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**3-aminocarbonyl/3-aminothiocarbonyl-substituted 2-benzoyl-
cyclohexan-1,3-diones with herbicidal effect**

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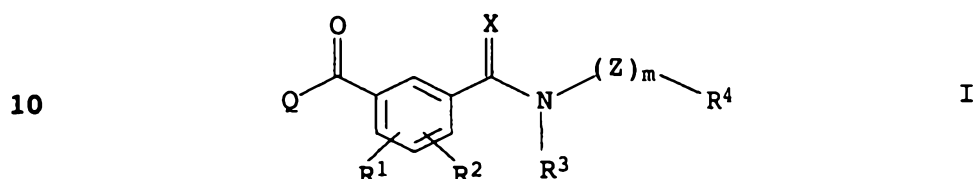
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(54) Title: 3-AMINOCARBONYL/3-AMINOTHIOCARBONYL-SUBSTITUTED 2-BENZOYL- CYCLOHEXAN-1,3-DIONES WITH HERBICIDAL EFFECT			
(54) Bezeichnung: 3-AMINOCARBONYL/3-AMINOTHIOCARBONYL-SUBSTITUIERTE 2-BENZOYL- CYCLO- HEXAN-1,3-DIONE MIT HERBIZIDER WIRKUNG			
(57) Abstract		(1)	
The invention concerns 2-benzoyl-cyclohexan-1,3-diones of formula (I), in which R¹, R² stand for hydrogen, nitro, halogen, cyano, rhodano, alkyl, halogen alkyl, alkoxyalkyl, alkenyl, alkynyl, -OR⁵, -OCOR⁶, -OSO₂R⁶, -SH, -S(O)_nR⁷, -SO₂OR⁵, -SO₂NR⁵R⁸, -NR⁸SO₂R⁶ or -NR⁸COR⁶; R³ stands for hydrogen, alkyl, halogen alkyl or alkynyl; R⁴ stands for hydrogen, optionally substituted alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, -COR⁹, -CO₂R⁹, -COSR⁹ or -CONR⁸R⁹; X stands for oxygen or sulphur; m equals 0 or 1; n equals 0, 1 or 2; R⁵ stands for hydrogen, alkyl, halogen alkyl, alkoxyalkyl, alkenyl or alkynyl; R⁶ stands for alkyl or halogen alkyl; R⁷ stands for alkyl, halogen alkyl, alkoxyalkyl, alkenyl or alkynyl; R⁸ stands for hydrogen or alkyl; R⁹ stands for alkyl, alkenyl, alkynyl, phenyl or benzyl; R¹⁰ stands for alkyl, halogen alkyl, alkenyl or alkynyl; Q stands for optionally substituted cyclohexan-1,3-dione ring linked in position 2, whereas m equals 1 when R³ stands for hydrogen. Also disclosed are the salts of these compounds useful in agriculture; processes and intermediate products for preparing the compounds of formula (I), agents containing the same and the use of these derivatives or agents containing the same for controlling undesirable plants.			
(57) Zusammenfassung			
Die Erfindung betrifft 2-Benzoyl-cyclohexan-1,3-dione der Formel (I) mit R¹, R² Wasserstoff, Nitro, Halogen, Cyano, Rhodano, Alkyl, Halogenalkyl, Alkoxyalkyl, Alkenyl, Alkynyl, -OR⁵, -OCOR⁶, -OSO₂R⁶, -SH, -S(O)_nR⁷, -SO₂OR⁵, -SO₂NR⁵R⁸, -NR⁸SO₂R⁶ oder -NR⁸COR⁶; R³ Wasserstoff, Alkyl, Halogenalkyl, Alkenyl oder Alkynyl; R⁴ Wasserstoff, gegebenenfalls substituiertes Alkyl, Cycloalkyl, Alkenyl, Cycloalkenyl, Alkynyl, -COR⁹, -CO₂R⁹, -COSR⁹ oder -CONR⁸R⁹; X Sauerstoff oder Schwefel; Z Sauerstoff oder NR⁸; m 0 oder 1; n 0, 1 oder 2; R⁵ Wasserstoff, Alkyl, Halogenalkyl, Alkoxyalkyl, Alkenyl oder Alkynyl; R⁶ Alkyl oder Halogenalkyl; R⁷ Alkyl, Halogenalkyl, Alkoxyalkyl, Alkenyl oder Alkynyl; R⁸ Wasserstoff oder Alkyl; R⁹ Alkyl, Alkenyl, Alkynyl, Phenyl oder Benzyl; R¹⁰ Alkyl, Halogenalkyl, Alkenyl oder Alkynyl; Q ein gegebenenfalls substituiertes in 2-Stellung verknüpfter Cyclohexan-1,3-dionring; wobei m 1 bedeutet, wenn R³ für Wasserstoff steht; sowie deren landwirtschaftlich brauchbaren Salze; Verfahren und Zwischenprodukte zur Herstellung der Verbindungen der Formel (I); Mittel, welche diese enthalten; sowie die Verwendung dieser Derivate oder diese enthaltenden Mittel zur Bekämpfung unerwünschter Pflanzen.			

3-Aminocarbonyl-/3-aminothiocarbonyl-substituted 2-benzoylcyclohexane-1,3-diones

- 5 The present invention relates to 2-benzoylcyclohexane-1,3-diones of the formula I



where the variables have the following meanings:

- 15 R^1, R^2 are hydrogen, nitro, halogen, cyano, thiocyanato, C_1-C_6 -alkyl, C_1-C_6 -haloalkyl, C_1-C_6 -alkoxy- C_1-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, $-OR^5$, $-OCOR^6$, $-OSO_2R^6$, $-SH$, $-S(O)_nR^7$, $-SO_2OR^5$, $-SO_2NR^5R^8$, $-NR^8SO_2R^6$ or $-NR^8COR^6$;
- 20 R^3 is hydrogen, C_1-C_6 -alkyl, C_1-C_6 -haloalkyl, C_3-C_6 -alkenyl or C_3-C_6 -alkynyl;
- 25 R^4 is hydrogen, C_1-C_6 -alkyl, C_3-C_6 -cycloalkyl, C_3-C_6 -alkenyl, C_4-C_6 -cycloalkenyl, C_3-C_6 -alkynyl, $-COR^9$, $-CO_2R^9$, $-COSR^9$ or $-CONR^8R^9$, it being possible for the abovementioned alkyl, cycloalkyl, alkenyl, cycloalkenyl and alkynyl radicals and for R^9 of the radicals $-COR^9$, $-CO_2R^9$, $-COSR^9$ and $-CONR^8R^9$ to be partially or fully halogenated and/or to have attached to them one to three of the following groups:
- 30 hydroxyl, mercapto, amino, cyano, R^{10} , $-OR^{10}$, $-SR^{10}$, $-NR^8R^{10}$, $=NOR^{10}$, $-OCOR^{10}$, $-SCOR^{10}$, $-NR^8COR^{10}$, $-CO_2R^{10}$, $-COSR^{10}$, $-CONR^8R^{10}$, C_1-C_4 -alkyliminoxy, C_1-C_4 -alkoxyamino, C_1-C_4 -alkylcarbonyl, C_1-C_4 -alkoxy- C_2-C_6 -alkoxycarbonyl, C_1-C_4 -alkylsulfonyl, heterocyclyl, heterocyclyloxy, phenyl, phenyl- C_1-C_4 -alkyl, hetaryl, phenoxy, phenyl- C_1-C_4 -alkoxy and hetaryloxy, it being possible for
- 35 the eight last-mentioned radicals, in turn, to be substituted;
- 40 X is oxygen or sulfur;
- 45 Z is oxygen or NR^8 ;



m is 0 or 1;

n is 0, 1 or 2;

5 R⁵ is hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy-C₂-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl;

R⁶ is C₁-C₆-alkyl or C₁-C₆-haloalkyl;

10

R⁷ is C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy-C₂-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl;

R⁸ is hydrogen or C₁-C₆-alkyl;

15

R⁹ is C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, phenyl or benzyl;

20 R¹⁰ is C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl;

Q is an unsubstituted or substituted cyclohexane-1,3-dione ring which is linked in the 2-position;

25

where m is 1 if R³ is hydrogen;

and to the agriculturally useful salts thereof.

30

Moreover, the invention relates to processes and to intermediates for the preparation of compounds of the formula I, to compositions comprising them, and to the use of the compounds of the formula I and of compositions comprising them for controlling
35 harmful plants.

2-Benzoylcyclohexane-1,3-diones have been disclosed in the literature, for example in EP-A 278 742, EP-A 298 680, EP-A 320 864 and WO 96/14285.

40

However, the herbicidal properties of the prior-art compounds and their tolerance by crop plants are only moderately satisfactory.

45

It is an object of the present invention to provide novel, in particular herbicidally active, compounds which have improved properties.



We have found that this object is achieved by the 2-benzoylcyclohexane-1,3-diones of the formula I and their herbicidal activity.

5 Furthermore, there have been found herbicidal compositions which comprise the compounds I and which have a very good herbicidal activity. Moreover, there have been found processes for the preparation of these compositions and methods of controlling undesired vegetation using the compounds I.

10

Depending on the substitution pattern, the compounds of the formula I can also contain one or more chiral centers, in which case they are present as enantiomer or diastereomer mixtures. The invention relates to the pure enantiomers or diastereomers and also to mixtures of these.

15

The compounds of the formula I can also exist in the form of their agriculturally useful salts, the type of salt generally being unimportant. In general, suitable salts are salts of those cations or the acid addition salts of those acids whose cations, or anions, respectively, do not adversely affect the herbicidal activity of the compounds I.

20

25 Suitable cations are, in particular, ions of the alkali metals, preferably lithium, sodium and potassium, of the alkaline earth metals, preferably calcium and magnesium, and of the transition metals, preferably manganese, copper, zinc and iron, and also ammonium, it being possible in this case, if desired, for one to four hydrogen atoms to be replaced by C₁-C₄-alkyl or hydroxy-C₁-C₄-alkyl and/or a phenyl or benzyl, preferably diisopropylammonium, tetramethylammonium, tetrabutylammonium, trimethylbenzylammonium, in addition phosphonium ions, sulfonium ions, preferably tri(C₁-C₄-alkyl)sulfonium, and sulfoxonium ions, preferably tri(C₁-C₄-alkyl)sulfoxonium.

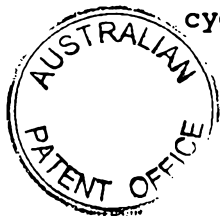
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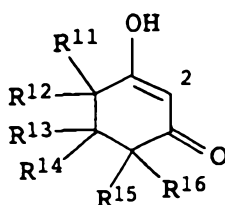
Anions of useful acid addition salts are mainly chloride, bromide, fluoride, hydrogen sulfate, sulfate, dihydrogen phosphate, hydrogen phosphate, nitrate, hydrogen carbonate, carbonate, hexafluorosilicate, hexafluorophosphate, benzoate, and the anions of C₁-C₄-alkanoic acids, preferably formate, acetate, propionate and butyrate.

40

45 Compounds of the formula I according to the invention to be emphasised are those where the variable Q is a cyclohexane-1,3-dione ring of the formula II

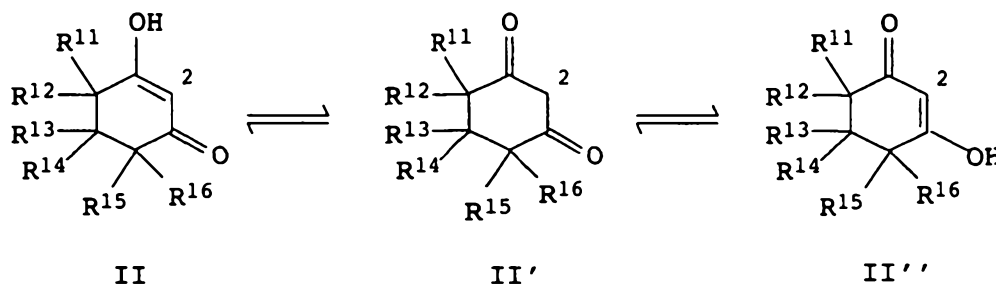


4



II

where II also represents the tautomeric formulae II' and II'',



II

II'

II''

which is linked in the 2-position and where

R^{11} , R^{12} , R^{14} and R^{16} are hydrogen or C_1 - C_4 -alkyl;

R^{13} is hydrogen, C_1 - C_4 -alkyl or C_3 - C_4 -cycloalkyl, it being possible for the two last-mentioned groups to have attached to them one to three of the following substituents:

halogen, C_1 - C_4 -alkylthio or C_1 - C_4 -alkoxy;

or

is tetrahydropyran-2-yl, tetrahydropyran-3-yl, tetrahydropyran-4-yl, tetrahydrothiopyran-2-yl, tetrahydrothiopyran-3-yl, tetrahydrothiopyran-4-yl, 1,3-dioxolan-2-yl, 1,3-dioxan-2-yl, 1,4-dioxan-2-yl, 1,3-oxathiolan-2-yl, 1,3-oxathian-2-yl, 1,3-dithiolan-2-yl or 1,3-dithian-2-yl, it being possible for the 6 last-mentioned radicals to be substituted by one to three C_1 - C_4 -alkyl radicals;

R^{15} is hydrogen, C_1 - C_4 -alkyl or C_1 - C_6 -alkoxycarbonyl;

or



R^{13} and R^{16} together form a π bond or a three to six-membered carbocyclic ring;

or

5

the $CR^{13}R^{14}$ unit can be replaced by $C=O$.

Compounds of the formula I according to the invention equally to
10 be emphasized are those where

R^4 is hydrogen, C_1 - C_6 -alkyl, C_3 - C_6 -cycloalkyl, C_3 - C_6 -alkenyl, C_4 - C_6 -cycloalkenyl, C_3 - C_6 -alkynyl, $-COR^9$, $-CO_2R^9$, $-COSR^9$ or $-CONR^8R^9$, it being possible for the abovementioned
15 alkyl, cycloalkyl, alkenyl, cycloalkenyl and alkynyl radicals and for R^9 of the radicals $-COR^9$, $-CO_2R^9$, $-COSR^9$ and $-CONR^8R^9$ to be partially or fully halogenated and/or to have attached to them one to three of the following groups:

20 hydroxyl, mercapto, amino, cyano, R^{10} , $-OR^{10}$, $-SR^{10}$, $-NR^8R^{10}$, $=NOR^{10}$, $-OCOR^{10}$, $-SCOR^{10}$, $-NR^8COR^{10}$, $-CO_2R^{10}$, $-COSR^{10}$, $-CONR^8R^{10}$, C_1 - C_4 -alkyliminoxy, C_1 - C_4 -alkoxyamino, C_1 - C_4 -alkylcarbonyl, C_1 - C_4 -alkoxy- C_2 - C_6 -alkoxycarbonyl, C_1 - C_4 -alkylsulfonyl, heterocyclyl, heterocyclyloxy,
25 phenyl, phenyl- C_1 - C_4 -alkyl, hetaryl, phenoxy, phenyl- C_1 - C_4 -alkoxy and hetaryloxy, it being possible for the eight last-mentioned radicals, in turn, to be partially or fully halogenated and/or to have attached to them one to three radicals selected from the group which
30 follows:

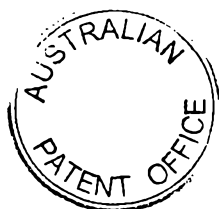
nitro, cyano, C_1 - C_4 -alkyl, C_1 - C_4 -haloalkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -haloalkoxy, C_1 - C_4 -alkoxycarbonyl.

35 The organic moieties mentioned for the substituents R^1 - R^{16} or as **radicals on phenyl, hetaryl and heterocyclyl rings are** collective terms for individual enumerations of the individual group members. All hydrocarbon chains, ie. all alkyl, haloalkyl, cycloalkyl, alkoxyalkyl, alkoxy, haloalkoxy, alkyliminoxy,
40 alkoxyamino, alkylthio, alkylsulfonyl, alkylcarbonyl, alkoxycarbonyl, alkoxyalkoxycarbonyl, alkenyl, cycloalkenyl, alkynyl moieties can be straight-chain or branched. Unless otherwise specified, halogenated substituents preferably have attached to them one to five identical or different halogen
45 atoms. Halogen is in each case fluorine, chlorine, bromine or iodine.

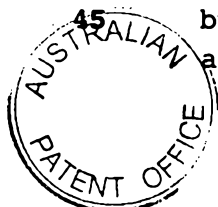


Other examples of meanings are:

- 5 - C₂-C₄-alkyl: ethyl, propyl, 1-methylethyl, butyl,
1-methylpropyl, 2-methylpropyl and 1,1-dimethylethyl;
- 10 - C₁-C₄-alkyl, and the alkyl moieties of C₁-C₄-alkylcarbonyl:
C₂-C₄-alkyl as mentioned above, and also methyl;
- 15 - C₂-C₆-alkyl, and the alkyl moieties of C₁-C₆-alkoxy-C₂-C₆-
alkyl: C₂-C₄-alkyl as mentioned above, and also pentyl,
1-methylbutyl, 2-methylbutyl, 3-methylbutyl,
2,2-dimethylpropyl, 1-ethylpropyl, hexyl, 1,1-dimethylpropyl,
1,2-dimethylpropyl, 1-methylpentyl, 2-methylpentyl,
3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl,
1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl,
2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl,
2-ethylbutyl, 1,1,2-trimethylpropyl, 1-ethyl-1-methylpropyl
and 1-ethyl-3-methylpropyl;
- 20 - C₁-C₆-alkyl, and the alkyl moieties of C₁-C₆-alkoxy-C₁-C₆-
alkyl: C₂-C₆-alkyl as mentioned above, and also methyl;
- 25 - C₁-C₄-haloalkyl: a C₁-C₄-alkyl radical as mentioned above
which is partially or fully substituted by fluorine,
chlorine, bromine and/or iodine, eg. chloromethyl,
dichloromethyl, trichloromethyl, fluoromethyl,
difluoromethyl, trifluoromethyl, chlorofluoromethyl,
dichlorofluoromethyl, chlorodifluoromethyl, 2-fluoroethyl,
30 2-chloroethyl, 2-bromoethyl, 2-iodoethyl, 2,2-difluoroethyl,
2,2,2-trifluoroethyl, 2-chloro-2-fluoroethyl,
2-chloro-2,2-difluoroethyl, 2,2-dichloro-2-fluoroethyl,
2,2,2-trichloroethyl, pentafluoroethyl, 2-fluoropropyl,
3-fluoropropyl, 2,2-difluoropropyl, 2,3-difluoropropyl,
35 2-chloropropyl, 3-chloropropyl, 2,3-dichloropropyl,
2-bromopropyl, 3-bromopropyl, 3,3,3-trifluoropropyl,
3,3,3-trichloropropyl, 2,2,3,3,3-pentafluoropropyl,
heptafluoropropyl, 1-(fluoromethyl)-2-fluoroethyl,
1-(chloromethyl)-2-chloroethyl, 1-(bromomethyl)-2-bromoethyl,
40 4-fluorobutyl, 4-chlorobutyl, 4-bromobutyl and
nonafluorobutyl;
- 45 - C₁-C₆-haloalkyl: C₁-C₄-haloalkyl as mentioned above, and also
5-fluoropentyl, 5-chloropentyl, 5-bromopentyl, 5-iodopentyl,
undecafluoropentyl, 6-fluorohexyl, 6-chlorohexyl,
6-bromohexyl, 6-iodohexyl and dodecafluorohexyl;



- C₁-C₄-alkoxy and the alkoxy moieties of C₁-C₄-alkoxyamino, C₁-C₄-alkoxy-C₂-C₆-alkoxycarbonyl and C₁-C₄-alkoxycarbonyl: methoxy, ethoxy, propoxy, 1-methylethoxy, butoxy, 1-methylpropoxy, 2-methylpropoxy and 1,1-dimethylethoxy;
- 5
- C₁-C₆-alkoxy, and the alkoxy moieties of C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₄-alkoxy-C₂-C₆-alkoxycarbonyl and C₁-C₆-alkoxycarbonyl: C₁-C₄-alkoxy as mentioned above, and also pentoxy, 1-methylbutoxy, 2-methylbutoxy,
- 10 3-methoxybutoxy [sic], 1,1-dimethylpropoxy, 1,2-dimethylpropoxy, 2,2-dimethylpropoxy, 1-ethylpropoxy, hexoxy, 1-methylpentoxy, 2-methylpentoxy, 3-methylpentoxy, 4-methylpentoxy, 1,1-dimethylbutoxy, 1,2-dimethylbutoxy, 1,3-dimethylbutoxy, 2,2-dimethylbutoxy, 2,3-dimethylbutoxy,
- 15 3,3-dimethylbutoxy, 1-ethylbutoxy, 2-ethylbutoxy, 1,1,2-trimethylpropoxy, 1,2,2-trimethylpropoxy, 1-ethyl-1-methylpropoxy and 1-ethyl-2-methylpropoxy;
- 20 - C₁-C₄-haloalkoxy: a C₁-C₄-alkoxy radical as mentioned above which is partially or fully substituted by fluorine, chlorine, bromine and/or iodine, eg. fluoromethoxy, difluoromethoxy, trifluoromethoxy, chlorodifluoromethoxy, bromodifluoromethoxy, 2-fluoroethoxy, 2-chloroethoxy,
- 25 2-bromoethoxy, 2-iodoethoxy, 2,2-difluoroethoxy, 2,2,2-trifluoroethoxy, 2-chloro-2-fluoroethoxy, 2-chloro-2,2-difluoroethoxy, 2,2-dichloro-2-fluoroethoxy, 2,2,2-trichloroethoxy, pentafluoroethoxy, 2-fluoropropoxy, 3-fluoropropoxy, 2-chloropropoxy, 3-chloropropoxy,
- 30 2-bromopropoxy, 3-bromopropoxy, 2,2-difluoropropoxy, 2,3-difluoropropoxy, 2,3-dichloropropoxy, 3,3,3-trifluoropropoxy, 3,3,3-trichloropropoxy, 2,2,3,3,3-pentafluoropropoxy, heptafluoropropoxy, 1-(fluoromethyl)-2-fluoroethoxy,
- 35 1-(chloromethyl)-2-chloroethoxy, 1-(bromomethyl)-2-bromoethoxy, 4-fluorobutoxy, 4-chlorobutoxy, 4-bromobutoxy and nonafluorobutoxy;
- C₁-C₄-alkylthio: methylthio, ethylthio, propylthio,
- 40 1-methylethylthio, butylthio, 1-methylpropylthio, 2-methylpropylthio and 1,1-dimethylethylthio;
- C₁-C₄-alkylsulfonyl (C₁-C₄-alkyl-S(=O)₂-): methylsulfonyl, ethylsulfonyl, propylsulfonyl, 1-methylethylsulfonyl, butylsulfonyl, 1-methylpropylsulfonyl, 2-methylpropylsulfonyl
- 45 and 1,1-dimethylethylsulfonyl;

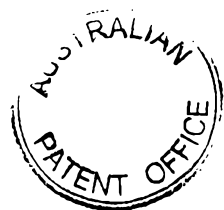


- C₁-C₄-alkyliminoxy: methyliminoxy, ethyliminoxy, 1-propyliminoxy, 2-propyliminoxy, 1-butyyliminoxy and 2-butyyliminoxy;

- 5 - C₃-C₆-alkenyl: prop-1-en-1-yl, prop-2-en-1-yl, 1-methylethenyl, buten-1-yl, buten-2-yl, buten-3-yl, 1-methylprop-1-en-1-yl, 2-methylprop-1-en-1-yl, 1-methylprop-2-en-1-yl, 2-methylprop-2-en-1-yl, penten-1-yl, penten-2-yl, penten-3-yl, penten-4-yl, 1-methylbut-1-en-1-yl, 2-methylbut-1-en-1-yl, 3-methylbut-1-en-1-yl, 1-methylbut-2-en-1-yl, 2-methylbut-2-en-1-yl, 3-methylbut-2-en-1-yl, 1-methylbut-3-en-1-yl, 2-methylbut-3-en-1-yl, 3-methylbut-3-en-1-yl, 1,1-dimethylprop-2-en-1-yl, 1,2-dimethylprop-1-en-1-yl, 15 1,2-dimethylprop-2-en-1-yl, 1-ethylprop-1-en-2-yl, 1-ethylprop-2-en-1-yl, hex-1-en-1-yl, hex-2-en-1-yl, hex-3-en-1-yl, hex-4-en-1-yl, hex-5-en-1-yl, 1-methylpent-1-en-1-yl, 2-methylpent-1-en-1-yl, 3-methylpent-1-en-1-yl, 4-methylpent-1-en-1-yl, 20 1-methylpent-2-en-1-yl, 2-methylpent-2-en-1-yl, 3-methylpent-2-en-1-yl, 4-methylpent-2-en-1-yl, 1-methylpent-3-en-1-yl, 2-methylpent-3-en-1-yl, 3-methylpent-3-en-1-yl, 4-methylpent-3-en-1-yl, 1-methylpent-4-en-1-yl, 2-methylpent-4-en-1-yl, 25 3-methylpent-4-en-1-yl, 4-methylpent-4-en-1-yl, 1,1-dimethylbut-2-en-1-yl, 1,1-dimethylbut-3-en-1-yl, 1,2-dimethylbut-1-en-1-yl, 1,2-dimethylbut-2-en-1-yl, 1,2-dimethylbut-3-en-1-yl, 1,3-dimethylbut-1-en-1-yl, 1,3-dimethylbut-2-en-1-yl, 1,3-dimethylbut-3-en-1-yl, 30 2,2-dimethylbut-3-en-1-yl, 2,3-dimethylbut-1-en-1-yl, 2,3-dimethylbut-2-en-1-yl, 2,3-dimethylbut-3-en-1-yl, 3,3-dimethylbut-1-en-1-yl, 3,3-dimethylbut-2-en-1-yl, 1-ethylbut-1-en-1-yl, 1-ethylbut-2-en-1-yl, 1-ethylbut-3-en-1-yl, 2-ethylbut-1-en-1-yl, 35 2-ethylbut-2-en-1-yl, 2-ethylbut-3-en-1-yl, 1,1,2-trimethylprop-2-en-1-yl, 1-ethyl-1-methylprop-2-en-1-yl, 1-ethyl-2-methylprop-1-en-1-yl and 1-ethyl-2-methylprop-2-en-1-yl; 40

- C₂-C₆-alkenyl: C₃-C₆-alkenyl as mentioned above, and also ethenyl;

- 45 - C₃-C₆-alkynyl: prop-1-yn-1-yl, prop-2-yn-1-yl, but-1-yn-1-yl, but-1-yn-3-yl, but-1-yn-4-yl, but-2-yn-1-yl, pent-1-yn-1-yl, pent-1-yn-3-yl, pent-1-yn-4-yl, pent-1-yn-5-yl,



pent-2-yn-1-yl, pent-2-yn-4-yl, pent-2-yn-5-yl,
 3-methylbut-1-yn-3-yl, 3-methylbut-1-yn-4-yl, hex-1-yn-1-yl,
 hex-1-yn-3-yl, hex-1-yn-4-yl, hex-1-yn-5-yl, hex-1-yn-6-yl,
 hex-2-yn-1-yl, hex-2-yn-4-yl, hex-2-yn-5-yl, hex-2-yn-6-yl,
 5 hex-3-yn-1-yl, hex-3-yn-2-yl, 3-methylpent-1-yn-1-yl,
 3-methylpent-1-yn-3-yl, 3-methylpent-1-yn-4-yl,
 3-methylpent-1-yn-5-yl, 4-methylpent-1-yn-1-yl,
 4-methylpent-2-yn-4-yl and 4-methylpent-2-yn-5-yl;

10 - C₂-C₆-alkynyl: C₃-C₆-alkynyl as mentioned above, and also ethynyl;

- C₃-C₄-cycloalkyl: cyclopropyl and cyclobutyl;

