Title (en)

DERIVATIVES OF IMIDAZO, PYRIMIDO AND DIAZEPINE PYRIMIDINE-DIONE, AND USE THEREOF AS A DRUG

Title (de)

DERIVATE VON IMIDAZO-, PYRIMIDO- UND DIAZEPIN-PYRIMIDIN-DION SOWIE DEREN VERWENDUNG ALS ARZNEIMITTEL

Title (fr)

DÉRIVÉS D'IMIDAZO, PYRIMIDO ET DIAZÉPINE PYRIMIDINE-DIONE ET LEUR UTILISATION COMME MÉDICAMENT

Publication

EP 2129675 A2 20091209 (FR)

Application

EP 07872379 A 20071217

Priority

- FR 2007002090 W 20071217
- FR 0611001 A 20061218

Abstract (en)

[origin: FR2910001A1] Tricyclic pyrimidone derivatives (I) are new. Tricyclic pyrimidone derivatives of formula (I) are new. L 1CR 3R 4; L 2CR 5R 6; R 1-R 6H, OH, halo, 1-8C alkyl, 1-8C haloalkyl, 2-8C alkenyl, 2-8C alkynyl, 3-8C cycloalkyl, 3-7C heterocycloalkyl, (1-6C)alkoxy(1-8C)alkyl, (1-6C)alkylthio(1-8C)alkyl, aryl, heteroaryl, aralkoxy, aralkylthio or (CH 2) pR 7, all optionally substituted with halo, NO 2, OH, oxo, NH 2, carboxamide, 1-6C alkylcarbonyl, 1-8C alkyl, 1-8C haloalkyl, 1-8C alkoxy, 1-8C haloalkoxy, aryl or aryloxy, or CR 1R 2, CR 3R 4or CR 5R 6is 3-8C cycloalkyl, 3-7C heterocycloalkyl, indanyl, tetrahydronaphthyl or decahydronaphthyl, all optionally substituted with halo, OH, 1-8C alkyl, 1-8C haloalkyl or 1-6C alkoxy, or CR 3R 4+CR 1R 2or CR 3R 4+CR 5R 6is cycloalkenyl, heterocycloalkenyl, aryl or heteroaryl, all optionally substituted with halo, NO 2, OH, NH 2, carboxamide, 1-6C alkylcarbonyl, 1-8C alkyl, 1-8C haloalkyl, 1-8C alkoxy, 1-8C haloalkoxy; p : 1-4; R 71-8C alkoxycarbonyl, CONRR', 3-8C cycloalkyl, 3-7C heterocycloalkyl, aryl or heteroaryl, all optionally substituted with halo, NO 2, OH, NH 2, carboxamide, 1-6C alkylcarbonyl, 1-8C alkyl, 1-8C haloalkyl, 1-8C alkoxy, 1-8C haloalkoxy or aralkoxy; R, R' : H, 1-8C alkyl, 1-8C haloalkyl, 2-8C alkenyl, 2-8C alkynyl, 3-8C cycloalkyl, 3-7C heterocycloalkyl, aryl, heteroaryl, or NRR' is 3-7C heterocycloalkyl; Z : N or CH; Y' : O, CHR 8or NR 8; R 8H, 1-6C alkyl or 1-6C haloalkyl; A : a monocyclic or fused bicyclic ring optionally containing O, S or N and optionally substituted with halo, NO 2, CN, oxy, X'Y' or aryl optionally substituted with halo, 1-6C alkyl and 1-6C haloalkyl; X' : a bond, O, S, CO, NR"CO, CONR", COO, SO 2or SO 2NH; Y' : H, 1-6C alkyl or 1-6C haloalkyl; R" : H or 1-6C alkyl; n, m : 0 or 1. Independent claims are also included for three processes for preparing (I). [Image] ACTIVITY : Cytostatic; Antiinflammatory; Neuroprotective; Antiparkinsonian. MECHANISM OF ACTION : CB2 cannabinoid receptor ligand. Test details are described but no results given.

IPC 8 full level

C07D 487/04 (2006.01); **A61K 31/519** (2006.01); **A61P 25/00** (2006.01); **A61P 35/00** (2006.01)

CPC (source: EP US)

A61P 25/00 (2017.12 - EP); **A61P 25/14** (2017.12 - EP); **A61P 25/16** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **C07D 487/04** (2013.01 - EP US); **C07D 487/10** (2013.01 - EP US); **C07D 495/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2008090286A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

FR 2910001 A1 20080620; **FR 2910001 B1 20090320**; EP 2129675 A2 20091209; US 2010144714 A1 20100610; WO 2008090286 A2 20080731; WO 2008090286 A3 20080918

DOCDB simple family (application)

FR 0611001 A 20061218; EP 07872379 A 20071217; FR 2007002090 W 20071217; US 51964707 A 20071217