	Cl	Cl	Cl	-	-
1a.417	CHF ₂	Me	H	B ₁₃	Cl	Me	H	-	-
1a.418	CHF ₂	Me	H	B ₁₃	Cl	Me	Cl	-	-
1a.419	CHF ₂	Me	H	B ₁₃	Cl	Me	Me	-	-
1a.420	CHF ₂	Me	H	B ₁₃	Cl	Cl	Me	-	-
1a.421	CHF ₂	Me	H	B ₁₃	Me	Cl	H	-	-
1a.422	CHF ₂	Me	H	B ₁₃	Me	Cl	Cl	-	-
1a.423	CHF ₂	Me	H	B ₁₃	Me	Cl	Me	-	-
1a.424	CHF ₂	Me	H	B ₁₃	Me	Me	H	-	-
1a.425	CHF ₂	Me	H	B ₁₃	Me	Me	Cl	-	-
1a.426	CHF ₂	Me	H	B ₁₃	Me	Me	Me	-	-
1a.427	CHF ₂	Me	H	B ₁₄	Cl	H	-	-	-
1a.428	CHF ₂	Me	H	B ₁₄	Cl	Me	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.429	CHF ₂	Me	H	B ₁₄	Br	H	-	-	-
1a.430	CHF ₂	Me	H	B ₁₄	Br	Me	-	-	-
1a.431	CHF ₂	Me	H	B ₁₄	Me	H	-	-	-
1a.432	CHF ₂	Me	H	B ₁₄	Me	Me	-	-	-
1a.433	CHF ₂	Me	H	B ₁₄	CF ₃	H	-	-	-
1a.434	CHF ₂	Me	H	B ₁₄	CF ₃	Me	-	-	-
1a.435	CHF ₂	Me	H	B ₁₄	OMe	H	-	-	-
1a.436	CHF ₂	Me	H	B ₁₄	OMe	Me	-	-	-
1a.437	CHF ₂	Me	H	B ₁₅	Cl	Cl	-	-	-
1a.438	CHF ₂	Me	H	B ₁₅	Me	Me	-	-	-
1a.439	CHF ₂	Me	H	B ₁₅	Br	Br	-	-	-
1a.440	CHF ₂	Me	H	B ₁₅	CF ₃	CF ₃	-	-	-
1a.441	CHF ₂	Me	H	B ₁₅	OMe	Cl	-	-	-
1a.442	CHF ₂	Me	H	B ₁₆	Cl	H	-	-	-
1a.443	CHF ₂	Me	H	B ₁₆	Cl	Cl	-	-	-
1a.444	CHF ₂	Me	H	B ₁₆	Br	H	-	-	-
1a.445	CHF ₂	Me	H	B ₁₆	Br	Br	-	-	-
1a.446	CHF ₂	Me	H	B ₁₆	Me	H	-	-	-
1a.447	CHF ₂	Me	H	B ₁₆	Me	Me	-	-	-
1a.448	CHF ₂	Me	H	B ₁₆	CF ₃	H	-	-	-
1a.449	CHF ₂	Me	H	B ₁₆	CF ₃	CF ₃	-	-	-
1a.450	CHF ₂	Me	H	B ₁₇	Cl	-	-	-	-
1a.451	CHF ₂	Me	H	B ₁₇	Br	-	-	-	-
1a.452	CHF ₂	Me	H	B ₁₇	Me	-	-	-	-
1a.453	CHF ₂	Me	H	B ₁₇	CF ₃	-	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.454	CHF ₂	Me	H	B ₁₈	Cl	H	-	-	-
1a.455	CHF ₂	Me	H	B ₁₈	Br	H	-	-	-
1a.456	CHF ₂	Me	H	B ₁₈	Me	H	-	-	-
1a.457	CHF ₂	Me	H	B ₁₈	CF ₃	H	-	-	-
1a.458	CHF ₂	Me	H	B ₁₈	Cl	Me	-	-	-
1a.459	CHF ₂	Me	H	B ₁₈	Br	Me	-	-	-
1a.460	CHF ₂	Me	H	B ₁₈	Me	Me	-	-	-
1a.461	CHF ₂	Me	H	B ₁₈	CF ₃	Me	-	-	-
1a.462	CHF ₂	Me	H	B ₁₉	Cl	H	-	-	-
1a.463	CHF ₂	Me	H	B ₁₉	Br	H	-	-	-
1a.464	CHF ₂	Me	H	B ₁₉	Me	H	-	-	-
1a.465	CHF ₂	Me	H	B ₁₉	CF ₃	H	-	-	-
1a.466	CHF ₂	Me	H	B ₁₉	Cl	Me	-	-	-
1a.467	CHF ₂	Me	H	B ₁₉	Br	Me	-	-	-
1a.468	CHF ₂	Me	H	B ₁₉	Me	Me	-	-	-
1a.469	CHF ₂	Me	H	B ₁₉	CF ₃	Me	-	-	-
1a.470	CHF ₂	Me	H	B ₂₀	H	H	H	H	H
1a.471	CHF ₂	Me	H	B ₂₀	H	H	H	Me	H
1a.472	CHF ₂	Me	H	B ₂₀	Cl	H	H	H	H
1a.473	CHF ₂	Me	H	B ₂₀	Cl	H	Cl	H	H
1a.474	CHF ₂	Me	H	B ₂₀	Br	H	H	H	H
1a.475	CHF ₂	Me	H	B ₂₀	Br	H	Br	H	H
1a.476	CHF ₂	Me	H	B ₂₀	Me	H	H	H	H
1a.477	CHF ₂	Me	H	B ₂₀	CF ₃	H	H	H	H
1a.478	CHF ₂	Me	H	B ₂₀	COMe	H	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.479	CHF ₂	Me	H	B ₂₀	Cl	H	H	Cl	H
1a.480	CHF ₂	Me	H	B ₂₁	H	H	H	H	H
1a.481	CHF ₂	Me	H	B ₂₁	H	H	H	Me	H
1a.482	CHF ₂	Me	H	B ₂₁	Cl	H	H	H	H
1a.483	CHF ₂	Me	H	B ₂₁	H	Cl	H	H	H
1a.484	CHF ₂	Me	H	B ₂₁	Cl	Cl	H	H	H
1a.485	CHF ₂	Me	H	B ₂₁	H	H	H	Cl	H
1a.486	CHF ₂	Me	H	B ₂₁	Cl	H	H	Cl	H
1a.487	CHF ₂	Me	H	B ₂₁	H	Cl	H	Cl	H
1a.488	CHF ₂	Me	H	B ₂₁	Cl	Cl	H	Cl	H
1a.489	CHF ₂	Me	H	B ₂₁	Br	H	H	H	H
1a.490	CHF ₂	Me	H	B ₂₁	CF ₃	H	H	H	H
1a.491	CHF ₂	Me	H	B ₂₁	Me	H	H	H	H
1a.492	CHF ₂	Me	H	B ₂₁	Cl	H	H	H	H
1a.493	CHF ₂	Me	H	B ₂₁	Br	H	H	Cl	H
1a.494	CHF ₂	Me	H	B ₂₁	CF ₃	H	H	Cl	H
1a.495	CHF ₂	Me	H	B ₂₁	Me	H	H	Cl	H
1a.496	CHF ₂	Me	H	B ₂₁	Cl	H	H	Cl	H
1a.497	CHF ₂	Me	H	B ₂₂	Me	H	H	H	H
1a.498	CHF ₂	Me	H	B ₂₂	H	H	H	H	Cl
1a.499	CHF ₂	Me	H	B ₂₂	Me	H	H	H	Cl
1a.500	CHF ₂	Me	H	B ₂₂	H	H	H	Cl	Cl
1a.501	CHF ₂	Me	H	B ₂₂	H	H	H	NO ₂	Cl
1a.502	CHF ₂	Me	H	B ₂₂	H	H	H	Me	Cl
1a.503	CHF ₂	Me	H	B ₂₂	H	H	H	H	Br

