

Title (en)
4'4'-DIOXASPIRO-SPIROCYCLICALLY SUBSTITUTED TETRAMATES

Title (de)
4'4'-DIOXASPIRO-SPIROCYCLISCH SUBSTITUIERTE TETRAMATE

Title (fr)
TÉTAMATES SPIROCYCLIQUES À SUBSTITUTION 4'4'-DIOXASPIRO

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Application
EP 09721839 A 20090316

Priority

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- EP 09721839 A 20090316

Abstract (en)

[origin: EP2103615A1] 4'4'-Dioxaspiro-spirocyclically substituted terminates (I), are new. 4'4'-Dioxaspiro-spirocyclically substituted terminates of formula (I), are new. W 1>H, alkyl, alkenyl, alkynyl, halo, alkoxy, haloalkyl, haloalkoxy or CN; X : halo, alkyl, alkenyl, alkynyl, alkoxy, haloalkyl, haloalkoxy, NO 2 or CN; Y 1>, Z : H, alkyl, alkenyl, alkynyl, alkoxy, halo, haloalkyl, haloalkoxy, CN or NO 2; AB 1>C : 5-6-membered ketal (optionally substituted by alkyl, haloalkyl, alkoxy, alkoxyalkyl or optionally substituted phenyl); G : metal ion equivalent or ammonium ion; and m, n : 1-2. Independent claims are included for: (1) the preparation of (I); (2) an agent comprising an active agent combination comprising (I), and at least a compound for improving the crop plant compatibility such as: e.g. AD-67, MON-4660, dicyclonone (BAS-145138), benoxacor, 5-chloro-quinolin-8-oxy-acetic acid-(1-methyl-hexylester), cumyluron, cyometrinil, 2,4-D, 2,4-DB, daimuron, dymron, dicamba, dimepiperate, DKA-24, dichlormid, fenclorim, flurazole, fluxofenim, furilazole [MON-13900], lactidichlor, 4-chloro-o-(tolylloxy)-acetic acid, mecoprop, 2-dichloromethyl-2-methyl-1,3-dioxolane, 2-propenyl-1-oxa-4-azaspiro[4.5]decane-4-carbodithioate, 1,8-naphthalic acid anhydride, oxabetrinil, 2,2-dichloro-N-(1,3-dioxolan-2-yl-methyl)-N-(2-propenyl)-acetamide, 3-dichloroacetyl-2,2-dimethyl-oxazolidine, 3-dichloroacetyl-2,2,5-trimethyloxazolidine, 4-(4-chloro-o-tolyl)-butteric acid, 4-(4-chloro-phenoxy)-butteric acid, diphenylmethoxy acetic acid, diphenylmethoxy acetic acid-methylester, diphenylmethoxy acetic acid-ethylester, 1-(2-chloro-phenyl)-5-phenyl-1H-pyrazol-3-carboxylic acid-methylester, 1,2-(dichloro-phenyl)-5-methyl-1H-pyrazol-3-carboxylic acid-ethylester, 1-(2,4-dichlorophenyl)-5-isopropyl-1H-pyrazol-3-carboxylic acid-ethylester, 1-(2,4-dichloro-phenyl)-5-(1,1-dimethyl-ethyl)-1H-pyrazol-3-carboxylic acid-ethylester, 5-(2,4-dichloro-benzyl)-2-isoxazolin-3-carboxylic acid-ethylester, 5-phenyl-2-isoxazolin-3-carboxylic acid-ethylester, 5-chloro-quinolin-8-oxy-acetic acid-4-allyloxy-butylester, 5-chloro-quinolin-8-oxy-acetic acid-1-allyloxy-prop-2-yl-ester, 5-chloroquinioxalin-8-oxy-acetic acid-methylester, 5-chloro-quinolin-8-oxy-acetic acid-ethylester, 5-chloro-quinoxalin-8-oxy-acetic acid-allylester, 4-chloro-phenoxy-acetic acid, 1-[4-(N-2-methoxybenzoylsulfamoyl)-phenyl]-3,3-dimethyl-urea, 1-[4-(N-4, 5-dimethylbenzoylsulfamoyl)-phenyl]-3-methyl-urea, 1-[4-(N-naphthylsulfamoyl)-phenyl]-3,3-dimethyl-urea and/or N-(2-methoxy-5-methylbenzoyl)-4-(cyclopropylaminocarbonyl)-benzene sulfonamide, preferably cloquintocet-mexyl, fenclorazole-ethyl, isoxadifen-ethyl, mefenpyr-diethyl, furilazole, fenclorim, cumyluron, dymron, or N-cyclopropyl-4-(2-methoxy-5-methyl-benzoylsulfamoyl)-benzamide or N-cyclopropyl-4-(2-methoxy-benzoylsulfamoyl)-benzamide; (3) a first composition comprising a substituted 4-hydroxy-3-phenyl-1-aza-spiro[4.5]dec-3-en-2-one compound of formula (IIa), (I) and at least a solvent; (4) a second composition comprising (I) and at least a salt of formula $[D1 + (R26a)(R27a)(R28a)(R29a)] n(R30a (n ->))$ (IIb); (5) preparing the agent, comprising mixing the first composition with stretching agent and/or surface active materials; and (6) preparing the first composition, comprising adding the components of the composition of a water mixable solvent or water. D1 : N or P; R26a-R29a : 1-8C-alkyl, 1 or more times unsaturated 1-8C-alkylene (both optionally substituted by halo, NO 2 or CN), or H; R30a : an inorganic or organic anion; and n : 1-4. [Image] [Image] ACTIVITY : Pesticide; Herbicide; Acaricide; Insecticide; Anthelmintic; Nematocide; Arthropodicide; Antiparasitic; Fungicide; Antibacterial; Virucide. MECHANISM OF ACTION : None given.

IPC 8 full level
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