

Title (en)

PROCESS FOR PREPARING FLUOROMETHYL-SUBSTITUTED HETEROCYCLIC COMPOUNDS

Title (de)

VERFAHREN ZUR HERSTELLUNG FLUORMETHYLSUBSTITUIERTER HETEROCYCLISCHER VERBINDUNGEN

Title (fr)

PROCÉDÉ DE FABRICATION DE COMPOSÉS HÉTÉROCYCLIQUES À SUBSTITUTION FLUOROMÉTHYLE

Publication

EP 2121618 A1 20091125 (DE)

Application

EP 07858009 A 20071220

Priority

- EP 2007064390 W 20071220
- EP 06126937 A 20061221
- EP 07858009 A 20071220

Abstract (en)

[origin: WO2008077907A1] The present invention relates to a process for the preparation of fluoromethyl-substituted heterocyclic compounds of the general formula (I), in which R¹ is H or F; R² is a group -[A-O]_m-R³, in which A is C₂-C₄-alkanediyl, R³ is C₁-C₄-alkyl and m is 1 or 2, by reaction of the corresponding chloromethyl-substituted compounds (II) in the presence of fluorinating agents, to processes for preparing the chloromethyl-substituted compounds (II), to processes for preparing amides of the general formula (IV), and to compounds of the general formulae (I) and (II).

IPC 8 full level

C07D 231/14 (2006.01)

CPC (source: EP KR US)

C07D 231/14 (2013.01 - EP KR US)

Citation (search report)

See references of WO 2008077907A1

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 2008077907 A1 20080703; AR 064631 A1 20090415; AU 2007338031 A1 20080703; AU 2007338031 B2 20120816; BR PI0720410 A2 20131231; CA 2671527 A1 20080703; CN 101558044 A 20091014; EA 200900817 A1 20091230; EP 2121618 A1 20091125; IL 199124 A 20130530; JP 2010513411 A 20100430; KR 20090107506 A 20091013; MX 2009005863 A 20090612; UA 96971 C2 20111226; US 2010022782 A1 20100128; US 7994207 B2 20110809

DOCDB simple family (application)

EP 2007064390 W 20071220; AR P070105797 A 20071220; AU 2007338031 A 20071220; BR PI0720410 A 20071220; CA 2671527 A 20071220; CN 200780046490 A 20071220; EA 200900817 A 20071220; EP 07858009 A 20071220; IL 19912409 A 20090603; JP 2009542079 A 20071220; KR 20097015204 A 20071220; MX 2009005863 A 20071220; UA A200907476 A 20071220; US 51903207 A 20071220