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.504	CHF ₂	Me	H	B ₂₂	H	H	H	Cl	Br
1a.505	CHF ₂	Me	H	B ₂₂	H	H	H	Me	Br
1a.506	CHF ₂	Me	H	B ₂₂	H	H	H	Br	Br
1a.507	CHF ₂	Me	H	B ₂₃	Cl	H	H	H	H
1a.508	CHF ₂	Me	H	B ₂₃	Cl	Cl	H	H	H
1a.509	CHF ₂	Me	H	B ₂₃	Cl	Me	H	H	H
1a.510	CHF ₂	Me	H	B ₂₃	Me	H	H	H	H
1a.511	CHF ₂	Me	H	B ₂₃	Me	Cl	H	H	H
1a.512	CHF ₂	Me	H	B ₂₃	Me	Me	H	H	H
1a.513	CHF ₂	Me	H	B ₂₃	H	H	H	H	Me
1a.514	CHF ₂	Me	H	B ₂₃	Cl	H	H	H	Me
1a.515	CHF ₂	Me	H	B ₂₃	Me	H	H	H	Me
1a.516	CHF ₂	Me	H	B ₂₄	Cl	H	H	H	H
1a.517	CHF ₂	Me	H	B ₂₄	Br	H	H	H	H
1a.518	CHF ₂	Me	H	B ₂₄	CN	H	H	H	H
1a.519	CHF ₂	Me	H	B ₂₄	Me	H	H	H	H
1a.520	CHF ₂	Me	H	B ₂₄	OMe	H	H	H	H
1a.521	CHF ₂	Me	H	B ₂₄	Cl	H	Cl	H	H
1a.522	CHF ₂	Me	H	B ₂₄	Br	H	Cl	H	H
1a.523	CHF ₂	Me	H	B ₂₄	CN	H	Cl	H	H
1a.524	CHF ₂	Me	H	B ₂₄	Me	H	Cl	H	H
1a.525	CHF ₂	Me	H	B ₂₄	OMe	H	Cl	H	H
1a.526	CHF ₂	Me	H	B ₂₄	Cl	H	F	H	H
1a.527	CHF ₂	Me	H	B ₂₄	Br	H	F	H	H
1a.528	CHF ₂	Me	H	B ₂₄	CN	H	F	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.529	CHF ₂	Me	H	B ₂₄	Me	H	F	H	H
1a.530	CHF ₂	Me	H	B ₂₄	OMe	H	F	H	H
1a.531	CHF ₂	Me	H	B ₂₄	Cl	H	H	H	F
1a.532	CHF ₂	Me	H	B ₂₅	Me	H	H	H	H
1a.533	CHF ₂	Me	H	B ₂₅	Cl	H	H	H	H
1a.534	CHF ₂	Me	H	B ₂₅	OMe	H	H	H	H
1a.535	CHF ₂	Me	H	B ₂₆	Me	H	H	H	H
1a.536	CHF ₂	Me	H	B ₂₆	Cl	H	H	H	H
1a.537	CHF ₂	Me	H	B ₂₆	OMe	H	H	H	H
1a.538	CHF ₂	Me	H	B ₂₇	H	H	Me	Me	H
1a.539	CHF ₂	Me	H	B ₂₇	Me	Me	Me	Me	H
1a.540	CHF ₂	Me	H	B ₂₈	H	H	H	Me	Me
1a.541	CHF ₂	Me	H	B ₂₈	Me	Me	H	Me	Me
1a.542	CF ₃	Me	H	B ₁	F	H	H	H	H
1a.543	CF ₃	Me	H	B ₁	H	F	H	H	H
1a.544	CF ₃	Me	H	B ₁	H	H	F	H	H
1a.545	CF ₃	Me	H	B ₁	Cl	H	H	H	H
1a.546	CF ₃	Me	H	B ₁	H	Cl	H	H	H
1a.547	CF ₃	Me	H	B ₁	H	H	Cl	H	H
1a.548	CF ₃	Me	H	B ₁	Br	H	H	H	H
1a.549	CF ₃	Me	H	B ₁	H	Br	H	H	H
1a.550	CF ₃	Me	H	B ₁	H	H	Br	H	H
1a.551	CF ₃	Me	H	B ₁	I	H	H	H	H
1a.552	CF ₃	Me	H	B ₁	H	I	H	H	H
1a.553	CF ₃	Me	H	B ₁	H	H	I	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.554	CF ₃	Me	H	B ₁	CF ₃	H	H	H	H
1a.555	CF ₃	Me	H	B ₁	H	CF ₃	H	H	H
1a.556	CF ₃	Me	H	B ₁	H	H	CF ₃	H	H
1a.557	CF ₃	Me	H	B ₁	Me	H	H	H	H
1a.558	CF ₃	Me	H	B ₁	H	Me	H	H	H
1a.559	CF ₃	Me	H	B ₁	H	H	Me	H	H
1a.560	CF ₃	Me	H	B ₁	Et	H	H	H	H
1a.561	CF ₃	Me	H	B ₁	H	Et	H	H	H
1a.562	CF ₃	Me	H	B ₁	H	H	Et	H	H
1a.563	CF ₃	Me	H	B ₁	i-Pr	H	H	H	H
1a.564	CF ₃	Me	H	B ₁	H	i-Pr	H	H	H
1a.565	CF ₃	Me	H	B ₁	H	H	i-Pr	H	H
1a.566	CF ₃	Me	H	B ₁	t-Bu	H	H	H	H
1a.567	CF ₃	Me	H	B ₁	H	t-Bu	H	H	H
1a.568	CF ₃	Me	H	B ₁	H	H	t-Bu	H	H
1a.569	CF ₃	Me	H	B ₁	C≡C-H	H	H	H	H
1a.570	CF ₃	Me	H	B ₁	H	C≡C-H	H	H	H
1a.571	CF ₃	Me	H	B ₁	H	H	C≡C-H	H	H
1a.572	CF ₃	Me	H	B ₁	H	p-Cl-phenyl	H	H	H
1a.573	CF ₃	Me	H	B ₁	H	H	p-Cl-phenyl	H	H
1a.574	CF ₃	Me	H	B ₁	H	p-F-phenyl	H	H	H
1a.575	CF ₃	Me	H	B ₁	H	H	p-F-phenyl	H	H
1a.576	CF ₃	Me	H	B ₁	H	H	phenoxy	H	H
1a.577	CF ₃	Me	H	B ₁	H	H	p-F-phenoxy	H	H
1a.578	CF ₃	Me	H	B ₁	H	H	p-Cl-phenoxy	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.579	CF ₃	Me	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1a.580	CF ₃	Me	H	B ₁	H	H	o,p-Cl ₂ -phenoxy	H	H
1a.581	CF ₃	Me	H	B ₁	H	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1a.582	CF ₃	Me	H	B ₁	Cl	Cl	H	H	H
1a.583	CF ₃	Me	H	B ₁	Cl	H	Cl	H	H
1a.584	CF ₃	Me	H	B ₁	H	Cl	Cl	H	H
1a.585	CF ₃	Me	H	B ₁	Cl	H	H	H	Cl
1a.586	CF ₃	Me	H	B ₁	Cl	H	Br	H	H
1a.587	CF ₃	Me	H	B ₁	Cl	H	I	H	H
1a.588	CF ₃	Me	H	B ₁	Cl	H	CF ₃	H	H
1a.589	CF ₃	Me	H	B ₁	Cl	H	Me	H	H
1a.590	CF ₃	Me	H	B ₁	Cl	H	Et	H	H
1a.591	CF ₃	Me	H	B ₁	Cl	H	n-Pr	H	H
1a.592	CF ₃	Me	H	B ₁	Cl	H	i-Pr	H	H
1a.593	CF ₃	Me	H	B ₁	Cl	H	c-Pr	H	H
1a.594	CF ₃	Me	H	B ₁	Cl	H	n-Bu	H	H
1a.595	CF ₃	Me	H	B ₁	Cl	H	c-Bu	H	H
1a.596	CF ₃	Me	H	B ₁	Cl	H	t-Bu	H	H
1a.597	CF ₃	Me	H	B ₁	Cl	H	c-Hex	H	H
1a.598	CF ₃	Me	H	B ₁	Cl	H	C≡C-H	H	H
1a.599	CF ₃	Me	H	B ₁	Cl	H	C≡C-Me	H	H
1a.600	CF ₃	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1a.601	CF ₃	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	H
1a.602	CF ₃	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.603	CF ₃	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1a.604	CF ₃	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1a.605	CF ₃	Me	H	B ₁	Cl	H	p-F-phenyl	H	H
1a.606	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1a.607	CF ₃	Me	H	B ₁	Cl	H	OCF ₃	H	H
1a.608	CF ₃	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1a.609	CF ₃	Me	H	B ₁	Cl	H	phenoxy	H	H
1a.610	CF ₃	Me	H	B ₁	Cl	H	p-F-phenoxy	H	H
1a.611	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1a.612	CF ₃	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1a.613	CF ₃	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1a.614	CF ₃	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H
1a.615	CF ₃	Me	H	B ₁	Cl	H	CHO	H	H
1a.616	CF ₃	Me	H	B ₁	Cl	H	CH=NOMe	H	H
1a.617	CF ₃	Me	H	B ₁	Cl	H	CH=NOEt	H	H
1a.618	CF ₃	Me	H	B ₁	Cl	H	COMe	H	H
1a.619	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	H
1a.620	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	H
1a.621	CF ₃	Me	H	B ₁	Me	Me	H	H	H
1a.622	CF ₃	Me	H	B ₁	Me	H	Me	H	H
1a.623	CF ₃	Me	H	B ₁	H	Me	Me	H	H
1a.624	CF ₃	Me	H	B ₁	Me	H	H	H	Me
1a.625	CF ₃	Me	H	B ₁	Me	H	I	H	H
1a.626	CF ₃	Me	H	B ₁	Me	H	CF ₃	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.627	CF ₃	Me	H	B ₁	Me	H	Et	H	H
1a.628	CF ₃	Me	H	B ₁	Me	H	n-Pr	H	H
1a.629	CF ₃	Me	H	B ₁	Me	H	i-Pr	H	H
1a.630	CF ₃	Me	H	B ₁	Me	H	c-Pr	H	H
1a.631	CF ₃	Me	H	B ₁	Me	H	c-Bu	H	H
1a.632	CF ₃	Me	H	B ₁	Me	H	t-Bu	H	H
1a.633	CF ₃	Me	H	B ₁	Me	H	c-Hex	H	H
1a.634	CF ₃	Me	H	B ₁	Me	H	C≡C-H	H	H
1a.635	CF ₃	Me	H	B ₁	Me	H	C≡C-Me	H	H
1a.636	CF ₃	Me	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1a.637	CF ₃	Me	H	B ₁	Me	H	C≡C-t-Bu	H	H
1a.638	CF ₃	Me	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1a.639	CF ₃	Me	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1a.640	CF ₃	Me	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1a.641	CF ₃	Me	H	B ₁	Me	H	p-F-phenyl	H	H
1a.642	CF ₃	Me	H	B ₁	Me	H	p-Cl-phenyl	H	H
1a.643	CF ₃	Me	H	B ₁	Me	H	OCF ₃	H	H
1a.544	CF ₃	Me	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1a.645	CF ₃	Me	H	B ₁	Me	H	phenoxy	H	H
1a.646	CF ₃	Me	H	B ₁	Me	H	p-F-phenoxy	H	H
1a.647	CF ₃	Me	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1a.648	CF ₃	Me	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1a.649	CF ₃	Me	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1a.650	CF ₃	Me	H	B ₁	Me	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.651	CF ₃	Me	H	B ₁	Me	H	CHO	H	H
1a.652	CF ₃	Me	H	B ₁	Me	H	CH=NOMe	H	H
1a.653	CF ₃	Me	H	B ₁	Me	H	CH=NOEt	H	H
1a.654	CF ₃	Me	H	B ₁	Me	H	COMe	H	H
1a.655	CF ₃	Me	H	B ₁	Me	H	C(Me)=NOMe	H	H
1a.656	CF ₃	Me	H	B ₁	Me	H	C(Me)=NOEt	H	H
1a.657	CF ₃	Me	H	B ₁	H	Cl	Cl	Cl	H
1a.658	CF ₃	Me	H	B ₁	Cl	Cl	Cl	H	H
1a.659	CF ₃	Me	H	B ₁	Cl	H	Cl	Cl	H
1a.660	CF ₃	Me	H	B ₁	Cl	H	Cl	H	Cl
1a.661	CF ₃	Me	H	B ₁	Cl	H	Br	H	Cl
1a.662	CF ₃	Me	H	B ₁	Cl	H	I	H	Cl
1a.663	CF ₃	Me	H	B ₁	Cl	H	CF ₃	H	Cl
1a.664	CF ₃	Me	H	B ₁	Cl	H	Me	H	Cl
1a.665	CF ₃	Me	H	B ₁	Cl	H	Et	H	Cl
1a.666	CF ₃	Me	H	B ₁	Cl	H	n-Pr	H	Cl
1a.667	CF ₃	Me	H	B ₁	Cl	H	i-Pr	H	Cl
1a.668	CF ₃	Me	H	B ₁	Cl	H	c-Pr	H	Cl
1a.669	CF ₃	Me	H	B ₁	Cl	H	n-Bu	H	Cl
1a.670	CF ₃	Me	H	B ₁	Cl	H	c-Bu	H	Cl
1a.671	CF ₃	Me	H	B ₁	Cl	H	t-Bu	H	Cl
1a.672	CF ₃	Me	H	B ₁	Cl	H	c-Hex	H	Cl
1a.673	CF ₃	Me	H	B ₁	Cl	H	C≡C-H	H	Cl
1a.674	CF ₃	Me	H	B ₁	Cl	H	C≡C-Me	H	Cl
1a.675	CF ₃	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	Cl

