

Title (en)
4-(3-AMINO BENZOYL)-1-ETHYLPYRAZOLE AND THE USE THEREOF AS HERBICIDES

Title (de)
4-(3-AMINO BENZOYL)-1-ETHYLPYRAZOLE UND IHRE VERWENDUNG ALS HERBIZIDE

Title (fr)
4-(3-AMINO BENZOYL)-1-ÉTHYLPYRAZOLES ET LEUR UTILISATION COMME HERBICIDES

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Application
EP 08734918 A 20080401

Priority
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Abstract (en)
[origin: EP1980554A1] 4-(3-Aminobenzoyl)-1-ethylpyrazole derivatives are new. 4-(3-Aminobenzoyl)-1-ethylpyrazole derivatives of formula (I) and their salts (excluding (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)[2-methyl-3-(methylamino)-4-(methylsulfonyl)phenyl]methanone; [3-(ethylamino)-2-methyl-4-(methylsulfonyl)phenyl](1-ethyl-5-hydroxy-1H-pyrazol-4-yl)methanone; (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)[2-methyl-4-(methylsulfonyl)-3-(propylamino)phenyl]methanone; (1-ethyl-5-hydroxy-1H-pyrazol-4-yl){2-methyl-3-[(1-methylethyl)amino]-4-(methylsulfonyl)phenyl}methanone; [3-(butylamino)-2-methyl-4-(methylsulfonyl)phenyl](1-ethyl-5-hydroxy-1H-pyrazol-4-yl)methanone; (1-ethyl-5-hydroxy-1H-pyrazol-4-yl){3-[(2-methoxyethyl)amino]-2-methyl-4-(methylsulfonyl)phenyl}methanone; [3-(cyclopropylamino)-2-methyl-4-(methylsulfonyl)phenyl](1-ethyl-5-hydroxy-1H-pyrazol-4-yl)methanone; (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)[2-methyl-4-(methylsulfonyl)-3-(prop-2-en-1-ylamino)phenyl]methanone; and [3-(dimethylamino)-2-methyl-4-(methylsulfonyl)phenyl](1-ethyl-5-hydroxy-1H-pyrazol-4-yl)methanone), are new. R 1H, 1-6C alkyl or 1-4C alkoxy-1-6C alkyl; R 21-6C alkyl, 2-6C alkenyl, 2-6C alkynyl, 1-4C alkoxy-1-6C alkyl, di-1-4C alkoxy-1-6C alkyl, 1-4C alkoxy-1-4C alkoxy-1-6C alkyl, 3-6C cycloalkyl or 3-6C cycloalkyl-1-6C alkyl; Y' : 1-6C alkylsulfonyl, 1-4C alkoxy-1-6C alkylsulfonyl, phenylsulfonyl, thiophenyl-2-sulfonyl, benzoyl, 1-4C alkylbenzoyl-1-6C alkyl or benzyl, (all optionally mono- to tri-substituted by halo, 1-4C alkyl or 1-4C alkoxy), or H. An independent claim is included for a herbicidal composition comprises the compound (I). [Image] ACTIVITY : Herbicide; Plant growth inhibitor; Seed germination Inhibitor. The herbicide efficacy of [3-(cyclopropylmethyl-amino)-4-methanesulfonyl-2-methyl-phenyl]-(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)-methanone (Ie) was evaluated for pre-emergence herbicidal action against harmful plants e.g. Setaria viridis. The compound (Ie) showed 100% controlled of Setaria viridis. MECHANISM OF ACTION : None given.

IPC 8 full level
C07D 231/20 (2006.01); **A01N 43/56** (2006.01)

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