

Title (en)
SUBSTITUTED 3-BENZYLPIRAZOLES AND THEIR USE AS HERBICIDES AND FOR LOWERING THE SUGAR CONTENT IN BLOOD

Title (de)
SUBSTITUIERTE 3-BENZYLPIRAZOLE UND IHRE VERWENDUNG ALS HERBIZIDE UND ZUR SENKUNG DES BLUTZUCKERGEHALTES

Title (fr)
3-BENZYLPIRAZOLES SUBSTITUES ET LEUR UTILISATION COMME HERBICIDES ET POUR ABAISSER LA TENEUR EN SUCRE DU SANG

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Abstract (en)
[origin: DE19645313A1] The invention relates to substituted 3-benzylpyrazoles of formula (I), their precursors of formulas (IIa), (IIb), (IIc), their byproducts of formula (III) as well as their salts, wherein R<1> stands for H, C1-C4 alkyl, C1-C4 halogen alkyl, C1-C4 alkyl sulfonyl, C1-C4 halogen alkyl sulfonyl; R<2> stands for C1-C4 alkyl, C1-C4 halogen alkyl, C1-C4 alkoxy, C1-C4 halogen alkoxy, C1-C4 alkyl thio, C1-C4 halogen alkyl thio, C1-C4 alkyl sulfinyl, C1-C4 halogen alkyl sulfinyl, C1-C4 alkyl sulfonyl, C1-C4 halogen alkyl sulfonyl; R<3> stands for H, CN, NO2, halogen, C1-C4 alkyl, C1-C4 halogen alkyl; X<1>-X<5> stands for chemical bond, optionally substituted methylene-, ethylene-, ethene-1,2-diyl or oxymethylene or thiamethylene chain linked through the heteroatom to the phenyl ring; R<4>-R<8> stands for H, CN, NO2, halogen -O-Y<1>-R<9>, -O-CO-Y<1>-R<9>, -N(Y<1>-R<9>)(Y<2>-R<10>), -N(Y<1>-R<9>)-SO2-Y<2>-R<10>, -N(SO2-Y<1>-R<9>)(SO2-Y<2>-R<10>), -N(Y<1>-R<9>)-CO-Y<2>-R<10>, -N(Y<1>-R<9>)(O-Y<2>-R<10>), -S-Y<1>-R<9>, -SO-Y<1>-R<9>, -SO2-Y<1>-R<9>, -SO2-O-Y<1>-R<9>, -SO2-N(Y<1>-R<9>)(Y<2>-R<10>), -CO-Y<1>-R<9>, -C(=NOR<11>)-Y<1>-R<9>, -C(=NOR<11>)-O-Y<1>-R<9>, -C(=NOR<11>)-CO-O-Y<1>-R<9>, -CO-O-Y<1>-R<9>, -CO-S-Y<1>-R<9>, -CO-N(Y<1>-R<9>)(Y<2>-R<10>), -CO-N(Y<1>-R<9>)(O-Y<2>-R<10>); R<12> stands C1-C4 alkyl, C1-C4 halogen alkyl. The invention further relates to the use of (I) as herbicide, for the desiccation/defoliation of plants, and of (I), (IIa), (IIb), (IIc) and (III) for lowering the sugar content in blood.

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