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.676	CF ₃	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	Cl
1a.677	CF ₃	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	Cl
1a.678	CF ₃	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	Cl
1a.679	CF ₃	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	Cl
1a.680	CF ₃	Me	H	B ₁	Cl	H	p-F-phenyl	H	Cl
1a.681	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	Cl
1a.682	CF ₃	Me	H	B ₁	Cl	H	OCF ₃	H	Cl
1a.683	CF ₃	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	Cl
1a.684	CF ₃	Me	H	B ₁	Cl	H	phenoxy	H	Cl
1a.685	CF ₃	Me	H	B ₁	Cl	H	p-F-phenoxy	H	Cl
1a.686	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	Cl
1a.687	CF ₃	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	Cl
1a.688	CF ₃	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	Cl
1a.689	CF ₃	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	Cl
1a.690	CF ₃	Me	H	B ₁	Cl	H	CHO	H	Cl
1a.691	CF ₃	Me	H	B ₁	Cl	H	CH=NOMe	H	Cl
1a.692	CF ₃	Me	H	B ₁	Cl	H	CH=NOEt	H	Cl
1a.693	CF ₃	Me	H	B ₁	Cl	H	CH=NOPr	H	Cl
1a.694	CF ₃	Me	H	B ₁	Cl	H	COMe	H	Cl
1a.695	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	Cl
1a.696	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	Cl
1a.697	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOPr	H	Cl
1a.698	CF ₃	Me	H	B ₁	Cl	H	Cl	H	Me
1a.699	CF ₃	Me	H	B ₁	Cl	H	Br	H	Me

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.700	CF ₃	Me	H	B ₁	Cl	H	I	H	Me
1a.701	CF ₃	Me	H	B ₁	Cl	H	CF ₃	H	Me
1a.702	CF ₃	Me	H	B ₁	Cl	H	Me	H	Me
1a.703	CF ₃	Me	H	B ₁	Cl	H	Et	H	Me
1a.704	CF ₃	Me	H	B ₁	Cl	H	n-Pr	H	Me
1a.705	CF ₃	Me	H	B ₁	Cl	H	i-Pr	H	Me
1a.706	CF ₃	Me	H	B ₁	Cl	H	c-Pr	H	Me
1a.707	CF ₃	Me	H	B ₁	Cl	H	n-Bu	H	Me
1a.708	CF ₃	Me	H	B ₁	Cl	H	c-Bu	H	Me
1a.709	CF ₃	Me	H	B ₁	Cl	H	t-Bu	H	Me
1a.710	CF ₃	Me	H	B ₁	Cl	H	c-Hex	H	Me
1a.711	CF ₃	Me	H	B ₁	Cl	H	C≡C-H	H	Me
1a.712	CF ₃	Me	H	B ₁	Cl	H	C≡C-Me	H	Me
1a.713	CF ₃	Me	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	Me
1a.714	CF ₃	Me	H	B ₁	Cl	H	C≡C-t-Bu	H	Me
1a.715	CF ₃	Me	H	B ₁	Cl	H	C≡C-C-i-Pr	H	Me
1a.716	CF ₃	Me	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	Me
1a.717	CF ₃	Me	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	Me
1a.718	CF ₃	Me	H	B ₁	Cl	H	p-F-phenyl	H	Me
1a.719	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenyl	H	Me
1a.720	CF ₃	Me	H	B ₁	Cl	H	OCF ₃	H	Me
1a.721	CF ₃	Me	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	Me
1a.722	CF ₃	Me	H	B ₁	Cl	H	phenoxy	H	Me
1a.723	CF ₃	Me	H	B ₁	Cl	H	p-F-phenoxy	H	Me
1a.724	CF ₃	Me	H	B ₁	Cl	H	p-Cl-phenoxy	H	Me