15 - C₃-C₆-cycloalkyl: C₃-C₄-cycloalkyl as mentioned above, and also cyclopentyl and cyclohexyl;

20 - C₄-C₆-cycloalkenyl: cyclobuten-1-yl, cyclobuten-3-yl, cyclopenten-1-yl, cyclopenten-3-yl, cyclopenten-4-yl, cyclohexen-1-yl, cyclohexen-3-yl and cyclohexen-4-yl;

- **heterocyclyl, and the heterocyclyl radicals in**
 heterocyclyoxy: three to seven-membered saturated or
 25 partially unsaturated mono- or polycyclic heterocycles which contain one to three hetero atoms selected from a group consisting of oxygen, nitrogen and sulfur, such as oxiranyl, 2-tetrahydrofuranyl, 3-tetrahydrofuranyl,
 30 2-tetrahydrothienyl, 3-tetrahydrothienyl, 2-pyrrolidinyl, 3-pyrrolidinyl, 3-isoxazolidinyl, 4-isoxazolidinyl, 5-isoxazolidinyl, 3-isothiazolidinyl, 4-isothiazolidinyl, 5-isothiazolidinyl, 3-pyrazolidinyl, 4-pyrazolidinyl, 5-pyrazolidinyl, 2-oxazolidinyl, 4-oxazolidinyl, 5-oxazolidinyl, 2-thiazolidinyl, 4-thiazolidinyl,
 35 5-thiazolidinyl, 2-imidazolidinyl, 4-imidazolidinyl, 1,2,4-oxadiazolidin-3-yl, 1,2,4-oxadiazolidin-5-yl, 1,2,4-thiadiazolidin-3-yl, 1,2,4-thiadiazolidin-5-yl, 1,2,4-triazolidin-3-yl, 1,3,4-oxadiazolidin-2-yl, 1,3,4-thiadiazolidin-2-yl, 1,3,4-triazolidin-2-yl,
 40 2,3-dihydrofuran-2-yl, 2,3-dihydrofuran-3-yl, 2,3-dihydrofuran-4-yl, 2,3-dihydrofuran-5-yl, 2,5-dihydrofuran-2-yl, 2,5-dihydrofuran-3-yl, 2,3-dihydrothien-2-yl, 2,3-dihydrothien-3-yl, 2,3-dihydrothien-4-yl, 2,3-dihydrothien-5-yl,
 45 2,5-dihydrothien-2-yl, 2,5-dihydrothien-3-yl, 2,3-dihydropyrrol-2-yl, 2,3-dihydropyrrol-3-yl, 2,3-dihydropyrrol-4-yl, 2,3-dihydropyrrol-5-yl,



10

- 2,5-dihydropyrrol-2-yl, 2,5-dihydropyrrol-3-yl,
 2,3-dihydroisoxazol-3-yl, 2,3-dihydroisoxazol-4-yl,
 2,3-dihydroisoxazol-5-yl, 4,5-dihydroisoxazol-3-yl,
 4,5-dihydroisoxazol-4-yl, 4,5-dihydroisoxazol-5-yl,
 5 2,5-dihydroisoxazol-3-yl, 2,5-dihydroisoxazol-4-yl,
 2,5-dihydroxazol-5-yl, 2,3-dihydroisothiazol-3-yl,
 2,3-dihydroisothiazol-4-yl, 2,3-dihydroisothiazol-5-yl,
 4,5-dihydroisothiazol-3-yl, 4,5-dihydroisothiazol-4-yl,
 4,5-dihydroisothiazol-5-yl, 2,5-dihydroisothiazol-3-yl,
 10 2,5-dihydroisothiazol-4-yl, 2,5-dihydroisothiazol-5-yl,
 2,3-dihydropyrazol-3-yl, 2,3-dihydropyrazol-4-yl,
 2,3-dihydropyrazol-5-yl, 4,5-dihydropyrazol-3-yl,
 4,5-dihydropyrazol-4-yl, 4,5-dihydropyrazol-5-yl,
 2,5-dihydropyrazol-3-yl, 2,5-dihydropyrazol-4-yl,
 15 2,5-dihydropyrazol-5-yl, 2,3-dihydrooxazol-2-yl,
 2,3-dihydrooxazol-4-yl, 2,3-dihydrooxazol-5-yl,
 4,5-dihydrooxazol-2-yl, 4,5-dihydrooxazol-4-yl,
 4,5-dihydrooxazol-5-yl, 2,5-dihydrooxazol-2-yl,
 2,5-dihydrooxazol-4-yl, 2,5-dihydrooxazol-5-yl,
 20 2,3-dihydrothiazol-2-yl, 2,3-dihydrothiazol-4-yl,
 2,3-dihydrothiazol-5-yl, 4,5-dihydrothiazol-2-yl,
 4,5-dihydrothiazol-4-yl, 4,5-dihydrothiazol-5-yl,
 2,5-dihydrothiazol-2-yl, 2,5-dihydrothiazol-4-yl,
 2,5-dihydrothiazol-5-yl, 2,3-dihydroimidazol-2-yl,
 25 2,3-dihydroimidazol-4-yl, 2,3-dihydroimidazol-5-yl,
 4,5-dihydroimidazol-2-yl, 4,5-dihydroimidazol-4-yl,
 4,5-dihydroimidazol-5-yl, 2,5-dihydroimidazol-2-yl,
 2,5-dihydroimidazol-4-yl, 2,5-dihydroimidazol-5-yl,
 2-morpholinyl, 3-morpholinyl, 2-piperidinyl, 3-piperidinyl,
 30 4-piperidinyl, 3-tetrahydropyridazinyl,
 4-tetrahydropyridazinyl, 2-tetrahydropyrimidinyl,
 4-tetrahydropyrimidinyl, 5-tetrahydropyrimidinyl,
 2-tetrahydropyrazinyl, 1,3,5-tetrahydrotriazin-
 2-yl, 1,2,4-tetrahydrotriazin-3-yl, 1,3-dihydrooxazin-2-yl,
 35 1,3-dithian-2-yl, 2-tetrahydropyranyl, 3-tetrahydropyranyl,
 4-tetrahydropyranyl, 2-tetrahydrothiopyranyl,
 3-tetrahydrothiopyranyl, 4-tetrahydrothiopyranyl,
 1,3-dioxolan-2-yl, 3,4,5,6-tetrahydropyridin-2-yl,
 4H-1,3-thiazin-2-yl, 4H-3,1-benzothiazin-2-yl,
 40 1,1-dioxo-2,3,4,5-tetrahydrothien-2-yl,
 2H-1,4-benzothiazin-3-yl, 2H-1,4-benzoxazin-3-yl,
 1,3-dihydrooxazin-2-yl,

- 45 - hetaryl, and the hetaryl radicals in hetaryloxy:
 aromatic mono- or polycyclic radicals which, besides carbon
 ring members, additionally can contain one to four nitrogen
 atoms or one to three nitrogen atoms and an oxygen or a



sulfur atom or an oxygen or a sulfur atom, eg. 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyrrolyl, 3-pyrrolyl, 3-isoxazolyl, 4-isoxazolyl, 5-isoxazolyl, 3-isothiazolyl, 4-isothiazolyl, 5-isothiazolyl, 3-pyrazolyl, 4-pyrazolyl, 5-pyrazolyl, 2-oxazolyl, 4-oxazolyl, 5-oxazolyl, 2-thiazolyl, 4-thiazolyl, 5-thiazolyl, 2-imidazolyl, 4-imidazolyl, 1,2,4-oxadiazol-3-yl, 1,2,4-oxadiazol-5-yl, 1,2,4-thiadiazol-3-yl, 1,2,4-thiadiazol-5-yl, 1,2,4-triazol-3-yl, 1,3,4-oxadiazol-2-yl, 1,3,4-thiadiazol-2-yl, 1,3,4-triazol-2-yl, 2-pyridinyl, 3-pyridinyl, 4-pyridinyl, 3-pyridazinyl, 4-pyridazinyl, 2-pyrimidinyl, 4-pyrimidinyl, 5-pyrimidinyl, 2-pyrazinyl, 1,3,5-triazin-2-yl, 1,2,4-triazin-3-yl, 1,2,4,5-tetrazin-3-yl, and the corresponding benzo-fused derivatives.

15

All phenyl and hetaryl rings are preferably unsubstituted or have attached to them one to three halogen atoms and/or one or two radicals selected from the group which follows: nitro, cyano, methyl, trifluoromethyl, methoxy, trifluoromethoxy and methoxycarbonyl.

20

With a view to the use of the compounds of the formula I according to the invention as herbicides, the variables preferably have the following meanings, in each case alone or in combination:

25

R^1 is nitro, halogen, cyano, thiocyanato, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, $-OR^5$ or $-S(O)_nR^7$; especially preferably nitro, halogen, eg. fluorine, chlorine or bromine, C_1 - C_6 -haloalkyl, eg. trifluoromethyl, $-OR^5$ or $-SO_2R^7$;

30

R^2 is hydrogen, nitro, halogen, cyano, thiocyanato, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, $-OR^5$ or $-S(O)_nR^7$; especially preferably hydrogen, nitro, halogen, eg. fluorine, chlorine or bromine, C_1 - C_6 -alkyl, eg. methyl or ethyl, C_1 - C_6 -haloalkyl, eg. trifluoromethyl, $-OR^5$ or $-SO_2R^7$;

40

R^3 is hydrogen, C_1 - C_6 -alkyl, eg. methyl, ethyl, propyl or butyl, or C_1 - C_6 -haloalkyl, eg. difluoromethyl or trifluoromethyl;

45



- R⁴ is hydrogen, C₁-C₆-alkyl, C₃-C₆-cycloalkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl, it being possible for the 4 last-mentioned substituents to be partially or fully halogenated and/or to have attached to them one to three of the following groups:
- 5 hydroxyl, mercapto, amino, cyano, -OR¹⁰, =NOR¹⁰, -OCOR¹⁰, -CO₂R¹⁰, -COSR¹⁰, -CONR⁸R¹⁰, C₁-C₄-alkyliminooxy, C₁-C₄-alkylcarbonyl, C₁-C₄-alkoxy-C₂-C₆-alkoxycarbonyl, heterocyclyl, heterocyclyloxy, phenyl, phenyl-C₁-C₄-alkyl, hetaryl, phenoxy, phenyl-C₁-C₄-alkoxy or hetaryloxy, it being
- 10 possible for the eight last-mentioned radicals, in turn, to be partially or fully halogenated and/or to have attached to them one to three radicals selected from the group which follows:
- 15 nitro, cyano, C₁-C₄-alkyl, C₁-C₄-haloalkyl, C₁-C₄-alkoxy, C₁-C₄-haloalkoxy, C₁-C₄-alkoxycarbonyl;
- X is oxygen or sulfur;
especially preferably oxygen;
- 20 Z is oxygen, NH or NCH₃;
- m is 0 or 1
- 25 n is 0 or 2
- R⁵ is hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy-C₂-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl;
- 30 especially preferably methyl, ethyl, trifluoromethyl, difluoromethyl, methoxyethyl, allyl or propargyl;
- R⁷ is C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy-C₂-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl;
- 35 especially preferably methyl, ethyl, trifluoromethyl, difluoromethyl, methoxyethyl, allyl or propargyl;
- R⁸ is hydrogen or C₁-C₆-alkyl;
- 40 R¹⁰ is C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl;
- R¹¹, R¹², R¹⁴, R¹⁶ are hydrogen or C₁-C₄-alkyl;
- 45 especially preferably hydrogen, methyl or ethyl;



13

R¹³ is hydrogen, C₁-C₄-alkyl, C₃-C₄-cycloalkyl, it being possible for the two last-mentioned groups to be unsubstituted or to have attached to them one to three of the following substituents: halogen, C₁-C₄-alkoxy or C₁-C₄-alkylthio;

5 tetrahydropyran-2-yl, tetrahydropyran-3-yl, tetrahydropyran-4-yl, tetrahydrothiopyran-2-yl, tetrahydrothiopyran-3-yl, tetrahydrothiopyran-4-yl, 1,3-dioxolan-2-yl, 1,3-dioxan-2-yl, 1,4-dioxan-2-yl, 1,3-oxathiolan-2-yl, 1,3-oxathian-2-yl, 1,3-dithian-2-yl or
10 1,3-dithiolan-2-yl, it being possible for the six last-mentioned groups to have attached to them in each case one to three C₁-C₄-alkyl radicals; especially preferably hydrogen, methyl, ethyl, cyclopropyl, di(methoxy)methyl, di(ethoxy)methyl, 2-ethylthiopropyl,
15 tetrahydropyran-2-yl, tetrahydropyran-3-yl, tetrahydropyran-4-yl, tetrahydrothiopyran-2-yl, tetrahydrothiopyran-3-yl, tetrahydrothiopyran-4-yl, 1,3-dioxolan-2-yl, 1,3-dioxan-2-yl, 1,4-dioxan-2-yl, 5,5-dimethyl-1,3-dioxan-2-yl, 1,3-oxathiolan-2-yl,
20 1,3-oxathian-2-yl, 1,3-dithiolan-2-yl, 5,5-dimethyl-1,3-dithian-2-yl or 1-methylthiocyclopropyl;

R¹⁵ is hydrogen, C₁-C₄-alkyl or C₁-C₄-alkoxycarbonyl;
25 especially preferably hydrogen, methyl or methoxycarbonyl.

Equally, it may be advantageous for R¹³ and R¹⁶ to form a π bond so that a double bond system results.

30 Also, the CR¹³R¹⁴ unit can be replaced advantageously by C=O.

Especially preferred compounds of the formula I are where m = 1. Also especially preferred are compounds where m = 0 and R³, R⁴ $\neq$ hydrogen.

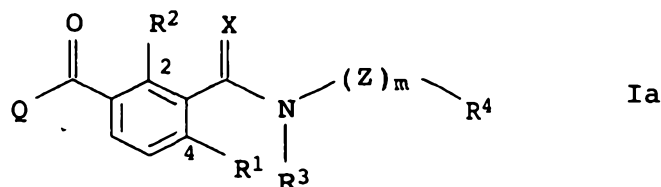
35

Particularly preferred compounds of the formula I are those where m = 1.

40 Extraordinarily preferred are compounds of the formula Ia ($\hat{=}$ I where R¹ is bonded in the 4-position of the phenyl ring and R² in the 2-position of the phenyl ring).



14



Particularly extraordinarily preferred are the compounds of the formula Ia where the variables R^1 to R^3 , Q, X, Z and m have the meanings mentioned above and

R^4 is hydrogen, C_1 - C_6 -alkyl, C_3 - C_6 -cycloalkyl, C_3 - C_6 -alkenyl or C_3 - C_6 -alkynyl, it being possible for the 4 last-mentioned substituents to be partially or fully halogenated and/or to have attached to them one to three of the following groups: hydroxyl, mercapto, amino, cyano, $-OR^{10}$, $=NOR^{10}$, $-OCOR^{10}$, $-CO_2R^{10}$, $-COSR^{10}$, $-CONR^8R^{10}$, C_1 - C_4 -alkyliminoxy, C_1 - C_4 -alkylcarbonyl, C_1 - C_4 -alkoxy- C_2 - C_6 -alkoxycarbonyl, heterocyclyl, heterocyclloxy, phenyl, phenyl- C_1 - C_4 -alkyl, hetaryl, phenoxy, phenyl- C_1 - C_4 -alkoxy or hetaryloxy, it being possible for the eight last-mentioned radicals, in turn, to be partially or fully halogenated and/or to have attached to them one to three radicals selected from the group which follows:

nitro, cyano, C_1 - C_4 -alkyl, C_1 - C_4 -haloalkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -haloalkoxy, C_1 - C_4 -alkoxycarbonyl.

Most particularly most extraordinarily preferred are the compounds Ia1 ($\hat{=}$ I where $R^1 = Cl$, R^{11} , R^{12} , R^{13} , R^{14} , R^{15} , $R^{16} = H$, X = oxygen and $m = 1$, where R^1 is bonded in the 4-position of the phenyl ring and R^2 in the 2-position of the phenyl ring), in particular the compounds of Table 1.

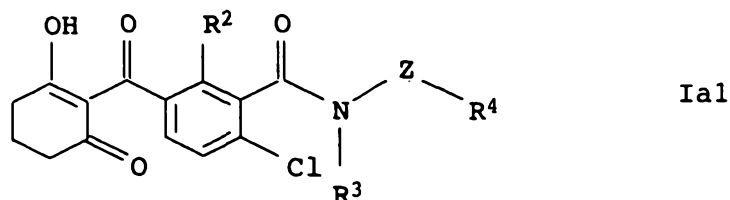


Table 1

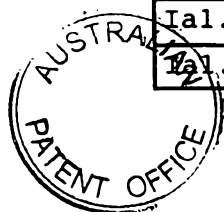
No.	R ²	R ³	R ⁴	Z
Ia1.1	Cl	H	CH ₃	O
Ia1.2	Cl	CH ₃	CH ₃	O
Ia1.3	Cl	CH ₂ CH ₃	CH ₃	O
Ia1.4	Cl	(CH ₂) ₂ CH ₃	CH ₃	O
Ia1.5	Cl	(CH ₂) ₃ CH ₃	CH ₃	O
Ia1.6	Cl	H	C ₂ H ₅	O
Ia1.7	Cl	CH ₃	C ₂ H ₅	O
Ia1.8	Cl	CH ₂ CH ₃	C ₂ H ₅	O
Ia1.9	Cl	(CH ₂) ₂ CH ₃	C ₂ H ₅	O
Ia1.10	Cl	(CH ₂) ₃ CH ₃	C ₂ H ₅	O
Ia1.11	Cl	H	(CH ₂) ₂ CH ₃	O
Ia1.12	Cl	CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.13	Cl	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.14	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.15	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.16	Cl	H	CH(CH ₃) ₂	O
Ia1.17	Cl	CH ₃	CH(CH ₃) ₂	O
Ia1.18	Cl	CH ₂ CH ₃	CH(CH ₃) ₂	O
Ia1.19	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	O
Ia1.20	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	O
Ia1.21	Cl	H	(CH ₂) ₃ CH ₃	O
Ia1.22	Cl	CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.23	Cl	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.24	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.25	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.26	Cl	H	CH ₂ CH(CH ₃) ₂	O
Ia1.27	Cl	CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.28	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.29	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.30	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.31	Cl	H	CH(CH ₃)CH ₂ CH ₃	O
Ia1.32	Cl	CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.33	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.34	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.35	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.36	Cl	H	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.37	Cl	CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.38	Cl	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O



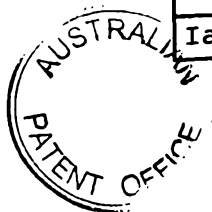
No.	R ²	R ³	R ⁴	Z
Ia1.39	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.40	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.41	Cl	H	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.42	Cl	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.43	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.44	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.45	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.46	Cl	H	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.47	Cl	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.48	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.49	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.50	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.51	Cl	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.52	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.53	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.54	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.55	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.56	Cl	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.57	Cl	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.58	Cl	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.59	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.60	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.61	Cl	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.62	Cl	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.63	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.64	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.65	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.66	Cl	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.67	Cl	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.68	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.69	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.70	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.71	Cl	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.72	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.73	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.74	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.75	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.76	Cl	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.77	Cl	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O



No.	R ²	R ³	R ⁴	Z
Ia1.78	Cl	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.79	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.80	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.81	Cl	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.82	Cl	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.83	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.84	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.85	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.86	Cl	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.87	Cl	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.88	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.89	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.90	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.91	Cl	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.92	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.93	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.94	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.95	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.96	Cl	H	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.97	Cl	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.98	Cl	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.99	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.100	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.101	Cl	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.102	Cl	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.103	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.104	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.105	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.106	Cl	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.107	Cl	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.108	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.109	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.110	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.111	Cl	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.112	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.113	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.114	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.115	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.116	Cl	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O



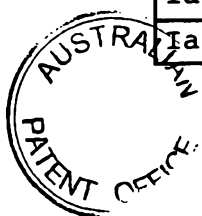
No.	R ²	R ³	R ⁴	Z
Ia1.117	Cl	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.118	Cl	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.119	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.120	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.121	Cl	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.122	Cl	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.123	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.124	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.125	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.126	Cl	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.127	Cl	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.128	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.129	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.130	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.131	Cl	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.132	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.133	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.134	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.135	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.136	Cl	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.137	Cl	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.138	Cl	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.139	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.140	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.141	Cl	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.142	Cl	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.143	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.144	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.145	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.146	Cl	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.147	Cl	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.148	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.149	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.150	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.151	Cl	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.152	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.153	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.154	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.155	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O



No.	R ²	R ³	R ⁴	Z
Ial.156	Cl	H	CH ₃	NH
Ial.157	Cl	CH ₃	CH ₃	NH
Ial.158	Cl	CH ₂ CH ₃	CH ₃	NH
Ial.159	Cl	(CH ₂) ₂ CH ₃	CH ₃	NH
Ial.160	Cl	(CH ₂) ₃ CH ₃	CH ₃	NH
Ial.161	Cl	H	C ₂ H ₅	NH
Ial.162	Cl	CH ₃	C ₂ H ₅	NH
Ial.163	Cl	CH ₂ CH ₃	C ₂ H ₅	NH
Ial.164	Cl	(CH ₂) ₂ CH ₃	C ₂ H ₅	NH
Ial.165	Cl	(CH ₂) ₃ CH ₃	C ₂ H ₅	NH
Ial.166	Cl	H	(CH ₂) ₂ CH ₃	NH
Ial.167	Cl	CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.168	Cl	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.169	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.170	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.171	Cl	H	CH(CH ₃) ₂	NH
Ial.172	Cl	CH ₃	CH(CH ₃) ₂	NH
Ial.173	Cl	CH ₂ CH ₃	CH(CH ₃) ₂	NH
Ial.174	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NH
Ial.175	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NH
Ial.176	Cl	H	(CH ₂) ₃ CH ₃	NH
Ial.177	Cl	CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.178	Cl	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.179	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.180	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.181	Cl	H	CH ₂ CH(CH ₃) ₂	NH
Ial.182	Cl	CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.183	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.184	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.185	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.186	Cl	H	CH(CH ₃)CH ₂ CH ₃	NH
Ial.187	Cl	CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.188	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.189	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.190	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.191	Cl	H	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.192	Cl	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.193	Cl	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.194	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH



No.	R ²	R ³	R ⁴	Z
Ia1.195	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.196	Cl	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.197	Cl	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.198	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.199	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.200	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.201	Cl	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.202	Cl	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.203	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.204	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.205	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.206	Cl	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.207	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.208	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.209	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.210	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.211	Cl	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.212	Cl	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.213	Cl	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.214	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.215	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.216	Cl	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.217	Cl	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.218	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.219	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.220	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.221	Cl	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.222	Cl	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.223	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.224	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.225	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.226	Cl	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.227	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.228	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.229	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.230	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.231	Cl	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.232	Cl	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.233	Cl	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH

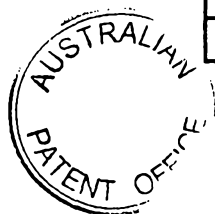


No.	R ²	R ³	R ⁴	Z
Ial.234	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.235	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.236	Cl	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.237	Cl	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.238	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.239	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.240	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.241	Cl	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.242	Cl	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.243	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.244	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.245	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.246	Cl	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.247	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.248	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.249	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.250	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.251	Cl	H	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.252	Cl	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.253	Cl	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.254	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.255	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.256	Cl	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.257	Cl	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.258	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.259	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.260	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.261	Cl	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.262	Cl	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.263	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.264	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.265	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.266	Cl	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.267	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.268	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.269	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.270	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.271	Cl	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.272	Cl	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH

No.	R ²	R ³	R ⁴	Z
Ia1.273	Cl	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.274	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.275	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.276	Cl	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.277	Cl	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.278	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.279	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.280	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.281	Cl	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.282	Cl	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.283	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.284	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.285	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.286	Cl	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.287	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.288	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.289	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.290	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.291	Cl	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.292	Cl	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.293	Cl	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.294	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.295	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.296	Cl	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.297	Cl	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.298	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.299	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.300	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.301	Cl	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.302	Cl	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.303	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.304	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.305	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.306	Cl	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.307	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.308	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.309	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.310	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH



No.	R ²	R ³	R ⁴	Z
Ia1.311	Cl	H	CH ₃	NCH ₃
Ia1.312	Cl	CH ₃	CH ₃	NCH ₃
Ia1.313	Cl	CH ₂ CH ₃	CH ₃	NCH ₃
Ia1.314	Cl	(CH ₂) ₂ CH ₃	CH ₃	NCH ₃
Ia1.315	Cl	(CH ₂) ₃ CH ₃	CH ₃	NCH ₃
Ia1.316	Cl	H	C ₂ H ₅	NCH ₃
Ia1.317	Cl	CH ₃	C ₂ H ₅	NCH ₃
Ia1.318	Cl	CH ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.319	Cl	(CH ₂) ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.320	Cl	(CH ₂) ₃ CH ₃	C ₂ H ₅	NCH ₃
Ia1.321	Cl	H	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.322	Cl	CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.323	Cl	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.324	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.325	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.326	Cl	H	CH(CH ₃) ₂	NCH ₃
Ia1.327	Cl	CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.328	Cl	CH ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.329	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.330	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.331	Cl	H	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.332	Cl	CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.333	Cl	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.334	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.335	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.336	Cl	H	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.337	Cl	CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.338	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.339	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.340	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.341	Cl	H	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.342	Cl	CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.343	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.344	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.345	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.346	Cl	H	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.347	Cl	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.348	Cl	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.349	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃

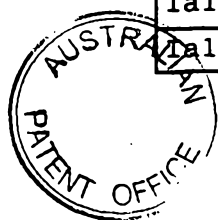


No.	R ²	R ³	R ⁴	Z
Ia1.350	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.351	Cl	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.352	Cl	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.353	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.354	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.355	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.356	Cl	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.357	Cl	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.358	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.359	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.360	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.361	Cl	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.362	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.363	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.364	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.365	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.366	Cl	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.367	Cl	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.368	Cl	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.369	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.370	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.371	Cl	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.372	Cl	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.373	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.374	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.375	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.376	Cl	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.377	Cl	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.378	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.379	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.380	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.381	Cl	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.382	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.383	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.384	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.385	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.386	Cl	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.387	Cl	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.388	Cl	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃

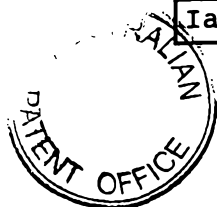




No.	R ²	R ³	R ⁴	Z
Ia1.389	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.390	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.391	Cl	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.392	Cl	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.393	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.394	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.395	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.396	Cl	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.397	Cl	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.398	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.399	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.400	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.401	Cl	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.402	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.403	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.404	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.405	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.406	Cl	H	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.407	Cl	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.408	Cl	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.409	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.410	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.411	Cl	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.412	Cl	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.413	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.414	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.415	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.416	Cl	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.417	Cl	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.418	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.419	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.420	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.421	Cl	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.422	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.423	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.424	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.425	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.426	Cl	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.427	Cl	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃



No.	R ²	R ³	R ⁴	Z
Ial.428	Cl	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.429	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.430	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.431	Cl	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.432	Cl	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.433	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.434	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.435	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.436	Cl	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.437	Cl	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.438	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.439	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.440	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.441	Cl	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.442	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.443	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.444	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.445	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.446	Cl	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.447	Cl	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.448	Cl	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.449	Cl	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.450	Cl	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.451	Cl	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.452	Cl	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.453	Cl	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.454	Cl	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.455	Cl	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.456	Cl	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.457	Cl	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.458	Cl	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.459	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.460	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.461	Cl	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.462	Cl	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.463	Cl	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.464	Cl	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.465	Cl	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃



