

Title (en)

CATALYTIC ASYMMETRIC DESYMMETRIZATION OF PROCHIRAL AND MESO CYCLIC ANHYDRIDES

Title (de)

KATALYTISCHE ASYMMETRISCHE DESYMMETRISIERUNG VON PROCHIRALEN UND MESO-FORM AUFWEISENDEN CYCLISCHEN ANHYDRIDEN

Title (fr)

DESYMMETRISATION ASYMETRIQUE CATALYTIQUE D'ANHYDRIDES PROCHIRAUX ET MESOCYCLIQUES

Publication

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Application

EP 04755066 A 20040611

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- US 48421803 P 20030701

Abstract (en)

[origin: WO2004110609A2] One aspect of the present invention relates to cinchona-alkaloid-based catalysts. A second aspect of the invention relates to a method of preparing a derivatized cinchona-alkaloid catalyst. Another aspect of the present invention relates to a method of preparing a chiral, nonracemic compound from a prochiral cyclic anhydride or a meso cyclic anhydride, comprising the step of: reacting a prochiral cyclic anhydride or a meso cyclic anhydride with a nucleophile in the presence of a derivatized cinchona-alkaloid catalyst. Yet another aspect of the present invention relates to a method of kinetic resolution, comprising the step of: reacting a racemic cyclic anhydride with an alcohol in the presence of a derivatized cinchona-alkaloid catalyst.

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IPC 8 main group level

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CPC (source: EP KR)

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Citation (search report)

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- [PX] WO 03064420 A1 20030807 - DAISO CO LTD [JP], et al & EP 1477488 A1 20041117 - DAISO CO LTD [JP]
- [X] J. M. HUTZLER ET AL.: "inhibition of cytochrome P450 2D6: structure-activity studies using a series of quinidine and quinine analogues.", CHEM. RES. TOXICOL., vol. 16, no. 4, June 2003 (2003-06-01), us, pages 450 - 459, XP002437223
- See references of WO 2004110609A2

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DOCDB simple family (publication)

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