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.725	CF ₃	Me	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	Me
1a.726	CF ₃	Me	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	Me
1a.727	CF ₃	Me	H	B ₁	Cl	H	3-Cl-5-CF ₃ -2-pyridinyloxy	H	Me
1a.728	CF ₃	Me	H	B ₁	Cl	H	CH=NOMe	H	Me
1a.729	CF ₃	Me	H	B ₁	Cl	H	CH=NOEt	H	Me
1a.730	CF ₃	Me	H	B ₁	Cl	H	CH=NOPr	H	Me
1a.731	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOMe	H	Me
1a.732	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOEt	H	Me
1a.733	CF ₃	Me	H	B ₁	Cl	H	C(Me)=NOPr	H	Me
1a.734	CF ₃	Et	H	B ₁	H	H	F	H	H
1a.735	CF ₃	Et	H	B ₁	H	H	Cl	H	H
1a.736	CF ₃	Et	H	B ₁	H	H	Me	H	H
1a.737	CF ₃	Et	H	B ₁	H	H	p-Cl-phenyl	H	H
1a.738	CF ₃	Et	H	B ₁	H	H	phenoxy	H	H
1a.739	CF ₃	Et	H	B ₁	H	H	p-F-phenoxy	H	H
1a.740	CF ₃	Et	H	B ₁	H	H	p-Cl-phenoxy	H	H
1a.741	CF ₃	Et	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1a.742	CF ₃	Et	H	B ₁	Cl	H	Cl	H	H
1a.743	CF ₃	Et	H	B ₁	Cl	H	CF ₃	H	H
1a.744	CF ₃	Et	H	B ₁	Cl	H	Me	H	H
1a.745	CF ₃	Et	H	B ₁	Cl	H	n-Pr	H	H
1a.746	CF ₃	Et	H	B ₁	Cl	H	i-Pr	H	H
1a.747	CF ₃	Et	H	B ₁	Cl	H	c-Pr	H	H
1a.748	CF ₃	Et	H	B ₁	Cl	H	c-Bu	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.749	CF ₃	Et	H	B ₁	Cl	H	t-Bu	H	H
1a.750	CF ₃	Et	H	B ₁	Cl	H	c-Hex	H	H
1a.751	CF ₃	Et	H	B ₁	Cl	H	C≡C-H	H	H
1a.752	CF ₃	Et	H	B ₁	Cl	H	C≡C-Me	H	H
1a.753	CF ₃	Et	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1a.754	CF ₃	Et	H	B ₁	Cl	H	C≡C-t-Bu	H	H
1a.755	CF ₃	Et	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1a.756	CF ₃	Et	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1a.757	CF ₃	Et	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1a.758	CF ₃	Et	H	B ₁	Cl	H	p-F-phenyl	H	H
1a.759	CF ₃	Et	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1a.760	CF ₃	Et	H	B ₁	Cl	H	OCF ₃	H	H
1a.761	CF ₃	Et	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1a.762	CF ₃	Et	H	B ₁	Cl	H	phenoxy	H	H
1a.763	CF ₃	Et	H	B ₁	Cl	H	p-F-phenoxy	H	H
1a.764	CF ₃	Et	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1a.765	CF ₃	Et	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1a.766	CF ₃	Et	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1a.767	CF ₃	Et	H	B ₁	Cl	H	CH=NOMe	H	H
1a.768	CF ₃	Et	H	B ₁	Cl	H	CH=NOEt	H	H
1a.769	CF ₃	Et	H	B ₁	Cl	H	CH=NOPr	H	H
1a.770	CF ₃	Et	H	B ₁	Cl	H	C(CH ₃)=NOMe	H	H
1a.771	CF ₃	Et	H	B ₁	Cl	H	C(CH ₃)=NOEt	H	H
1a.772	CF ₃	Et	H	B ₁	Cl	H	C(CH ₃)=NOPr	H	H
1a.773	CF ₃	Et	H	B ₁	Me	H	Me	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.774	CF ₃	Et	H	B ₁	Me	H	CF ₃	H	H
1a.775	CF ₃	Et	H	B ₁	Me	H	Me	H	H
1a.776	CF ₃	Et	H	B ₁	Me	H	n-Pr	H	H
1a.777	CF ₃	Et	H	B ₁	Me	H	i-Pr	H	H
1a.778	CF ₃	Et	H	B ₁	Me	H	c-Pr	H	H
1a.779	CF ₃	Et	H	B ₁	Me	H	c-Bu	H	H
1a.780	CF ₃	Et	H	B ₁	Me	H	t-Bu	H	H
1a.781	CF ₃	Et	H	B ₁	Me	H	c-Hex	H	H
1a.782	CF ₃	Et	H	B ₁	Me	H	C≡C-H	H	H
1a.783	CF ₃	Et	H	B ₁	Me	H	C≡C-Me	H	H
1a.784	CF ₃	Et	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1a.785	CF ₃	Et	H	B ₁	Me	H	C≡C-t-Bu	H	H
1a.786	CF ₃	Et	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1a.787	CF ₃	Et	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1a.788	CF ₃	Et	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1a.789	CF ₃	Et	H	B ₁	Me	H	p-F-phenyl	H	H
1a.790	CF ₃	Et	H	B ₁	Me	H	p-Cl-phenyl	H	H
1a.791	CF ₃	Et	H	B ₁	Me	H	OCF ₃	H	H
1a.792	CF ₃	Et	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1a.793	CF ₃	Et	H	B ₁	Me	H	phenoxy	H	H
1a.794	CF ₃	Et	H	B ₁	Me	H	p-F-phenoxy	H	H
1a.795	CF ₃	Et	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1a.796	CF ₃	Et	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1a.797	CF ₃	Et	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1a.798	CF ₃	Et	H	B ₁	Me	H	CH=NOMe	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.799	CF ₃	Et	H	B ₁	Me	H	CH=NOEt	H	H
1a.800	CF ₃	Et	H	B ₁	Me	H	CH=NOPr	H	H
1a.801	CF ₃	Et	H	B ₁	Me	H	C(CH ₃)=NOMe	H	H
1a.802	CF ₃	Et	H	B ₁	Me	H	C(CH ₃)=NOEt	H	H
1a.803	CF ₃	Et	H	B ₁	Me	H	C(CH ₃)=NOPr	H	H
1a.804	CF ₃	n-Pr	H	B ₁	H	H	F	H	H
1a.805	CF ₃	n-Pr	H	B ₁	H	H	Cl	H	H
1a.806	CF ₃	n-Pr	H	B ₁	H	H	Me	H	H
1a.807	CF ₃	n-Pr	H	B ₁	H	H	p-Cl-phenyl	H	H
1a.808	CF ₃	n-Pr	H	B ₁	H	H	phenoxy	H	H
1a.809	CF ₃	n-Pr	H	B ₁	H	H	p-F-phenoxy	H	H
1a.810	CF ₃	n-Pr	H	B ₁	H	H	p-Cl-phenoxy	H	H
1a.811	CF ₃	n-Pr	H	B ₁	H	H	p-CF ₃ -phenoxy	H	H
1a.812	CF ₃	n-Pr	H	B ₁	Cl	H	Cl	H	H
1a.813	CF ₃	n-Pr	H	B ₁	Cl	H	CF ₃	H	H
1a.814	CF ₃	n-Pr	H	B ₁	Cl	H	Me	H	H
1a.815	CF ₃	n-Pr	H	B ₁	Cl	H	n-Pr	H	H
1a.816	CF ₃	n-Pr	H	B ₁	Cl	H	i-Pr	H	H
1a.817	CF ₃	n-Pr	H	B ₁	Cl	H	c-Pr	H	H
1a.818	CF ₃	n-Pr	H	B ₁	Cl	H	c-Bu	H	H
1a.819	CF ₃	n-Pr	H	B ₁	Cl	H	t-Bu	H	H
1a.820	CF ₃	n-Pr	H	B ₁	Cl	H	c-Hex	H	H
1a.821	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-Me	H	H
1a.822	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-Si(Me) ₃	H	H
1a.823	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-t-Bu	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.824	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-C-i-Pr	H	H
1a.825	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-CH ₂ OMe	H	H
1a.826	CF ₃	n-Pr	H	B ₁	Cl	H	C≡C-p-Cl-phenyl	H	H
1a.827	CF ₃	n-Pr	H	B ₁	Cl	H	p-F-phenyl	H	H
1a.828	CF ₃	n-Pr	H	B ₁	Cl	H	p-Cl-phenyl	H	H
1a.829	CF ₃	n-Pr	H	B ₁	Cl	H	OCF ₃	H	H
1a.830	CF ₃	n-Pr	H	B ₁	Cl	H	OCH ₂ CH=CHCl ₂	H	H
1a.831	CF ₃	n-Pr	H	B ₁	Cl	H	phenoxy	H	H
1a.832	CF ₃	n-Pr	H	B ₁	Cl	H	p-F-phenoxy	H	H
1a.833	CF ₃	n-Pr	H	B ₁	Cl	H	p-Cl-phenoxy	H	H
1a.834	CF ₃	n-Pr	H	B ₁	Cl	H	p-CF ₃ -phenoxy	H	H
1a.835	CF ₃	n-Pr	H	B ₁	Cl	H	o,p-Cl ₂ -phenoxy	H	H
1a.836	CF ₃	n-Pr	H	B ₁	Cl	H	CH=NOMe	H	H
1a.837	CF ₃	n-Pr	H	B ₁	Cl	H	CH=NOEt	H	H
1a.838	CF ₃	n-Pr	H	B ₁	Cl	H	CH=NOPr	H	H
1a.839	CF ₃	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOMe	H	H
1a.840	CF ₃	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOEt	H	H
1a.841	CF ₃	n-Pr	H	B ₁	Cl	H	C(CH ₃)=NOPr	H	H
1a.842	CF ₃	n-Pr	H	B ₁	Me	H	Me	H	H
1a.843	CF ₃	n-Pr	H	B ₁	Me	H	CF ₃	H	H
1a.844	CF ₃	n-Pr	H	B ₁	Me	H	Me	H	H
1a.845	CF ₃	n-Pr	H	B ₁	Me	H	n-Pr	H	H
1a.846	CF ₃	n-Pr	H	B ₁	Me	H	i-Pr	H	H
1a.847	CF ₃	n-Pr	H	B ₁	Me	H	c-Pr	H	H
1a.848	CF ₃	n-Pr	H	B ₁	Me	H	c-Bu	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.849	CF ₃	n-Pr	H	B ₁	Me	H	t-Bu	H	H
1a.850	CF ₃	n-Pr	H	B ₁	Me	H	c-Hex	H	H
1a.851	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-Me	H	H
1a.852	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-Si(Me) ₃	H	H
1a.853	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-t-Bu	H	H
1a.854	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-C-i-Pr	H	H
1a.855	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-CH ₂ OMe	H	H
1a.856	CF ₃	n-Pr	H	B ₁	Me	H	C≡C-p-Cl-phenyl	H	H
1a.857	CF ₃	n-Pr	H	B ₁	Me	H	p-F-phenyl	H	H
1a.858	CF ₃	n-Pr	H	B ₁	Me	H	p-Cl-phenyl	H	H
1a.859	CF ₃	n-Pr	H	B ₁	Me	H	OCF ₃	H	H
1a.860	CF ₃	n-Pr	H	B ₁	Me	H	OCH ₂ CH=CHCl ₂	H	H
1a.861	CF ₃	n-Pr	H	B ₁	Me	H	phenoxy	H	H
1a.862	CF ₃	n-Pr	H	B ₁	Me	H	p-F-phenoxy	H	H
1a.863	CF ₃	n-Pr	H	B ₁	Me	H	p-Cl-phenoxy	H	H
1a.864	CF ₃	n-Pr	H	B ₁	Me	H	p-CF ₃ -phenoxy	H	H
1a.865	CF ₃	n-Pr	H	B ₁	Me	H	o,p-Cl ₂ -phenoxy	H	H
1a.866	CF ₃	n-Pr	H	B ₁	Me	H	CH=NOMe	H	H
1a.867	CF ₃	n-Pr	H	B ₁	Me	H	CH=NOEt	H	H
1a.868	CF ₃	n-Pr	H	B ₁	Me	H	CH=NOPr	H	H
1a.869	CF ₃	n-Pr	H	B ₁	Me	H	C(CH ₃)=NOMe	H	H
1a.870	CF ₃	n-Pr	H	B ₁	Me	Cl	C(CH ₃)=NOEt	H	H
1a.871	CF ₃	n-Pr	H	B ₁	Me	H	C(CH ₃)=NOPr	H	H
1a.872	CF ₃	Me	Me	B ₁	Cl	H	Cl	H	H
1a.873	CF ₃	Me	Me	B ₁	Cl	H	Cl	H	Cl