No.	R ²	R ³	R ⁴	Z
Ia1.466	CH ₃	H	CH ₃	O
Ia1.467	CH ₃	CH ₃	CH ₃	O
Ia1.468	CH ₃	CH ₂ CH ₃	CH ₃	O
Ia1.469	CH ₃	(CH ₂) ₂ CH ₃	CH ₃	O
Ia1.470	CH ₃	(CH ₂) ₃ CH ₃	CH ₃	O
Ia1.471	CH ₃	H	C ₂ H ₅	O
Ia1.472	CH ₃	CH ₃	C ₂ H ₅	O
Ia1.473	CH ₃	CH ₂ CH ₃	C ₂ H ₅	O
Ia1.474	CH ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	O
Ia1.475	CH ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	O
Ia1.476	CH ₃	H	(CH ₂) ₂ CH ₃	O
Ia1.477	CH ₃	CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.478	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.479	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.480	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.481	CH ₃	H	CH(CH ₃) ₂	O
Ia1.482	CH ₃	CH ₃	CH(CH ₃) ₂	O
Ia1.483	CH ₃	CH ₂ CH ₃	CH(CH ₃) ₂	O
Ia1.484	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	O
Ia1.485	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	O
Ia1.486	CH ₃	H	(CH ₂) ₃ CH ₃	O
Ia1.487	CH ₃	CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.488	CH ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.489	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.490	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.491	CH ₃	H	CH ₂ CH(CH ₃) ₂	O
Ia1.492	CH ₃	CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.493	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.494	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.495	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.496	CH ₃	H	CH(CH ₃)CH ₂ CH ₃	O
Ia1.497	CH ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.498	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.499	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.500	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.501	CH ₃	H	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.502	CH ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.503	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.504	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O



No.	R ²	R ³	R ⁴	Z
Ia1.505	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.506	CH ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.507	CH ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.508	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.509	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.510	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.511	CH ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.512	CH ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.513	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.514	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.515	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.516	CH ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.517	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.518	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.519	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.520	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.521	CH ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.522	CH ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.523	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.524	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.525	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.526	CH ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.527	CH ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.528	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.529	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.530	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.531	CH ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.532	CH ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.533	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.534	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.535	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.536	CH ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.537	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.538	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.539	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.540	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.541	CH ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.542	CH ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.543	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O



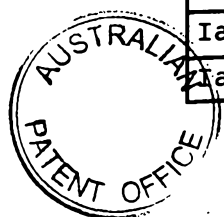
No.	R ²	R ³	R ⁴	Z
Ia1.544	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.545	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.546	CH ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.547	CH ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.548	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.549	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.550	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.551	CH ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.552	CH ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.553	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.554	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.555	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.556	CH ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.557	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.558	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.559	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.560	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.561	CH ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.562	CH ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.563	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.564	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.565	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.566	CH ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.567	CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.568	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.569	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.570	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.571	CH ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.572	CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.573	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.574	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.575	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.576	CH ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.577	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.578	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.579	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.580	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.581	CH ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.582	CH ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O



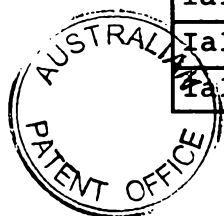
No.	R ²	R ³	R ⁴	Z
Ia1.583	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.584	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.585	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.586	CH ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.587	CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.588	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.589	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.590	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.591	CH ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.592	CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.593	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.594	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.595	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.596	CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.597	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.598	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.599	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.600	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.601	CH ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.602	CH ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.603	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.604	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.605	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.606	CH ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.607	CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.608	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.609	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.610	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.611	CH ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.612	CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.613	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.614	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.615	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.616	CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.617	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.618	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.619	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.620	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O



No.	R ²	R ³	R ⁴	Z
Ia1.621	CH ₃	H	CH ₃	NH
Ia1.622	CH ₃	CH ₃	CH ₃	NH
Ia1.623	CH ₃	CH ₂ CH ₃	CH ₃	NH
Ia1.624	CH ₃	(CH ₂) ₂ CH ₃	CH ₃	NH
Ia1.625	CH ₃	(CH ₂) ₃ CH ₃	CH ₃	NH
Ia1.626	CH ₃	H	C ₂ H ₅	NH
Ia1.627	CH ₃	CH ₃	C ₂ H ₅	NH
Ia1.628	CH ₃	CH ₂ CH ₃	C ₂ H ₅	NH
Ia1.629	CH ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	NH
Ia1.630	CH ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	NH
Ia1.631	CH ₃	H	(CH ₂) ₂ CH ₃	NH
Ia1.632	CH ₃	CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.633	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.634	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.635	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.636	CH ₃	H	CH(CH ₃) ₂	NH
Ia1.637	CH ₃	CH ₃	CH(CH ₃) ₂	NH
Ia1.638	CH ₃	CH ₂ CH ₃	CH(CH ₃) ₂	NH
Ia1.639	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NH
Ia1.640	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NH
Ia1.641	CH ₃	H	(CH ₂) ₃ CH ₃	NH
Ia1.642	CH ₃	CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.643	CH ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.644	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.645	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.646	CH ₃	H	CH ₂ CH(CH ₃) ₂	NH
Ia1.647	CH ₃	CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.648	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.649	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.650	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.651	CH ₃	H	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.652	CH ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.653	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.654	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.655	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.656	CH ₃	H	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.657	CH ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.658	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.659	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH



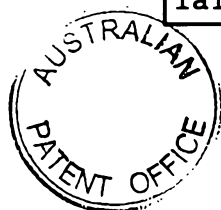
No.	R ²	R ³	R ⁴	Z
Ial.660	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.661	CH ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.662	CH ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.663	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.664	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.665	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.666	CH ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.667	CH ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.668	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.669	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.670	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.671	CH ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.672	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.673	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.674	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.675	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.676	CH ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.677	CH ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.678	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.679	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.680	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.681	CH ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.682	CH ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.683	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.684	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.685	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.686	CH ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.687	CH ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.688	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.689	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.690	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.691	CH ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.692	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.693	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.694	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.695	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.696	CH ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.697	CH ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.698	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH



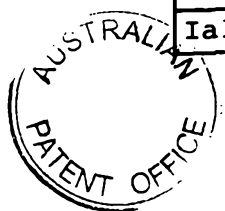
No.	R ²	R ³	R ⁴	Z
Ial.699	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.700	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.701	CH ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.702	CH ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.703	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.704	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.705	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.706	CH ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.707	CH ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.708	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.709	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.710	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.711	CH ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.712	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.713	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.714	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.715	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.716	CH ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.717	CH ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.718	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.719	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.720	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.721	CH ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.722	CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.723	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.724	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.725	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.726	CH ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.727	CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.728	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.729	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.730	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.731	CH ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.732	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.733	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.734	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.735	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.736	CH ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.737	CH ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH



No.	R ²	R ³	R ⁴	Z
Ial.738	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.739	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.740	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.741	CH ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ial.742	CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ial.743	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ial.744	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ial.745	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ial.746	CH ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.747	CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.748	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.749	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.750	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.751	CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ial.752	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ial.753	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ial.754	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ial.755	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ial.756	CH ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.757	CH ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.758	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.759	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.760	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.761	CH ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.762	CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.763	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.764	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.765	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.766	CH ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.767	CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.768	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.769	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.770	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.771	CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.772	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.773	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.774	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.775	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH



No.	R ²	R ³	R ⁴	Z
Ia1.776	CH ₃	H	CH ₃	NCH ₃
Ia1.777	CH ₃	CH ₃	CH ₃	NCH ₃
Ia1.778	CH ₃	CH ₂ CH ₃	CH ₃	NCH ₃
Ia1.779	CH ₃	(CH ₂) ₂ CH ₃	CH ₃	NCH ₃
Ia1.780	CH ₃	(CH ₂) ₃ CH ₃	CH ₃	NCH ₃
Ia1.781	CH ₃	H	C ₂ H ₅	NCH ₃
Ia1.782	CH ₃	CH ₃	C ₂ H ₅	NCH ₃
Ia1.783	CH ₃	CH ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.784	CH ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.785	CH ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	NCH ₃
Ia1.786	CH ₃	H	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.787	CH ₃	CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.788	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.789	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.790	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.791	CH ₃	H	CH(CH ₃) ₂	NCH ₃
Ia1.792	CH ₃	CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.793	CH ₃	CH ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.794	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.795	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.796	CH ₃	H	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.797	CH ₃	CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.798	CH ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.799	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.800	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.801	CH ₃	H	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.802	CH ₃	CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.803	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.804	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.805	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.806	CH ₃	H	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.807	CH ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.808	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.809	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.810	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.811	CH ₃	H	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.812	CH ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.813	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.814	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃



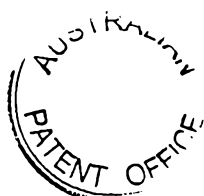
No.	R ²	R ³	R ⁴	Z
Ia1.815	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.816	CH ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.817	CH ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.818	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.819	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.820	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.821	CH ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.822	CH ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.823	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.824	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.825	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.826	CH ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.827	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.828	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.829	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.830	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.831	CH ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.832	CH ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.833	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.834	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.835	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.836	CH ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.837	CH ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.838	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.839	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.840	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.841	CH ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.842	CH ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.843	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.844	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.845	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.846	CH ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.847	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.848	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.849	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.850	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.851	CH ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.852	CH ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.853	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃



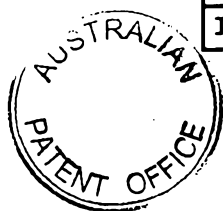
No.	R ²	R ³	R ⁴	Z
Ial.854	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.855	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.856	CH ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.857	CH ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.858	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.859	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.860	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.861	CH ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.862	CH ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.863	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.864	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.865	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.866	CH ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.867	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.868	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.869	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.870	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.871	CH ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ial.872	CH ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ial.873	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ial.874	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ial.875	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ial.876	CH ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ial.877	CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ial.878	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ial.879	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ial.880	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ial.881	CH ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ial.882	CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ial.883	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ial.884	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ial.885	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ial.886	CH ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ial.887	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ial.888	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ial.889	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ial.890	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ial.891	CH ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.892	CH ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃



No.	R ²	R ³	R ⁴	Z
Ial.893	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.894	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.895	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.896	CH ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.897	CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.898	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.899	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.900	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.901	CH ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.902	CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.903	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.904	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.905	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.906	CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.907	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.908	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.909	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.910	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.911	CH ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.912	CH ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.913	CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.914	CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.915	CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.916	CH ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.917	CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.918	CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.919	CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.920	CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.921	CH ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.922	CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.923	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.924	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.925	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.926	CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.927	CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.928	CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.929	CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.930	CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃



No.	R ²	R ³	R ⁴	Z
Ia1.931	OCH ₃	H	CH ₃	O
Ia1.932	OCH ₃	CH ₃	CH ₃	O
Ia1.933	OCH ₃	CH ₂ CH ₃	CH ₃	O
Ia1.934	OCH ₃	(CH ₂) ₂ CH ₃	CH ₃	O
Ia1.935	OCH ₃	(CH ₂) ₃ CH ₃	CH ₃	O
Ia1.936	OCH ₃	H	C ₂ H ₅	O
Ia1.937	OCH ₃	CH ₃	C ₂ H ₅	O
Ia1.938	OCH ₃	CH ₂ CH ₃	C ₂ H ₅	O
Ia1.939	OCH ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	O
Ia1.940	OCH ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	O
Ia1.941	OCH ₃	H	(CH ₂) ₂ CH ₃	O
Ia1.942	OCH ₃	CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.943	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.944	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.945	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.946	OCH ₃	H	CH(CH ₃) ₂	O
Ia1.947	OCH ₃	CH ₃	CH(CH ₃) ₂	O
Ia1.948	OCH ₃	CH ₂ CH ₃	CH(CH ₃) ₂	O
Ia1.949	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	O
Ia1.950	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	O
Ia1.951	OCH ₃	H	(CH ₂) ₃ CH ₃	O
Ia1.952	OCH ₃	CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.953	OCH ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.954	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.955	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.956	OCH ₃	H	CH ₂ CH(CH ₃) ₂	O
Ia1.957	OCH ₃	CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.958	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.959	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.960	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.961	OCH ₃	H	CH(CH ₃)CH ₂ CH ₃	O
Ia1.962	OCH ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.963	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.964	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.965	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.966	OCH ₃	H	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.967	OCH ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.968	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.969	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O



No.	R ²	R ³	R ⁴	Z
Ia1.970	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.971	OCH ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.972	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.973	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.974	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.975	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.976	OCH ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.977	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.978	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.979	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.980	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.981	OCH ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.982	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.983	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.984	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.985	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.986	OCH ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.987	OCH ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.988	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.989	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.990	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.991	OCH ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.992	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.993	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.994	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.995	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.996	OCH ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.997	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.998	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.999	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1000	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1001	OCH ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1002	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1003	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1004	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1005	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1006	OCH ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1007	OCH ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1008	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O



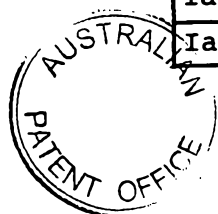
No.	R ²	R ³	R ⁴	Z
Ia1.1009	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1010	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1011	OCH ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1012	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1013	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1014	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1015	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1016	OCH ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1017	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1018	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1019	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1020	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1021	OCH ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1022	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1023	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1024	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1025	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1026	OCH ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.1027	OCH ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.1028	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.1029	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.1030	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ia1.1031	OCH ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.1032	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.1033	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.1034	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.1035	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ia1.1036	OCH ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.1037	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.1038	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.1039	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.1040	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ia1.1041	OCH ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.1042	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.1043	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.1044	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.1045	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ia1.1046	OCH ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1047	OCH ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O



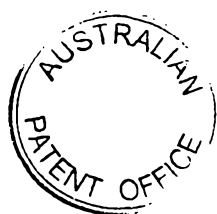
No.	R ²	R ³	R ⁴	Z
Ia1.1048	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1049	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1050	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1051	OCH ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1052	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1053	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1054	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1055	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1056	OCH ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1057	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1058	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1059	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1060	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1061	OCH ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1062	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1063	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1064	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1065	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1066	OCH ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1067	OCH ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1068	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1069	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1070	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1071	OCH ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1072	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1073	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1074	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1075	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1076	OCH ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1077	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1078	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1079	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1080	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1081	OCH ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1082	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1083	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1084	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1085	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O



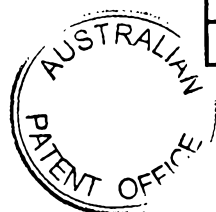
No.	R ²	R ³	R ⁴	Z
Ial.1086	OCH ₃	H	CH ₃	NH
Ial.1087	OCH ₃	CH ₃	CH ₃	NH
Ial.1088	OCH ₃	CH ₂ CH ₃	CH ₃	NH
Ial.1089	OCH ₃	(CH ₂) ₂ CH ₃	CH ₃	NH
Ial.1090	OCH ₃	(CH ₂) ₃ CH ₃	CH ₃	NH
Ial.1091	OCH ₃	H	C ₂ H ₅	NH
Ial.1092	OCH ₃	CH ₃	C ₂ H ₅	NH
Ial.1093	OCH ₃	CH ₂ CH ₃	C ₂ H ₅	NH
Ial.1094	OCH ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	NH
Ial.1095	OCH ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	NH
Ial.1096	OCH ₃	H	(CH ₂) ₂ CH ₃	NH
Ial.1097	OCH ₃	CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.1098	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.1099	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.1100	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.1101	OCH ₃	H	CH(CH ₃) ₂	NH
Ial.1102	OCH ₃	CH ₃	CH(CH ₃) ₂	NH
Ial.1103	OCH ₃	CH ₂ CH ₃	CH(CH ₃) ₂	NH
Ial.1104	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NH
Ial.1105	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NH
Ial.1106	OCH ₃	H	(CH ₂) ₃ CH ₃	NH
Ial.1107	OCH ₃	CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.1108	OCH ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.1109	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.1110	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.1111	OCH ₃	H	CH ₂ CH(CH ₃) ₂	NH
Ial.1112	OCH ₃	CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.1113	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.1114	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.1115	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.1116	OCH ₃	H	CH(CH ₃)CH ₂ CH ₃	NH
Ial.1117	OCH ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.1118	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.1119	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.1120	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.1121	OCH ₃	H	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.1122	OCH ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.1123	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.1124	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH



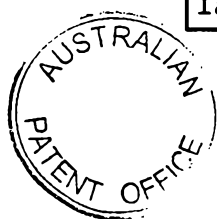
No.	R ²	R ³	R ⁴	Z
Ia1.1125	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.1126	OCH ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.1127	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.1128	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.1129	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.1130	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.1131	OCH ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.1132	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.1133	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.1134	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.1135	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.1136	OCH ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.1137	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.1138	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.1139	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.1140	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.1141	OCH ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.1142	OCH ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.1143	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.1144	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.1145	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.1146	OCH ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.1147	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.1148	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.1149	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.1150	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.1151	OCH ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.1152	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.1153	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.1154	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.1155	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.1156	OCH ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.1157	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.1158	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.1159	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.1160	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.1161	OCH ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1162	OCH ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1163	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH



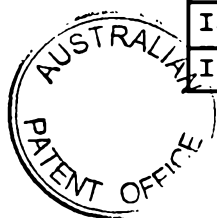
No.	R ²	R ³	R ⁴	Z
Ial.1164	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1165	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1166	OCH ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1167	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1168	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1169	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1170	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1171	OCH ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1172	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1173	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1174	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1175	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1176	OCH ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1177	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1178	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1179	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1180	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1181	OCH ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.1182	OCH ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.1183	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.1184	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.1185	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ial.1186	OCH ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.1187	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.1188	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.1189	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.1190	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ial.1191	OCH ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.1192	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.1193	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.1194	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.1195	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ial.1196	OCH ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.1197	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.1198	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.1199	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.1200	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ial.1201	OCH ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ial.1202	OCH ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH



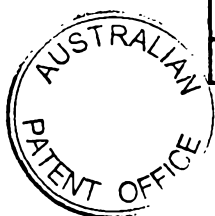
No.	R ²	R ³	R ⁴	Z
Ia1.1203	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1204	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1205	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1206	OCH ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1207	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1208	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1209	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1210	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1211	OCH ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1212	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1213	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1214	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1215	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1216	OCH ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1217	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1218	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1219	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1220	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1221	OCH ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1222	OCH ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1223	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1224	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1225	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1226	OCH ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1227	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1228	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1229	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1230	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1231	OCH ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1232	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1233	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1234	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1235	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1236	OCH ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1237	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1238	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1239	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1240	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH



No.	R ²	R ³	R ⁴	Z
Ia1.1241	OCH ₃	H	CH ₃	NCH ₃
Ia1.1242	OCH ₃	CH ₃	CH ₃	NCH ₃
Ia1.1243	OCH ₃	CH ₂ CH ₃	CH ₃	NCH ₃
Ia1.1244	OCH ₃	(CH ₂) ₂ CH ₃	CH ₃	NCH ₃
Ia1.1245	OCH ₃	(CH ₂) ₃ CH ₃	CH ₃	NCH ₃
Ia1.1246	OCH ₃	H	C ₂ H ₅	NCH ₃
Ia1.1247	OCH ₃	CH ₃	C ₂ H ₅	NCH ₃
Ia1.1248	OCH ₃	CH ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.1249	OCH ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.1250	OCH ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	NCH ₃
Ia1.1251	OCH ₃	H	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.1252	OCH ₃	CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.1253	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.1254	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.1255	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.1256	OCH ₃	H	CH(CH ₃) ₂	NCH ₃
Ia1.1257	OCH ₃	CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.1258	OCH ₃	CH ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.1259	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.1260	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.1261	OCH ₃	H	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.1262	OCH ₃	CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.1263	OCH ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.1264	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.1265	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.1266	OCH ₃	H	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.1267	OCH ₃	CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.1268	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.1269	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.1270	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.1271	OCH ₃	H	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.1272	OCH ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.1273	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.1274	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.1275	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.1276	OCH ₃	H	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.1277	OCH ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.1278	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.1279	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃



No.	R ²	R ³	R ⁴	Z
Ial.1280	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ial.1281	OCH ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1282	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1283	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1284	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1285	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1286	OCH ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ial.1287	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ial.1288	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ial.1289	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ial.1290	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ial.1291	OCH ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1292	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1293	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1294	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1295	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1296	OCH ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1297	OCH ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1298	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1299	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1300	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1301	OCH ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1302	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1303	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1304	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1305	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1306	OCH ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1307	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1308	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1309	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1310	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1311	OCH ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1312	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1313	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1314	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1315	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1316	OCH ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1317	OCH ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1318	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃

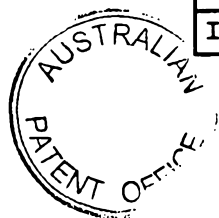


No.	R ²	R ³	R ⁴	Z
Ia1.1319	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1320	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1321	OCH ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1322	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1323	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1324	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1325	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1326	OCH ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1327	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1328	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1329	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1330	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1331	OCH ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1332	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1333	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1334	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1335	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1336	OCH ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1337	OCH ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1338	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1339	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1340	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1341	OCH ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1342	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1343	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1344	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1345	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1346	OCH ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1347	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1348	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1349	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1350	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1351	OCH ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1352	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1353	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1354	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1355	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1356	OCH ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1357	OCH ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃

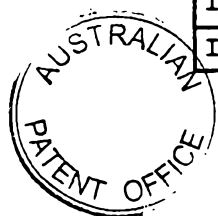
No.	R ²	R ³	R ⁴	Z
Ia1.1358	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1359	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1360	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1361	OCH ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1362	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1363	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1364	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1365	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1366	OCH ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1367	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1368	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1369	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1370	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1371	OCH ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1372	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1373	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1374	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1375	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1376	OCH ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1377	OCH ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1378	OCH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1379	OCH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1380	OCH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1381	OCH ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1382	OCH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1383	OCH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1384	OCH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1385	OCH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1386	OCH ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1387	OCH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1388	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1389	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1390	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1391	OCH ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1392	OCH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1393	OCH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1394	OCH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1395	OCH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃



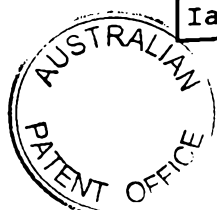
No.	R ²	R ³	R ⁴	Z
Ial.1396	CF ₃	H	CH ₃	O
Ial.1397	CF ₃	CH ₃	CH ₃	O
Ial.1398	CF ₃	CH ₂ CH ₃	CH ₃	O
Ial.1399	CF ₃	(CH ₂) ₂ CH ₃	CH ₃	O
Ial.1400	CF ₃	(CH ₂) ₃ CH ₃	CH ₃	O
Ial.1401	CF ₃	H	C ₂ H ₅	O
Ial.1402	CF ₃	CH ₃	C ₂ H ₅	O
Ial.1403	CF ₃	CH ₂ CH ₃	C ₂ H ₅	O
Ial.1404	CF ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	O
Ial.1405	CF ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	O
Ial.1406	CF ₃	H	(CH ₂) ₂ CH ₃	O
Ial.1407	CF ₃	CH ₃	(CH ₂) ₂ CH ₃	O
Ial.1408	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ial.1409	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ial.1410	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	O
Ial.1411	CF ₃	H	CH(CH ₃) ₂	O
Ial.1412	CF ₃	CH ₃	CH(CH ₃) ₂	O
Ial.1413	CF ₃	CH ₂ CH ₃	CH(CH ₃) ₂	O
Ial.1414	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	O
Ial.1415	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	O
Ial.1416	CF ₃	H	(CH ₂) ₃ CH ₃	O
Ial.1417	CF ₃	CH ₃	(CH ₂) ₃ CH ₃	O
Ial.1418	CF ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ial.1419	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ial.1420	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	O
Ial.1421	CF ₃	H	CH ₂ CH(CH ₃) ₂	O
Ial.1422	CF ₃	CH ₃	CH ₂ CH(CH ₃) ₂	O
Ial.1423	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ial.1424	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ial.1425	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ial.1426	CF ₃	H	CH(CH ₃)CH ₂ CH ₃	O
Ial.1427	CF ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ial.1428	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ial.1429	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ial.1430	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ial.1431	CF ₃	H	(CH ₂) ₂ -C ₆ H ₅	O
Ial.1432	CF ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ial.1433	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ial.1434	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O



No.	R ²	R ³	R ⁴	Z
Ia1.1435	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.1436	CF ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.1437	CF ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.1438	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.1439	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.1440	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.1441	CF ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.1442	CF ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.1443	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.1444	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.1445	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.1446	CF ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.1447	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.1448	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.1449	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.1450	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.1451	CF ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1452	CF ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1453	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1454	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1455	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1456	CF ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1457	CF ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1458	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1459	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1460	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1461	CF ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1462	CF ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1463	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1464	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1465	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.1466	CF ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1467	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1468	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1469	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1470	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.1471	CF ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1472	CF ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1473	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O



No.	R ²	R ³	R ⁴	Z
Ial.1474	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1475	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1476	CF ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1477	CF ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1478	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1479	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1480	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1481	CF ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1482	CF ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1483	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1484	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1485	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1486	CF ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1487	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1488	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1489	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1490	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1491	CF ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.1492	CF ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.1493	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.1494	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.1495	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.1496	CF ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.1497	CF ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.1498	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.1499	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.1500	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.1501	CF ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.1502	CF ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.1503	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.1504	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.1505	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.1506	CF ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.1507	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.1508	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.1509	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.1510	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.1511	CF ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.1512	CF ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O



No.	R ²	R ³	R ⁴	Z
Ial.1513	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.1514	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.1515	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.1516	CF ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ial.1517	CF ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ial.1518	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ial.1519	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ial.1520	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ial.1521	CF ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.1522	CF ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.1523	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.1524	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.1525	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.1526	CF ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ial.1527	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ial.1528	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ial.1529	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ial.1530	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ial.1531	CF ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1532	CF ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1533	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1534	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1535	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1536	CF ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1537	CF ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1538	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1539	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1540	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1541	CF ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1542	CF ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1543	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1544	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1545	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1546	CF ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1547	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1548	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1549	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1550	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O



No.	R ²	R ³	R ⁴	Z
Ia1.1551	CF ₃	H	CH ₃	NH
Ia1.1552	CF ₃	CH ₃	CH ₃	NH
Ia1.1553	CF ₃	CH ₂ CH ₃	CH ₃	NH
Ia1.1554	CF ₃	(CH ₂) ₂ CH ₃	CH ₃	NH
Ia1.1555	CF ₃	(CH ₂) ₃ CH ₃	CH ₃	NH
Ia1.1556	CF ₃	H	C ₂ H ₅	NH
Ia1.1557	CF ₃	CH ₃	C ₂ H ₅	NH
Ia1.1558	CF ₃	CH ₂ CH ₃	C ₂ H ₅	NH
Ia1.1559	CF ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	NH
Ia1.1560	CF ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	NH
Ia1.1561	CF ₃	H	(CH ₂) ₂ CH ₃	NH
Ia1.1562	CF ₃	CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.1563	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.1564	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.1565	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.1566	CF ₃	H	CH(CH ₃) ₂	NH
Ia1.1567	CF ₃	CH ₃	CH(CH ₃) ₂	NH
Ia1.1568	CF ₃	CH ₂ CH ₃	CH(CH ₃) ₂	NH
Ia1.1569	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NH
Ia1.1570	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NH
Ia1.1571	CF ₃	H	(CH ₂) ₃ CH ₃	NH
Ia1.1572	CF ₃	CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.1573	CF ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.1574	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.1575	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.1576	CF ₃	H	CH ₂ CH(CH ₃) ₂	NH
Ia1.1577	CF ₃	CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.1578	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.1579	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.1580	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.1581	CF ₃	H	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.1582	CF ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.1583	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.1584	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.1585	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.1586	CF ₃	H	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.1587	CF ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.1588	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.1589	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH

