

Title (en)
METHOD FOR PREPARING COMPOUNDS DERIVED FROM THIAZOLIDINEDIONE, OXAZOLIDINEDIONE OR HYDANTOIN

Title (de)
VERFAHREN ZUR HERSTELLUNG VON THIAZOLIDINDION-DERIVATEN ODER VON OXAZOLIDINDION-DERIVATEN

Title (fr)
PROCEDE DE PREPARATION DE COMPOSES DERIVES DE THIAZOLIDINEDIONE D'OXAZOLIDINEDIONE

Publication
EP 1360179 A2 20031112 (FR)

Application
EP 02704834 A 20020214

Priority
• FR 0200571 W 20020214
• FR 0102010 A 20010214
• FR 0105206 A 20010417

Abstract (en)
[origin: US2004059121A1] A method for preparing a thiazolidinedione, oxazolidinedione or hydantoin compound of formula (I) from a compound of formula (II): wherein Q represents an oxygen atom or a sulfur atom; Q1 represents an oxygen atom or a sulfur atom; R1 and R2, which can be identical or different, represent a hydrogen atom, a C1-10 alkyl chain, a cycloalkyl, an alkylaryl, an arylalkyl; the alkyl, cycloalkyl, alkylaryl or arylalkyl groups being optionally substituted by an alkyl, an alkoxy or aryloxy, a halogen, a hydroxy, a sulfino, a sulfonyl, an amino such as NH₂, NHR₃, N(R₃)₂, wherein R₃ represents an alkyl, an alkoxy or an alkylcarbonyl, reacting a compound of formula (II) with formic acid, either as a hydrogen donor in a hydrogen-transfer reaction or as a solvent in a hydrogenation reaction, in the presence of a catalyst containing a transition metal to obtain a corresponding compound of formula (I).

IPC 1-7
C07D 277/34

IPC 8 full level
C07B 61/00 (2006.01); **C07D 233/54** (2006.01); **C07D 233/78** (2006.01); **C07D 233/84** (2006.01); **C07D 233/96** (2006.01); **C07D 263/44** (2006.01); **C07D 277/20** (2006.01); **C07D 277/34** (2006.01); **C07D 417/12** (2006.01)

CPC (source: EP KR US)
C07D 233/78 (2013.01 - EP US); **C07D 233/96** (2013.01 - EP US); **C07D 263/44** (2013.01 - EP US); **C07D 277/20** (2013.01 - EP US); **C07D 277/34** (2013.01 - EP US); **C07D 417/12** (2013.01 - EP KR US)

Citation (search report)
See references of WO 02064577A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2004059121 A1 20040325; **US 6849741 B2 20050201**; AU 2002238645 A1 20020828; BR 0206967 A 20040309; CA 2438105 A1 20020822; CN 1491218 A 20040421; EP 1360179 A2 20031112; FR 2820742 A1 20020816; FR 2820742 B1 20050311; IL 157101 A0 20040208; JP 2004520401 A 20040708; KR 100856140 B1 20080903; KR 20030082594 A 20031022; MX PA03007263 A 20050214; RU 2003127720 A 20050320; WO 02064577 A2 20020822; WO 02064577 A3 20030103

DOCDB simple family (application)
US 63615503 A 20030807; AU 2002238645 A 20020214; BR 0206967 A 20020214; CA 2438105 A 20020214; CN 02804969 A 20020214; EP 02704834 A 20020214; FR 0105206 A 20010417; FR 0200571 W 20020214; IL 15710102 A 20020214; JP 2002564510 A 20020214; KR 20037010672 A 20030813; MX PA03007263 A 20020214; RU 2003127720 A 20020214