

Title (en)  
METHOD FOR PRODUCING CHIRAL ALCOHOLS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON CHIRALEN ALKOHOLEN

Title (fr)  
PRODUCTION D'ALCOOLS CHIRAUX

Publication  
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Application  
**EP 05800828 A 20051026**

Priority  
• EP 2005011459 W 20051026  
• AT 18082004 A 20041027

Abstract (en)  
[origin: WO2006045598A1] The invention relates to a method for producing an enantiopure alcohol of general formula (Ia) or (Ib), wherein R<SUB>1</SUB>, R<SUB>2</SUB>, R<SUB>3</SUB>, R<SUB>4</SUB>, R<SUB>5</SUB> and R<SUB>6</SUB> each represent hydrogen, halogen, a C<SUB>1</SUB>-C<SUB>6</SUB> alkyl or C<SUB>1</SUB>-C<SUB>6</SUB> alkoxy group, with the proviso that at least one of the groups R<SUB>1</SUB>, R<SUB>2</SUB>, R<SUB>3</SUB>, R<SUB>4</SUB>, R<SUB>5</SUB> and R<SUB>6</SUB> is different from the remaining five groups and with the additional proviso that at least one of the groups R<SUB>1</SUB>, R<SUB>2</SUB>, R<SUB>3</SUB>, R<SUB>4</SUB>, R<SUB>5</SUB> and R<SUB>6</SUB> is a halogen. The invention is characterized in that a ketone of general formula (II), wherein R<SUB>1</SUB>, R<SUB>2</SUB>, R<SUB>3</SUB>, R<SUB>4</SUB>, R<SUB>5</SUB> and R<SUB>6</SUB> 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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