No.	R ²	R ³	R ⁴	Z
Ial.1590	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.1591	CF ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.1592	CF ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.1593	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.1594	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.1595	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.1596	CF ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.1597	CF ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.1598	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.1599	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.1600	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.1601	CF ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.1602	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.1603	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.1604	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.1605	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.1606	CF ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.1607	CF ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.1608	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.1609	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.1610	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.1611	CF ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.1612	CF ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.1613	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.1614	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.1615	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.1616	CF ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.1617	CF ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.1618	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.1619	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.1620	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.1621	CF ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.1622	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.1623	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.1624	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.1625	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.1626	CF ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1627	CF ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.1628	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH



No.	R ²	R ³	R ⁴	Z
Ia1.1629	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1630	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1631	CF ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1632	CF ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1633	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1634	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1635	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1636	CF ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1637	CF ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1638	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1639	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1640	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1641	CF ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1642	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1643	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1644	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1645	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1646	CF ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.1647	CF ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.1648	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.1649	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.1650	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.1651	CF ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.1652	CF ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.1653	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.1654	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.1655	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.1656	CF ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.1657	CF ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.1658	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.1659	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.1660	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.1661	CF ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.1662	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.1663	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.1664	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.1665	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.1666	CF ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1667	CF ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH



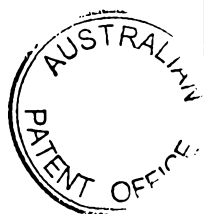
No.	R ²	R ³	R ⁴	Z
Ia1.1668	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1669	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1670	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1671	CF ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1672	CF ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1673	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1674	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1675	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1676	CF ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1677	CF ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1678	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1679	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1680	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.1681	CF ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1682	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1683	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1684	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1685	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.1686	CF ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1687	CF ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1688	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1689	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1690	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1691	CF ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1692	CF ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1693	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1694	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1695	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1696	CF ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1697	CF ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1698	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1699	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1700	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1701	CF ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1702	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1703	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1704	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.1705	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH



No.	R ²	R ³	R ⁴	Z
Ia1.1706	CF ₃	H	CH ₃	NCH ₃
Ia1.1707	CF ₃	CH ₃	CH ₃	NCH ₃
Ia1.1708	CF ₃	CH ₂ CH ₃	CH ₃	NCH ₃
Ia1.1709	CF ₃	(CH ₂) ₂ CH ₃	CH ₃	NCH ₃
Ia1.1710	CF ₃	(CH ₂) ₃ CH ₃	CH ₃	NCH ₃
Ia1.1711	CF ₃	H	C ₂ H ₅	NCH ₃
Ia1.1712	CF ₃	CH ₃	C ₂ H ₅	NCH ₃
Ia1.1713	CF ₃	CH ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.1714	CF ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.1715	CF ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	NCH ₃
Ia1.1716	CF ₃	H	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.1717	CF ₃	CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.1718	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.1719	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.1720	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.1721	CF ₃	H	CH(CH ₃) ₂	NCH ₃
Ia1.1722	CF ₃	CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.1723	CF ₃	CH ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.1724	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.1725	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.1726	CF ₃	H	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.1727	CF ₃	CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.1728	CF ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.1729	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.1730	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.1731	CF ₃	H	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.1732	CF ₃	CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.1733	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.1734	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.1735	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.1736	CF ₃	H	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.1737	CF ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.1738	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.1739	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.1740	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.1741	CF ₃	H	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.1742	CF ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.1743	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.1744	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃



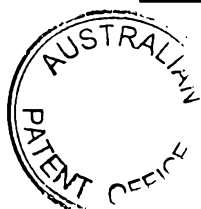
No.	R ²	R ³	R ⁴	Z
Ial.1745	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ial.1746	CF ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1747	CF ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1748	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1749	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1750	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1751	CF ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ial.1752	CF ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ial.1753	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ial.1754	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ial.1755	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ial.1756	CF ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1757	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1758	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1759	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1760	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ial.1761	CF ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1762	CF ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1763	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1764	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1765	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1766	CF ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1767	CF ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1768	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1769	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1770	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1771	CF ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1772	CF ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1773	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1774	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1775	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1776	CF ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1777	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1778	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1779	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1780	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1781	CF ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1782	CF ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1783	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃



No.	R ²	R ³	R ⁴	Z
Ia1.1784	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1785	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1786	CF ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1787	CF ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1788	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1789	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1790	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1791	CF ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1792	CF ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1793	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1794	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1795	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1796	CF ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1797	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1798	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1799	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1800	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.1801	CF ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1802	CF ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1803	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1804	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1805	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1806	CF ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1807	CF ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1808	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1809	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1810	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1811	CF ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1812	CF ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1813	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1814	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1815	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.1816	CF ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1817	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1818	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1819	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1820	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.1821	CF ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.1822	CF ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃



No.	R ²	R ³	R ⁴	Z
Ial.1823	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1824	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1825	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1826	CF ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1827	CF ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1828	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1829	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1830	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1831	CF ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1832	CF ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1833	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1834	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1835	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1836	CF ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1837	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1838	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1839	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1840	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.1841	CF ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1842	CF ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1843	CF ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1844	CF ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1845	CF ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1846	CF ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1847	CF ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1848	CF ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1849	CF ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1850	CF ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1851	CF ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1852	CF ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1853	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1854	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1855	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1856	CF ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1857	CF ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1858	CF ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1859	CF ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.1860	CF ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃



No.	R ²	R ³	R ⁴	Z
Ial.1861	SO ₂ CH ₃	H	CH ₃	O
Ial.1862	SO ₂ CH ₃	CH ₃	CH ₃	O
Ial.1863	SO ₂ CH ₃	CH ₂ CH ₃	CH ₃	O
Ial.1864	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₃	O
Ial.1865	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₃	O
Ial.1866	SO ₂ CH ₃	H	C ₂ H ₅	O
Ial.1867	SO ₂ CH ₃	CH ₃	C ₂ H ₅	O
Ial.1868	SO ₂ CH ₃	CH ₂ CH ₃	C ₂ H ₅	O
Ial.1869	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	O
Ial.1870	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	O
Ial.1871	SO ₂ CH ₃	H	(CH ₂) ₂ CH ₃	O
Ial.1872	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ CH ₃	O
Ial.1873	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ial.1874	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ial.1875	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	O
Ial.1876	SO ₂ CH ₃	H	CH(CH ₃) ₂	O
Ial.1877	SO ₂ CH ₃	CH ₃	CH(CH ₃) ₂	O
Ial.1878	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃) ₂	O
Ial.1879	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	O
Ial.1880	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	O
Ial.1881	SO ₂ CH ₃	H	(CH ₂) ₃ CH ₃	O
Ial.1882	SO ₂ CH ₃	CH ₃	(CH ₂) ₃ CH ₃	O
Ial.1883	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ial.1884	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ial.1885	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	O
Ial.1886	SO ₂ CH ₃	H	CH ₂ CH(CH ₃) ₂	O
Ial.1887	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃) ₂	O
Ial.1888	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ial.1889	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ial.1890	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ial.1891	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ CH ₃	O
Ial.1892	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ial.1893	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ial.1894	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ial.1895	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ial.1896	SO ₂ CH ₃	H	(CH ₂) ₂ -C ₆ H ₅	O
Ial.1897	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ial.1898	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ial.1899	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O



No.	R ²	R ³	R ⁴	Z
Ial.1900	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ial.1901	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ial.1902	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ial.1903	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ial.1904	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ial.1905	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ial.1906	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ial.1907	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ial.1908	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ial.1909	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ial.1910	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ial.1911	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ial.1912	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ial.1913	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ial.1914	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ial.1915	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ial.1916	SO ₂ CH ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ial.1917	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ial.1918	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ial.1919	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ial.1920	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ial.1921	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ial.1922	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ial.1923	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ial.1924	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ial.1925	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ial.1926	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ial.1927	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ial.1928	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ial.1929	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ial.1930	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ial.1931	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ial.1932	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ial.1933	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ial.1934	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ial.1935	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ial.1936	SO ₂ CH ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1937	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1938	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O

No.	R ²	R ³	R ⁴	Z
Ial.1939	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1940	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1941	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1942	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1943	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1944	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1945	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1946	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1947	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1948	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1949	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1950	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1951	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1952	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1953	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1954	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1955	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.1956	SO ₂ CH ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.1957	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.1958	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.1959	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.1960	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.1961	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.1962	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.1963	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.1964	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.1965	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.1966	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.1967	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.1968	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.1969	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.1970	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.1971	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.1972	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.1973	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.1974	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.1975	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.1976	SO ₂ CH ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.1977	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O



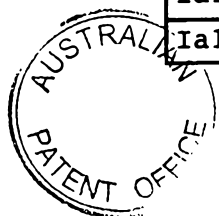
No.	R ²	R ³	R ⁴	Z
Ia1.1978	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1979	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1980	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1981	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1982	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1983	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1984	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1985	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1986	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1987	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1988	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1989	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1990	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.1991	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1992	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1993	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1994	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1995	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.1996	SO ₂ CH ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1997	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1998	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.1999	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2000	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2001	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2002	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2003	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2004	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2005	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2006	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2007	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2008	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2009	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2010	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2011	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2012	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2013	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2014	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2015	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O



No.	R ²	R ³	R ⁴	Z
Ia1.2016	SO ₂ CH ₃	H	CH ₃	NH
Ia1.2017	SO ₂ CH ₃	CH ₃	CH ₃	NH
Ia1.2018	SO ₂ CH ₃	CH ₂ CH ₃	CH ₃	NH
Ia1.2019	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₃	NH
Ia1.2020	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₃	NH
Ia1.2021	SO ₂ CH ₃	H	C ₂ H ₅	NH
Ia1.2022	SO ₂ CH ₃	CH ₃	C ₂ H ₅	NH
Ia1.2023	SO ₂ CH ₃	CH ₂ CH ₃	C ₂ H ₅	NH
Ia1.2024	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	NH
Ia1.2025	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	NH
Ia1.2026	SO ₂ CH ₃	H	(CH ₂) ₂ CH ₃	NH
Ia1.2027	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.2028	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.2029	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.2030	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NH
Ia1.2031	SO ₂ CH ₃	H	CH(CH ₃) ₂	NH
Ia1.2032	SO ₂ CH ₃	CH ₃	CH(CH ₃) ₂	NH
Ia1.2033	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃) ₂	NH
Ia1.2034	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NH
Ia1.2035	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NH
Ia1.2036	SO ₂ CH ₃	H	(CH ₂) ₃ CH ₃	NH
Ia1.2037	SO ₂ CH ₃	CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.2038	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.2039	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.2040	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NH
Ia1.2041	SO ₂ CH ₃	H	CH ₂ CH(CH ₃) ₂	NH
Ia1.2042	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.2043	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.2044	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.2045	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ia1.2046	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.2047	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.2048	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.2049	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.2050	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ia1.2051	SO ₂ CH ₃	H	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.2052	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.2053	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.2054	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH



No.	R ²	R ³	R ⁴	Z
Ia1.2055	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ia1.2056	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.2057	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.2058	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.2059	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.2060	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ia1.2061	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.2062	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.2063	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.2064	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.2065	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ia1.2066	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.2067	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.2068	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.2069	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.2070	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ia1.2071	SO ₂ CH ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.2072	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.2073	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.2074	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.2075	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.2076	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.2077	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.2078	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.2079	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.2080	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.2081	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.2082	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.2083	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.2084	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.2085	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ia1.2086	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.2087	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.2088	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.2089	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.2090	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ia1.2091	SO ₂ CH ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2092	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2093	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH



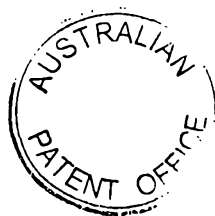
No.	R ²	R ³	R ⁴	Z
Ia1.2094	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2095	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2096	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2097	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2098	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2099	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2100	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2101	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2102	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2103	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2104	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2105	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2106	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2107	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2108	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2109	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2110	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2111	SO ₂ CH ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.2112	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.2113	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.2114	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.2115	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.2116	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2117	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2118	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2119	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2120	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2121	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.2122	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.2123	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.2124	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.2125	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.2126	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2127	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2128	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2129	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2130	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2131	SO ₂ CH ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2132	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH



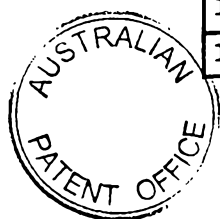
No.	R ²	R ³	R ⁴	Z
Ia1.2133	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2134	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2135	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2136	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2137	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2138	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2139	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2140	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2141	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2142	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2143	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2144	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2145	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2146	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2147	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2148	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2149	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2150	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2151	SO ₂ CH ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2152	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2153	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2154	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2155	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2156	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2157	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2158	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2159	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2160	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2161	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2162	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2163	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2164	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2165	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2166	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2167	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2168	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2169	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2170	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH



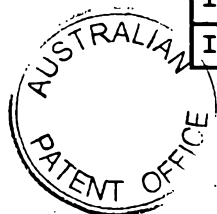
No.	R ²	R ³	R ⁴	Z
Ia1.2171	SO ₂ CH ₃	H	CH ₃	NCH ₃
Ia1.2172	SO ₂ CH ₃	CH ₃	CH ₃	NCH ₃
Ia1.2173	SO ₂ CH ₃	CH ₂ CH ₃	CH ₃	NCH ₃
Ia1.2174	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₃	NCH ₃
Ia1.2175	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₃	NCH ₃
Ia1.2176	SO ₂ CH ₃	H	C ₂ H ₅	NCH ₃
Ia1.2177	SO ₂ CH ₃	CH ₃	C ₂ H ₅	NCH ₃
Ia1.2178	SO ₂ CH ₃	CH ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.2179	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.2180	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	C ₂ H ₅	NCH ₃
Ia1.2181	SO ₂ CH ₃	H	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.2182	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.2183	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.2184	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.2185	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.2186	SO ₂ CH ₃	H	CH(CH ₃) ₂	NCH ₃
Ia1.2187	SO ₂ CH ₃	CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.2188	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.2189	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.2190	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.2191	SO ₂ CH ₃	H	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.2192	SO ₂ CH ₃	CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.2193	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.2194	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.2195	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.2196	SO ₂ CH ₃	H	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.2197	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.2198	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.2199	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.2200	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.2201	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.2202	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.2203	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.2204	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.2205	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.2206	SO ₂ CH ₃	H	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.2207	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.2208	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.2209	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃



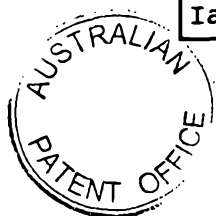
No.	R ²	R ³	R ⁴	Z
Ia1.2210	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.2211	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2212	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2213	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2214	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2215	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2216	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.2217	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.2218	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.2219	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.2220	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.2221	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2222	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2223	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2224	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2225	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2226	SO ₂ CH ₃	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2227	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2228	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2229	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2230	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2231	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2232	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2233	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2234	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2235	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2236	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2237	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2238	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2239	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2240	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2241	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2242	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2243	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2244	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2245	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2246	SO ₂ CH ₃	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2247	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2248	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃



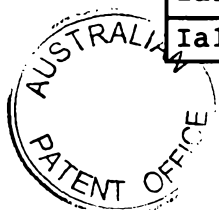
No.	R ²	R ³	R ⁴	Z
Ia1.2249	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2250	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2251	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2252	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2253	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2254	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2255	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2256	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2257	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2258	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2259	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2260	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2261	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2262	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2263	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2264	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2265	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2266	SO ₂ CH ₃	H	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2267	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2268	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2269	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2270	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2271	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2272	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2273	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2274	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2275	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2276	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2277	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2278	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2279	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2280	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2281	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2282	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2283	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2284	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2285	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2286	SO ₂ CH ₃	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2287	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃



No.	R ²	R ³	R ⁴	Z
Ial.2288	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2289	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2290	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2291	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2292	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2293	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2294	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2295	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2296	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2297	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2298	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2299	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2300	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2301	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2302	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2303	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2304	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2305	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2306	SO ₂ CH ₃	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2307	SO ₂ CH ₃	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2308	SO ₂ CH ₃	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2309	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2310	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2311	SO ₂ CH ₃	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2312	SO ₂ CH ₃	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2313	SO ₂ CH ₃	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2314	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2315	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2316	SO ₂ CH ₃	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2317	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2318	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2319	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2320	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2321	SO ₂ CH ₃	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2322	SO ₂ CH ₃	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2323	SO ₂ CH ₃	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2324	SO ₂ CH ₃	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2325	SO ₂ CH ₃	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃



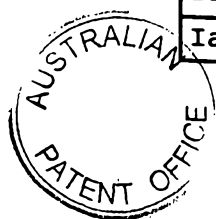
No.	R ²	R ³	R ⁴	Z
Ia1.2326	NO ₂	H	CH ₃	O
Ia1.2327	NO ₂	CH ₃	CH ₃	O
Ia1.2328	NO ₂	CH ₂ CH ₃	CH ₃	O
Ia1.2329	NO ₂	(CH ₂) ₂ CH ₃	CH ₃	O
Ia1.2330	NO ₂	(CH ₂) ₃ CH ₃	CH ₃	O
Ia1.2331	NO ₂	H	C ₂ H ₅	O
Ia1.2332	NO ₂	CH ₃	C ₂ H ₅	O
Ia1.2333	NO ₂	CH ₂ CH ₃	C ₂ H ₅	O
Ia1.2334	NO ₂	(CH ₂) ₂ CH ₃	C ₂ H ₅	O
Ia1.2335	NO ₂	(CH ₂) ₃ CH ₃	C ₂ H ₅	O
Ia1.2336	NO ₂	H	(CH ₂) ₂ CH ₃	O
Ia1.2337	NO ₂	CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.2338	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.2339	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.2340	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	O
Ia1.2341	NO ₂	H	CH(CH ₃) ₂	O
Ia1.2342	NO ₂	CH ₃	CH(CH ₃) ₂	O
Ia1.2343	NO ₂	CH ₂ CH ₃	CH(CH ₃) ₂	O
Ia1.2344	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	O
Ia1.2345	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	O
Ia1.2346	NO ₂	H	(CH ₂) ₃ CH ₃	O
Ia1.2347	NO ₂	CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.2348	NO ₂	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.2349	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.2350	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	O
Ia1.2351	NO ₂	H	CH ₂ CH(CH ₃) ₂	O
Ia1.2352	NO ₂	CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.2353	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.2354	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.2355	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	O
Ia1.2356	NO ₂	H	CH(CH ₃)CH ₂ CH ₃	O
Ia1.2357	NO ₂	CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.2358	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.2359	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.2360	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	O
Ia1.2361	NO ₂	H	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.2362	NO ₂	CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.2363	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.2364	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O



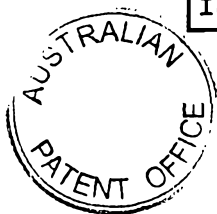
No.	R ²	R ³	R ⁴	Z
Ia1.2365	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	O
Ia1.2366	NO ₂	H	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.2367	NO ₂	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.2368	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.2369	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.2370	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	O
Ia1.2371	NO ₂	H	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.2372	NO ₂	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.2373	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.2374	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.2375	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	O
Ia1.2376	NO ₂	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.2377	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.2378	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.2379	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.2380	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	O
Ia1.2381	NO ₂	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.2382	NO ₂	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.2383	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.2384	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.2385	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.2386	NO ₂	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.2387	NO ₂	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.2388	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.2389	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.2390	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.2391	NO ₂	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.2392	NO ₂	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.2393	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.2394	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.2395	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	O
Ia1.2396	NO ₂	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.2397	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.2398	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.2399	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.2400	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	O
Ia1.2401	NO ₂	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2402	NO ₂	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2403	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O



No.	R ²	R ³	R ⁴	Z
Ial.2404	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2405	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2406	NO ₂	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2407	NO ₂	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2408	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2409	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2410	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2411	NO ₂	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2412	NO ₂	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2413	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2414	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2415	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2416	NO ₂	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2417	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2418	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2419	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2420	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	O
Ial.2421	NO ₂	H	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.2422	NO ₂	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.2423	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.2424	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.2425	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	O
Ial.2426	NO ₂	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.2427	NO ₂	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.2428	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.2429	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.2430	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	O
Ial.2431	NO ₂	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.2432	NO ₂	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.2433	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.2434	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.2435	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	O
Ial.2436	NO ₂	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.2437	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.2438	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.2439	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.2440	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	O
Ial.2441	NO ₂	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ial.2442	NO ₂	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O



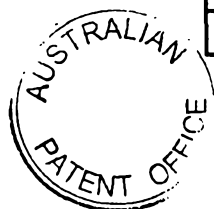
No.	R ²	R ³	R ⁴	Z
Ia1.2443	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.2444	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.2445	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.2446	NO ₂	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.2447	NO ₂	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.2448	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.2449	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.2450	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.2451	NO ₂	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.2452	NO ₂	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.2453	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.2454	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.2455	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	O
Ia1.2456	NO ₂	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.2457	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.2458	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.2459	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.2460	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	O
Ia1.2461	NO ₂	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2462	NO ₂	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2463	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2464	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2465	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2466	NO ₂	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2467	NO ₂	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2468	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2469	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2470	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2471	NO ₂	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2472	NO ₂	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2473	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2474	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2475	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2476	NO ₂	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2477	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2478	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2479	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O
Ia1.2480	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	O



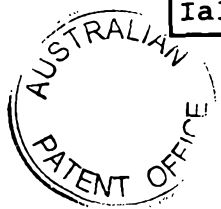
No.	R ²	R ³	R ⁴	Z
Ial.2481	NO ₂	H	CH ₃	NH
Ial.2482	NO ₂	CH ₃	CH ₃	NH
Ial.2483	NO ₂	CH ₂ CH ₃	CH ₃	NH
Ial.2484	NO ₂	(CH ₂) ₂ CH ₃	CH ₃	NH
Ial.2485	NO ₂	(CH ₂) ₃ CH ₃	CH ₃	NH
Ial.2486	NO ₂	H	C ₂ H ₅	NH
Ial.2487	NO ₂	CH ₃	C ₂ H ₅	NH
Ial.2488	NO ₂	CH ₂ CH ₃	C ₂ H ₅	NH
Ial.2489	NO ₂	(CH ₂) ₂ CH ₃	C ₂ H ₅	NH
Ial.2490	NO ₂	(CH ₂) ₃ CH ₃	C ₂ H ₅	NH
Ial.2491	NO ₂	H	(CH ₂) ₂ CH ₃	NH
Ial.2492	NO ₂	CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.2493	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.2494	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.2495	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NH
Ial.2496	NO ₂	H	CH(CH ₃) ₂	NH
Ial.2497	NO ₂	CH ₃	CH(CH ₃) ₂	NH
Ial.2498	NO ₂	CH ₂ CH ₃	CH(CH ₃) ₂	NH
Ial.2499	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NH
Ial.2500	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NH
Ial.2501	NO ₂	H	(CH ₂) ₃ CH ₃	NH
Ial.2502	NO ₂	CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.2503	NO ₂	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.2504	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.2505	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NH
Ial.2506	NO ₂	H	CH ₂ CH(CH ₃) ₂	NH
Ial.2507	NO ₂	CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.2508	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.2509	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.2510	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NH
Ial.2511	NO ₂	H	CH(CH ₃)CH ₂ CH ₃	NH
Ial.2512	NO ₂	CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.2513	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.2514	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.2515	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NH
Ial.2516	NO ₂	H	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.2517	NO ₂	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.2518	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.2519	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH



No.	R ²	R ³	R ⁴	Z
Ial.2520	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NH
Ial.2521	NO ₂	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.2522	NO ₂	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.2523	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.2524	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.2525	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NH
Ial.2526	NO ₂	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.2527	NO ₂	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.2528	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.2529	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.2530	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NH
Ial.2531	NO ₂	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.2532	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.2533	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.2534	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.2535	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NH
Ial.2536	NO ₂	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.2537	NO ₂	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.2538	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.2539	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.2540	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.2541	NO ₂	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.2542	NO ₂	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.2543	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.2544	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.2545	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.2546	NO ₂	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.2547	NO ₂	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.2548	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.2549	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.2550	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NH
Ial.2551	NO ₂	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.2552	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.2553	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.2554	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.2555	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NH
Ial.2556	NO ₂	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.2557	NO ₂	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ial.2558	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH



No.	R ²	R ³	R ⁴	Z
Ia1.2559	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2560	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2561	NO ₂	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2562	NO ₂	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2563	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2564	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2565	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2566	NO ₂	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2567	NO ₂	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2568	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2569	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2570	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2571	NO ₂	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2572	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2573	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2574	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2575	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2576	NO ₂	H	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.2577	NO ₂	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.2578	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.2579	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.2580	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NH
Ia1.2581	NO ₂	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2582	NO ₂	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2583	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2584	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2585	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2586	NO ₂	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.2587	NO ₂	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.2588	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.2589	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.2590	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NH
Ia1.2591	NO ₂	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2592	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2593	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2594	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2595	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NH
Ia1.2596	NO ₂	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2597	NO ₂	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH

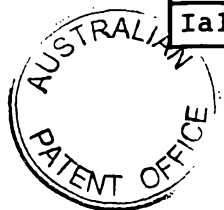


No.	R ²	R ³	R ⁴	Z
Ia1.2598	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2599	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2600	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2601	NO ₂	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2602	NO ₂	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2603	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2604	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2605	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2606	NO ₂	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2607	NO ₂	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2608	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2609	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2610	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NH
Ia1.2611	NO ₂	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2612	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2613	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2614	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2615	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NH
Ia1.2616	NO ₂	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2617	NO ₂	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2618	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2619	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2620	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2621	NO ₂	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2622	NO ₂	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2623	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2624	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2625	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2626	NO ₂	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2627	NO ₂	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2628	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2629	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2630	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2631	NO ₂	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2632	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2633	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2634	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH
Ia1.2635	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NH

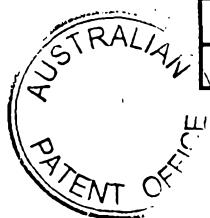


No.	R ²	R ³	R ⁴	Z
Ia1.2636	NO ₂	H	CH ₃	NCH ₃
Ia1.2637	NO ₂	CH ₃	CH ₃	NCH ₃
Ia1.2638	NO ₂	CH ₂ CH ₃	CH ₃	NCH ₃
Ia1.2639	NO ₂	(CH ₂) ₂ CH ₃	CH ₃	NCH ₃
Ia1.2640	NO ₂	(CH ₂) ₃ CH ₃	CH ₃	NCH ₃
Ia1.2641	NO ₂	H	C ₂ H ₅	NCH ₃
Ia1.2642	NO ₂	CH ₃	C ₂ H ₅	NCH ₃
Ia1.2643	NO ₂	CH ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.2644	NO ₂	(CH ₂) ₂ CH ₃	C ₂ H ₅	NCH ₃
Ia1.2645	NO ₂	(CH ₂) ₃ CH ₃	C ₂ H ₅	NCH ₃
Ia1.2646	NO ₂	H	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.2647	NO ₂	CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.2648	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.2649	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.2650	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ CH ₃	NCH ₃
Ia1.2651	NO ₂	H	CH(CH ₃) ₂	NCH ₃
Ia1.2652	NO ₂	CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.2653	NO ₂	CH ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.2654	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.2655	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃) ₂	NCH ₃
Ia1.2656	NO ₂	H	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.2657	NO ₂	CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.2658	NO ₂	CH ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.2659	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.2660	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₃ CH ₃	NCH ₃
Ia1.2661	NO ₂	H	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.2662	NO ₂	CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.2663	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.2664	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.2665	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃) ₂	NCH ₃
Ia1.2666	NO ₂	H	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.2667	NO ₂	CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.2668	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.2669	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.2670	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ CH ₃	NCH ₃
Ia1.2671	NO ₂	H	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.2672	NO ₂	CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.2673	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.2674	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃

