

Title (en)  
ALLOSTERIC MODULATORS OF THE A1 ADENOSINE RECEPTOR

Title (de)  
ALLOSTERISCHE MODULATOREN DES A1-ADENOSIN-RZEPTORS

Title (fr)  
MODULATEURS ALLOSTÉRIQUES DU RÉCEPTEUR DE L'ADÉNOSINE A1

Publication  
**EP 2081575 A4 20100106 (EN)**

Application  
**EP 07864306 A 20071113**

Priority

- US 2007084490 W 20071113
- US 85850506 P 20061113
- US 93851407 A 20071112
- US 93846507 A 20071112

Abstract (en)  
[origin: WO2008063984A2] The present invention provides compounds of formula (I) wherein R<SUB>1</SUB>, R<SUB>2</SUB>, R<SUB>3</SUB>, R<SUB>4</SUB> and Q have a meaning as defined herein in the specification. The compounds of formula (I) are allosteric modulators of the A<SUB>1</SUB> adenosine receptor and, thus, may be employed for the treatment of conditions mediated by the A<SUB>1</SUB> adenosine receptor. Accordingly, the compounds of formula (I) may be employed for treatment of pain, in particular, chronic pain such as neuropathic pain; cardiac disease or disorder such as cardiac disarrhythmias, e.g., peroxysmal supraventricular tachycardia, angina, myocardial infarction and stroke; neurological disease or injury; sleep disorder; epilepsy; and depression.

IPC 8 full level  
**A61K 31/497** (2006.01); **A61P 9/04** (2006.01); **C07D 409/12** (2006.01); **C07D 487/04** (2006.01); **C07D 487/08** (2006.01); **C07D 487/10** (2006.01); **C07D 491/113** (2006.01)

CPC (source: EP KR)  
**A61K 31/38** (2013.01 - KR); **A61P 9/00** (2017.12 - EP); **A61P 9/04** (2017.12 - EP); **A61P 9/06** (2017.12 - EP); **A61P 9/10** (2017.12 - EP); **A61P 25/04** (2017.12 - EP); **A61P 25/08** (2017.12 - EP); **A61P 25/22** (2017.12 - EP); **A61P 25/26** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 333/36** (2013.01 - EP KR); **C07D 405/02** (2013.01 - KR); **C07D 409/12** (2013.01 - EP); **C07D 487/04** (2013.01 - EP); **C07D 487/08** (2013.01 - EP); **C07D 487/10** (2013.01 - EP); **C07D 491/113** (2013.01 - EP)

Citation (search report)

- [X] WO 9921617 A2 19990506 - MEDCO RES INC [US], et al
- See references of WO 2008063984A2

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008063984 A2 20080529**; **WO 2008063984 A3 20080814**; AU 2007323888 A1 20080529; BR PI0718520 A2 20131119; CA 2669447 A1 20080529; EP 2081575 A2 20090729; EP 2081575 A4 20100106; IL 198402 A0 20100217; JP 2010509402 A 20100325; KR 20090112627 A 20091028; MX 2009004763 A 20090521

DOCDB simple family (application)  
**US 2007084490 W 20071113**; AU 2007323888 A 20071113; BR PI0718520 A 20071113; CA 2669447 A 20071113; EP 07864306 A 20071113; IL 19840209 A 20090426; JP 2009537305 A 20071113; KR 20097009765 A 20071113; MX 2009004763 A 20071113