

Title (en)
INSECTICIDAL N-(SUBSTITUTED ARYLMETHYL)-4- BIS(SUBSTITUTED ARYL) HYDROXYMETHYL]PIPERIDINIUM SALTS

Title (de)
INSEKTIZIDE [N-(SUBSTITUIERTES ARALMETHYL)-4-BIS(SUBSTITUIERTES ARYL)HYDROXYMETHYL] PIPERIDINIUM SALZE

Title (fr)
SELS INSECTICIDES DE N-(ARYLMETHYLE SUBSTITUE)-4- BIS(ARYLE SUBSTITUE)HYDROXYMETHYLE]PIPERIDINIUM

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Application
EP 97931416 A 19970625

Priority

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- US 2113996 P 19960702
- US 85216097 A 19970506

Abstract (en)

[origin: WO9800015A1] Compounds of structure (I) are disclosed as effective insecticides, in which Q is hydroxy; U is $-(CH_2)_n-$, where n is 1; R is structure (II) in which V, W, Y and Z are each hydrogen; X is alkoxy, cycloalkylalkoxy, alkoxycarbonyl, alkoxycarbonylamino, or a five- or six-membered heteroaryl or heteroaryloxy, each heteroaryl optionally substituted with halogen, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy, alkoxyalkyl, or haloalkoxyalkyl; R<1> and R<2> are independently selected from haloalkyl; phenyl substituted with halogen, halothio, haloalkyl, or haloalkoxy; or a five- or six-membered heteroaryl substituted with halogen or haloalkyl; R<3> is alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, dialkylaminoalkyl, alkylaminocarbonyloxyalkyl, alkylthioalkyl, alkylsulfonylalkyl, alkylcarbonyloxyalkyl, alkoxycarbonylalkyl, carboxyalkyl, carboxyarylalkyl, arylcarbonyl, sulfonato, or sulfonatoalkyl, and may bear a negative charge resulting in an inner salt; and a separate anion is chloride, bromide, iodide, or a phenyl or alkyl sulfate or sulfonate; with the proviso that at least one of R<1> and R<2> is phenyl substituted in the para position or pyrid-2-yl or pyrimidin-2-yl, each substituted in the 5-position; each aliphatic moiety contains not more than 4 carbon atoms, except that R<3> may contain up to eighteen carbon atoms; halogen means bromine, chlorine, or fluorine; each heteroaryl contains from 1 to 4 nitrogen atoms, or 1 or 2 oxygen or sulfur atoms, or 1 or 2 nitrogen atoms and an oxygen or sulfur atom.

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- See references of WO 9800015A1

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