No.	R ²	R ³	R ⁴	Z
Ia1.2675	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -C ₆ H ₅	NCH ₃
Ia1.2676	NO ₂	H	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2677	NO ₂	CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2678	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2679	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2680	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2681	NO ₂	H	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.2682	NO ₂	CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.2683	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.2684	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.2685	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -C ₆ H ₅	NCH ₃
Ia1.2686	NO ₂	H	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2687	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2688	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2689	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2690	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-C ₆ H ₅	NCH ₃
Ia1.2691	NO ₂	H	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2692	NO ₂	CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2693	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2694	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2695	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2696	NO ₂	H	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2697	NO ₂	CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2698	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2699	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2700	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2701	NO ₂	H	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2702	NO ₂	CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2703	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2704	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2705	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2706	NO ₂	H	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2707	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2708	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2709	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2710	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2711	NO ₂	H	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2712	NO ₂	CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2713	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃



No.	R ²	R ³	R ⁴	Z
Ia1.2714	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2715	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2716	NO ₂	H	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2717	NO ₂	CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2718	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2719	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2720	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2721	NO ₂	H	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2722	NO ₂	CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2723	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2724	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2725	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2726	NO ₂	H	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2727	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2728	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2729	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2730	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ia1.2731	NO ₂	H	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2732	NO ₂	CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2733	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2734	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2735	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2736	NO ₂	H	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2737	NO ₂	CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2738	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2739	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2740	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2741	NO ₂	H	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2742	NO ₂	CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2743	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2744	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2745	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-C ₆ H ₅	NCH ₃
Ia1.2746	NO ₂	H	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2747	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2748	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2749	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2750	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-C ₆ H ₅	NCH ₃
Ia1.2751	NO ₂	H	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ia1.2752	NO ₂	CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃

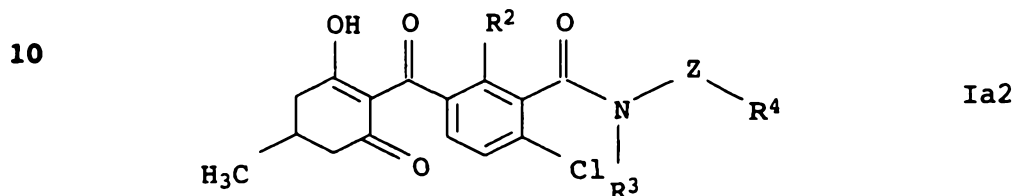


No.	R ²	R ³	R ⁴	Z
Ial.2753	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2754	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2755	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2756	NO ₂	H	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2757	NO ₂	CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2758	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2759	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2760	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2761	NO ₂	H	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2762	NO ₂	CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2763	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2764	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2765	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2766	NO ₂	H	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2767	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2768	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2769	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2770	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(4-Cl-C ₆ H ₄)	NCH ₃
Ial.2771	NO ₂	H	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2772	NO ₂	CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2773	NO ₂	CH ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2774	NO ₂	(CH ₂) ₂ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2775	NO ₂	(CH ₂) ₃ CH ₃	(CH ₂) ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2776	NO ₂	H	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2777	NO ₂	CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2778	NO ₂	CH ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2779	NO ₂	(CH ₂) ₂ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2780	NO ₂	(CH ₂) ₃ CH ₃	CH ₂ CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2781	NO ₂	H	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2782	NO ₂	CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2783	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2784	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2785	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH ₂ -O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2786	NO ₂	H	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2787	NO ₂	CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2788	NO ₂	CH ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2789	NO ₂	(CH ₂) ₂ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃
Ial.2790	NO ₂	(CH ₂) ₃ CH ₃	CH(CH ₃)CH(CH ₃)-O-(2,4-Cl ₂ -C ₆ H ₃)	NCH ₃

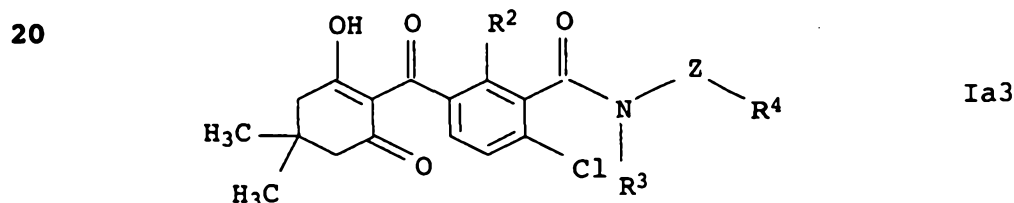


Also most particularly most extraordinarily preferred are the 2-benzoylcyclohexane-1,3-diones of the formula I which follow:

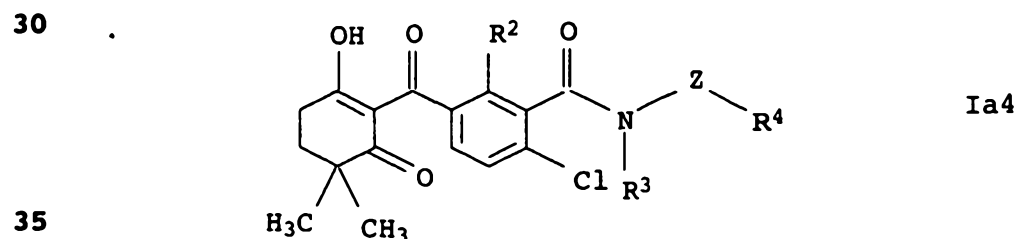
- 5 - The compounds Ia2, especially the compounds Ia2.1-Ia2.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^{13} is methyl:



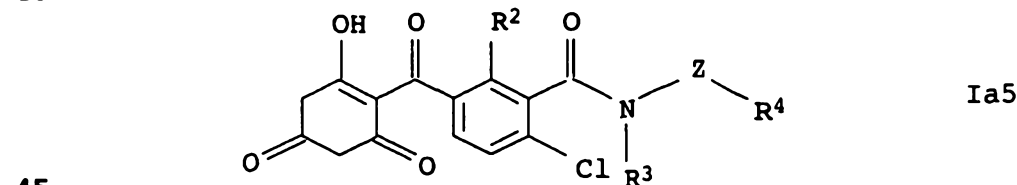
- 15 - The compounds Ia3, especially the compounds Ia3.1-Ia3.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^{13} and R^{14} are in each case methyl:



- 25 - The compounds Ia4, especially the compounds Ia4.1-Ia4.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^{15} and R^{16} are in each case methyl:



- 35 - The compounds Ia5, especially the compounds Ia5.1-Ia5.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that the $CR^{13}R^{14}$ unit is replaced by $C=O$:



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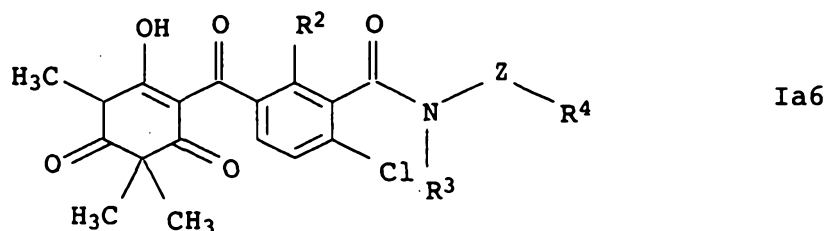


88

- The compounds Ia6, especially the compounds Ia6.1-Ia6.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^{11} , R^{15} and R^{16} are in each case methyl and the $CR^{13}R^{14}$ unit is replaced by $C=O$:

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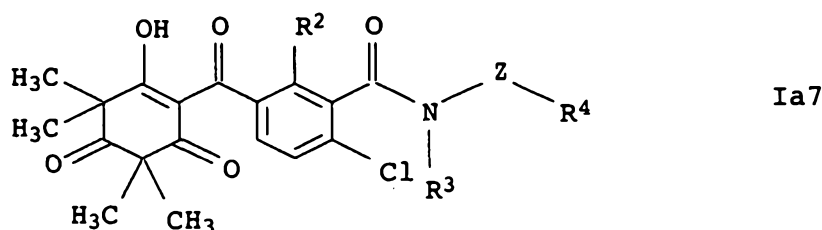
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- The compounds Ia7, especially the compounds Ia7.1-Ia7.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^{11} , R^{12} , R^{15} and R^{16} are in each case methyl and the $CR^{13}R^{14}$ unit is replaced by $C=O$:

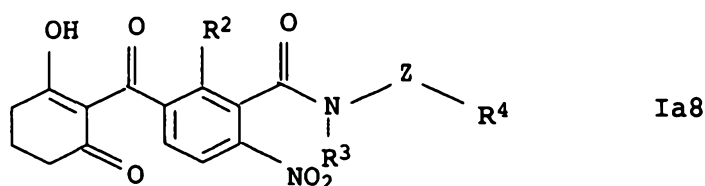
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- The compounds Ia8, especially the compounds Ia8.1-Ia8.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^1 is nitro:

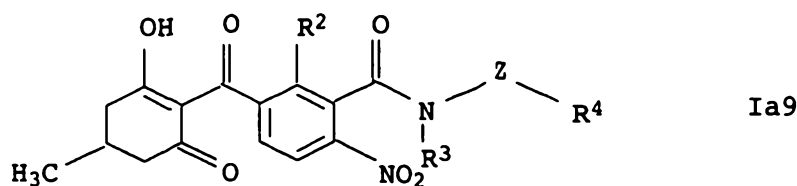
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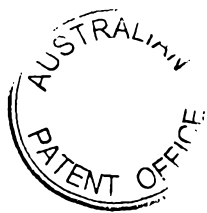
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- The compounds Ia9, especially the compounds Ia9.1-Ia9.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^1 is nitro and R^{13} is methyl:

40

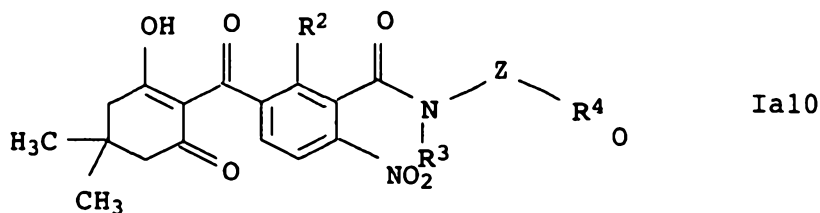


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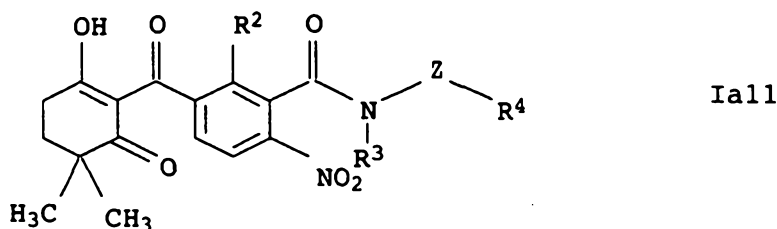


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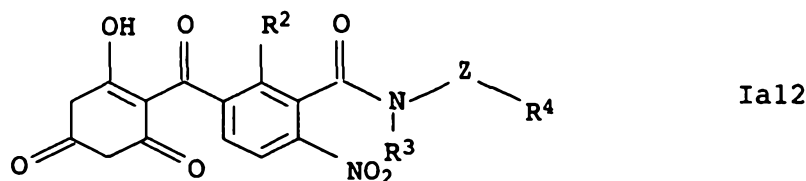
- The compounds Ia10, especially the compounds Ia10.1-Ia10.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is nitro and R¹³ and R¹⁴ are in each case methyl:



- The compounds Ia11, especially the compounds Ia11.1-Ia11.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is nitro and R¹⁵ and R¹⁶ are in each case methyl:



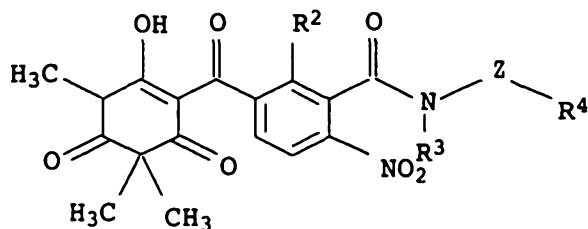
- The compounds Ia12, especially the compounds Ia12.1-Ia12.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is nitro and the CR¹³R¹⁴ unit is replaced by C=O:



- The compounds Ia13, especially the compounds Ia13.1-Ia13.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is nitro, R¹¹, R¹⁵ and R¹⁶ are in each case methyl and the CR¹³R¹⁴ unit is replaced by C=O:

90

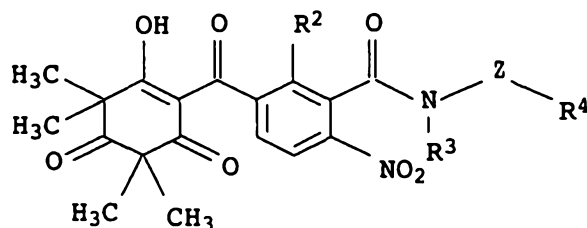
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Ia13

- The compounds Ia14, especially the compounds Ia14.1-Ia14.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is nitro, R¹¹, R¹², R¹⁵ and R¹⁶ are in each case methyl and the CR¹³R¹⁴ unit is replaced by C=O:

15

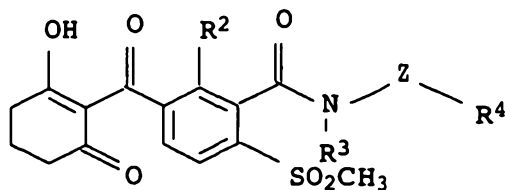


Ia14

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- The compounds Ia15, especially the compounds Ia15.1-Ia15.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is methylsulfonyl:

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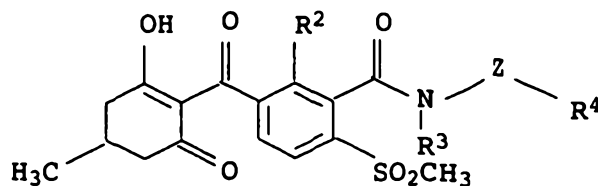


Ia15

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- The compounds Ia16, especially the compounds Ia16.1-Ia16.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is methylsulfonyl and R¹³ is methyl:

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Ia16

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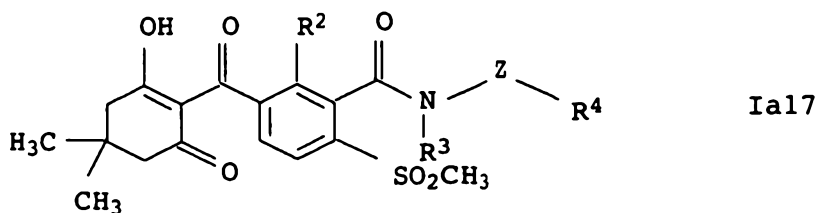
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91

- The compounds Ia17, especially the compounds Ia17.1-Ia17.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^1 is methylsulfonyl and R^{13} and R^{14} are in each case methyl:

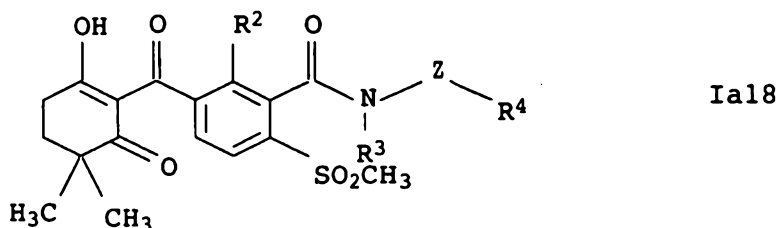
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- The compounds Ia18, especially the compounds Ia18.1-Ia18.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^1 is methylsulfonyl and R^{15} and R^{16} are in each case methyl:

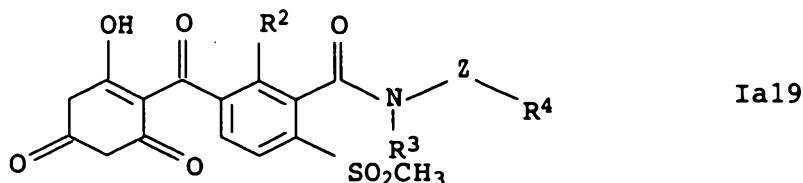
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- 25 - The compounds Ia19, especially the compounds Ia19.1-Ia19.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^1 is methylsulfonyl and the $CR^{13}R^{14}$ unit is replaced by $C=O$:

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- The compounds Ia20, especially the compounds Ia20.1-Ia20.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^1 is methylsulfonyl, R^{11} , R^{15} and R^{16} are in each case methyl and the $CR^{13}R^{14}$ unit is replaced by $C=O$:

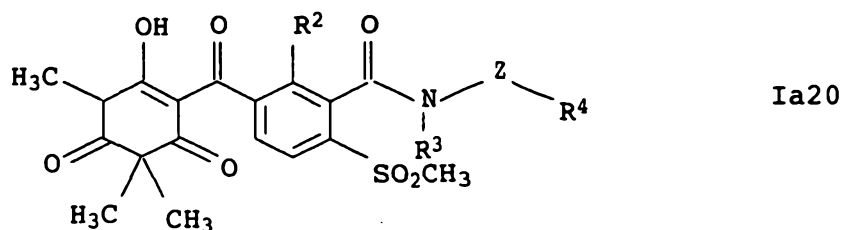
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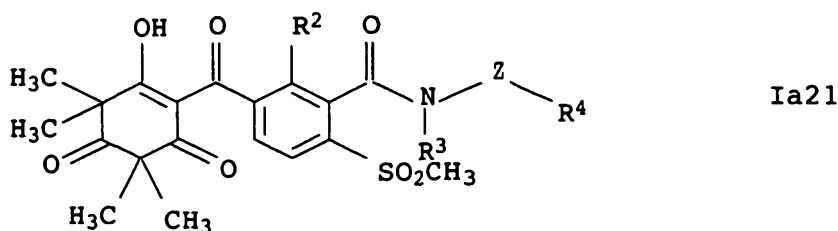
92

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- The compounds Ia21, especially the compounds Ia21.1-Ia21.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is methylsulfonyl, R¹¹, R¹², R¹⁵ and R¹⁶ are in each case methyl and the CR¹³R¹⁴ unit is replaced by C=O:

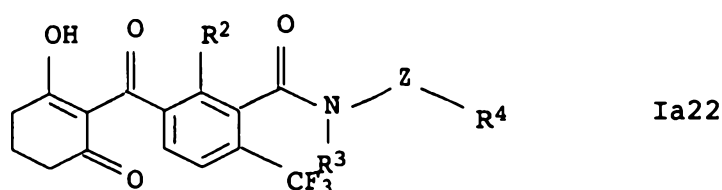
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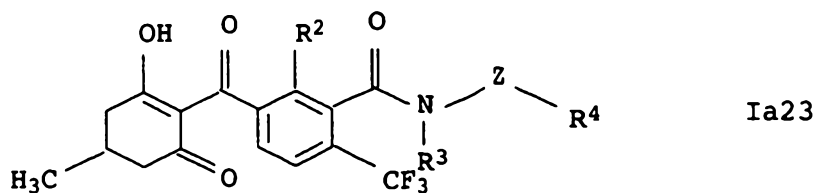
- The compounds Ia22, especially the compounds Ia22.1-Ia22.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is trifluoromethyl:

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- The compounds Ia23, especially the compounds Ia23.1-Ia23.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is trifluoromethyl and R¹³ is methyl:

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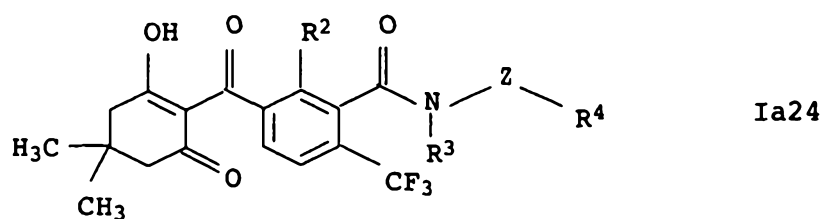


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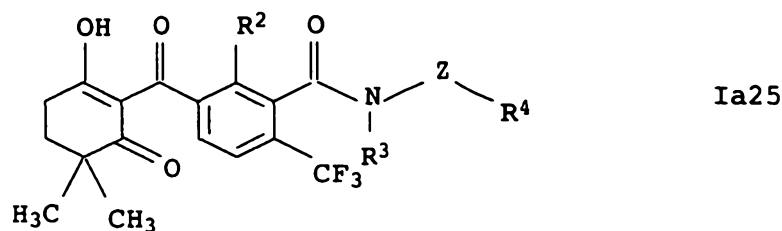


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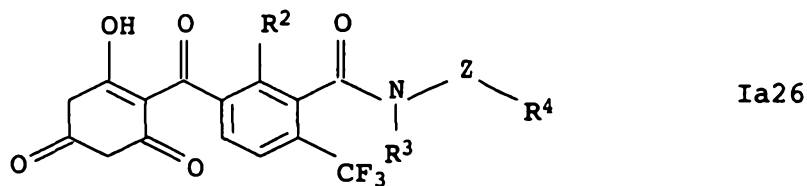
- The compounds Ia24, especially the compounds Ia24.1-Ia24.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^1 is trifluoromethyl and R^{13} and R^{14} are in each case methyl:



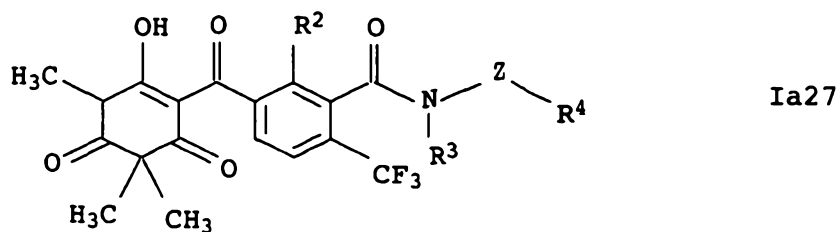
- The compounds Ia25, especially the compounds Ia25.1-Ia25.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^1 is trifluoromethyl and R^{15} and R^{16} are in each case methyl:



- The compounds Ia26, especially the compounds Ia26.1-Ia26.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^1 is trifluoromethyl and the $CR^{13}R^{14}$ unit is replaced by $C=O$:

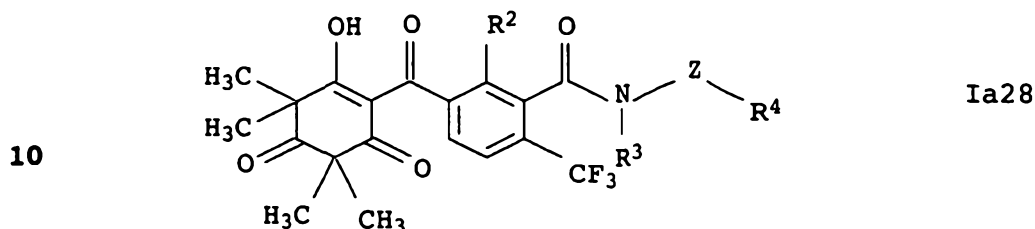


- The compounds Ia27, especially the compounds Ia27.1-Ia27.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R^1 is trifluoromethyl, R^{11} , R^{15} and R^{16} are in each case methyl and the $CR^{13}R^{14}$ unit is replaced by $C=O$:

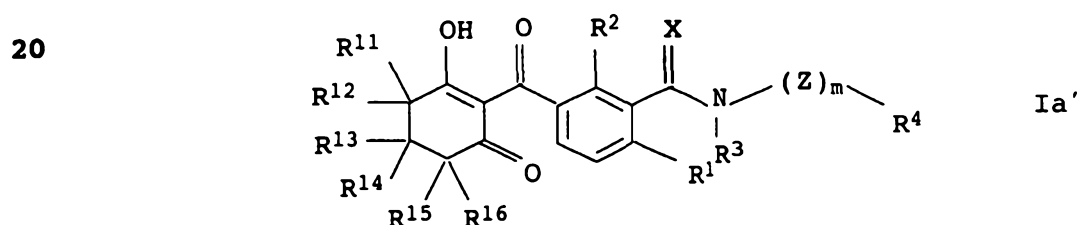


94

- The compounds Ia28, especially the compounds Ia28.1-Ia28.2790, which differ from the corresponding compounds Ia1.1-Ia1.2790 by the fact that R¹ is trifluoromethyl, R¹¹, R¹², R¹⁵ and R¹⁶ are in each case methyl and the CR¹³R¹⁴ unit is replaced by C=O:



- 15 Very most particularly extraordinarily preferred compounds are the compounds of the formula Ia' ($\hat{=}$ I, where R¹ is bonded in position 4 of the phenyl ring and R² is bonded in position 2 of the phenyl ring)



where the variables have the following meanings:

- R¹ is halogen or C₁-C₄-alkylsulfonyl;
- 30 R² is halogen or C₁-C₄-alkyl;
- R³ is hydrogen or C₁-C₄-alkyl;
- 35 R⁴ is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, it being possible for the two last-mentioned substituents to be partially or fully halogenated and/or to have attached to them one to three of the following groups: phenyl, phenyl-C₁-C₄-alkyl, hetaryl or phenoxy, it being possible for the 4 last-mentioned radicals in turn to be partially or fully halogenated;
- 40 X is oxygen;
- Z is oxygen or NH;
- 45 m is 0 or 1;



95

 $R^{11}, R^{12}, R^{14}, R^{15}, R^{16}$ are hydrogen or C_1 - C_4 -alkyl;

5 R^{13} is hydrogen, C_1 - C_4 -alkyl, tetrahydropyran-3-yl,
tetrahydrothiopyran-3-yl or 1,4-dioxan-2-yl;

If desired, the $CR^{13}R^{14}$ unit can be replaced by $C=O$.

10 The 2-benzoylcyclohexane-1,3-diones of the formula I are
obtainable by various routes, for example by the following
process:

15 Reaction of cyclohexanediones of the formula II with an activated
carboxylic acid $III\alpha$ or a carboxylic acid $III\beta$ which is preferably
activated in situ, to give the acylation product IV, followed by
a rearrangement reaction.

20

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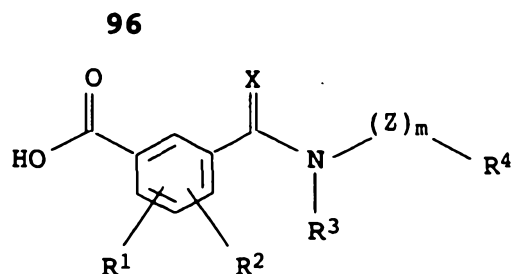
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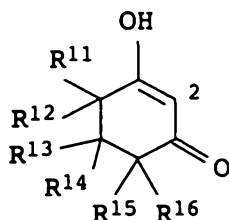
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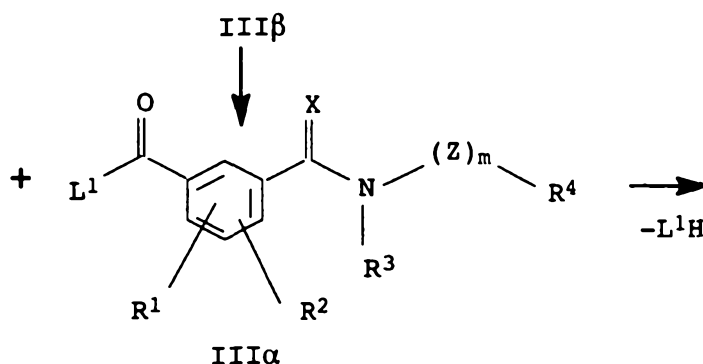
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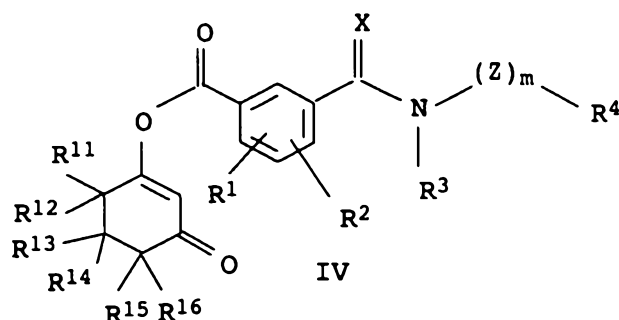
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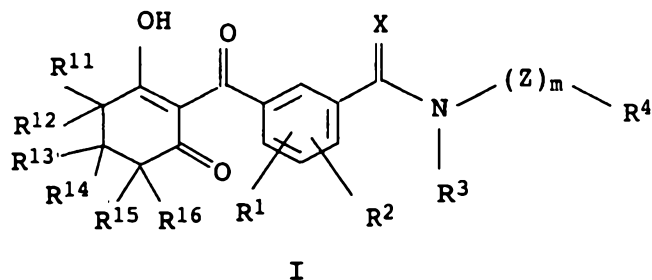
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³⁵ L¹ is a nucleophilically displaceable leaving group such as halogen, eg. bromine, chlorine, hetaryl, eg. imidazolyl, pyridyl, carboxylate, eg. acetate, trifluoroacetate and the like.

