Title (en)

MELANOCORTIN RECEPTOR-SPECIFIC PIPERAZINE COMPOUNDS WITH DIAMINE GROUPS

Title (de)

MELANOCORTIN REZEPTORSPEZIFISCHE PIPERAZIN-VERBINDUNGEN MIT DIAMIN-GRUPPEN

Title (fr)

COMPOSES DE PIPERAZINE SPECIFIQUES DU RECEPTEUR DE LA MELANOCORTINE AVEC GROUPES DIAMINE

Publication

EP 1922072 A4 20101229 (EN)

Application

EP 06813393 A 20060811

Priority

- US 2006031472 W 20060811
- US 70748805 P 20050811

Abstract (en)

[origin: WO2007021990A2] Melanocortin receptor-specific compounds with diamine groups of the general formula (I) and pharmaceutically acceptable salts thereof, where W is a diamine heteroatom unit with at least one cationic center, hydrogen bond donor or hydrogen bond acceptor, J, Q, L₁, L₂, L₃, R_{1a}, R_{1b}, R_{2a}, R_{2b} and X are as defined in the specification, and the carbon atom marked with an asterisk can have any stereochemical configuration. Compounds disclosed herein bind to one or more melanocortin receptors and may be an agonist, a partial agonist, an antagonist, an inverse agonist or an antagonist of an inverse agonist as to one or more melanocortin receptors, and may be employed for treatment of one or more melanocortin receptor-associated conditions or disorders, including specifically treatment of obesity and related conditions.

IPC 8 full level

A61K 31/496 (2006.01); **A61P 15/10** (2006.01); **C07D 241/04** (2006.01); **C07D 241/14** (2006.01)

CPC (source: EP)

A61P 1/14 (2017.12); **A61P 3/00** (2017.12); **A61P 3/04** (2017.12); **A61P 7/00** (2017.12); **A61P 15/00** (2017.12); **A61P 15/08** (2017.12); **A61P 15/10** (2017.12); **A61P 25/02** (2017.12); **A61P 43/00** (2017.12); **C07D 241/04** (2013.01); **C07D 403/12** (2013.01)

Citation (search report)

- [Y] US 2004157264 A1 20040812 - SHARMA SHUBH D [US], et al
- [Y] US 2005130988 A1 20050616 - SHARMA SHUBH D [US], et al
- See references of WO 2007021990A2

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

DOCDB simple family (publication)

WO 2007021990 A2 20070222; **WO 2007021990 A3 20070809**; CN 101272788 A 20080924; CN 101272789 A 20080924; EP 1919479 A2 20080514; EP 1919479 A4 20101117; EP 1922072 A2 20080521; EP 1922072 A4 20101229; JP 2009504671 A 20090205; JP 2009504672 A 20090205; WO 2007021991 A2 20070222; WO 2007021991 A3 20070712

DOCDB simple family (application)

US 2006031472 W 20060811; CN 200680035327 A 20060811; CN 200680035381 A 20060811; EP 06813393 A 20060811; EP 06813394 A 20060811; JP 2008526249 A 20060811; JP 2008526250 A 20060811; US 2006031474 W 20060811