

Title (en)

AMINO ACID DERIVATIVES USED AS PHARMACEUTICAL SUBSTANCES

Title (de)

AMINOSAUREDERIVATE ALS ARZNEISTOFFE

Title (fr)

DÉRIVÉS D'ACIDES AMINÉS UTILISÉS COMME SUBSTANCES PHARMACEUTIQUES

Publication

EP 2242488 A2 20101027 (DE)

Application

EP 09706232 A 20090202

Priority

- EP 2009051162 W 20090202
- DE 102008007440 A 20080201

Abstract (en)

[origin: WO2009095503A2] The invention relates to a method for improving bioavailability of pharmaceutical substances and for allowing said pharmaceutical substances to permeate the blood-brain barrier, said pharmaceutical substances having at least one or more amidine, guanidine, N-hydroxyamidine (amidoxime) or N-hydroxyguanidine functions. The invention also relates to medicaments containing correspondingly modified pharmaceutical substances.

IPC 8 full level

A61K 31/155 (2006.01); **A61K 31/401** (2006.01); **A61P 7/02** (2006.01); **A61P 31/12** (2006.01)

CPC (source: EP KR US)

A61K 31/155 (2013.01 - EP KR US); **A61K 31/401** (2013.01 - EP KR US); **A61P 7/02** (2017.12 - EP); **A61P 9/12** (2017.12 - EP);
A61P 11/00 (2017.12 - EP); **A61P 25/00** (2017.12 - EP); **A61P 31/12** (2017.12 - EP); **A61P 31/16** (2017.12 - EP); **A61P 31/18** (2017.12 - EP);
A61P 33/02 (2017.12 - EP); **A61P 33/08** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07C 249/12** (2013.01 - US);
C07C 251/64 (2013.01 - US); **Y02A 50/30** (2017.12 - EP US)

Citation (search report)

See references of WO 2009095503A2

Citation (examination)

WO 2008009264 A1 20080124 - UNIV KIEL CHRISTIAN ALBRECHTS [DE], et al

Citation (third parties)

Third party :

CLEMENT B. ET AL: "Isolation and characterization of the protein components of the liver microsomal O2-insensitive NADH-benzamidoxime reductase", THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 272, no. 31, 1 August 1997 (1997-08-01), pages 19615 - 19620, XP002993713

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)

WO 2009095503 A2 20090806; WO 2009095503 A3 20091203; AU 2009209564 A1 20090806; AU 2009209564 B2 20150702;
BR PI0906733 A2 20150714; CA 2713780 A1 20090806; CA 2713780 C 20160920; CN 101969941 A 20110209; CN 101969941 B 20141126;
DE 102008007440 A1 20090813; EP 2242488 A2 20101027; EP 2848249 A2 20150318; EP 2848249 A3 20150722; HK 1209022 A1 20160324;
IL 207287 A0 20101230; JP 2012516830 A 20120726; JP 5631218 B2 20141126; KR 20100106588 A 20101001; KR 20160080116 A 20160707;
US 2011021835 A1 20110127; US 2014066648 A1 20140306; US 8658826 B2 20140225; ZA 201004864 B 20110330

DOCDB simple family (application)

EP 2009051162 W 20090202; AU 2009209564 A 20090202; BR PI0906733 A 20090202; CA 2713780 A 20090202;
CN 200980103402 A 20090202; DE 102008007440 A 20080201; EP 09706232 A 20090202; EP 14195400 A 20090202;
HK 15108910 A 20150911; IL 20728710 A 20100729; JP 2010544725 A 20090202; KR 20107018473 A 20090202; KR 20167017655 A 20090202;
US 201314077857 A 20131112; US 84754410 A 20100730; ZA 201004864 A 20100709