The activated carboxylic acid can be employed directly, as in the case of the carboxylic acid halides, or generated in situ, for example with dicyclohexylcarbodiimide, triphenylphosphine/azodicarboxylic ester, 2-pyridine disulfite/triphenylphosphine, carbonyldiimidazole and the like.

45 It may be advantageous to carry out the acylation reaction in the presence of a base. The reactants and the auxiliary base are expediently employed in equimolar amounts for this purpose. A



small excess mount of the auxiliary base, for example 1.2 to 1.5 mol equivalents based on II, may be advantageous under certain circumstances.

- 5 Suitable auxiliary bases are tertiary alkylamines, pyridine or alkali metal carbonates. Examples of solvents which can be used are chlorinated hydrocarbons such as methylene chloride, 1,2-dichloroethane, aromatic hydrocarbons such as toluene, xylene, chlorobenzene, ethers such as diethyl ether, methyl
- 10 tert-butyl ether, tetrahydrofuran, dioxane, polar aprotic solvents such as acetonitrile, dimethylformamide, dimethyl sulfoxide or esters such as ethyl acetate, or mixtures of these.
- 15 If carboxylic acid halides are employed as activated carboxylic acid component, it may be expedient to cool the reaction mixture to 0-10°C when adding this reactant. The mixture is subsequently stirred at 20 - 100°C, preferably at 25 - 50°C, until the reaction is complete. Working-up is carried out in the customary manner,
- 20 for example the reaction mixture is poured into water and the product of value is extracted. Solvents which are especially suitable for this purpose are methylene chloride, diethyl ether and ethyl acetate. After the organic phase has been dried and the solvent removed, the crude enol ester of the formula IV is purified, preferably by chromatography. However, it is also
- 25 possible to employ the crude enol ester of the formula IV in the rearrangement reaction without further purification.

The enol esters of the formula IV are expediently subjected to a

30 rearrangement reaction to give the compounds of the formula I at from 20 to 40°C in a solvent and in the presence of an auxiliary base and with the aid of, or without, a cyano compound as catalyst.

- 35 Solvents which can be used are, for example, acetonitrile, methylene chloride, 1,2-dichloroethane, ethyl acetate, toluene, or mixtures of these. The preferred solvent is acetonitrile.

Suitable auxiliary bases are tertiary amines such as

40 triethylamine, pyridine or alkali metal carbonates such as sodium carbonate, potassium carbonate, which are preferably employed in equimolar amounts or up to a fourfold excess, based on the enol ester. By preference, triethylamine is used, preferably in twice the equimolar ratio based on the enol ester.

45

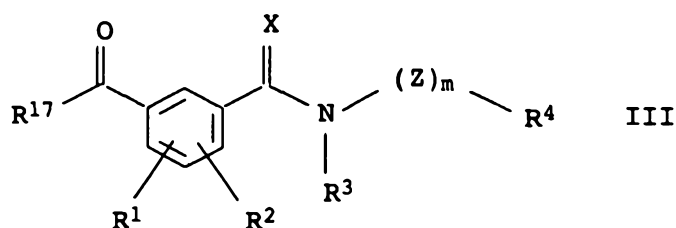


Suitable as "rearrangement catalysts" are inorganic cyanides such as sodium cyanide, potassium cyanide, and organic cyano compounds such as acetone cyanohydrin, trimethylsilyl cyanide. They are normally employed in an amount of from 1 to 50 mol percent, based on the enol ester. It is preferred to employ acetone cyanohydrin or trimethylsilyl cyanide, for example in an amount of from 5 to 15, preferably 10, mol percent based on the enol ester.

Work-up can be carried out in a manner known per se. For example, the reaction mixture is acidified with dilute mineral acid, eg. 5% strength hydrochloric acid or sulfuric acid, and extracted with an organic solvent, eg. methylene chloride, ethyl acetate. The organic extract can be extracted with 5-10% strength alkali metal carbonate solution, eg. sodium carbonate solution, potassium carbonate solution. The aqueous phase is acidified and the resulting precipitate filtered off with suction and/or extracted with methylene chloride or ethyl acetate, dried and concentrated. (Examples of the synthesis of enol esters of cyclohexane-1,3-diones and of the cyanide-catalyzed rearrangement reaction of the enol esters are mentioned, for example, in EP-A 186 118, US 4 780 127).

Those cyclohexane-1,3-diones of the formula II which are used as starting materials and which are not already known can be prepared by processes known per se (for example EP-A 71 707, EP-A 142 741, EP-A 243 313, US 4 249 937; WO 92/13821).

Novel benzoic acid derivatives of the formula III



are those where the variables have the following meanings:

- R^1, R^2 are hydrogen, nitro, halogen, cyano, thiocyanato, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, $-OR^5$, $-OCOR^6$, $-OSO_2R^6$, $-SH$, $-S(O)_nR^7$, $-SO_2OR^5$, $-SO_2NR^5R^8$, $-NR^8SO_2R^6$ or $-NR^8COR^6$;



99

- R³ is hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl;
- 5 R⁴ is hydrogen, C₁-C₆-alkyl, C₃-C₆-cycloalkyl, C₃-C₆-alkenyl, C₄-C₆-cycloalkenyl, C₃-C₆-alkynyl, -COR⁹, -CO₂R⁹, -COSR⁹ or -CONR⁸R⁹, it being possible for the abovementioned alkyl, cycloalkyl, alkenyl, cycloalkenyl and alkynyl radicals and for R⁹ of the radicals -COR⁹, -CO₂R⁹, -COSR⁹ and -CONR⁸R⁹ to be partially or fully halogenated and/or to have attached to them one to three of the following groups:
- 10 hydroxyl, mercapto, amino, cyano, R¹⁰, -OR¹⁰, -SR¹⁰, -NR⁸R¹⁰, =NOR¹⁰, -OCOR¹⁰, -SCOR¹⁰, -NR⁸COR¹⁰, -CO₂R¹⁰, -COSR¹⁰, -CONR⁸R¹⁰, C₁-C₄-alkyliminooxy, C₁-C₄-alkoxyamino, C₁-C₄-alkylcarbonyl, C₁-C₄-alkoxy-C₂-C₆-alkoxycarbonyl, C₁-C₄-alkylsulfonyl, heterocyclyl, heterocyclyloxy, phenyl, phenyl-C₁-C₄-alkyl, hetaryl, phenoxy, phenyl-C₁-C₄-alkoxy and hetaryloxy, it being possible for the eight last-mentioned radicals, in turn, to be substituted;
- 20
- X is oxygen or sulfur;
- 25 Z is oxygen or NR⁸;
- m is 0 or 1;
- 30 n is 0, 1 or 2;
- R⁵ is hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy-C₂-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl;
- 35 R⁶ is C₁-C₆-alkyl or C₁-C₆-haloalkyl;
- R⁷ is C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₄-C₆-alkoxy-C₂-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl;
- 40 R⁸ is hydrogen or C₁-C₆-alkyl;
- R⁹ is C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, phenyl or benzyl;



100

R^{10} is C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_3 - C_6 -alkenyl or C_3 - C_6 -alkynyl;

5 R^{17} is hydroxyl or a radical which can be removed by hydrolysis,

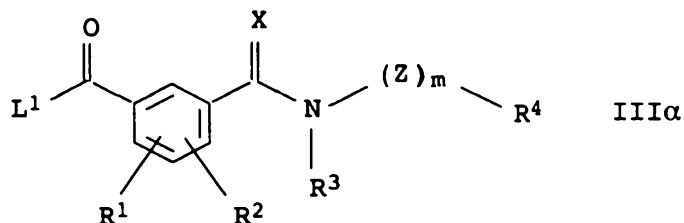
where m is 1 if R^3 is hydrogen.

10 Examples of radicals which can be removed by hydrolysis are alkoxy, phenoxy, alkylthio and phenylthio radicals which are unsubstituted or substituted, halides, hetaryl radicals which are bonded via nitrogen, amino radicals, imino radicals which are unsubstituted or substituted.

15

Preferred are benzoic acid halides $III\alpha$, where $L^1 = \text{halogen}$ ($\hat{=}$ III where $R^{17} = \text{halogen}$),

20



25

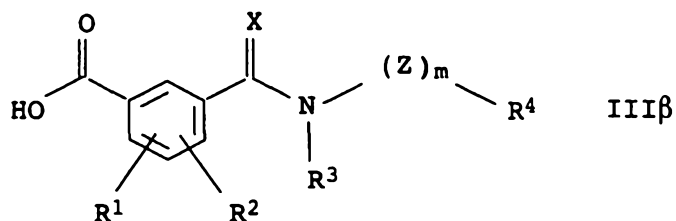
where the variables R^1 to R^4 , X , Z and m have the meanings given under formula III and

L^1 is halogen, in particular chlorine or bromine.

30

Equally preferred are the benzoic acids of the formula $III\beta$ ($\hat{=}$ III where $R^{17} = \text{hydroxyl}$),

35

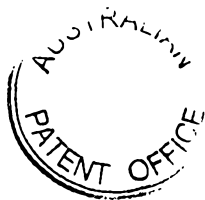


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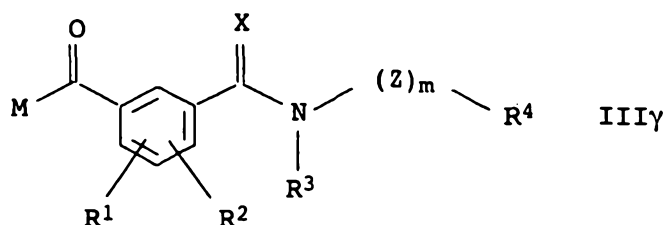
where the variables R^1 to R^4 , X , Z and m have the meanings given under formula III.

Equally preferred are the benzoic esters of the formula $III\gamma$

45 ($\hat{=}$ III where $M = C_1$ - C_6 -alkoxy)



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10 where the variables R^1 to R^4 , X , Z and m have the meanings given under formula III and

M is C_1 - C_6 -alkoxy;

15 The particular embodiments of the benzoic esters of the formula III with reference to the variables R^1 to R^4 , X , Z and M correspond to those of the 2-benzoylcyclohexane-1,3-diones of the formula I.

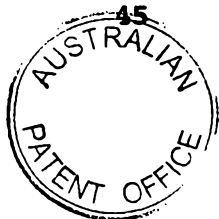
20 The compounds of the formula IIIα (where L^1 = halogen) can be synthesized by reacting benzoic acids of the formula IIIβ with halogenating reagents such as thionyl chloride, thionyl bromide, phosgene, diphosgene, triphosgene, oxalyl chloride, oxalyl bromide by methods similar to those known from the literature (cf. L.G. Fieser, M. Fieser "Reagents for Organic Synthesis", 25 Vol. I (1967), pp. 767-769.

The benzoic acids of the formula IIIβ can be obtained, inter alia, by hydrolyzing the benzoic esters of the formula IIIγ (where M = C_1 - C_6 -alkoxy) by methods similar to those known from the 30 literature.

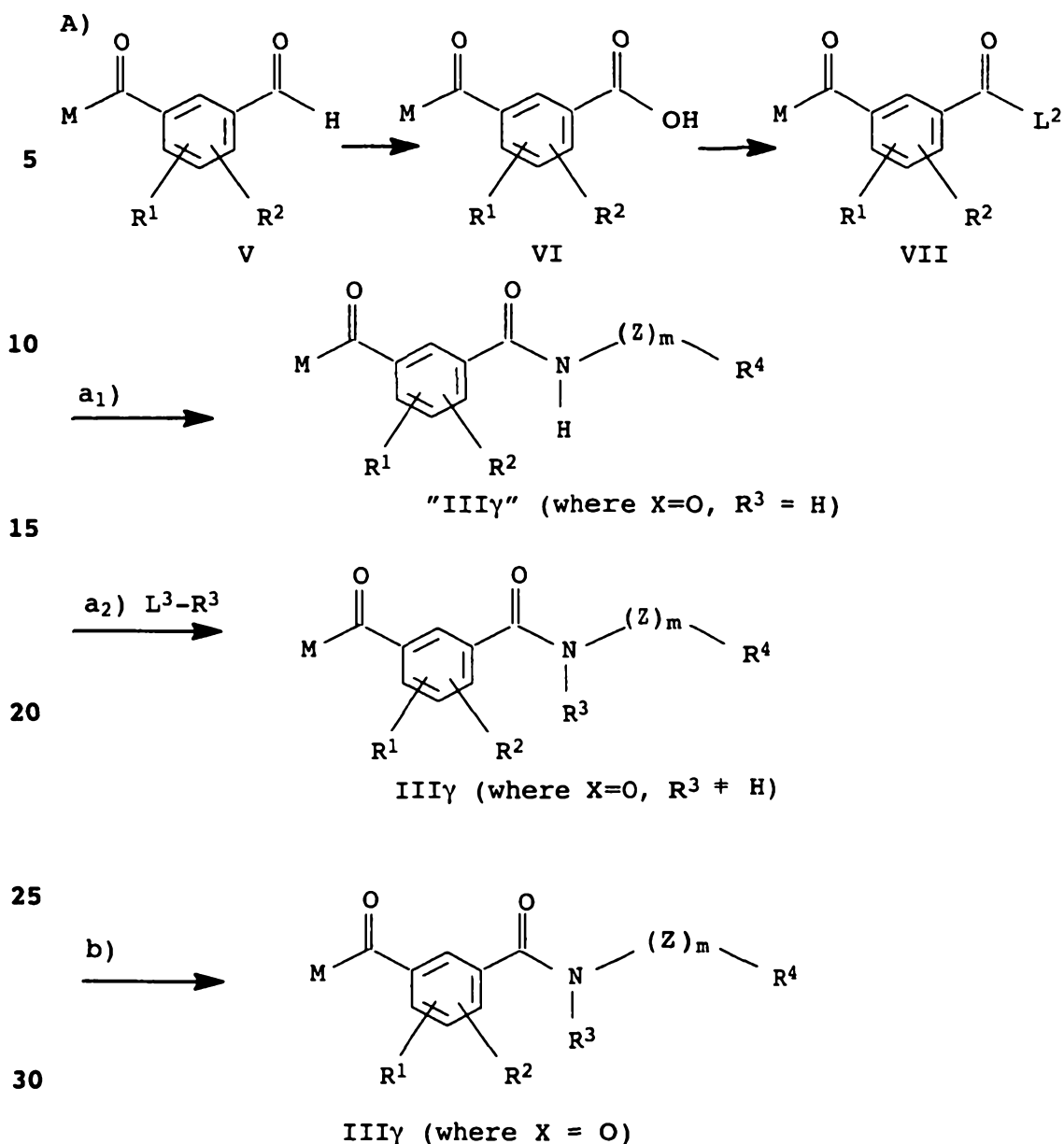
The benzoic esters of the formula IIIγ (where X = oxygen) are obtainable by various routes, for example by the following processes:

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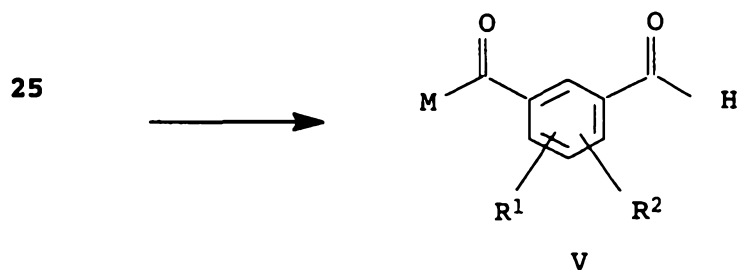
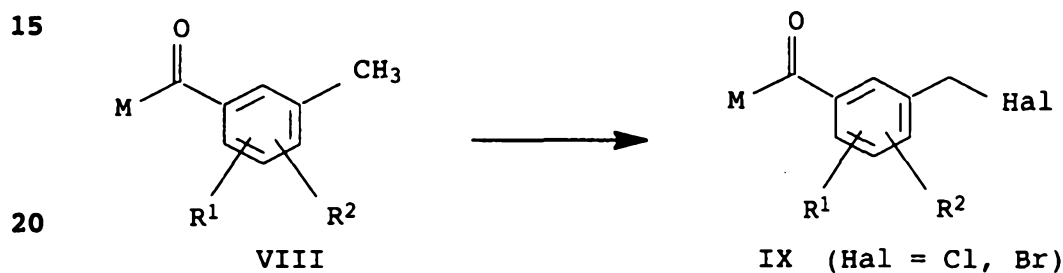
Isophthalic acid derivatives of the formula VI can be obtained in a manner known per se by oxidizing aldehydes of the formula V (J. March, "Advanced Organic Chemistry", 3rd Edition (1985), p. 629 et seq., Wiley-Interscience Publication).

Methods which are similar to those known from the literature can be used for first converting the compounds of the formula VI into the corresponding activated carboxylic acids VII where L^2 is a nucleophilically displaceable leaving group such as halogen, eg. bromine, chlorine, hetaryl, eg. imidazolyl, pyridyl, carboxylate, eg. acetate, trifluoroacetate and the like. Then, in case a_1) the product is reacted with an amino, hydroxylamine or hydrazine derivative, where R^3 is hydrogen. Subsequent alkylation (a_2) gives corresponding amide, hydroxamic acid or carbohydrazide

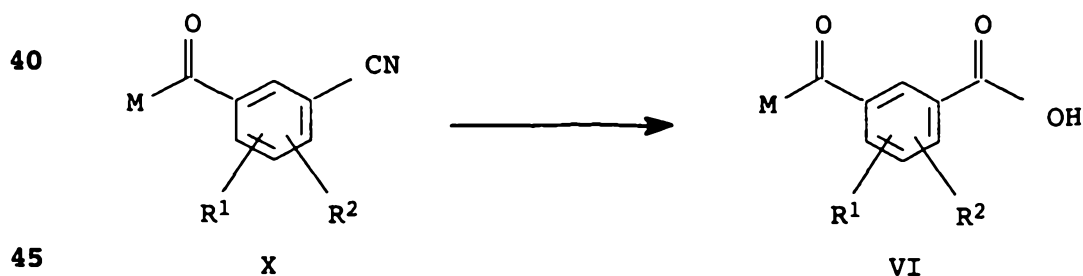


derivatives of the formula III γ (where $X = O$ and $R^3 \neq H$) (where L^3 has the meaning given under L^2) (J. Org. Chem. (1971), 31, 284-294; J. Chem. Soc. Perk. II (1977), 1080-1084; Australian J. Chem. (1969), 22, 161-173; *ibid* (1974), 27, 1341-1349). In case 5 b), the end product is obtained by direct reaction with $R^3NH-(Z)_m-R^4$ (cf. Australian J. Chem. (1974), 27, 1341-1349).

The aldehydes of the formula V can be synthesized from the corresponding toluenes of the formula VIII by processes similar 10 to those known from the literature by converting them into the ω -halotoluene IX and subsequently oxidizing the product (cf. Synth. Commun. 22 (1992), 1967-1971).

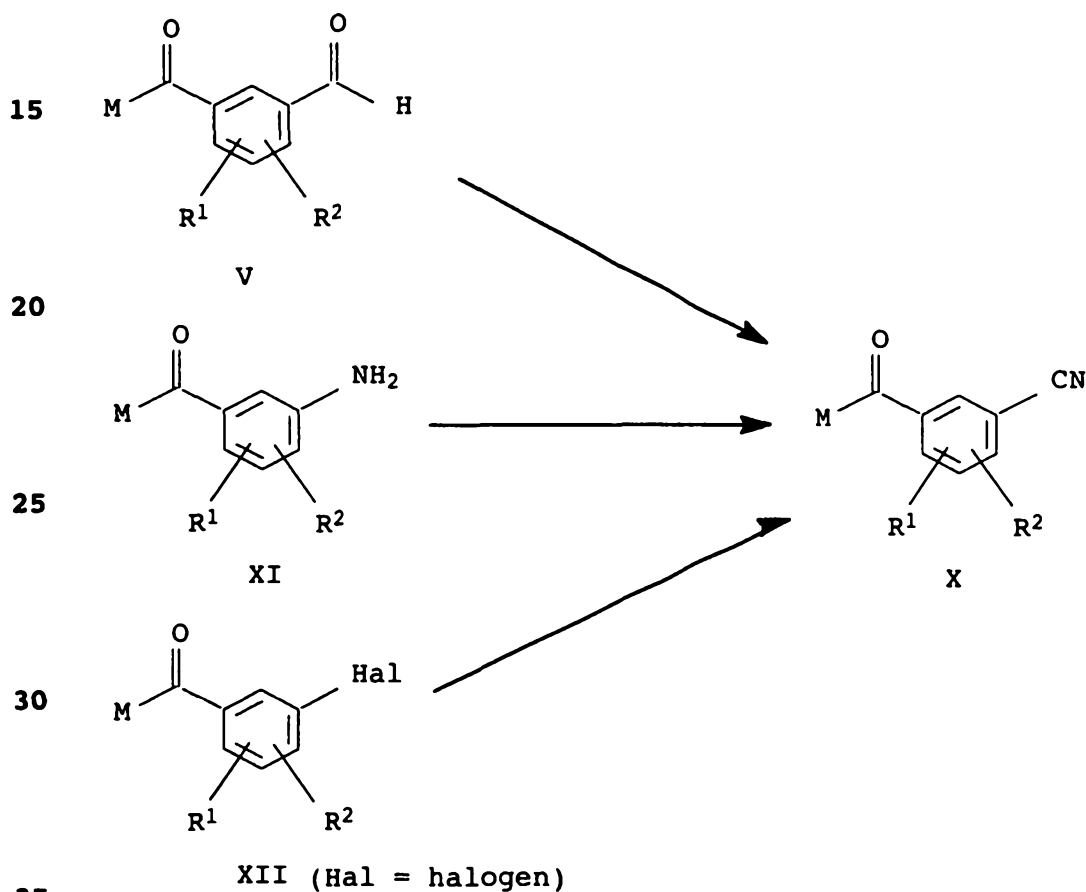


The carboxylic acids of the formula VI are accessible by hydrolyzing nitriles of the formula X by processes known from the literature (J. March, "Advanced Organic Chemistry", 3rd Edition 35 (1970), p. 788, Wiley-Interscience Publication, 1985; Ann. Chem. (1970), p. 23-37).



The nitriles of the formula X can be synthesized from the corresponding aldehydes V by processes similar to those known from the literature (J. March, "Advanced Organic Chemistry", 3rd Edition (1985), pp. 806-807, Wiley-Interscience Publication).

- 5 Equally, it is possible to obtain nitriles of the formula X from anilines of the formula XI by means of Sandmeyer reaction or from aryl halides of the formula XII by Rosemund/von Braun reaction with metal cyanides, in particular CuCN (J. March, "Advanced Organic Chemistry", 1985, 3rd Edition, p. 594, p. 648,
10 Wiley-Interscience Publication).



Preparation Examples

- 40 2-[2,4-Dichloro-3-(N-ethyl-N-propoxyaminocarbonyl)benzoyl]-1,3-cyclohexanedione (compound 2.03)

2.20 g (0.0065 mol) of 2,4-dichloro-3-(N-ethyl-N-propoxyaminocarbonyl)benzoyl chloride were added to a solution
45 of 0.71 g (0.0070 mol) of triethylamine and 0.79 g (0.0070 mol) of 1,3-cyclohexanedione in 50 ml of methylene chloride. After the reaction solution had been stirred for 2 hours at room



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temperature, the solvent was removed in vacuo. The residue was purified by means of silica gel chromatography (eluent: toluene/ethyl acetate = 8/2). The resulting enol ester was taken up in 50 ml of acetonitrile, and 0.50 g (0.0049 mol) of triethylamine and 0.10 g (0.0010 mol) of trimethylsilyl cyanide were added. After the mixture had been stirred for 3 hours at room temperature, the solvent was removed and the residue was taken up in methylene chloride. The organic phase was washed with dilute phosphoric acid, dried and concentrated. This gave 1.20 g of 2-[2,4-dichloro-3-(N-ethyl-N-propoxyaminocarbonyl)benzoyl]-1,3-cyclohexanedione, which was extracted by stirring with diethyl ether. (m.p.: 180-183°C)

15 Besides the 2-benzoylcyclohexane-1,3-dione of the formula I described above, other substances which were, or can be, prepared in a similar manner are listed in Table 2 which follows:

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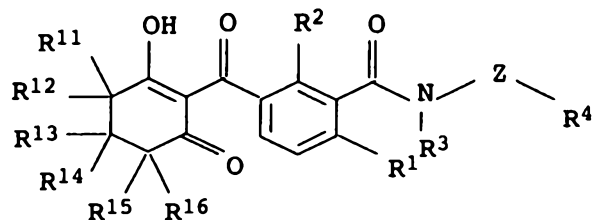
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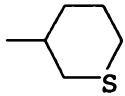
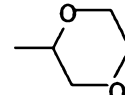
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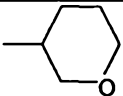
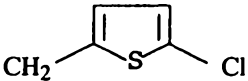
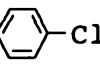
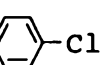
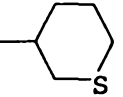


Table 2



Ia

No.	Z	R ¹	R ²	R ³	R ⁴	R ¹¹	R ¹²	R ¹³	R ¹⁴	R ¹⁵	R ¹⁶	Physical data m.p. [°C]
2.01	O	Cl	Cl	CH ₃	CH ₃	H	H	H	H	H	H	127-128
2.02	O	Cl	Cl	CH ₃	CH ₂ -(4-Cl-C ₆ H ₄)	H	H	H	H	H	H	182-183
2.03	O	Cl	Cl	CH ₂ CH ₃	(CH ₂) ₂ CH ₃	H	H	H	H	H	H	182-183
2.04	O	Cl	Cl	CH ₃	(CH ₂) ₂ CH ₃	H	H	H	H	H	H	177-178
2.05	O	Cl	Cl	CH ₃	CH ₂ -(4-Cl-C ₆ H ₄)	H	H		H	H	H	> 200
2.06	O	Cl	Cl	CH ₃	CH ₂ -(4-Cl-C ₆ H ₄)	CH ₃	CH ₃	= O		CH ₃	CH ₃	185-200
2.07	O	Cl	Cl	CH ₃	CH ₂ -(4-Cl-C ₆ H ₄)	H	H		H	H	H	165-187

