

Title (en)

Substituted 3-(2'-nitro phenoxy)-alpha-phenoxy alcanoic acids and their derivatives, their preparation and their use as herbicides.

Title (de)

Substituierte 3-(2'-Nitro-phenoxy)-alpha-phenoxy-alkancarbonsäure und ihre Derivate, deren Herstellung und Verwendung als Herbizide.

Title (fr)

Acides 3-(2'-nitro-phénoxy)-alpha-phénoxy-alcanoïques substitués et leurs dérivés, leur préparation et leur utilisation comme herbicides.

Publication

EP 0000474 A1 19790207 (DE)

Application

EP 78100218 A 19780622

Priority

CH 806877 A 19770630

Abstract (en)

1. A 3-(2'-nitrophenoxy)-alpha-phenoxyalkanecarboxylic acid derivative of the general formula I see diagramm : EP0000474,P15,F3 wherein R1 represents hydrogen, C1 -C4 alkyl or C2 -C8 alkoxyalkyl, R2 represents hydrogen or C1 -C4 alkyl, R3 represents halogen, cyano or nitro, R4 represents halogen, cyano or trifluoromethyl, A represents cyano or the group -COB, B represents a radical OR5 , SR6 or NR7 R8 , R5 represents hydrogen or the cation of a base $1/n M^{*n}$ (anion), wherein M represents an alkali metal or alkaline earth metal cation or an ammonium radical see diagramm : EP0000474,P15,F4 n as integer 1, 2 or 3 corresponds to the valency of the cation, whilst Ra , Rb , Rc and Rd , each independently of the other, represent hydrogen, benzyl or an alkyl radical which is unsubstituted or substituted by -OH, -NH2 or C1 -C4 alkoxy ; and R5 further represents, a C1 -C8 alkyl radical which can be unsubstituted or substituted by halogen, cyano, nitro, hydroxyl or a 5- to 6-membered nitrogen-containing heterocyclic ring system, and a C2 -C8 alkyl radical which can be interrupted by oxygen, sulphur, nitrogen, carbonyl or carbonyloxy, a C3 -C6 cycloalkyl radical, a C3 -C6 alkenyl or alkynyl radical which can be substituted by halogen, a phenyl or benzyl radical which can be substituted by halogen, cyano, nitro, C1 -C4 alkyl, C1 -C4 alkoxy or trifluoromethyl, R6 represents a C1 -C8 alkyl radical which can be substituted by halogen, cyano, nitro or hydroxyl or interrupted by oxygen, sulphur, nitrogen, carbonyl or carbonyloxy, a C3 -C6 cycloalkyl radical, a C3 -C6 alkenyl or alkynyl radical which can be substituted by halogen, a phenyl or benzyl radical which can be substituted by halogen, cyano, nitro, C1 -C4 alkyl, C1 -C4 alkoxy or trifluoromethyl, R7 represents hydrogen, a C1 -C8 alkyl radical which can be substituted by halogen, cyano or hydroxyl, and a C2 -C8 alkyl radical which can be interrupted by oxygen, R8 represents a C1 -C4 alkyl radical or a C3 -C4 alkyl radical, and R7 and R8 , together with the nitrogen atom to which they are attached, also represent a 5- to 6-membered heterocyclic radical which can be interrupted by oxygen, sulphur, an imino, C1 -C4 alkylimino or phenylimino group.

Abstract (de)

Phenoxy-phenoxy- alkancarbonsäure und Derivate, welche herbizide Eigenschaften aufweisen, der Formel <IMAGE> worin R1 Wasserstoff, C1-C4 Alkyl oder C2-C8 Alkoxyalkyl; R2 Wasserstoff oder C1-C4 Alkyl; R3 Halogen, Cyan oder Nitro; R4 Halogen, Cyan oder Trifluoromethyl und A Cyan, Carboxyl ein Carboxylsäuresalz, eine Ester- oder Thioester sowie ein Amidrest sein kann; und deren Herstellung.

IPC 1-7

C07C 79/46; **A01N 9/20**; **C07C 153/09**

IPC 8 full level

C07D 295/08 (2006.01); **A01N 39/02** (2006.01); **A01N 43/84** (2006.01); **C07C 67/00** (2006.01); **C07C 201/00** (2006.01); **C07C 205/38** (2006.01); **C07C 205/43** (2006.01); **C07C 231/00** (2006.01); **C07C 235/20** (2006.01); **C07C 253/00** (2006.01); **C07C 255/16** (2006.01); **C07C 255/54** (2006.01); **C07C 313/00** (2006.01); **C07C 323/12** (2006.01); **C07C 325/00** (2006.01); **C07C 327/22** (2006.01)

CPC (source: EP)

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- [XP] NL 7707921 A 19780124 - HOECHST AG
- [A] NL 7708091 A 19780124 - CIBA GEIGY
- [A] FR 2348182 A1 19771110 - SORI SOC RECH IND [FR]
- [A] FR 2325638 A1 19770422 - ISHIHARA MINING & CHEMICAL CO [JP]
- [A] DE 2639796 A1 19770331 - ROHM & HAAS

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