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.874	CF ₃	Me	H	B ₂	Cl	H	Cl	H	-
1a.875	CF ₃	Me	H	B ₂	Cl	H	CF ₃	H	-
1a.876	CF ₃	Et	H	B ₂	Cl	H	CF ₃	H	-
1a.877	CF ₃	i-Pr	H	B ₂	Cl	H	CF ₃	H	-
1a.878	CF ₃	Me	Me	B ₂	Cl	H	CF ₃	H	-
1a.879	CF ₃	Me	H	B ₃	Cl	H	H	Cl	-
1a.880	CF ₃	Me	H	B ₃	Me	H	H	Cl	-
1a.881	CF ₃	Me	H	B ₄	Cl	H	H	Cl	-
1a.882	CF ₃	Me	H	B ₄	Br	H	H	Br	-
1a.883	CF ₃	Me	H	B ₄	Me	H	H	Me	-
1a.884	CF ₃	Me	H	B ₅	Me	H	Me	-	-
1a.885	CF ₃	Me	H	B ₅	Me	H	Me	-	-
1a.886	CF ₃	Me	H	B ₅	H	Me	H	-	-
1a.887	CF ₃	Me	H	B ₅	H	Cl	H	-	-
1a.888	CF ₃	Me	H	B ₅	H	Br	H	-	-
1a.889	CF ₃	Me	H	B ₅	H	CF ₃	H	-	-
1a.890	CF ₃	Me	H	B ₆	Cl	H	Cl	-	-
1a.891	CF ₃	Me	H	B ₆	Cl	Cl	Cl	-	-
1a.892	CF ₃	Me	H	B ₆	Cl	Me	Cl	-	-
1a.893	CF ₃	Me	H	B ₇	Cl	H	-	-	-
1a.894	CF ₃	Me	H	B ₇	Cl	Cl	-	-	-
1a.895	CF ₃	Me	H	B ₇	Me	Me	-	-	-
1a.896	CF ₃	Me	H	B ₇	OMe	Me	-	-	-
1a.897	CF ₃	Me	H	B ₇	OMe	Cl	-	-	-
1a.898	CF ₃	Me	H	B ₇	NHMe	Cl	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.899	CF ₃	Me	H	B ₈	Cl	H	H	-	-
1a.900	CF ₃	Me	H	B ₈	Cl	Cl	H	-	-
1a.901	CF ₃	Me	H	B ₈	Cl	Cl	Cl	-	-
1a.902	CF ₃	Me	H	B ₈	Cl	H	Cl	-	-
1a.903	CF ₃	Me	H	B ₈	Me	H	H	-	-
1a.904	CF ₃	Me	H	B ₈	Me	Cl	H	-	-
1a.905	CF ₃	Me	H	B ₈	Me	Cl	Cl	-	-
1a.906	CF ₃	Me	H	B ₈	Me	Me	H	-	-
1a.907	CF ₃	Me	H	B ₈	Me	H	Me	-	-
1a.908	CF ₃	Me	H	B ₈	Me	Me	Cl	-	-
1a.909	CF ₃	Me	H	B ₈	Me	Me	Me	-	-
1a.910	CF ₃	Me	H	B ₉	Cl	Cl	H	-	-
1a.911	CF ₃	Me	H	B ₉	Cl	Cl	Cl	-	-
1a.912	CF ₃	Me	H	B ₉	Cl	Me	H	-	-
1a.913	CF ₃	Me	H	B ₉	Cl	Me	Cl	-	-
1a.914	CF ₃	Me	H	B ₉	Cl	Me	Me	-	-
1a.915	CF ₃	Me	H	B ₉	Cl	Cl	Me	-	-
1a.916	CF ₃	Me	H	B ₉	Me	Cl	H	-	-
1a.917	CF ₃	Me	H	B ₉	Me	Cl	Cl	-	-
1a.918	CF ₃	Me	H	B ₉	Me	Cl	Me	-	-
1a.919	CF ₃	Me	H	B ₉	Me	Me	H	-	-
1a.920	CF ₃	Me	H	B ₉	Me	Me	Cl	-	-
1a.921	CF ₃	Me	H	B ₉	Me	Me	Me	-	-
1a.922	CF ₃	Me	H	B ₁₀	Cl	H	H	-	-
1a.923	CF ₃	Me	H	B ₁₀	Cl	Cl	H	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.924	CF ₃	Me	H	B ₁₀	Cl	Cl	Cl	-	-
1a.925	CF ₃	Me	H	B ₁₀	Cl	H	Cl	-	-
1a.926	CF ₃	Me	H	B ₁₀	Me	H	H	-	-
1a.927	CF ₃	Me	H	B ₁₀	Me	Cl	H	-	-
1a.928	CF ₃	Me	H	B ₁₀	Me	Cl	Cl	-	-
1a.929	CF ₃	Me	H	B ₁₀	Me	Me	H	-	-
1a.930	CF ₃	Me	H	B ₁₀	Me	H	Me	-	-
1a.931	CF ₃	Me	H	B ₁₀	Me	Me	Cl	-	-
1a.932	CF ₃	Me	H	B ₁₀	Me	Me	Me	-	-
1a.933	CF ₃	Me	H	B ₁₁	Cl	Cl	H	-	-
1a.934	CF ₃	Me	H	B ₁₁	Cl	Cl	Cl	-	-
1a.935	CF ₃	Me	H	B ₁₁	Cl	Me	H	-	-
1a.936	CF ₃	Me	H	B ₁₁	Cl	Me	Cl	-	-
1a.937	CF ₃	Me	H	B ₁₁	Cl	Me	Me	-	-
1a.938	CF ₃	Me	H	B ₁₁	Cl	Cl	Me	-	-
1a.939	CF ₃	Me	H	B ₁₁	Me	Cl	H	-	-
1a.940	CF ₃	Me	H	B ₁₁	Me	Cl	Cl	-	-
1a.941	CF ₃	Me	H	B ₁₁	Me	Cl	Me	-	-
1a.942	CF ₃	Me	H	B ₁₁	Me	Me	H	-	-
1a.943	CF ₃	Me	H	B ₁₁	Me	Me	Cl	-	-
1a.944	CF ₃	Me	H	B ₁₁	Me	Me	Me	-	-
1a.945	CF ₃	Me	H	B ₁₂	Cl	H	H	-	-
1a.946	CF ₃	Me	H	B ₁₂	Cl	Cl	H	-	-
1a.947	CF ₃	Me	H	B ₁₂	Cl	Cl	Cl	-	-
1a.948	CF ₃	Me	H	B ₁₂	Cl	H	Cl	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.949	CF ₃	Me	H	B ₁₂	Me	H	H	-	-
1a.950	CF ₃	Me	H	B ₁₂	Me	Cl	H	-	-
1a.951	CF ₃	Me	H	B ₁₂	Me	Cl	Cl	-	-
1a.952	CF ₃	Me	H	B ₁₂	Me	Me	H	-	-
1a.953	CF ₃	Me	H	B ₁₂	Me	H	Me	-	-
1a.954	CF ₃	Me	H	B ₁₂	Me	Me	Cl	-	-
1a.955	CF ₃	Me	H	B ₁₂	Me	Me	Me	-	-
1a.956	CF ₃	Me	H	B ₁₃	Cl	Cl	H	-	-
1a.957	CF ₃	Me	H	B ₁₃	Cl	Cl	Cl	-	-
1a.958	CF ₃	Me	H	B ₁₃	Cl	Me	H	-	-
1a.959	CF ₃	Me	H	B ₁₃	Cl	Me	Cl	-	-
1a.960	CF ₃	Me	H	B ₁₃	Cl	Me	Me	-	-
1a.961	CF ₃	Me	H	B ₁₃	Cl	Cl	Me	-	-
1a.962	CF ₃	Me	H	B ₁₃	Me	Cl	H	-	-
1a.963	CF ₃	Me	H	B ₁₃	Me	Cl	Cl	-	-
1a.964	CF ₃	Me	H	B ₁₃	Me	Cl	Me	-	-
1a.965	CF ₃	Me	H	B ₁₃	Me	Me	H	-	-
1a.966	CF ₃	Me	H	B ₁₃	Me	Me	Cl	-	-
1a.967	CF ₃	Me	H	B ₁₃	Me	Me	Me	-	-
1a.968	CF ₃	Me	H	B ₁₄	Cl	H	-	-	-
1a.969	CF ₃	Me	H	B ₁₄	Cl	Me	-	-	-
1a.970	CF ₃	Me	H	B ₁₄	Br	H	-	-	-
1a.971	CF ₃	Me	H	B ₁₄	Br	Me	-	-	-
1a.972	CF ₃	Me	H	B ₁₄	Me	H	-	-	-
1a.973	CF ₃	Me	H	B ₁₄	Me	Me	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.974	CF ₃	Me	H	B ₁₄	CF ₃	H	-	-	-
1a.975	CF ₃	Me	H	B ₁₄	CF ₃	Me	-	-	-
1a.976	CF ₃	Me	H	B ₁₄	OMe	H	-	-	-
1a.977	CF ₃	Me	H	B ₁₄	OMe	Me	-	-	-
1a.978	CF ₃	Me	H	B ₁₅	Cl	Cl	-	-	-
1a.979	CF ₃	Me	H	B ₁₅	Me	Me	-	-	-
1a.980	CF ₃	Me	H	B ₁₅	Br	Br	-	-	-
1a.981	CF ₃	Me	H	B ₁₅	CF ₃	CF ₃	-	-	-
1a.982	CF ₃	Me	H	B ₁₅	OMe	Cl	-	-	-
1a.983	CF ₃	Me	H	B ₁₆	Cl	H	-	-	-
1a.984	CF ₃	Me	H	B ₁₆	Cl	Cl	-	-	-
1a.985	CF ₃	Me	H	B ₁₆	Br	H	-	-	-
1a.986	CF ₃	Me	H	B ₁₆	Br	Br	-	-	-
1a.987	CF ₃	Me	H	B ₁₆	Me	H	-	-	-
1a.988	CF ₃	Me	H	B ₁₆	Me	Me	-	-	-
1a.989	CF ₃	Me	H	B ₁₆	CF ₃	H	-	-	-
1a.990	CF ₃	Me	H	B ₁₆	CF ₃	CF ₃	-	-	-
1a.991	CF ₃	Me	H	B ₁₇	Cl	-	-	-	-
1a.992	CF ₃	Me	H	B ₁₇	Br	-	-	-	-
1a.993	CF ₃	Me	H	B ₁₇	Me	-	-	-	-
1a.994	CF ₃	Me	H	B ₁₇	CF ₃	-	-	-	-
1a.995	CF ₃	Me	H	B ₁₈	Cl	H	-	-	-
1a.996	CF ₃	Me	H	B ₁₈	Br	H	-	-	-
1a.997	CF ₃	Me	H	B ₁₈	Me	H	-	-	-
1a.998	CF ₃	Me	H	B ₁₈	CF ₃	H	-	-	-