No.	Z	R ¹	R ²	R ³	R ⁴	R ¹¹	R ¹²	R ¹³	R ¹⁴	R ¹⁵	R ¹⁶	Physical data m.p. [°C]
2.08	O	Cl	Cl	CH ₃	(CH ₂) ₂ CH ₃	H	H		H	H	H	50-55
2.09	O	Cl	Cl	CH ₃		H	H	H	H	H	H	159-166
2.10	O	Cl	Cl	CH ₃	CH ₂ CH(CH ₃)O- 	H	H	H	H	H	H	60-67
2.11	O	Cl	Cl	CH ₃	CH ₂ CH(CH ₃)O- 	H	H		H	H	H	157-163
2.12	O	SO ₂ CH ₃	Cl	CH ₃	CH ₃	CH ₃	CH ₃	= O		CH ₃	CH ₃	190-210
2.13	O	SO ₂ CH ₃	Cl	CH ₃	CH ₃	H	H	H	H	H	H	> 200
2.14	O	SO ₂ CH ₃	Cl	CH ₃	CH ₃	H	H	H	H	CH ₃	CH ₃	> 200
2.15	O	SO ₂ CH ₃	Cl	CH ₃	CH ₃	H	H	CH ₃	CH ₃	H	H	> 200
2.16	O	SO ₂ CH ₃	Cl	CH ₂ CH ₃	CH ₃	H	H	H	H	H	H	160-175
2.17	O	SO ₂ CH ₃	Cl	CH ₂ CH ₃	CH ₂ CH ₃	H	H	H	H	H	H	72-80
2.18	O	SO ₂ CH ₃	Cl	CH ₃	CH ₂ CH ₃	H	H	H	H	H	H	75-113
2.19	O	SO ₂ CH ₃	Cl	H	(E)-CH ₂ CH=CHCl	H	H	H	H	H	H	177-180
2.20	O	SO ₂ CH ₃	Cl	CH ₃	(E)-CH ₂ CH=CHCl	H	H	H	H	H	H	195-197
2.21	NH	SO ₂ CH ₃	Cl	CH ₃	H	H	H	H	H	H	H	168-178
2.22	-	SO ₂ CH ₃	Cl	CH ₃	CH ₃	H	H	H	H	H	H	200-201



No.	Z	R ¹	R ²	R ³	R ⁴	R ¹¹	R ¹²	R ¹³	R ¹⁴	R ¹⁵	R ¹⁶	Physical data m.p. [°C]
2.23	-	SO ₂ CH ₃	Cl	CH ₃	CH ₃	H	H	CH ₃	CH ₃	H	H	160-162
2.24	-	SO ₂ CH ₃	Cl	CH ₃	CH ₃	H	H	H	H	CH ₃	CH ₃	194-197
2.25	-	SO ₂ CH ₃	CH ₃	CH ₃	CH ₃	CH ₃	CH ₃	= O		CH ₃	CH ₃	75-130
2.26	-	SO ₂ CH ₃	CH ₃	CH ₃	CH ₃	H	H	CH ₃	CH ₃	H	H	170-181
2.27	-	Cl	Cl	CH ₃	CH ₂ CH ₃	H	H	H	H	H	H	193-198
2.28	O	SO ₂ CH ₃	Cl	CH ₂ CH ₃	CH ₃	H	H	CH ₃	CH ₃	H	H	154-155
2.29	O	SO ₂ CH ₃	Cl	H	CH ₃	H	H	H	H	H	H	164-168
2.30	-	SO ₂ CH ₃	Cl	(CH ₂) ₂ CH ₃	H	H	H	H	H	H	H	164-168
2.31	-	SO ₂ CH ₃	Cl	CH ₃	H	H	H	H	H	H	H	180-183
2.32	-	SO ₂ CH ₃	Cl	CH ₃	H	CH ₃	CH ₃	H	H	H	H	> 200

The syntheses of some starting materials are given below:

5 Methyl 2-chloro-3-(N-ethoxy-N-methylaminocarbonyl)-4-methylsulfonylbenzoate (compound 3.29)

Step a) 2-Chloro-3-methyl-4-methylthioacetophenone

10 A solution of 157 g (2 mol) of acetyl chloride in 420 ml of 1,2-dichloroethane was added dropwise at 15-20°C to a suspension of 286 g (2.14 mol) of aluminum trichloride in 420 ml of 1,2-dichloroethane. A solution of 346 g (2 mol) of 2-chloro-6-methylthiotoluene in 1 l of
15 1,2-dichloroethane was subsequently added dropwise. After the reaction mixture had been stirred for 12 hours, it was poured into a mixture of 3 l of ice and 1 l of concentrated HCl. The mixture was extracted with methylene chloride, and the organic phase was washed with
20 water, dried with sodium sulfate and concentrated. The residue was distilled in vacuo. This gave 256 g (60% of theory) of 2-chloro-3-methyl-4-methylthioacetophenone. (m.p.: 46°C)

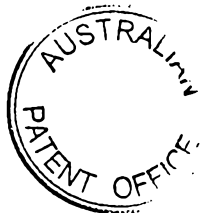
25 Step b) 2-Chloro-3-methyl-4-methylsulfonylacetophenone

163.0 g (0.76 mol) of 2-chloro-3-methyl-4-methylthioacetophenone were dissolved in 1.5 l of glacial acetic acid, 18.6 g of sodium tungstate were added, and 173.3 g
30 of 30% strength hydrogen peroxide solution were added dropwise with cooling. Stirring was continued for 2 days and the mixture was subsequently diluted with water. The solid which had precipitated was filtered off with suction, washed with water and dried. This gave 164.0 g
35 (88% of theory) of 2-chloro-3-methyl-4-methylsulfonylacetophenone. (m.p.: 110-111°C)

40 Step c) 2-Chloro-3-methyl-4-methylsulfonylbenzoic acid

82 g (0.33 mol) of 2-chloro-3-methyl-4-methylsulfonylacetophenone were dissolved in 700 ml of dioxane, and 1 l of a 12.5% strength sodium hypochlorite solution was added at room temperature. Stirring was subsequently continued for 1 hour at 80°C. After cooling, two phases formed, of which the bottom phase was diluted with water

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and acidified weakly. The solid which precipitated was filtered off with suction, washed with water and dried. This gave 60 g (73% of theory) of 2-chloro-3-methyl-4-methylsulfonylbenzoic acid.

5 (m.p.: 230-231°C)

Step d) Methyl 2-chloro-3-methyl-4-methylsulfonylbenzoate

10 100 g (0.4 mol) of 2-chloro-3-methyl-4-methylsulfonylbenzoic acid were dissolved in 1 l of methanol and hydrogen chloride gas was passed in for 5 hours at reflux temperature. The mixture was subsequently concentrated. This gave 88.5 g (84% of theory) of methyl 2-chloro-3-methyl-4-methylsulfonylbenzoate.

15 (m.p.: 107-108°C)

Step e) Methyl 3-bromomethyl-2-chloro-4-methylsulfonylbenzoate

20 82 g (0.31 mol) of methyl 2-chloro-3-methyl-4-methylsulfonylbenzoate were dissolved in 2 l of tetrachloromethane, 56 g (0.31 mol) of N-bromosuccinimide were added, a little at a time, with exposure to light. The reaction mixture was filtered, the filtrate was concentrated, and the residue was taken up in 200 ml of methyl tert-butyl ether. The solution was treated with petroleum ether, and the solid which precipitated was filtered off with suction and dried. This gave 74.5 g (70% of theory) of methyl 3-bromomethyl-2-chloro-4-methylsulfonylbenzoate.

30 (m.p.: 74-75°C)

Step f) Methyl 2-chloro-3-formyl-4-methylsulfonylbenzoate

35 42.1 g (0.36 mol) of N-methylmorpholine-N-oxide were added to a solution of 41.0 g (0.12 mol) of methyl 3-bromomethyl-2-chloro-4-methylsulfonylbenzoate in 250 ml of acetonitrile. The batch was stirred for 12 hours at room temperature and subsequently concentrated, and the residue was taken up in ethyl acetate. The solution was extracted with water, dried with sodium sulfate and concentrated. This gave 31.2 g (94% of theory) of methyl 2-chloro-3-formyl-4-methylsulfonylbenzoate

40 (m.p.: 98-105°C)

45



Step g) Methyl 2-chloro-3-hydroxycarbonyl-4-methylsulfonylbenzoate

13.8 g (0.11 mol) of sodium hydrogen phosphate monohydrate in 170 ml of water, 49.3 g (0.43 mol) of 30% strength hydrogen peroxide solution and 66.2 g (0.59 mol) of 80% strength aqueous sodium chlorite solution were added in succession at 5°C to a solution of 115.3 g (0.42 mol) of methyl 2-chloro-3-formyl-4-methylsulfonylbenzoate and [sic] 2000 ml of acetonitrile. The reaction solution was stirred for 1 hour at 5°C and for 12 hours at room temperature. Then, the pH was brought to 1 with 10% strength hydrochloric acid, and 1500 ml of aqueous 40% strength sodium hydrogen sulfite solution were added. After the mixture had been stirred for 1 hour at room temperature, the aqueous phase was extracted three times with ethyl acetate. The combined organic phases were washed with sodium hydrogen sulfite solution and dried. After the solvent had been distilled off, 102.0 g of methyl 2-chloro-3-hydroxycarbonyl-4-methylsulfonylbenzoate were obtained.
(¹H NMR (d⁶-DMSO, δ in ppm): 3.34 (s, 3H); 3.93 (s, 3H); 8.08 (s, 2H); 14.50 (s, br., 1H))

Step h) Methyl 2-chloro-3-chlorocarbonyl-4-methylsulfonylbenzoate

2 drops of dimethylformamide and 11.9 g (0.1 mol) of thionyl chloride were added to a solution of 6.0 g (0.021 mol) of methyl 2-chloro-3-hydroxycarbonyl-4-methylsulfonylbenzoate and [sic] 50 ml of dry toluene. The solution was refluxed for 4 hours. After the solvent had been removed in vacuo, 6.2 g of methyl 2-chloro-3-chlorocarbonyl-4-methylsulfonylbenzoate were obtained.
(¹H NMR (CDCl₃; δ in ppm): 3.21 (s, 3H); 4.02 (s, 3H); 8.02 (d, 1H); 8.07 (d, 1H))

Step i) Methyl 2-chloro-3-N-ethoxyaminocarbonyl-4-methylsulfonylbenzoate (compound 3.28)

11.70 g (0.120 mol) of O-ethyl hydroxylamine hydrochloride and 12.10 g (0.120 mol) of triethylamine were added at room temperature to a solution of 26.40 g (0.085 mol) of methyl 2-chloro-3-chlorocarbonyl-4-methylsulfonylbenzoate and [sic] 300 ml of dichloromethane. After the reaction solution had been stirred for 4 hours at room temperature, it was washed



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with dilute hydrochloric acid, dried and concentrated. The resulting residue was extracted by stirring with diethyl ether. This gave 25.00 g of methyl 2-chloro-3-N-ethoxyaminocarbonyl-4-methylsulfonylbenzoate.
(m.p.: 90-110°C)

Step j) Methyl 2-chloro-3-(N-ethoxy-N-methylaminocarbonyl)-4-methylsulfonylbenzoate (compound 3.29)

A mixture of 20.00 g (0.060 mol) of methyl 2-chloro-3-N-ethoxyaminocarbonyl-4-methylsulfonylbenzoate and 16.60 g (0.120 mol) of potassium carbonate in 200 ml of dimethylformamide was stirred for 30 minutes at room temperature. 25.60 g (0.180 mol) of methyl iodide were subsequently added dropwise, and the mixture was stirred for 5 hours at 50°C. After the reaction mixture had cooled, it was stirred into 1 l of ice-water, the aqueous phase was extracted with ethyl acetate, and the combined organic phases were dried and concentrated. The residue was chromatographed on silica gel (eluent: toluene/ethyl acetate = 8/2). This gave 3.80 g of methyl 2-chloro-3-(N-ethoxy-N-methylaminocarbonyl)-4-methylsulfonylbenzoate.

2,4-Dichloro-3-(N-ethyl-N-propoxy)aminocarbonylbenzoyl chloride (compound 3.21)

Step a) 2,4-Dichloro-3-methylacetophenone

235.0 g (3.0 mol) of acetyl chloride were added dropwise in the course of 2 hours to a solution of 502.0 g (3.12 mol) of 2,6-dichlorotoluene and [sic] 408.0 g (3.06 mol) of aluminum trichloride at 100°C, with stirring. After the reaction mixture had been stirred for 2 hours at 100-105°C, it was cooled and poured onto 3 l of ice and 1 l of water. The solid which precipitated in this process was filtered off with suction and washed to neutrality with 800 ml of water. After drying at 40°C, 500.0 g of 2,4-dichloro-3-methylacetophenone were obtained as crude product, which was subsequently distilled under a high vacuum.
(b.p.: 121-128°C (4 mbar))



Step b) 2,4-Dichloro-3-methylbenzoic acid

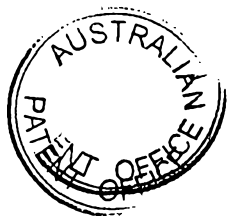
5 Firstly 655.2 g (4.1 mol) of bromine and subsequently
203.0 g (1.0 mol) of 2,4-dichloro-3-methylacetophenone in
1300 ml of 1,4-dioxane were added dropwise at 0-10°C to a
solution of 520.0 g (13 mol) of sodium hydroxide in
2600 ml of water. After the mixture had been stirred for
12 hours, the organic phase was separated off, the
10 aqueous phase was treated with a 30% strength solution
made with sodium pyrosulfite and water, and the pH was
brought to 1 with hydrochloric acid. The precipitate
which had separated out was filtered off with suction,
washed with water and dried in vacuo at 60°C. This gave
15 197.0 g of 2,4-dichloro-3-
methylbenzoic acid.
(m.p.: 173-175°C)

Step c) Methyl 2,4-dichloro-3-methylbenzoate

20 60 ml of concentrated sulfuric acid were added dropwise
to a solution of 424.0 g (2 mol) of
2,4-dichloro-3-methylbenzoic acid and [sic] 1500 ml of
methanol. After the reaction mixture had been refluxed
25 for 5 hours, it was cooled and concentrated in vacuo, and
the residue was subsequently taken up in 1000 ml of
methylene chloride. The organic phase was washed with
water, subsequently with 5% strength sodium hydrogen
carbonate solution and then again with water, dried and
30 concentrated in vacuo. This gave 401.0 g of methyl
2,4-dichloro-3-methylbenzoate.
(b.p: 103-107°C (1-1.5 mbar))

Step d) Methyl 3-bromomethyl-2,4-dichlorobenzoate

35 1.0 g of azobisisobutyronitrile was added to a solution
of 84.0 g (0.38 mol) of methyl 2,4-dichloro-3-
methylbenzoate and 67.6 g (0.38 mol) of
N-bromosuccinimide in 380 ml of carbon tetrachloride.
40 After the reaction mixture had been refluxed for
3.5 hours, it was cooled, and the precipitate formed was
filtered off with suction. The filtrate was concentrated
in vacuo and the resulting residue was extracted by
stirring with methyl tert-butyl ether. This gave 108.0 g
45 of methyl 3-bromomethyl-2,4-dichlorobenzoate.
(m.p.: 51-54°C)



Step e) Methyl 2,4-dichloro-3-formylbenzoate

5 696.2 g (2.97 mol) of aqueous 50% strength
N-methylmorpholine N-oxide solution were added dropwise
under reflux to a solution of 312.0 g (0.99 mol) of
methyl 3-bromomethyl-2,4-dichlorobenzoate in 2 l of
acetonitrile. After the reaction solution had been
10 stirred for 48 hours at room temperature, it was stirred
into 6 l of water. The precipitate which had separated
out was filtered off with suction, washed with water and
dried in vacuo. This gave 141.3 g of methyl
2,4-dichloro-3-formylbenzoate.
15 (¹H NMR (CDCl₃, δ in ppm): 3.98 (s, 3H); 7.47 (d, 1H);
7.84 (d, 1H); 10.48 (s, 1H))

Step f) Methyl 2,4-dichloro-3-hydroxycarbonylbenzoate

20 5.9 g (0.043 mol) of sodium dihydrogen phosphate
monohydrate in 70 ml of water, 20.5 g (0.181 mol) of 30%
strength hydrogen peroxide solution and 27.3 g (0.241
mol) of 80% strength sodium chlorite solution were added
in succession at 5°C to a solution of 40.0 g (0.172 mol)
of methyl 2,4-dichloro-3-formylbenzoate and [sic] 500 ml
25 of acetonitrile. The reaction solution was stirred for
1 hour at 5°C and for 12 hours at room temperature.
Subsequently, a pH of 1 was established with 10% strength
hydrochloric acid, and 500 ml of 40% strength sodium
hydrogen sulfite solution were added. After the mixture
30 had been stirred for 1 hour at room temperature, the
aqueous phase was extracted three times with ethyl
acetate, the combined organic phases were washed with 1.0
l of 10% strength sodium hydrogen sulfite solution and
subsequently dried. After the solvent had been distilled
35 off, 40.0 g of methyl 2,4-dichloro-3-
hydroxycarbonylbenzoate were obtained.
(¹H NMR (d⁶-DMSO, δ in ppm): 3.90 (s, 3H); 7.69 (d, 1H);
7.89 (d, 1H))

40 Step g) Methyl 3-chlorocarbonyl-2,4-dichlorobenzoate

45 2 drops of dimethylformamide and 11.90 g (0.1 mol) of
thionyl chloride were added to a solution of 5.00 g
(0.02 mol) of methyl 2,4-dichloro-3-hydroxycarbonyl-
benzoate and [sic] 50 ml of dry toluene. The solution was
refluxed for 4 hours. After the solvent had been



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distilled off, 5.35 g of methyl 3-chlorocarbonyl-2,4-dichlorobenzoate were obtained.

5 Step h) Methyl 2,4-dichloro-3-(N-propoxy)aminocarbonylbenzoate
(compound 3.17)

10 4.05 g (0.040 mol) of triethylamine and 4.50 g
(0.040 mol) of propoxyamine hydrochloride were added to a
solution of 10.70 g (0.040 mol) of methyl
3-chlorocarbonyl-2,4-dichlorobenzoate and [sic] 200 ml of
dichloromethane. After the reaction solution had been
stirred for 2 hours at room temperature, it was washed
15 with dilute phosphoric acid, dried and concentrated. The
residue obtained was chromatographed on silica gel
(eluent: toluene/ethyl acetate = 9/1). This gave methyl
2,4-dichloro-3-(N-propoxy)aminocarbonylbenzoate.

20 Step i) Methyl 2,4-dichloro-3-(N-ethyl-N-propoxy)-
aminocarbonylbenzoate (compound 3.14)

25 A mixture of 12.50 g (0.041 mol) of methyl
2,4-dichloro-3-(N-propoxy)aminocarbonylbenzoate and
11.30 g (0.082 mol) of potassium carbonate in 100 ml of
dimethylformamide was stirred for 30 minutes at room
temperature. 19.20 g (0.123 mol) of ethyl iodide were
subsequently added dropwise. After the reaction mixture
had been heated for 5 hours at 50°C, it was cooled and
stirred into 1 l of ice-water. The aqueous phase was then
30 extracted with ethyl acetate, the combined organic phases
were dried, and the solvent was distilled off in vacuo.
After the residue had been chromatographed on silica gel
(eluent: toluene/ethyl acetate = 9/1), 7.00 g of methyl
2,4-dichloro-3-(N-ethyl-N-propoxy)aminocarbonylbenzoate
35 were obtained.
(m.p.: 48-50°C).

40 Step j) 2,4-Dichloro-3-(N-ethyl-N-propoxy)aminocarbonylbenzoic
acid (compound 3.18)

45 A solution of 7.00 g (0.021 mol) of methyl
2,4-dichloro-3-(N-ethyl-N-propoxy)aminocarbonylbenzoate
and [sic] 40 ml of 10% strength aqueous sodium hydroxide
solution was stirred for 2 hours at 80°C. After the
reaction mixture had cooled, it was stirred into 200 ml
of ice-water, and the pH was brought to 1 with
concentrated hydrochloric acid. The aqueous phase was



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extracted with ethyl acetate, and the combined organic phases were dried and concentrated in vacuo. This gave 5.50 g of 2,4-dichloro-3-(N-ethyl-N-propoxy)-aminocarbonylbenzoic acid.

5

Step k) 2,4-Dichloro-3-(N-ethyl-N-propoxy)aminocarbonylbenzoyl chloride (compound 3.21)

10

A solution of 4.00 g (0.0125 mol) of 2,4-dichloro-3-(N-ethyl-N-propoxy)aminocarbonylbenzoic acid and 14.90 g of thionyl chloride in 100 ml of dry toluene was stirred for 3 hours at 100°C. After the solvent had been removed in vacuo, 4.40 g of 2,4-dichloro-3-(N-ethyl-N-propoxy)-aminocarbonylbenzoyl chloride were obtained.

15

Methyl 2,4-dichloro-3-(N-methoxy)aminocarbonylbenzoate (compound 3.01)

20 4.60 g (0.045 mol) of triethylamine and 3.75 g (0.045 mol) of methoxyamine hydrochloride were added to a solution of 5.35 g (0.02 mol) of methyl 3-chlorocarbonyl-2,4-dichlorobenzoate and [sic] 100 ml of dichloromethane. After the reaction solution had been stirred for 12 hours at room temperature, it was washed with
25 dilute phosphoric acid, dried and concentrated. The resulting residue was extracted by stirring with diethyl ether. This gave 4.80 g of methyl 2,4-dichloro-3-(N-methoxy)aminocarbonylbenzoate. (m.p.: 162-164°C)

30 Methyl 2,4-dichloro-3-(N-propoxy)aminocarbonylbenzoate (compound 3.02)

10.7 g (0.04 mol) of methyl 3-chlorocarbonyl-2,4-dichlorobenzoate
35 in 100 ml of methylene chloride were slowly added dropwise at 30°C to a solution of 4.50 g (0.04 mol) of propoxyamine hydrochloride and 4.05 g (0.04 mol) of triethylamine in 200 ml of methylene chloride. After the reaction mixture had been stirred for 2 hours at room temperature, it was washed with dilute phosphoric acid,
40 dried and concentrated. The resulting residue was chromatographed on silica gel (eluent: toluene/ethyl acetate = 9/1). This gave 11.50 g of methyl 2,4-dichloro-3-(N-propoxyamino)carbonylbenzoate. (m.p.: 80-81°C)

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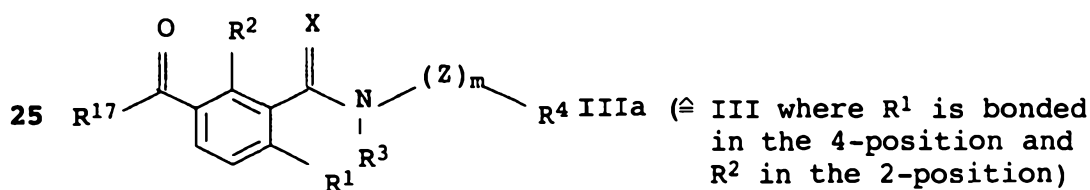


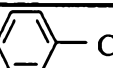
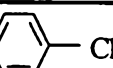
Methyl 3-(N-4-chlorobenzoyloxy)aminocarbonyl-
2,4-dichlorobenzoate (compound 3.03)

10.70 g (0.04 mol) of methyl 3-chlorocarbonyl-2,4-dichloro-
benzoate in 50 ml of methylene chloride were slowly added
dropwise at approximately 30°C to a solution of 7.76 g (0.04 mol)
of 4-chlorobenzoyloxyamine hydrochloride and 4.05 g (0.04 mol) of
triethylamine in 200 ml of methylene chloride. After the reaction
mixture had been stirred for 12 hours at room temperature, it was
washed with dilute phosphoric acid, dried and concentrated. After
the residue had been extracted by stirring with diethyl ether,
19.00 g of methyl 3-(4-chlorobenzoyloxy)amino-
carbonyl-2,4-dichlorobenzoate were obtained.
(m.p.: 120-121°C)

Besides the compounds described above, other benzoic acid
derivatives of the formula IIIa which were, or can be, prepared
in a similar manner are listed in Table 3 below.

Table 3



No.	X	R ¹	R ²	R ³	(Z) _m -R ⁴	R ¹⁷	M.p. [°C] ¹ H NMR [ppm]
3.01	O	Cl	Cl	H	OCH ₃	OCH ₃	162-164
3.02	O	Cl	Cl	H	O(CH ₂) ₂ CH ₃	OCH ₃	80-81
3.03	O	Cl	Cl	H	OCH ₂ -  -Cl	OCH ₃	120-121
3.04	O	Cl	Cl	CH ₃	OCH ₃	OCH ₃	78-80
3.05	O	Cl	Cl	CH ₃	OCH ₃	OH	
3.06	S	Cl	Cl	CH ₃	OCH ₃	OCH ₃	
3.07	O	Cl	Cl	CH ₃	OCH ₃	Cl	
3.08	O	Cl	Cl	H	OCH ₃	OH	
3.09	O	Cl	Cl	H	OCH ₃	Cl	
3.10	O	Cl	Cl	CH ₃	OCH ₂ -  -Cl	OCH ₃	121-123
3.11	O	Cl	Cl	CH ₃	CH ₂ CH ₃	OCH ₃	
3.12	O	Cl	Cl	CH ₃	CH ₂ CH ₃	OH	151-153



	No.	X	R ¹	R ²	R ³	(Z) _m -R ⁴	R ¹⁷	M.p. [°C] ¹ H NMR [ppm]
5	3.13	O	Cl	Cl	CH ₃	O(CH ₂) ₂ CH ₃	OCH ₃	47-48
	3.14	O	Cl	Cl	C ₂ H ₅	O(CH ₂) ₂ CH ₃	OCH ₃	48-50
	3.15	O	Cl	Cl	CH ₃	OCH ₂ -  -Cl	OH	130-131
	3.16	O	Cl	Cl	CH ₃	O(CH ₂) ₂ CH ₃	OH	oil
10	3.17	O	Cl	Cl	H	O(CH ₂) ₂ CH ₃	OCH ₃	80-81
	3.18	O	Cl	Cl	C ₂ H ₅	O(CH ₂) ₂ CH ₃	OH	oil
	3.19	O	Cl	Cl	CH ₃	CH ₂ CH ₃	Cl	
15	3.20	O	Cl	Cl	CH ₃	OCH ₂ -  -Cl	Cl	
	3.21	O	Cl	Cl	C ₂ H ₅	O(CH ₂) ₂ CH ₃	Cl	
	3.22	O	SO ₂ CH ₃	Cl	H	OCH ₃	OCH ₃	160-162
	3.23	O	SO ₂ CH ₃	Cl	CH ₃	OCH ₃	OCH ₃	102-103
20	3.24	O	Cl	Cl	H	N(CH ₃) ₂	OCH ₃	170-176
	3.25	O	Cl	Cl	H	OCH ₂ CH(CH ₃)O-  -Cl	OCH ₃	
	3.26	O	Cl	Cl	CH ₃	OCH ₂ CH(CH ₃)O-  -Cl	OCH ₃	
	3.27	O	Cl	Cl	CH ₃	OCH ₂ CH(CH ₃)O-  -Cl	OH	110-118
25	3.28	O	SO ₂ CH ₃	Cl	H	OCH ₂ CH ₃	OCH ₃	90-110
	3.29	O	SO ₂ CH ₃	Cl	CH ₃	OCH ₂ CH ₃	OCH ₃	
	3.30	O	SO ₂ CH ₃	Cl	CH ₃	OCH ₂ CH ₃	OH	
	3.31	O	SO ₂ CH ₃	Cl	CH ₃	OCH ₃	OH	
30	3.32	O	SO ₂ CH ₃	Cl	CH ₃	OCH ₃	Cl	
	3.33	O	SO ₂ CH ₃	Cl	CH ₂ CH ₃	OCH ₃	OCH ₃	140-144
	3.34	O	SO ₂ CH ₃	Cl	CH ₂ CH ₃	OCH ₃	OH	194-197
	3.35	O	SO ₂ CH ₃	Cl	CH ₃	OCH ₂ CH ₃	OH	98-103
35	3.36	O	SO ₂ CH ₃	Cl	CH ₂ CH ₃	OCH ₂ CH ₃	OCH ₃	
	3.37	O	SO ₂ CH ₃	Cl	CH ₂ CH ₃	OCH ₂ CH ₃	OH	
	3.38	O	SO ₂ CH ₃	Cl	H	(E)-OCH ₂ CH=CHCl	OH	204
	3.39	O	SO ₂ CH ₃	Cl	CH ₃	(E)-OCH ₂ CH=CHCl	OH	57-60
40	3.40	O	SO ₂ CH ₃	CH ₃	CH ₃	CH ₃	OH	249-270
	3.41	O	Cl	Cl	CH ₃	N(CH ₃) ₂	OCH ₃	93
	3.42	O	SO ₂ CH ₃	Cl	C(CH ₃) ₂ CH ₂ Cl	H	OCH ₃	147-148
45	3.43	O	SO ₂ CH ₃	Cl	H	OCH ₃	OH	oil
	3.44	O	SO ₂ CH ₃	Cl	(CH ₂) ₂ C H ₃	H	OH	168-170



No.	X	R ¹	R ²	R ³	(Z) _m -R ⁴	R ¹⁷	M.p. [°C] ¹ H NMR [ppm]
3.45	O	SO ₂ CH ₃	Cl	CH ₃	NH ₂	OH	203-205
3.46	O	SO ₂ CH ₃	Cl	CH ₃	H	NHCH ₃	oil
3.47	O	SO ₂ CH ₃	Cl	CH ₃	H	OH	oil

The 2-benzoylcyclohexane-1,3-diones of the formula I and their agriculturally useful salts are suitable as herbicides, both in the form of isomer mixtures and in the form of the pure isomers. The herbicidal compositions comprising compounds of the formula I effect very good control of vegetation on non-crop areas, especially at high rates of application. In crops such as wheat, rice, maize, soybeans and cotton they act against broad-leaved weeds and grass weeds without damaging the crop plants substantially. This effect is observed especially at low rates of application.

