

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)

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