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.999	CF ₃	Me	H	B ₁₈	Cl	Me	-	-	-
1a.1000	CF ₃	Me	H	B ₁₈	Br	Me	-	-	-
1a.1001	CF ₃	Me	H	B ₁₈	Me	Me	-	-	-
1a.1002	CF ₃	Me	H	B ₁₈	CF ₃	Me	-	-	-
1a.1003	CF ₃	Me	H	B ₁₉	Cl	H	-	-	-
1a.1004	CF ₃	Me	H	B ₁₉	Br	H	-	-	-
1a.1005	CF ₃	Me	H	B ₁₉	Me	H	-	-	-
1a.1006	CF ₃	Me	H	B ₁₉	CF ₃	H	-	-	-
1a.1007	CF ₃	Me	H	B ₁₉	Cl	Me	-	-	-
1a.1008	CF ₃	Me	H	B ₁₉	Br	Me	-	-	-
1a.1009	CF ₃	Me	H	B ₁₉	Me	Me	-	-	-
1a.1010	CF ₃	Me	H	B ₁₉	CF ₃	Me	-	-	-
1a.1011	CF ₃	Me	H	B ₂₀	H	H	H	H	H
1a.1012	CF ₃	Me	H	B ₂₀	H	H	H	Me	H
1a.1013	CF ₃	Me	H	B ₂₀	Cl	H	H	H	H
1a.1014	CF ₃	Me	H	B ₂₀	Cl	H	Cl	H	H
1a.1015	CF ₃	Me	H	B ₂₀	Br	H	H	H	H
1a.1016	CF ₃	Me	H	B ₂₀	Br	H	Br	H	H
1a.1017	CF ₃	Me	H	B ₂₀	Me	H	H	H	H
1a.1018	CF ₃	Me	H	B ₂₀	CF ₃	H	H	H	H
1a.1019	CF ₃	Me	H	B ₂₀	COMe	H	H	H	H
1a.1020	CF ₃	Me	H	B ₂₀	Cl	H	H	Cl	H
1a.1021	CF ₃	Me	H	B ₂₁	H	H	H	H	H
1a.1022	CF ₃	Me	H	B ₂₁	H	H	H	Me	H
1a.1023	CF ₃	Me	H	B ₂₁	Cl	H	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.1024	CF ₃	Me	H	B ₂₁	H	Cl	H	H	H
1a.1025	CF ₃	Me	H	B ₂₁	Cl	Cl	H	H	H
1a.1026	CF ₃	Me	H	B ₂₁	H	H	H	Cl	H
1a.1027	CF ₃	Me	H	B ₂₁	Cl	H	H	Cl	H
1a.1028	CF ₃	Me	H	B ₂₁	H	Cl	H	Cl	H
1a.1029	CF ₃	Me	H	B ₂₁	Cl	Cl	H	Cl	H
1a.1030	CF ₃	Me	H	B ₂₁	Br	H	H	H	H
1a.1031	CF ₃	Me	H	B ₂₁	CF ₃	H	H	H	H
1a.1032	CF ₃	Me	H	B ₂₁	Me	H	H	H	H
1a.1033	CF ₃	Me	H	B ₂₁	Cl	H	H	H	H
1a.1034	CF ₃	Me	H	B ₂₁	Br	H	H	Cl	H
1a.1035	CF ₃	Me	H	B ₂₁	CF ₃	H	H	Cl	H
1a.1036	CF ₃	Me	H	B ₂₁	Me	H	H	Cl	H
1a.1037	CF ₃	Me	H	B ₂₁	Cl	H	H	Cl	H
1a.1038	CF ₃	Me	H	B ₂₂	Me	H	H	H	H
1a.1039	CF ₃	Me	H	B ₂₂	H	H	H	H	Cl
1a.1040	CF ₃	Me	H	B ₂₂	Me	H	H	H	Cl
1a.1041	CF ₃	Me	H	B ₂₂	H	H	H	Cl	Cl
1a.1042	CF ₃	Me	H	B ₂₂	H	H	H	NO ₂	Cl
1a.1043	CF ₃	Me	H	B ₂₂	H	H	H	Me	Cl
1a.1044	CF ₃	Me	H	B ₂₂	H	H	H	H	Br
1a.1045	CF ₃	Me	H	B ₂₂	H	H	H	Cl	Br
1a.1046	CF ₃	Me	H	B ₂₂	H	H	H	Me	Br
1a.1047	CF ₃	Me	H	B ₂₂	H	H	H	Br	Br
1a.1048	CF ₃	Me	H	B ₂₃	Cl	H	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.1049	CF ₃	Me	H	B ₂₃	Cl	Cl	H	H	H
1a.1050	CF ₃	Me	H	B ₂₃	Cl	Me	H	H	H
1a.1051	CF ₃	Me	H	B ₂₃	Me	H	H	H	H
1a.1052	CF ₃	Me	H	B ₂₃	Me	Cl	H	H	H
1a.1053	CF ₃	Me	H	B ₂₃	Me	Me	H	H	H
1a.1054	CF ₃	Me	H	B ₂₃	H	H	H	H	Me
1a.1055	CF ₃	Me	H	B ₂₃	Cl	H	H	H	Me
1a.1056	CF ₃	Me	H	B ₂₃	Me	H	H	H	Me
1a.1057	CF ₃	Me	H	B ₂₄	Cl	H	H	H	H
1a.1058	CF ₃	Me	H	B ₂₄	Br	H	H	H	H
1a.1059	CF ₃	Me	H	B ₂₄	CN	H	H	H	H
1a.1060	CF ₃	Me	H	B ₂₄	Me	H	H	H	H
1a.1061	CF ₃	Me	H	B ₂₄	OMe	H	H	H	H
1a.1062	CF ₃	Me	H	B ₂₄	Cl	H	Cl	H	H
1a.1063	CF ₃	Me	H	B ₂₄	Br	H	Cl	H	H
1a.1064	CF ₃	Me	H	B ₂₄	CN	H	Cl	H	H
1a.1065	CF ₃	Me	H	B ₂₄	Me	H	Cl	H	H
1a.1066	CF ₃	Me	H	B ₂₄	OMe	H	Cl	H	H
1a.1067	CF ₃	Me	H	B ₂₄	Cl	H	F	H	H
1a.1068	CF ₃	Me	H	B ₂₄	Br	H	F	H	H
1a.1069	CF ₃	Me	H	B ₂₄	CN	H	F	H	H
1a.1070	CF ₃	Me	H	B ₂₄	Me	H	F	H	H
1a.1071	CF ₃	Me	H	B ₂₄	OMe	H	F	H	H
1a.1072	CF ₃	Me	H	B ₂₄	Cl	H	H	H	F
1a.1073	CF ₃	Me	H	B ₂₅	Me	H	H	H	H

Cpd No.	R ₂	R ₃	R ₄	B	R ₁₀	R ₁₁	R ₁₂	R ₁₃	R ₁₄
1a.1074	CF ₃	Me	H	B ₂₅	Cl	H	H	H	H
1a.1075	CF ₃	Me	H	B ₂₅	OMe	H	H	H	H
1a.1076	CF ₃	Me	H	B ₂₆	Me	H	H	H	H
1a.1077	CF ₃	Me	H	B ₂₆	Cl	H	H	H	H
1a.1078	CF ₃	Me	H	B ₂₆	OMe	H	H	H	H
1a.1079	CF ₃	Me	H	B ₂₇	H	H	Me	Me	H
1a.1080	CF ₃	Me	H	B ₂₇	Me	Me	Me	Me	H
1a.1081	CF ₃	Me	H	B ₂₈	H	H	H	Me	Me
1a.1082	CF ₃	Me	H	B ₂₈	Me	Me	H	Me	Me

FORMULATION EXAMPLES FOR COMPOUNDS OF FORMULA I:

Example F-1.1 to F-1.2: Emulsifiable concentrates

Components	F-1.1	F-1.2
compound of Table 1 or 1a	25%	50%
calcium dodecylbenzenesulfonate	5%	6%
castor oil polyethylene glycol ether (36 mol ethylenoxy units)	5%	-
tributylphenolpolyethylene glycol ether (30 mol ethylenoxy units)	-	4%
cyclohexanone	-	20%
xylene mixture	65%	20%

Emulsions of any desired concentration can be prepared by diluting such concentrates with water.

