

Title (en)

PROCESS FOR PREPARING 1,2,6,7-TETRAHYDRO-8H-INDENO[5,4-B]FURAN-8-ONE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON 1,2,6,7-TETRAHYDRO-8H-INDEN[5,4-B]FURAN-8-ON

Title (fr)

PROCÉDÉ DE PRÉPARATION DE 1,2,6,7-TÉTRAHYDRO-8H-INDENO[5,4-B]FURAN-8-ONE

Publication

EP 2483258 A1 20120808 (EN)

Application

EP 10763319 A 20100929

Priority

- EP 09171564 A 20090929
- EP 2010005941 W 20100929
- EP 10763319 A 20100929

Abstract (en)

[origin: WO2011044990A1] The invention provides a process for preparing 1,2,6,7-tetrahydro-8H-indeno-[5,4-b]furan-8-one (I), said process comprising the steps: (i) subjecting 6-hydroxy-7-allyl-indan-1-one to ozonolysis followed by reduction in the presence of methanol to form 2-methoxy-1,2,6,7-tetrahydro-8H-indeno[5,4-b]furan-8-one; (ii) subjecting 6-hydroxy-7-allyl-indan-1-one to alcohol elimination to form 6,7-dihydro-8H-indeno-[5,4-b]furan-8-one; and (iii) subjecting 6,7-dihydro-8H-indeno-[5,4-b]furan-8-one to hydrogenation to obtain 1,2,6,7-tetrahydro-8H-indeno[5,4-b]furan-8-one.

IPC 8 full level

C07D 307/93 (2006.01)

CPC (source: EP)

C07D 307/93 (2013.01)

Citation (search report)

See references of WO 2011044990A1

Designated contracting state (EPC)

AL 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 SM TR

DOCDB simple family (publication)

WO 2011044990 A1 20110421; CN 102648192 A 20120822; CN 102648192 B 20150826; EP 2483258 A1 20120808

DOCDB simple family (application)

EP 2010005941 W 20100929; CN 201080042317 A 20100929; EP 10763319 A 20100929