

Title (en)
1-SULFONYL-3-PHENYLPYRAZOLES AND THEIR USE AS HERBICIDES AND FOR DESICCATING OR DEFOLIATING PLANTS

Title (de)
1-SULFONYL-3-PHENYLPYRAZOLE UND IHRE VERWENDUNG ALS HERBIZIDE UND ZUR DESIKKATION/DEFOLIATION VON PFLANZEN

Title (fr)
1-SULFONYL-3-PHENYLPYRAZOLES ET LEUR UTILISATION COMME HERBICIDES ET POUR LE DESSECHEMENT OU LA DEFOLIATION DE VEGETAUX

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Application
EP 97942003 A 19970909

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Abstract (en)
[origin: WO9812182A1] 1-sulfonyl-3-phenylpyrazoles having the formula (I) and their salts are disclosed. In the formula, R<1> is C1-C4-alkyl, C1-C4-alkyl halide; R<2> is C1-C4-alkyl, C1-C4-alkyl halide; R<3> is H, CN, halogen, C1-C4-alkyl; R<4> is H, halogen; R<5> is H, CN, NO₂, halogen, C1-C4-alkyl, C1-C4-alkyl halide, C1-C4-alkoxy, C1-C4-alkoxy halide; X is a chemical bond, an optionally substituted methylene, ethylene, propan-1,3-diyl, ethen-1,2-diyl chain or an oxymethylene or thiamethylene chain bound to the phenyl ring by the heteroatom; R<6> is H, NO₂, CN, halogen, SO₂-halogen, -O-Y-R<8>, -O-CO-Y-R<8>, -N(Y-R<8>)(Z-R<9>), -N(Y-R<8>)-SO₂-Z-R<9>, -N(SO₂-Y-R<8>)(SO₂-Z-R<9>), -N(Y-R<8>)-CO-Z-R<9>, -N(Y-R<8>)(O-Z-R<9>), -S-Y-R<8>, -SO-Z-R<8>, -SO₂-Y-R<8>, -SO₂-O-Y-R<8>, -SO₂-N(Y-R<8>)(Z-R<9>), -CO-Y-R<8>, -C(=NOR<10>)-Y-R<8>, -(=NOR<10>)-O-Y-R<8>, -CO-O-Y-R<8>, -CO-S-Y-R<8>, -CO-N(Y-R<8>)(Z-R<9>), -CO-N(Y-R<8>)(O-Z-R<9>), -PO(O-Y-R<8>)₂; R<7> is H, or R<5> + XR<6> or XR<6> + R<7> form, together with the C atoms of the phenyl ring which interconnect them, an annulated, optionally substituted carbocyclic or 5-/6-membered heterocyclic ring with 1-3 heteroatoms, whereas the cycle may also contain 1 or 2 CO-, CS- or SO₂ ring members. These compounds are useful as herbicides, and for desiccating/defoliating plants.

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