

Title (en)

METHOD FOR ENZYMATIC REDUCTION OF ALKENE DERIVATES

Title (de)

VERFAHREN ZUR ENZYMATISCHEN REDUKTION VON ALKENDERIVATEN

Title (fr)

PROCÉDÉ DESTINÉ À LA RÉDUCTION ENZYMATIQUE DE DÉRIVÉS D'ALCÈNES

Publication

EP 2145009 A1 20100120 (DE)

Application

EP 07822525 A 20071113

Priority

- EP 2007062251 W 20071113
- EP 06124126 A 20061115
- EP 06126993 A 20061222
- EP 07822525 A 20071113

Abstract (en)

[origin: WO2008058951A1] Process for enzymatic production of compounds of the general formula (2) from unsaturated alkene derivatives of the general formula (1) by reduction of a compound of the formula (1) in the presence of a reductase comprising at least one of the polypeptide sequences SEQ ID NO: 1, 2, or 3 or having a functionally equivalent polypeptide sequence which has at least 80% sequence identity with SEQ ID NO: 1, 2, or 3.

IPC 8 full level

C12P 7/24 (2006.01); **C12P 7/26** (2006.01); **C12P 7/40** (2006.01); **C12P 7/46** (2006.01); **C12P 7/62** (2006.01); **C12P 13/00** (2006.01); **C12P 17/10** (2006.01); **C12P 41/00** (2006.01)

CPC (source: EP US)

C12P 7/24 (2013.01 - EP US); **C12P 7/26** (2013.01 - EP US); **C12P 7/40** (2013.01 - EP US); **C12P 7/46** (2013.01 - EP US); **C12P 7/62** (2013.01 - EP US); **C12P 13/008** (2013.01 - EP US); **C12P 17/10** (2013.01 - EP US); **C12P 41/002** (2013.01 - EP US)

Citation (search report)

See references of WO 2008058951A1

Citation (examination)

ROHDICH F ET AL: "Enoate reductases of Clostridia: Cloning, sequencing, and expression", JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY FOR BIOCHEMISTRY AND MOLECULAR BIOLOGY, US, vol. 276, no. 8, 23 February 2001 (2001-02-23), pages 5779 - 5787, XP002285475, ISSN: 0021-9258, DOI: 10.1074/JBC.M008656200

Citation (third parties)

Third party :

- AUTERHOFF H. ET AL: "Lehrbuch der Pharmazeutischen Chemie", vol. 14, 1999, pages: 269 - 270, XP003029025
- ROMPP: "Citronellal-excerpt", 1995, pages 1, XP003029026

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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