

Title (en)

PYRROLE DERIVATIVES, PREPARATION OF SAME AND THERAPEUTIC APPLICATION THEREOF

Title (de)

PYRROLDERIVATE, IHRE HERSTELLUNG UND IHRE THERAPEUTISCHE VERWENDUNG

Title (fr)

DÉRIVÉS DE 1,5-DIPHÉNYLEPYRROLE-3-CARBOXAMIDE, LEUR PRÉPARATION ET LEUR UTILISATION COMME ANTAGONISTES DES RÉCEPTEURS CB1 DES CANNABINOÏDES

Publication

**EP 2283007 A2 20110216 (FR)**

Application

**EP 09750013 A 20090507**

Priority

- FR 2009000535 W 20090507
- FR 0802552 A 20080509

Abstract (en)

[origin: WO2009141532A2] The subject of the invention is compounds corresponding to the formula (I): in which: - A represents an unsubstituted or substituted (C1-C6)alkylene group; - R1 represents a hydrogen atom or an unsubstituted or substituted (C1-C4)alkyl group; - R2 represents a homopiperidin-1-yl, piperidin-1-yl, pyrrolidin-1-yl or azetidin-1-yl radical, or an amino (C1-C6)alkyl group; - or R1 and R2, together with the nitrogen atom to which they are attached, constitute a piperazin-1-yl, 1,4-diazepan-1-yl, homopiperidin-1-yl, piperidin-1-yl, pyrrolidin-1-yl or azetidin-1-yl radical; - R3, R4, R5, R6, R7, R8 each independently represent a hydrogen atom, a halogen atom, a -CN, -S(O)nR14, or -OS(O)nR14 group, or an unsubstituted or substituted (C1-C6)alkyl group; - R9 represents an -OR12, -CN, -CO2H, NR12R13, -CONR12R13, -NR15COR12, -CONH2, -CONHOH, -CONHSO2R14, -S(O)nR14, -SO2NR12R13, -NR18SO2R14, or -NR15SO2NR12R13 group, or an aromatic heterocycle. The present invention also relates to the methods of preparation and the therapeutic applications of the compounds of formula (I).

IPC 8 full level

**C07D 401/12** (2006.01); **A61K 31/4025** (2006.01); **A61K 31/454** (2006.01); **A61K 31/4545** (2006.01); **A61P 1/00** (2006.01); **A61P 3/00** (2006.01); **A61P 25/00** (2006.01); **A61P 29/00** (2006.01); **C07D 207/34** (2006.01); **C07D 207/38** (2006.01); **C07D 211/38** (2006.01); **C07D 211/62** (2006.01); **C07D 211/64** (2006.01); **C07D 401/06** (2006.01); **C07D 401/14** (2006.01)

CPC (source: EP US)

**A61P 1/00** (2018.01 - EP); **A61P 1/04** (2018.01 - EP); **A61P 1/08** (2018.01 - EP); **A61P 1/12** (2018.01 - EP); **A61P 1/14** (2018.01 - EP); **A61P 1/16** (2018.01 - EP); **A61P 3/00** (2018.01 - EP); **A61P 3/04** (2018.01 - EP); **A61P 3/06** (2018.01 - EP); **A61P 3/10** (2018.01 - EP); **A61P 19/02** (2018.01 - EP); **A61P 19/08** (2018.01 - EP); **A61P 19/10** (2018.01 - EP); **A61P 25/00** (2018.01 - EP); **A61P 25/04** (2018.01 - EP); **A61P 25/14** (2018.01 - EP); **A61P 25/16** (2018.01 - EP); **A61P 25/18** (2018.01 - EP); **A61P 25/28** (2018.01 - EP); **A61P 25/30** (2018.01 - EP); **A61P 29/00** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **A61P 37/02** (2018.01 - EP); **C07D 401/06** (2013.01 - EP US); **C07D 401/14** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**FR 2930939 A1 20091113; FR 2930939 B1 20100730;** AR 071688 A1 20100707; EP 2283007 A2 20110216; JP 2011519905 A 20110714; JP 5611193 B2 20141022; PA 8825701 A1 20091216; PE 20091830 A1 20091221; TW 200951120 A 20091216; US 2011152320 A1 20110623; US 8680102 B2 20140325; UY 31814 A 20100105; WO 2009141532 A2 20091126; WO 2009141532 A3 20100211

DOCDB simple family (application)

**FR 0802552 A 20080509;** AR P090101646 A 20090507; EP 09750013 A 20090507; FR 2009000535 W 20090507; JP 2011507967 A 20090507; PA 8825701 A 20090507; PE 2009000633 A 20090507; TW 98115181 A 20090507; US 94278010 A 20101109; UY 31814 A 20090507