

Title (en)
1-ARYL-1,3-DIHYDRO-IMIDAZOL-2-(THI)ONE DERIVATIVES, PRODUCTION OF SAID COMPOUND AND USE AS A DESSICATING/DEFOLIATING AGENT FOR PLANTS

Title (de)
1-ARYL-1,3-DIHYDRO-IMIDAZOL-2-(THI)ON DERIVATE, DEREN HERSTELLUNG UND DEREN VERWENDUNG ALS HERBIZIDE ODER ZUR DESIKKATION/DEFOLIATION VON PFLANZEN

Title (fr)
DERIVES DE 1-ARYLE-1,3-DIHYDRO-IMIDAZOLE-2-(THI)ONES, FABRICATION, ET UTILISATION EN TANT QU'HERBICIDES OU POUR LA DESSICCATION/DEFOLIATION DE PLANTES

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Abstract (en)
[origin: WO0125216A1] The invention relates to novel substituted 1-aryl-1,3-dihydro-imidazol-2-(thi)one of formula (I) and the salts of said compound whereby R<1>=NH₂, C1-C6-alkyl, C1-C6-halogenalkyl; R<2>=OH, SH, C1-C6-alkoxy, C1-C4-halogenalkoxy, C1-C6-alkylthio, C1-C4-halogenalkylthio, C1-C6-alkylsulfinyl, C1-C4-halogenalkylsulfonyl, C1-C4-halogenalkyl or C1-C6-alkyl; R<3>=H, halogen, C1-C6-alkyl, halogenmethyl; R<4>=H, halogen; R<5>=CN, halogen, -CO-NH₂, -CS-NH₂, -OC(R<8>,R<9>)-CO-O(C1-C6-alkyl); Y=N, CH or in conjunction with R<6> a bridge >C-O-C(R<10>)=N-, >C-S-C(R<10>)=N- or >C-N=C(R<10>)-O-; R<6>+R<5>= or a N(R<7>)-C(O/S)-C(R<8'>,R<9'>)-O- radical, bonded at the oxygen moiety to R<5> or 1) OH, SH, CN, NO₂, C1-C6-alkyl, C1-C6-halogenalkyl, C1-C6-halogenalkoxy, C1-C6-halogenalkylthio, C1-C6-alkylthio-(C1-C6-alkyl)carbonyl, (C1-C6-alkyl)iminooxycarbonyl, C1-C6-alkoxy-C1-C6-alkyl, C1-C6-alkoxyamino-C1-C6-alkyl, C1-C6-alkoxy-C1-C6-alkoxyamino-C1-C6-alkyl, 2) optionally substit. C1-C6-alkoxy, C1-C6-alkylthio, C3-C6-cycloalkoxy, C3-C6-cycloalkylthio, C2-C6-alkenyloxy, C2-C6-alkenylthio, C2-C6-alkinyloxy, C2-C6-alkinylthio, (C1-C6-alkyl)carbonyloxy, (C1-C6-alkyl)carbonylthio, (C1-C6-alkoxy)carbonyloxy, (C2-C6-alkenyl)carbonyloxy, (C2-C6-alkenyl)carbonylthio, (C2-C6-alkinyl)carbonyloxy, (C2-C6-alkinyl)carbonylthio, C1-C6-alkylsulfonyloxy or C1-C6-alkylsulfonyl, 3) 28 other radicals; R<7>=H, optionally subst. C1-C6-alkyl, C3-C6-alkenyl, C3-C6-alkinyl, C1-C6-alkoxy, C3-C6-alkenyloxy, C3-C6-alkinyloxy, C3-C6-cycloalkyl or C3-C6-cycloalkyloxy; R<8>, R<9>, R<8'>, R<9'> = H, CN, C1-C6-alkyl; R<10>=H, halogen, optionally subst. C1-C6-alkyl, C3-C6-alkenyl, C3-C6-alkinyl, C1-C6-alkoxy, C3-C6-alkenyloxy, C3-C6-alkinyloxy, C3-C6-cycloalkyl or C3-C6-cycloalkyloxy. Use: as a herbicide or as a dessicating/defoliating agent for plants.

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