

Title (en)  
BENZOYLCYCLOHEXENONES, METHODS OF PREPARING THEM AND THEIR USE AS HERBICIDES AND PLANT-GROWTH REGULATORS.

Title (de)  
BENZOCYCLOHEXENONE, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG ALS HERBIZIDE UND PFLANZENWACHSTUMSREGULATOREN.

Title (fr)  
BENZOYLCYCLOHEXENONES, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION COMME HERBICIDES ET REGULATEURS DE CROISSANCE DES VEGETAUX.

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Application  
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Abstract (en)  
[origin: CA2151498A1] Compounds of the formula (I) <IMG> (I) in which n is 0 to 6, X is halogen, CN, OCN, SCN, C2-C4-alkynyl or CHR5R6 in which R5 and R6 independently of one another are CN, NO2, formyl, (halogen-substituted) (C1-C4-alkyl)carbonyl or (halogen-substituted) (C1-C4-alkoxy)carbonyl or (substituted) phenylcarbonyl, R1 is (halogen-substituted) C1-C4-alkyl, (halogensubstituted) C3-C6-cycloalkyl or (substituted) phenyl, R2 is halogen, CN, NO2, C1-C3-alkyl, C1-C3-alkoxy, C1-C3-haloalkyl, C1-C3-haloalkoxy or R7S(O)m- in which R7 is C1-C3-alkyl and m is zero, one or two, R3 is H, halogen, OH, C1-C3-alkyl, C1-C3-alkoxy, C1-C3- haloalkyl, C1-C3-haloalkoxy or (C1-C3-alkoxy)carbonyl and R4 is H, CN, NO2, halogen, C1-C3-haloalkyl, C1-C3-halo- alkoxy or R8S(O)p- in which R8 is C1-C3-alkyl and p is zero, one or two, are suitable according to the invention as selective herbicides or plant growth regulators. The compounds as such, with the exception of the compounds (I) in which X is C1, are also novel. They can be prepared from 2-benzoyl-1,3-cyclohexanediones via a multiplicity of routes.

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