Example F-2: Emulsifiable concentrate

Components	F-2
compound of Table 1 or 1a	10%
octylphenolpolyethylene glycol ether (4 to 5 mol ethylenoxy units)	3%
calcium dodecylbenzenesulfonate	3%
castor oil polyglycol ether (36 mol ethylenoxy units)	4%
cyclohexanone	30%
xylene mixture	50%

Emulsions of any desired concentration can be prepared by diluting such concentrates with water.

Examples F-3.1 to F-3.4: Solutions

Components	F-3.1	F-3.2	F-3.3	F-3.4
compound of Table 1 or 1a	80%	10%	5%	95%
propylene glycol monomethyl ether	20%	-	-	-
polyethylene glycol (relative molecular mass: 400 atomic mass units)	-	70%	-	-
N-methylpyrrolid-2-one	-	20%	-	-
epoxidised coconut oil	-	-	1%	5%
benzin (boiling range: 160-190°)	-	-	94%	-

The solutions are suitable for use in the form of microdrops.

Examples F-4.1 to F-4.4: Granulates

Components	F-4.1	F-4.2	F-4.3	F-4.4
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compound of Table 1 or 1a	5%	10%	8%	21%
kaolin	94%	-	79%	54%
highly dispersed silicic acid	1%	-	13%	7%
attapulgit	-	90%	-	18%

The novel compound is dissolved in dichloromethane, the solution is sprayed onto the carrier and the solvent is then removed by distillation under vacuum.

Examples F-5.1 and F-5.2: Dusts

Components	F-5.1	F-5.2
compound of Table 1 or 1a	2%	5%
highly dispersed silicic acid	1%	5%
talcum	97%	-
kaolin	-	90%

Ready for use dusts are obtained by intimately mixing all components.

Examples F-6.1 to F-6.3: Wettable powders

Components	F-6.1	F-6.2	F-6.3
compound of Table 1 or 1a	25%	50%	75%
sodium lignin sulfonate	5%	5%	-
sodium lauryl sulfate	3%	-	5%
sodium diisobutyl naphthalene sulfonate	-	6%	10%
octylphenolpolyethylene glycol ether (7 to 8 mol ethylenoxy units)	-	2%	-
highly dispersed silicic acid	5%	10%	10%
kaolin	62%	27%	-

All components are mixed and the mixture is thoroughly ground in a suitable mill to give wettable powders which can be diluted with water to suspensions of any desired concentration.

Example F7: Flowable concentrate for seed treatment

compound of Table 1 or 1a	40 %
propylene glycol	5 %
copolymer butanol PO/EO	2 %
tristyrenephenol with 10-20 moles EO	2 %
1,2-benzisothiazolin-3-one (in the form of a 20% solution in water)	0.5 %
monoazo-pigment calcium salt	5 %
Silicone oil (in the form of a 75 % emulsion in water)	0.2 %
Water	45.3 %

The finely ground active ingredient is intimately mixed with the adjuvants, giving a suspension concentrate from which suspensions of any desired dilution can be obtained by dilution with water. Using such dilutions, living plants as well as plant propagation material can be treated and protected against infestation by microorganisms, by spraying, pouring or immersion.

BIOLOGICAL EXAMPLES: FUNGICIDAL ACTIONS

Example B-1: Action against *Erysiphe graminis* f.sp. *tritici* (wheat powdery mildew)

Wheat leaf segments were placed on agar in multiwell plates (24-well format) and sprayed with test solutions (0.02% active ingredient). After drying, the leaf disks were inoculated with a spore suspension of the fungus. After appropriate incubation the activity of a compound was assessed 7 days after inoculation as preventive fungicidal activity.

Compounds 1.194, 1.015, 1.481, 1.004, 1.043, 1.005, 1.016, 1.021, 1.037, 1.042, 1.045, 1.003, 1.014, 1.040, 1.009 and 1.098 showed good activity in this test (at least 50% inhibition).

Example B-2: Action against *Pyrenophora teres* (net blotch) on barley

Barley leaf segments were placed on agar in multiwell plates (24-well format) and sprayed with test solutions (0.02% active ingredient). After drying, the leaf disks were inoculated with

a spore suspension of the fungus. After appropriate incubation the activity of a compound was assessed 4 days after inoculation as preventive fungicidal activity.

Compounds 1.194, 1.029, 1.264, 1.193, 1.015, 1.481, 1.004, 1.043, 1.005, 1.016, 1.021, 1.037, 1.042, 1.045, 1.003, 1.271, 1.018, 1.081, 1.014, 1.301, 1.198, 1.040, 1.009, 1.048, 1.201, 1.037, 1.039 and 1.742 showed good activity in this test (at least 50% inhibition).

Example B-3: Action against Botrytis cinerea – fungal growth assay

Conidia of the fungus from cryogenic storage were directly mixed into nutrient broth (PDB potato dextrose broth). After placing a (DMSO) solution of the test compounds (0.02% active ingredient) into a microtiter plate (96-well format) the nutrient broth containing the fungal spores was added. The test plates were incubated at 24°C and the inhibition of growth is measured photometrically after 3-4 days. The activity of a compound is expressed as fungal growth inhibition. 1.029, 1.481, 1.043, 1.037, 1.042, 1.045, 1.081, 1.014, 1.198, 1.040, 1.009, 1.048, 1.201, 1.037 and 1.039 showed good activity in this test (at least 50% inhibition).

Example B-4: Action against Mycosphaerella arachidis (early leaf spot of groundnut; Cercospora arachidicola [anamorph]) – fungal growth assay

Conidia of the fungus from cryogenic storage were directly mixed into nutrient broth (PDB potato dextrose broth). After placing a (DMSO) solution of the test compounds (0.02% active ingredient) into a microtiter plate (96-well format) the nutrient broth containing the fungal spores was added. The test plates were incubated at 24°C and the inhibition of growth is measured photometrically after 6-7 days. The activity of a compound was expressed as fungal growth inhibition. Compounds 1.194, 1.029, 1.193, 1.015, 1.481, 1.004, 1.043, 1.005, 1.016, 1.021, 1.037, 1.042, 1.045, 1.003, 1.271, 1.018, 1.081, 1.331, 1.081, 1.014, 1.198, 1.040, 1.009, 1.048, 1.201, 1.037, 1.039, 1.055 and 1.742 showed good activity in this test (at least 50% inhibition).

Example B-5: Action against Septoria tritici – fungal growth assay

Conidia of the fungus from cryogenic storage were directly mixed into nutrient broth (PDB potato dextrose broth). After placing a (DMSO) solution of the test compounds (0.02% active ingredient) into a microtiter plate (96-well format) the nutrient broth containing the fungal spores was added. The test plates were incubated at 24°C and the inhibition of growth was determined photometrically after 72 hrs. The activity of a compound is expressed as fungal growth inhibition. Compounds 1.194, 1.029, 1.193, 1.015, 1.481, 1.004, 1.043, 1.005, 1.016, 1.021, 1.037, 1.042, 1.045, 1.003, 1.271, 1.018, 1.081, 1.331, 1.081, 1.301, 1.014, 1.198,

1.040, 1.009, 1.048, 1.201, 1.037, 1.039, 1.055 and 1.578 showed good activity in this test (at least 50% inhibition).

Example B-6: Action against *Monographella nivalis* (anamorph: *Fusarium nivale*, *Microdochium nivale*; Snow mould) – fungal growth assay

Conidia of the fungus from cryogenic storage were directly mixed into nutrient broth (PDB potato dextrose broth). After placing a DMSO-solution of the test compounds (0.02% active ingredient) into a microtiter plate (96-well format) the nutrient broth containing the fungal spores was added. The test plates were incubated at 24°C and the inhibition of growth was measured photometrically after 72 hrs. Compounds 1.029, 1.015, 1.481, 1.043, 1.005, 1.021, 1.037, 1.042, 1.045, 1.003, 1.018, 1.014, 1.198, 1.040, 1.009, 1.048, 1.201, 1.037, 1.039, 1.055, 1.578 and 1.742 showed good activity in this test (at least 50% inhibition).

Example B-7: Curative action against *Puccinia recondita* (brown rust) on wheat

Wheat leaf segments were placed on agar in multiwell plates (24-well format) and inoculated with a spore suspension of the fungus. One day after inoculation the leaf segments were sprayed with test solutions (0.02% active ingredient). After appropriate incubation the activity of a compound was assessed 8 days after inoculation as curative fungicidal activity. Compounds 1.481, 1.048 and 1.201 showed good activity in this test (at least 50% inhibition).

