

Title (en)  
SUBSTITUTED ARYL OXIMES

Title (de)  
SUBSTITUIERTE ARYLOXIME

Title (fr)  
ARYLOXIME SUBSTITUE

Publication  
**EP 1883622 A1 20080206 (DE)**

Application  
**EP 06849372 A 20060506**

Priority  
• EP 2006004256 W 20060506  
• DE 102005022384 A 20050514

Abstract (en)  
[origin: DE102005022384A1] 3-Haloalkoxy-phenyl-alkanone-O-substituted oxime derivatives (I) are new. 3-Haloalkoxy-phenyl-alkanone-O-substituted oxime derivatives of formula (I) are new. A 1CH 2CH=CCl 2, CH 2CH=CBr 2, CH 2CH=CClF, CH 2CF=CCl 2, CH 2CH 2CH=CF 2, CH 2CH=CBrCl, CH 2CH=CBrF, CF=CHCH=CH 2, CH 2CF=CFCH=CH 2, CH 2CH=CClCF 3, 3,3,3-trihalopropyl, 3,3-dihalopropyl, 2,3,3-trihalopropyl or CH 2CH=CClCH 3; A 2-X : e.g. bond, 1-8C alkylene, 2-8C alkenylene, 1-4C alkyl-CO-O or 1-4C alkyl-CO-NH; R 1e.g. H, nitro, OH, amino, CN, F, Cl, Br, I, 1-6C alkyl or 3-6C cycloalkyl; R 2e.g. H, nitro, OH, amino, CN, (thio)cyanato, CHO, halo, 1-6C alkyl, alkoxy, alkylthio, alkylsulfinyl or alkylsulfonyl; R 3, R 41-6C alkyl, 1-6C alkoxy, 1-6C alkylthio, (di)1-6C alkylamino or 1-6C alkylcarbonylamino (all optionally substituted by cyano, halo or 1-6C alkoxy), H, nitro, OH, amino, CN or halo; R 5H, 1-8C alkyl, 2-8C alkenyl, 3-8C cycloalkyl or optionally substituted aryl; R 6e.g. 2-6C alkenyl, 2-6C alkynyl, A 3Z or A 3C(M)Z; Z : optionally substituted (hetero)aryl; A 3bond or 1-6C alkylene (optionally substituted by halo or 3-6C cycloalkyl); M : O or NOR 7; and R 7e.g. 1-12C alkyl, 3-8C cycloalkyl, 1-6C alkylcarbonyl, 2-6C alkenyl, 2-6C alkynyl, aryl, heterocyclyl, benzyl (all optionally substituted) or H. The full definitions are given in the DEFINITIONS (Full Definitions) field. An independent claim is included for two methods for preparing (I). [Image] ACTIVITY : Insecticide; Acaricide; Arachnicide; Nematocide; Molluscicide; Protozoacide; Herbicide; Plant Growth Regulant; Fungicide; Plant Antifungal; Antibacterial; Plant Antibacterial; Virucide; Plant Antiviral. The test compound 1-[3-chloro-5-(3,3-dichloroallyloxy)-2-methoxyphenyl]ethanone O-[2-(5-trifluoromethylpyridin-2-yloxy)ethyl]oxime gave 100% control of Spodoptera frugiperda on maize when applied at 500 g/hectare. MECHANISM OF ACTION : None given.

IPC 8 full level  
**A01N 35/10** (2006.01); **A01N 37/22** (2006.01); **A01N 43/40** (2006.01); **A01N 47/20** (2006.01); **C07C 251/52** (2006.01); **C07C 251/54** (2006.01); **C07C 251/58** (2006.01); **C07C 251/60** (2006.01); **C07C 271/28** (2006.01); **C07C 323/18** (2006.01); **C07D 213/61** (2006.01); **C07D 213/64** (2006.01); **C07D 241/12** (2006.01); **C07D 277/24** (2006.01); **C07D 307/79** (2006.01)

CPC (source: EP KR US)  
**A01N 35/10** (2013.01 - EP US); **A01N 37/22** (2013.01 - EP US); **A01N 43/12** (2013.01 - EP US); **A01N 43/30** (2013.01 - EP US); **A01N 43/40** (2013.01 - EP US); **A01N 43/54** (2013.01 - EP US); **A01N 43/713** (2013.01 - EP US); **A01N 43/78** (2013.01 - EP US); **A01N 43/88** (2013.01 - EP US); **A01N 47/20** (2013.01 - EP US); **A61P 33/14** (2017.12 - EP); **C07C 251/50** (2013.01 - KR); **C07C 251/52** (2013.01 - EP KR US); **C07C 251/54** (2013.01 - EP US); **C07C 251/58** (2013.01 - EP US); **C07C 251/60** (2013.01 - EP US); **C07C 271/18** (2013.01 - KR); **C07C 271/28** (2013.01 - EP US); **C07D 213/61** (2013.01 - EP US); **C07D 213/64** (2013.01 - EP KR US); **C07D 241/12** (2013.01 - EP US); **C07D 277/24** (2013.01 - EP US); **C07D 307/79** (2013.01 - EP US); **C07C 2601/02** (2017.04 - EP US); **C07C 2601/14** (2017.04 - EP US)

Citation (search report)  
See references of WO 2007090434A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

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**DE 102005022384 A1 20070104**; AR 054190 A1 20070606; BR PI0611271 A2 20100824; CN 101193855 A 20080604; EP 1883622 A1 20080206; JP 2008540474 A 20081120; KR 20080015443 A 20080219; TW 200716521 A 20070501; US 2009221596 A1 20090903; WO 2007090434 A1 20070816

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**DE 102005022384 A 20050514**; AR P060101905 A 20060511; BR PI0611271 A 20060506; CN 200680020783 A 20060506; EP 06849372 A 20060506; EP 2006004256 W 20060506; JP 2008510470 A 20060506; KR 20077029002 A 20071212; TW 95116804 A 20060512; US 92026606 A 20060506