Depending on the application method in question, the compounds of the formula I, or compositions comprising them, can additionally be employed in a further number of crop plants for eliminating undesirable plants. Examples of suitable crops are the following:

Allium cepa, Ananas comosus, Arachis hypogaea, Asparagus officinalis, Beta vulgaris spec. altissima, Beta vulgaris spec. rapa, Brassica napus var. napus, Brassica napus var. napobrassica, Brassica rapa var. silvestris, Camellia sinensis, Carthamus tinctorius, Carya illinoensis, Citrus limon, Citrus sinensis, Coffea arabica (Coffea canephora, Coffea liberica), Cucumis sativus, Cynodon dactylon, Daucus carota, Elaeis guineensis, Fragaria vesca, Glycine max, Gossypium hirsutum, (Gossypium arboreum, Gossypium herbaceum, Gossypium vitifolium), Helianthus annuus, Hevea brasiliensis, Hordeum vulgare, Humulus lupulus, Ipomoea batatas, Juglans regia, Lens culinaris, Linum usitatissimum, Lycopersicon lycopersicum, Malus spec., Manihot esculenta, Medicago sativa, Musa spec., Nicotiana tabacum (N.rustica), Olea europaea, Oryza sativa, Phaseolus lunatus, Phaseolus vulgaris, Picea abies, Pinus spec., Pisum sativum, Prunus avium, Prunus persica, Pyrus communis, Ribes syl estre [sic], Ricinus communis, Saccharum officinarum, Secale cereale, Solanum tuberosum, Sorghum bicolor (s. vulgare), Theobroma cacao, Trifolium pratense, Triticum aestivum, Triticum durum, Vicia faba, Vitis vinifera and Zea mays.



Moreover, the compounds of the formula I can also be used in crops which tolerate the action of herbicides due to breeding including genetic engineering methods.

5 The compounds of the formula I or the herbicidal compositions comprising them, can be employed, for example, in the form of directly sprayable aqueous solutions, powders, suspensions, also highly-concentrated aqueous, oily or other suspensions or
10 dispersions, emulsions, oil dispersions, pastes, dusts, materials for spreading or granules, by means of spraying, atomizing, dusting, spreading or pouring. The use forms depend on the intended purposes; in any case, they should guarantee the finest possible distribution of the active ingredients according to the invention.

15

The herbicidal compositions comprise a herbicidally active amount of at least one compound of the formula I or of an agriculturally useful salt of I and auxiliaries conventionally used for the
20 formulation of crop protection products.

20

Suitable inert additives are essentially: mineral oil fractions of medium to high boiling point such as kerosine and diesel oil, furthermore coal tar oils and oils of vegetable or animal origin,
25 aliphatic, cyclic and aromatic hydrocarbons, e.g. paraffin, tetrahydronaphthalene, alkylated naphthalenes and their derivatives, alkylated benzenes and their derivatives, alcohols such as methanol, ethanol, propanol, butanol, cyclohexanol, ketones such as cyclohexanone, and strongly polar solvents, e.g.
30 amines such as N-methylpyrrolidone and water.

30

Aqueous use forms can be prepared from emulsion concentrates, suspensions, pastes, wettable powders or water-dispersible granules by adding water. To prepare emulsions, pastes or oil
35 dispersions, the substrates [sic], as such or dissolved in an oil or solvent, can be homogenized in water by means of wetting agent, tackifier, dispersant or emulsifier. However, it is also possible to prepare concentrates composed of active substance, wetting agent, tackifier, dispersant or emulsifier and, if
40 appropriate, solvent or oil, and these concentrates are suitable for dilution with water.

40

Suitable surfactants (adjuvants) are the alkali metal, alkaline earth metal and ammonium salts of aromatic sulfonic acids, e.g.
45 ligno-, phenol-, naphthalene- and dibutylnaphthalenesulfonic acid, and of fatty acids, of alkyl- and alkylaryl sulfonates, of alkyl sulfates, lauryl ether sulfates and fatty alcohol sulfates,



and salts of sulfated hexa-, hepta- and octadecanols, and of fatty alcohol glycol ether, condensates of sulfonated naphthalene and its derivatives with formaldehyde, condensates of naphthalene, or of the naphthalenesulfonic acids, with phenol and
5 formaldehyde, polyoxyethylene octylphenyl ether, ethoxylated isooctyl-, octyl- or nonylphenol, alkylphenyl and tributylphenyl polyglycol ether, alkylaryl polyether alcohols, isotridecyl alcohol, fatty alcohol/ethylene oxide condensates, ethoxylated castor oil, polyoxyethylene alkyl ethers or polyoxypropylene
10 alkyl ethers, lauryl alcohol polyglycol ether acetate, sorbitol esters, lignin-sulfite waste liquors or methylcellulose.

Powders, materials for spreading and dusts can be prepared by mixing or concomitantly grinding the active substances with a
15 solid carrier.

Granules, e.g. coated granules, impregnated granules and homogeneous granules, can be prepared by binding the active
20 ingredients to solid carriers. Solid carriers are mineral earths such as silicas, silica gels, silicates, talc, kaolin, limestone, lime, chalk, bole, loess, clay, dolomite, diatomaceous earth, calcium sulfate, magnesium sulfate, magnesium oxide, ground synthetic materials, fertilizers such as ammonium sulfate,
25 ammonium phosphate, ammonium nitrate, ureas and products of vegetable origin such as cereal meal, tree bark meal, wood meal and nutshell meal, cellulose powders and other solid carriers.

The concentrations of the compounds of the formula I in the
30 ready-to-use products can be varied within wide ranges. In general, the formulations comprise from 0.001 to 98% by weight, preferably 0.01 to 95% by weight, of at least one active ingredient. The active ingredients are employed in a purity of from 90% to 100%, preferably 95% to 100% (according to NMR
35 spectrum).

The compounds I according to the invention can be formulated, for example, as follows:

- 40 I. 20 parts by weight of the compound No. 2.01 are dissolved in a mixture composed of 80 parts by weight of alkylated benzene, 10 parts by weight of the adduct of 8 to 10 mol of ethylene oxide and 1 mol of oleic acid N-monoethanolamide, 5 parts by weight of calcium dodecylbenzenesulfonate and
45 5 parts by weight of the adduct of 40 mol of ethylene oxide and 1 mol of castor oil. Pouring the solution into 100,000 parts by weight of water and finely distributing it



therein gives an aqueous dispersion which comprises 0.02% by weight of the active ingredient.

- 5 II. 20 parts by weight of the compound No. 2.03 are dissolved in a mixture composed of 40 parts by weight of cyclohexanone, 30 parts by weight of isobutanol, 20 parts by weight of the adduct of 7 mol of ethylene oxide and 1 mol of isooctylphenol and 10 parts by weight of the adduct of 40 mol of ethylene oxide and 1 mol of castor oil. 10 Pouring the solution into 100,000 parts by weight of water and finely distributing it therein gives an aqueous dispersion which comprises 0.02% by weight of the active ingredient.
- 15 III. 20 parts by weight of the active ingredient No. 2.05 are dissolved in a mixture composed of 25 parts by weight of cyclohexanone, 65 parts by weight of a mineral oil fraction of boiling point 210 to 280°C and 10 parts by weight of the adduct of 40 mol of ethylene oxide and 1 mol of castor oil. 20 Pouring the solution into 100,000 parts by weight of water and finely distributing it therein gives an aqueous dispersion which comprises 0.02% by weight of the active ingredient.
- 25 IV. 20 parts by weight of the active ingredient No. 2.06 are mixed thoroughly with 3 parts by weight of sodium diisobutyl-naphthalenesulfonate, 17 parts by weight of the sodium salt of a lignosulfonic acid from a sulfite waste liquor and 60 parts by weight of pulverulent silica gel and 30 the mixture is ground in a hammer mill. Finely distributing the mixture in 20,000 parts by weight of water gives a spray mixture which comprises 0.1% by weight of the active ingredient.
- 35 V. 3 parts by weight of the active ingredient No. 2.09 are mixed with 97 parts by weight of finely divided kaolin. This gives a dust which comprises 3% by weight of the active ingredient.
- 40 VI. 20 parts by weight of the active ingredient No. 2.11 are mixed intimately with 2 parts by weight of calcium dodecylbenzenesulfonate, 8 parts by weight of fatty alcohol polyglycol ether, 2 parts by weight of the sodium salt of a phenol/urea/formaldehyde condensate and 68 parts by weight 45



of a paraffinic mineral oil. This gives a stable oily dispersion.

- 5 VII. 1 part by weight of the compound 2.12 is dissolved in a mixture composed of 70 parts by weight of cyclohexanone, 20 parts by weight of ethoxylated isooctylphenol and 10 parts by weight of ethoxylated castor oil. This gives a stable emulsion concentrate.
- 10 VIII. 1 part by weight of the compound 2.07 is dissolved in a mixture composed of 80 parts by weight of cyclohexanone and 20 parts by weight of Wettol® EM 31 (non-ionic emulsifier based on ethoxylated castor oil). This gives a stable
- 15 emulsion concentrate.

The active ingredients of the formula I, or the herbicidal compositions, can be applied pre- or post-emergence. If the active ingredients are less well tolerated by certain crop

20 plants, application techniques may be used in which the herbicidal compositions are sprayed, with the aid of the spray apparatus, in such a way that they come into as little contact, if any, with the leaves of the sensitive crop plants while the active ingredients reach the leaves of undesirable plants which

25 grow underneath, or the bare soil (post-directed, lay-by).

To widen the spectrum of action and to achieve synergistic effects, the compounds of the formula I can be mixed and applied jointly with a large number of representatives of other groups of

30 herbicidally or growth-regulatory active ingredients. Suitable components in mixtures are, for example, 1,2,4-thiadiazoles, 1,3,4-thiadiazoles, amides, aminophosphoric acid and its derivatives, aminotriazoles, anilides, (het)aryloxyalkanoic acids and their derivatives, benzoic acid and its derivatives,

35 benzothiadiazinones, 2-aryl-1,3-cyclohexanediones, hetaryl aryl ketones, benzylisoxazolidinones, meta-CF₃-phenyl derivatives, carbamates, quinolinecarboxylic acid and its derivatives, chloroacetanilides, cyclohexenone oxime ethers, diazines, dichloropropionic acid and its derivatives, dihydrobenzofurans,

40 dihydrofuran-3-ones, dinitroanilines, dinitrophenols, diphenyl ethers, dipyridyls, halocarboxylic acids and their derivatives, ureas, 3-phenyluracils, imidazoles, imidazolinones, N-phenyl-3,4,5,6-tetrahydrophthalimides, oxadiazoles, oxiranes, phenols, aryloxy- and hetaryloxyphenoxypropionic esters,

45 phenylacetic acid and its derivatives, 2-phenylpropionic acid and its derivatives, pyrazoles, phenylpyrazoles, pyridazines, pyridinecarboxylic acid and its derivatives, pyrimidyl ethers,



sulfonamides, sulfonylureas, triazines, triazinones, triazolinones, triazolecarboxamides and uracils.

Moreover, it may be advantageous to also apply the compounds of
5 the formula I, alone or in combination with other herbicides, in the form of a mixture with other crop protection agents, for example with pesticides or agents for controlling phytopathogenic fungi or bacteria. Also of interest is the miscibility with
10 mineral salt solutions which are employed for treating nutritional and trace element deficiencies. Non-phytotoxic oils and oil concentrates can also be added.

The rates of application of active ingredient are from 0.001 to
15 3.0, preferably 0.01 to 1.0, kg/ha active substance (a.s.), depending on the purpose of the control measures, the season, the target plants and the growth stage.

Use Examples

20

The herbicidal action of the 2-benzoylcyclohexane-1,3-diones of the formula I was demonstrated by the following greenhouse experiments:

25 The culture containers used were plastic pots containing loamy sand with approximately 3.0% of humus as substrate. The seeds of the test plants were sown separately for each species.

30 For the pre-emergence treatment, the active ingredients, suspended or emulsified in water, were applied directly after sowing by means of finely distributing nozzles. The containers were irrigated gently to promote germination and growth and subsequently covered with translucent plastic hoods until the
35 plants had rooted. This cover caused uniform germination of the test plants unless this was adversely affected by the active ingredients.

For the post-emergence treatment, the test plants were first
40 grown to a plant height of from 3 to 15 cm, depending on the plant habit, and then treated with the active ingredients which had been suspended or emulsified in water. To this end, the test plants were either sown directly and grown in the same containers, or they were first grown separately as seedlings and
45 transplanted into the test containers a few days prior to



treatment. The rate of application for the post-emergence treatment was 0.125 or 0.0625 kg/ha a.s.

5 Depending on the species, the plants were kept at from 10 - 25°C and 20 - 35°C, respectively. The test period extended over 2 to 4 weeks. During this time, the plants were tended, and their response to the individual treatments was evaluated.

10 Evaluation was carried out using a scale of from 0 to 100. 100 means no emergence of the plants, or complete destruction of at least the aerial parts, and 0 means no damage or normal course of growth.

15 The plants used in the greenhouse experiments belonged to the following species:

Scientific name	Common name
Chenopodium album	lambsquarters (goosefoot)
20 Ipomoea spp.	morning glory
Polygenum persicaria	ladysthumb
Solanum nigrum	black nightshade
Zea mays	Indian corn

25 The compound 2.01 (Table 2), when applied post-emergence at rates of 0.125 and 0.0625 kg/ha (a.s.), had a very good effect against the abovementioned mono- and dicotyledonous harmful plants combined with good tolerance in Indian corn.

30 "Comprises/comprising" when used in this specification is taken to specify the presence of stated features, integers, steps or components but does not preclude the presence or addition of one or more other features, integers, steps, components or groups thereof.

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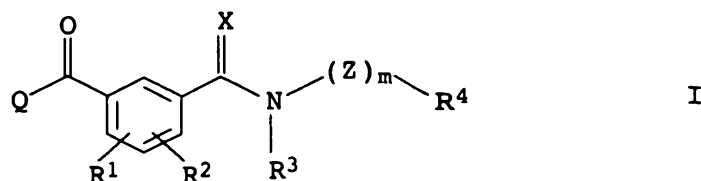
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We claim:

1. A 2-benzoylcyclohexane-1,3-dione of the formula I



where the variables have the following meanings:

- R^1, R^2 are hydrogen, nitro, halogen, cyano, thiocyanato, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, $-OR^5$, $-OCOR^6$, $-OSO_2R^6$, $-SH$, $-S(O)_nR^7$, $-SO_2OR^5$, $-SO_2NR^5R^8$, $-NR^8SO_2R^6$ or $-NR^8COR^6$;
- R^3 is hydrogen, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_3 - C_6 -alkenyl or C_3 - C_6 -alkynyl;
- R^4 is hydrogen, C_1 - C_6 -alkyl, C_3 - C_6 -cycloalkyl, C_3 - C_6 -alkenyl, C_4 - C_6 -cycloalkenyl, C_3 - C_6 -alkynyl, $-COR^9$, $-CO_2R^9$, $-COSR^9$ or $-CONR^8R^9$, it being possible for the abovementioned alkyl, cycloalkyl, alkenyl, cycloalkenyl and alkynyl radicals and for R^9 of the radicals $-COR^9$, $-CO_2R^9$, $-COSR^9$ and $-CONR^8R^9$ to be partially or fully halogenated and/or to have attached to them one to three of the following groups:
- hydroxyl, mercapto, amino, cyano, R^{10} , $-OR^{10}$, $-SR^{10}$, $-NR^8R^{10}$, $=NOR^{10}$, $-OCOR^{10}$, $-SCOR^{10}$, $-NR^8COR^{10}$, $-CO_2R^{10}$, $-COSR^{10}$, $-CONR^8R^{10}$, C_1 - C_4 -alkyliminoxy, C_1 - C_4 -alkoxyamino, C_1 - C_4 -alkylcarbonyl, C_1 - C_4 -alkoxy- C_2 - C_6 -alkoxycarbonyl, C_1 - C_4 -alkylsulfonyl, heterocyclyl, heterocyclyloxy, phenyl, phenyl- C_1 - C_4 -alkyl, hetaryl, phenoxy, phenyl- C_1 - C_4 -alkoxy and hetaryloxy, it being possible for the eight last-mentioned radicals, in turn, to be substituted;
- X is oxygen or sulfur;



AMENDED SHEET

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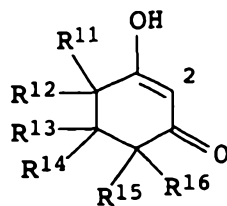
- Z is oxygen or NR⁸;
 m is 0 or 1;
 5 n is 0, 1 or 2;
 R⁵ is hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl,
 10 C₁-C₆-alkoxy-C₂-C₆-alkyl, C₃-C₆-alkenyl or
 C₃-C₆-alkynyl;
 R⁶ is C₁-C₆-alkyl or C₁-C₆-haloalkyl;
 15 R⁷ is C₁-C₆-alkyl, C₁-C₆-haloalkyl,
 C₁-C₆-alkoxy-C₂-C₆-alkyl, C₃-C₆-alkenyl or
 C₃-C₆-alkynyl;
 R⁸ is hydrogen or C₁-C₆-alkyl;
 20 R⁹ is C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, phenyl
 or benzyl;
 R¹⁰ is C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl or
 25 C₃-C₆-alkynyl;
 Q is an unsubstituted or substituted
 cyclohexane-1,3-dione ring which is linked in the
 30 2-position;

where m is 1 if R³ is hydrogen;

or an agriculturally useful salt thereof.

- 35 2. A 2-benzoylcyclohexane-1,3-dione of the formula I as claimed
 in claim 1 where Q is a cyclohexane-1,3-dione ring of the
 formula II

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II

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which is linked in the 2-position, where



R^{11} , R^{12} , R^{14} and R^{16} are hydrogen or C_1 - C_4 -alkyl;

5 R^{13} is hydrogen, C_1 - C_4 -alkyl or C_3 - C_4 -cycloalkyl, it being possible for the two last-mentioned groups to have attached to them one to three of the following substituents:

halogen, C_1 - C_4 -alkylthio or C_1 - C_4 -alkoxy;

10 or

15 is tetrahydropyran-2-yl, tetrahydropyran-3-yl, tetrahydropyran-4-yl, tetrahydrothiopyran-2-yl, tetrahydrothiopyran-3-yl, tetrahydrothiopyran-4-yl, 1,3-dioxolan-2-yl, 1,3-dioxan-2-yl, 1,4-dioxan-2-yl, 1,3-oxathiolan-2-yl, 1,3-oxathian-2-yl, 1,3-dithiolan-2-yl or 1,3-dithian-2-yl, it being possible for the 6 last-mentioned radicals to be substituted by one to three C_1 - C_4 -alkyl radicals;

20 R^{15} is hydrogen, C_1 - C_4 -alkyl or C_1 - C_6 -alkoxycarbonyl;
or

25 R^{13} and R^{16} together form a π bond or a three to six-membered carbocyclic ring;

or
30 the $CR^{13}R^{14}$ unit can be replaced by $C=O$.

3. A 2-benzoylcyclohexane-1,3-dione of the formula I as claimed in claim 1 or 2 where

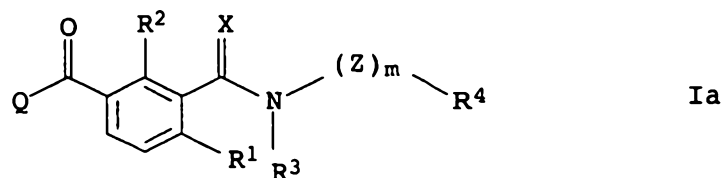
35 R^1 is nitro, halogen, cyano, thiocyanato, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, $-OR^5$ or $-S(O)_nR^7$;

40 R^2 is hydrogen or a radical as mentioned above for R^1 .

4. A 2-benzoylcyclohexane-1,3-dione of the formula I as claimed in any one of claims 1 to 3, where m is 1.

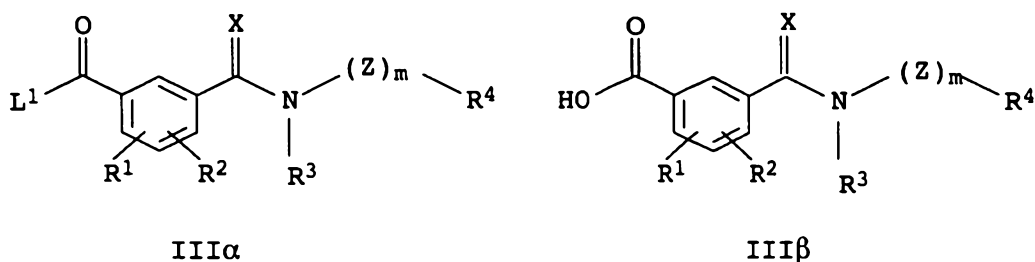
45 5. A 2-benzoylcyclohexane-1,3-dione of the formula Ia





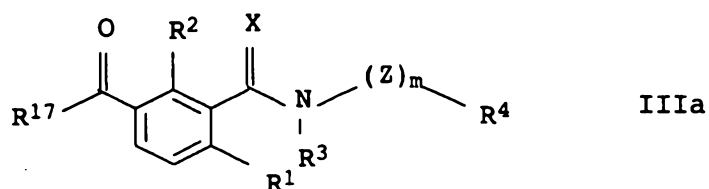
where the variables R^1 to R^4 , Q , X , Z and m have the meanings given in claims 1 to 4.

6. A process for the preparation of 2-benzoylcyclohexane-1,3-diones of the formula I as claimed in any of claims 1 to 5, which comprises acylating an unsubstituted or substituted cyclohexane-1,3-dione Q with an activated carboxylic acid $III\alpha$ or with a carboxylic acid $III\beta$,



where the variables R^1 to R^4 , X , Z and m have the meanings given in claim 1 and L^1 is a nucleophilically displaceable leaving group, and, if appropriate, subjecting the acylation product to a rearrangement reaction in the presence of a catalyst to give the compounds I.

7. A benzoic acid derivative of the formula $IIIa$



where

R^1 , R^2 are nitro, halogen, cyano, thiocyanato, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, $-OR^5$ or $-S(O)_nR^7$;



m is 1;

R¹⁷ is hydroxyl or a radical which can be removed by hydrolysis and

the variables R³ to R⁵ and R⁷, X, Z and n have the meanings given in claim 1;

where R⁴ is not hydrogen if Z is NH and R¹ and R² are chlorine.

8. A benzoic acid derivative of the formula IIIa as claimed in claim 7, where R¹⁷ is halogen, hydroxyl or C₁-C₆-alkoxy.

9. A composition comprising a herbicidally active amount of at least one 2-benzoylcyclohexane-1,3-dione of the formula I or of an agriculturally useful salt of I as claimed in any one of claims 1 to 5 and auxiliaries conventionally used for the formulation of crop protection products.

10. A process for the preparation of herbicidally active composition as claimed in claim 9, which comprises mixing a herbicidally active amount of at least one 2-benzoyl-cyclohexane-1,3-dione of the formula I or of an agriculturally useful salt of I as claimed in any of claims 1 to 5 and auxiliaries conventionally used for the formulation of crop protection products.

11. A method of controlling undesirable vegetation, which comprises allowing a herbicidally active amount of at least one 2-benzoylcyclohexane-1,3-dione of the formula I or of an agriculturally useful salt of I as claimed in any one of claims 1 to 5 to act on plants, their environment and/or on seeds.

12. The use of a 2-benzoylcyclohexane-1,3-dione of the formula I or of an agriculturally useful salt thereof as claimed in any one of claims 1 to 5 as a herbicide.

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13. A 2-benzoylcyclohexane-1,3-dione of formula I according to claim 1 and as herein described with reference to Table 1.

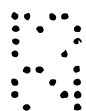
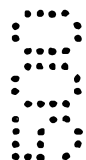
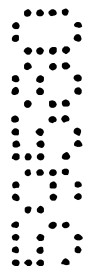
14. A process according to claim 6 and as herein described with reference to the preparation examples.

DATED this 18th day of May 2000

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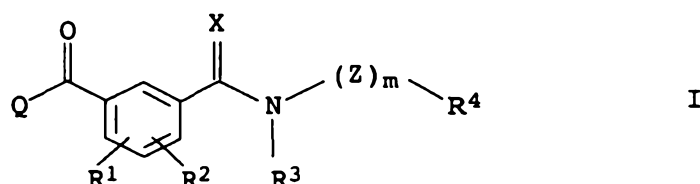


3-Aminocarbonyl-/3-aminothiocarbonyl-substituted
2-benzoylcyclohexane-1,3-diones

5 Abstract

The invention relates to 2-benzoylcyclohexane-1,3-diones of the formula I

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where

20 R^1, R^2 are hydrogen, nitro, halogen, cyano, thiocyanato, alkyl, haloalkyl, alkoxyalkyl, alkenyl, alkynyl, $-OR^5$, $-OCOR^6$, $-OSO_2R^6$, $-SH$, $-S(O)_nR^7$, $-SO_2OR^5$, $-SO_2NR^5R^8$, $-NR^8SO_2R^6$ or $-NR^8COR^6$;

R^3 is hydrogen, alkyl, haloalkyl, alkenyl or alkynyl;

25

R^4 is hydrogen, unsubstituted or substituted alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, $-COR^9$, $-CO_2R^9$, $-COSR^9$ or $-CONR^8R^9$;

30 X is oxygen or sulfur;

Z is oxygen or NR^8 ;

35 m is 0 or 1;

n is 0, 1 or 2;

40 R^5 is hydrogen, alkyl, haloalkyl, alkoxyalkyl, alkenyl or alkynyl;

R^6 is alkyl or haloalkyl;

45 R^7 is alkyl, haloalkyl, alkoxyalkyl, alkenyl or alkynyl;



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R⁸ is hydrogen or alkyl;

R⁹ is alkyl, alkenyl, alkynyl, phenyl or benzyl;

5 R¹⁰ is alkyl, haloalkyl, alkenyl or alkynyl;

Q is an unsubstituted or substituted cyclohexane-1,3-dione ring which is linked in the 2-position;

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where m is 1 if R³ is hydrogen;

and the agriculturally useful salts thereof;

15 processes and intermediates for the preparation of the compounds of the formula I; compositions comprising them; and the use of these derivatives or compositions comprising them for controlling undesired plants.

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