

Title (en)

Trifluoromethyl pyridinyl(oxy/thio)phenoxy propanoic acids and propanols and derivatives thereof.

Title (de)

Trifluoromethyl Pyridinyl (oxy/thio) Phenoxypropansäure Propanole und ihre Derivate.

Title (fr)

Acides trifluorométhyl pyridinyl(oxy/thio)phénoxy propanoïques, les propanols correspondants et leurs dérivés.

Publication

EP 0000483 A1 19790207 (EN)

Application

EP 78100291 A 19780630

Priority

US 81794377 A 19770722

Abstract (en)

A trifluoromethylpyridyl (oxy/thio) phenoxypropionic compound corresponding to the formula <CHEM> wherein T is oxygen or sulfur; X is C1, Br, or CF3; Y is H, C1, Br, or CF3, provided at least one of X and Y is CF3; Z is -C-OR, -CNR1R2, -C-O<(-)>M<(+)>, -CN, -CH2OR3, -CH2OCR4, or -CSR5; M is <(+)>NHR1R1R1, Na, K, Mg, or Ca; R is H, C1-8 alkyl, benzyl, chlorobenzyl, or C3-6 alkoxyalkyl; R1 is H, C1-4 alkyl, or C2-3 hydroxyalkyl; R2 is R1 or -OCH3; R3 is H or c1-4 alkyl; R4 is C1-7 alkyl; and R5 is C1-4 alkyl. <?>Preparation starting from a trichloromethyl substituted pyridine. <?>The compounds are useful as herbicides, particularly for control of grassy weeds.

IPC 1-7

C07D 213/64; A01N 9/22; C07D 213/70

IPC 8 full level

A01N 43/40 (2006.01); **C07D 213/60** (2006.01); **C07D 213/61** (2006.01); **C07D 213/64** (2006.01); **C07D 213/643** (2006.01); **C07D 213/70** (2006.01); **C07D 233/64** (2006.01)

CPC (source: EP US)

A01N 43/40 (2013.01 - EP US); **C07D 213/61** (2013.01 - EP US); **C07D 213/643** (2013.01 - EP US); **C07D 213/70** (2013.01 - EP US)

Citation (search report)

- FR 2278675 A1 19760213 - ISHIHARA MINING & CHEMICAL CO [JP]
- FR 2329632 A1 19770527 - ISHIHARA MINING & CHEMICAL CO [JP]
- FR 2288089 A1 19760514 - ISHIHARA MINING & CHEMICAL CO [JP]
- JP S51142537 A 19761208 - ISHIHARA MINING & CHEMICAL CO
- [P] FR 2359129 A1 19780217 - CIBA GEIGY AG [CH]

Cited by

US4309210A; EP0029319A3; DE3009695A1; DE2755536A1; DE2812607A1; FR2406629A1; EP0021613A1; US4308053A; EP0003877A1; US5475131A; US5205855A; US4447257A; EP0024931A3; EP0008624A1; EP0004414A1; EP0426491A3; EP0003890A3; US4840664A; EP0021453A3; EP0107866A3; FR2398059A1; FR2501684A1; US4505743A; US5002604A; EP0024932A3; EP0006608A1; EP0004433A1; EP0200677A3; US4740235A; EP0097460A1; DE2812649A1; FR2501470A1; EP0247424A1; US4741756A; US4841035A; EP0110236A1; US4288599A; EP0057473A2; WO7900624A1; WO7900786A1; WO03068744A1; WO8200400A1; EP0042750B1; EP0111329B1; EP0028870B1; EP0001473B1

Designated contracting state (EPC)

BE DE FR GB NL SE

DOCDB simple family (publication)

EP 0057473 A2 19820811; EP 0057473 A3 19830511; AR 227618 A1 19821130; AU 1794183 A 19831208; AU 3770378 A 19800110; AU 519094 B2 19811105; AU 568503 B2 19880107; BR 7804724 A 19790410; BR 7804725 A 19790410; CA 1247625 A 19881228; CA 1321590 C 19930824; DE 2861155 D1 19811224; DE 2862194 D1 19830407; DE 57473 T1 19830804; DK 156830 B 19891009; DK 156830 C 19900312; DK 326078 A 19790123; EP 0000483 A1 19790207; EP 0000483 B1 19811014; EP 0017767 A1 19801029; EP 0017767 B1 19830302; HK 12182 A 19820326; JP H0219109 B2 19900427; JP S5424879 A 19790224; JP S56123971 A 19810929; JP S58201766 A 19831124; JP S5883675 A 19830519; JP S5890553 A 19830530; JP S5899464 A 19830613; JP S59130271 A 19840726; JP S5962567 A 19840410; JP S5962568 A 19840410; JP S5967202 A 19840416; JP S5967267 A 19840416; JP S5967268 A 19840416; JP S61106503 A 19860524; JP S6313961 B2 19880329; JP S63152302 A 19880624; JP S6317801 B2 19880415; JP S6344148 B2 19880902; JP S6344747 B2 19880906; JP S6350345 B2 19881007; JP S6352026 B2 19881017; JP S643192 B2 19890119; MY 8500039 A 19851231; NL 971019 I1 19971001; NZ 187756 A 19810424; US 4551170 A 19851105

DOCDB simple family (application)

EP 82101502 A 19780630; AR 27302078 A 19780720; AU 1794183 A 19830812; AU 3770378 A 19780703; BR 7804724 A 19780721; BR 7804725 A 19780721; CA 305900 A 19780621; CA 388668 A 19811023; DE 2861155 T 19780630; DE 2862194 T 19780630; DE 82101502 T 19780630; DK 326078 A 19780721; EP 78100291 A 19780630; EP 80101361 A 19780630; HK 12182 A 19820318; JP 12929283 A 19830715; JP 12929383 A 19830715; JP 12929483 A 19830715; JP 12929583 A 19830715; JP 12929683 A 19830715; JP 14111180 A 19801008; JP 14792983 A 19830812; JP 17314282 A 19821001; JP 17314382 A 19821001; JP 17314482 A 19821001; JP 20620187 A 19870819; JP 20771485 A 19850919; JP 6681383 A 19830415; JP 8928778 A 19780721; MY 8500039 A 19851230; NL 971019 C 19970723; NZ 18775678 A 19780703; US 67997684 A 19841210