

Title (en)
METHOD FOR PRODUCING CHIRAL ALCOHOLS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON CHIRALEN ALKOHOLEN

Title (fr)
PRODUCTION D'ALCOOLS CHIRAUX

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Application
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Abstract (en)
[origin: WO2006045598A1] The invention relates to a method for producing an enantiopure alcohol of general formula (Ia) or (Ib), wherein R₁, R₂, R₃, R₄, R₅ and R₆ each represent hydrogen, halogen, a C₁-C₆ alkyl or C₁-C₆ alkoxy group, with the proviso that at least one of the groups R₁, R₂, R₃, R₄, R₅ and R₆ is different from the remaining five groups and with the additional proviso that at least one of the groups R₁, R₂, R₃, R₄, R₅ and R₆ is a halogen. The invention is characterized in that a ketone of general formula (II), wherein R₁, R₂, R₃, R₄, R₅ and R₆ are defined as above, is enzymatically reduced in the presence of an S-specific or R-specific dehydrogenase/oxidoreductase using NADH or NADPH as the cofactor.

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