

Title (en)

SAFENER BASED ON AROMATIC-ALIPHATIC CARBOXYLIC ACID DERIVATIVES

Title (de)

SAFENER AUF BASIS AROMATISCH-ALIPHATISCHER CARBONS UREDERIVATE

Title (fr)

AGENTS PHYTOPROTECTEURS A BASE DE DERIVES D'ACIDE CARBOXYLIQUE AROMATIQUES-ALIPHATIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005016001A1] Disclosed are compounds of formula (I) or the salts thereof, wherein R<1> represents COOH or a derivative thereof, preferably a radical of formula -CN, -C(=X)-Y-R, or -C(X'R')(X''R'')-Y-R in which R represents H, a (substituted) hydrocarbon radical, heterocyclic radical, or acyl, Y represents a direct bond or O, S, NR<c>, or NR<c>-NR<d>R<e>, and n represents the integer 1, 2, 3, 4, 5, or 6 while R', R'', X, X', X'', R<a>, R, R<c>, R<d>, R<e>, R<2>, R<3>, (R<4>)^m are defined as indicated in claim 1. Said compounds are suitable as safeners for cultivated plants or useful plants in order to counteract phytotoxic effects of agrochemicals, preferably as safeners against the effect of pesticides, such as herbicides, on said plants. Compounds of formula (I) or the salts thereof, wherein R<1> represents COOH, R<2> and R<3> each represent hydrogen, (R<4>)^m represents a hydroxy radical (m = 1) in any position or two radicals R<4> (m = 2) in any position, one radical representing a hydroxy group and the other radical representing hydroxy or methoxy in the latter case, and n represents the number 1, are used as safeners for cultivated or useful plants so as to counteract phytotoxic effects of agrochemicals other than glyphosates.

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