

Title (en)  
2-HETARYL-3,4-DIHYDRO-2H-PYRROLE DERIVATIVES

Title (de)  
2-HETARYL-3,4-DIHYDRO-2H-PYRROL-DERIVATE

Title (fr)  
DERIVES DE 2-HETARYLE-3,4-DIHYDRO-2H-PYRROLE

Publication  
**EP 1121357 A1 20010808 (DE)**

Application  
**EP 99948915 A 19991001**

Priority  
• DE 19847076 A 19981014  
• EP 9907295 W 19991001

Abstract (en)  
[origin: DE19847076A1] 2-Heteroaryl-5-phenyl-3,4-dihydro-2H-pyrrole derivatives (I) are new. Pyrroline derivatives of formula (I) are new: Het = optionally substituted (os), unsaturated 5-10 membered mono- or bicyclic heterocycle (e.g. 5- or 6-membered monocyclic heterocycle containing one or more of N, O and S); m = 0-4; R1 = halo, -X-A, -B-Z-D or -Y-E; R2 = H, halo, CN, NO2, alkyl, alkoxy, haloalkyl, haloalkoxy, alkoxyalkoxy or S(O)<sub>o</sub>R3; o = 0-2; R3 = alkyl or haloalkyl; X = direct bond, O, S, CO, COO, OCO, alkylene, alkenylene, alkynylene, oxyalkylene, thioalkylene, alkylenedioxy or dialkylsilylene; A = phenyl, naphthyl, tetrahydronaphthyl or 5-10 membered heterocycle containing 1 or 2 aromatic rings and one or more of O, S and N (all os); B = os p-phenylene; Z = O or S; D = H, alkyl, alkenyl, alkynyl, haloalkyl or haloalkenyl; or cycloalkyl, cycloalkylalkyl, cycloalkenyl, cycloalkenylalkyl, phenylalkyl, naphthylalkyl, tetrahydronaphthyl-alkyl or heteroarylalkyl (all os); or -COR4, -CONR5R6 or -(CH2)<sub>p</sub>-CR7R8q-(CH2)<sub>r</sub>-G; or -Z-D = os phenoxyalkyl; Y = direct bond, O, S, CO, COO, OCO, alkylene, alkenylene, alkynylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or as for B; E = H, alkyl, alkenyl, alkynyl, haloalkyl or haloalkenyl; cycloalkyl, cycloalkenyl, phenyl or heteroarylalkyl (all os); or -(CH2)<sub>p</sub>-CR7R8q-(CH2)<sub>r</sub>-G; R4 = alkyl, alkoxy, alkenyl or alkenyloxy; or cycloalkyl, cycloalkoxy, cycloalkylalkoxy, phenyl or naphthyl (all os); R5, R7, R8 = H or alkyl; R6 = alkyl or haloalkyl; or cycloalkyl, cycloalkylalkyl, phenyl or phenylalkyl (all os); p, q, r = 0-3, provided that their sum is less than 6; G = CN; os 5- or 6-membered heterocycle; or a wide range of other substituents. An Independent claim is included for the preparation of (I). Full Definitions are given in the 'DEFINITIONS - Preferred Definitions' field.

IPC 1-7  
**C07D 409/04**; **C07D 405/04**; **C07D 409/14**; **C07D 405/14**; **C07D 401/04**; **C07D 417/04**; **C07D 417/14**; **A01N 43/36**

IPC 8 full level  
**A01N 43/36** (2006.01); **A01N 43/40** (2006.01); **A01N 43/78** (2006.01); **C07D 401/04** (2006.01); **C07D 405/04** (2006.01); **C07D 405/14** (2006.01); **C07D 409/04** (2006.01); **C07D 409/14** (2006.01); **C07D 417/04** (2006.01); **C07D 417/14** (2006.01)

CPC (source: EP KR US)  
**A01N 43/36** (2013.01 - EP KR US); **C07D 401/04** (2013.01 - EP KR US); **C07D 405/04** (2013.01 - EP KR US); **C07D 405/14** (2013.01 - EP KR US); **C07D 409/04** (2013.01 - EP KR US); **C07D 409/14** (2013.01 - EP KR US); **C07D 417/04** (2013.01 - EP KR US); **C07D 417/14** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 0021958A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**DE 19847076 A1 20000420**; AU 6198899 A 20000501; AU 761113 B2 20030529; BR 9915544 A 20010814; CN 1323304 A 20011121; EP 1121357 A1 20010808; HK 1040991 A1 20020628; JP 2002527437 A 20020827; KR 20010085879 A 20010907; US 6599924 B1 20030729; WO 0021958 A1 20000420

DOCDB simple family (application)  
**DE 19847076 A 19981014**; AU 6198899 A 19991001; BR 9915544 A 19991001; CN 99812143 A 19991001; EP 9907295 W 19991001; EP 99948915 A 19991001; HK 02102440 A 20020402; JP 2000575864 A 19991001; KR 20017004250 A 20010403; US 80713601 A 20010405