

Title (en)

IMPROVED BIOCATALYSTS FOR MANUFACTURING DULOXETINE ALCOHOL

Title (de)

VERBESSERTE BIODATYKATYSATOREN ZUR HERSTELLUNG VON DULOXETINALKOHOL

Title (fr)

BIOCATALYSEURS AMÉLIORÉS POUR LA FABRICATION D'ALCOOL DE DULOXÉTINE

Publication

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Application

EP 09784086 A 20091216

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Abstract (en)

[origin: WO2010079068A1] The present invention relates to novel phenylethanol dehydrogenase mutants, to a method for the manufacture thereof; to coded nucleic acid sequences therefor, to expression cassettes, to vectors and recombinant microorganisms that contain said sequences; to a method for the biocatalytic synthesis of substituted, optically active alcohols and to the use of said mutants; and particularly to a method for manufacturing duloxetine alcohol or duloxetine, comprising a synthesis step catalyzed biocatalytic by said mutants.

IPC 8 full level

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Citation (search report)

See references of WO 2010079068A1

Citation (examination)

A. PENNACCHIO ET AL: "Purification and Characterization of a Novel Recombinant Highly Enantioselective Short-Chain NAD(H)-Dependent Alcohol Dehydrogenase from *Thermus thermophilus*", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 74, no. 13, 1 July 2008 (2008-07-01), pages 3949 - 3958, XP055123056, ISSN: 0099-2240, DOI: 10.1128/AEM.00217-08

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