

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
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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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Citation (search report)

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- See references of WO 2004110609A2

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