Example B-8: Action against *Tapesia yallundae* – fungal growth assay

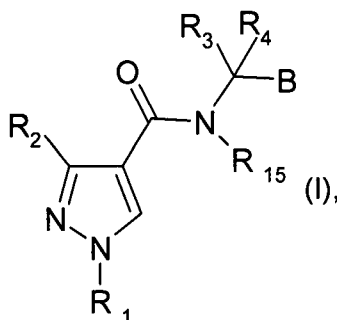
Conidia of the fungus from cryogenic storage were directly mixed into nutrient broth (PDB potato dextrose broth). After placing a (DMSO) solution of the test compounds (0.02% active ingredient) into a microtiter plate (96-well format) the nutrient broth containing the fungal spores was added. The test plates were incubated at 24°C and the inhibition of growth was measured photometrically after 6-7 days. The activity of a compound was expressed as fungal growth inhibition. Compounds 1.045, 1.003, 1.271, 1.018, 1.081, 1.014, 1.301, 1.198, 1.040, 1.009, 1.048, 1.201, 1.037, 1.039, 1.055, 1.578 and 1.742 showed good activity in this test (at least 50% inhibition).

Example B-9: Action against *Leptosphaeria nodorum* (*Septoria nodorum*; glume blotch) on wheat

Wheat leaf segments were placed on agar in multiwell plates (24-well format) and sprayed with test solutions (0.02% active ingredient). After drying, the leaf disks were inoculated with a spore suspension of the fungus. After appropriate incubation the activity of a compound was assessed 4 days after inoculation as preventive fungicidal activity. Compounds 1.029, 1.481, 1.043, 1.037, 1.042, 1.081, 1.198, 1.009, 1.048 and 1.037 showed good activity in this test (at least 50% inhibition).

WHAT IS CLAIMED IS:

1. A compound of formula I



wherein

R₁ is C₁-C₄alkyl;

R₂ is C₁-C₄haloalkyl;

R₃ is C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₂-C₆alkynyl or C₂-C₆haloalkynyl;

R₄ is hydrogen, C₁-C₆alkyl, C₁-C₆haloalkyl, C₃-C₆cycloalkyl, C₂-C₆alkenyl, C₂-C₆haloalkenyl, C₂-C₆alkynyl or C₂-C₆haloalkynyl;

or R₃ and R₄ together are a C₂-C₅alkylene group, which is can be mono- or polysubstituted by C₁-C₆alkyl;

B is phenyl, naphthyl or a 5 to 10-membered monocyclic- or fused bicyclic heteroaromatic ring system containing one to three heteroatoms, each heteroatom is independently selected from oxygen, nitrogen and sulphur, wherein the phenyl group is mono- or polysubstituted by substituents selected from R₅; and wherein the naphthyl or 5- to 10-membered monocyclic- or fused bicyclic heteroaromatic ring system can be mono- or polysubstituted by substituents selected from R₅; it not being possible for each ring system to contain more than 2 oxygen atoms and more than 2 sulfur atoms;

each substituent R₅ independently of each other, is halogen, C₁-C₆haloalkoxy, C₁-C₆haloalkylthio, cyano, nitro or -C(R^a)=N(OR^b); or is

C₁-C₆alkyl, which can be mono- or polysubstituted by R₆;

C₃-C₆cycloalkyl, which can be mono- or polysubstituted by R₆;

C₆-C₁₄bicycloalkyl, which can be mono- or polysubstituted by R₆;

C₂-C₆alkenyl, which can be mono- or polysubstituted by R₆;

C₂-C₆alkynyl, which can be mono- or polysubstituted by R₆;

phenyl, which can be mono- or polysubstituted by R₆; or

phenoxy, which can be mono- or polysubstituted by R₆;

each R_6 independently of each other, is halogen, nitro, C_3 - C_6 cycloalkyl, C_1 - C_6 alkoxy, C_1 - C_6 haloalkoxy, C_1 - C_6 alkylthio, C_1 - C_6 haloalkylthio, C_3 - C_6 alkenyloxy, C_3 - C_6 alkynyloxy, phenyl, halophenyl or $-C(R^c)=N(OR^d)$;

each R^a and R^c independently of each other, is hydrogen or C_1 - C_6 alkyl;

R_{15} is hydrogen or C_3 - C_7 cycloalkyl; with the proviso that B is different from phenyl if R_{15}

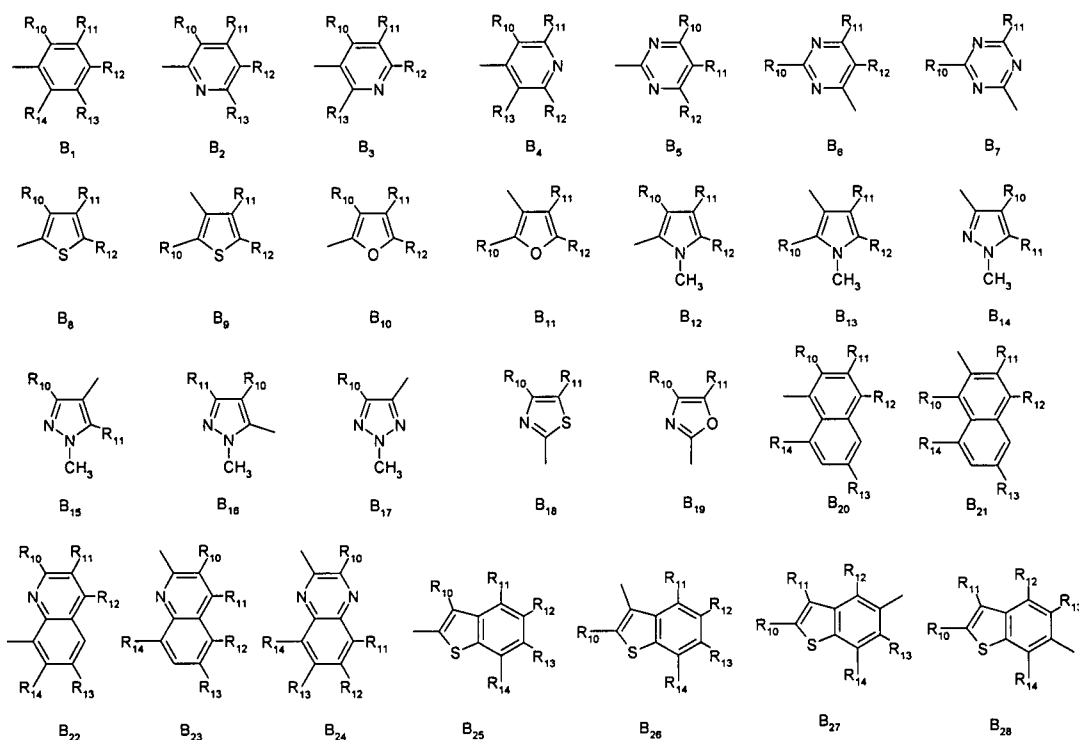
is C_3 - C_7 cycloalkyl; and each R^b and R^d independently of each other, is C_1 - C_6 alkyl;

and agronomically acceptable salts/isomers/structural

isomers/stereoisomers/diastereoisomers/enantio-mers/tautomers and N-oxides of those compounds.

2. A compound according to claim 1, wherein R_{15} is hydrogen.

3. A compound according to claim 1, wherein B is selected from the following groups B_1 to B_{28} :



wherein

R_{10} is hydrogen, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, halogen, C_2 - C_6 alkynyl, C_1 - C_4 alkylamino, C_1 - C_4 alkylcarbonyl, C_1 - C_4 alkoxy or cyano;

R₁₁ is hydrogen, C₁-C₄alkyl, C₁-C₄haloalkyl, halogen, C₂-C₆alkinyl, or phenyl substituted by halogen;

R₁₂ is hydrogen, -CHO, C₁-C₄alkyl, C₂-C₄alkenyloxy, C₂-C₄haloalkenyloxy, C₁-C₄alkylcarbonyl, C₁-C₄haloalkyl, halogen, C₂-C₆alkinyl which may be mono- or disubstituted by substituents selected from C₁-C₄alkoxy and phenyl which phenyl group in turn may be substituted by halogen, or is phenyl substituted by halogen, or is phenoxy substituted by halogen or C₁-C₄haloalkyl, or is pyridyloxy which may be mono- or di substituted by substituents selected from halogen and C₁-C₄haloalkyl, C₃-C₆cycloalkyl and C₂-C₆haloalkenyloxy, or R₁₂ is a group -C(R^a)=N(OR^b), wherein R^a is C₁-C₄alkyl and R^b is C₁-C₄alkyl;

R₁₃ is hydrogen, C₁-C₄alkyl, or halogen; and

R₁₄ is hydrogen, C₁-C₄alkyl, or halogen.

4. A compound according to claim 3, wherein B is B₁.

5. A compound according to claim 1, wherein R₁ is methyl.

6. A compound according to claim 1, wherein R₂ is difluoromethyl.

7. A compound according to claim 1, wherein R₃ is methyl.

8. A compound according to claim 1, wherein R₄ is hydrogen.

9. A method of controlling or preventing infestation of useful plants by phytopathogenic microorganisms, wherein a compound of formula I according to claim 1 or a composition, comprising this compound as active ingredient, is applied to the plants, to parts thereof or the locus thereof.

10. A composition for controlling and protecting against phytopathogenic microorganisms, comprising a compound of formula I according to claim 1.