Title (en)

DIARYLAMINE DERIVATIVES AS CALCIUM CHANNEL BLOCKERS

Title (de)

DIARYLAMINDERIVATE ALS CALCIUMKANALBLOCKER

Title (fr)

DERIVES DE DIARYLAMINE UTILISES COMME BLOQUANTS DES CANAUX CALCIQUES

Publication

EP 1745042 A4 20100714 (EN)

Application

EP 05734348 A 20050408

Priority

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- US 92856404 A 20040827

Abstract (en)

[origin: WO2005097779A1] N-diarylaminoalkyl-substituted piperazine/4-aminopiperidine compounds of formula (1) are disclosed, wherein each of A and B is independently a 6-membered aromatic or nonaromatic, carbocyclic or heterocyclic moiety or is an aminoalkyl and wherein one and only one of A and B may be H or alkyl (1-8C) or wherein A and B together form an optionally substituted 6-membered aromatic of nonaromatic, carbocyclic or heterocyclic moiety; R<1> is H or alkyl (1-8C), Z is N or CHNR<2> wherein R<2> is H or alkyl (1-8C), X is straight chain alkylene (1-4C) wherein optionally at least one carbon adjacent to a nitrogen is in the form of C=0; each R<3> is an independent substituent; n=0-2; Ar is a six-membered aromatic or heteroaromatic ring; wherein each cyclic moiety included in A or B each Ar moiety in formula (1) may be substituted by one or more substituents. These compounds and salts or conjugated thereof are able to block N-type and T-type calcium channels and are useful for treating conditions mediated by calcium ion channel activity such as chronic pain.

IPC 8 full level

C07D 211/58 (2006.01); **A61K 31/4468** (2006.01); **A61K 31/495** (2006.01); **A61K 31/496** (2006.01); **A61P 25/04** (2006.01); **C07D 211/26** (2006.01); **C07D 211/56** (2006.01); **C07D 213/38** (2006.01); **C07D 241/04** (2006.01); **C07D 241/08** (2006.01); **C07D 295/13** (2006.01); **C07D 295/15** (2006.01); **C07D 295/185** (2006.01); **C07D 317/58** (2006.01); **C07D 401/06** (2006.01); **C07D 405/06** (2006.01)

CPC (source: EP KR)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2005097779A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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