

Title (en)
SYNTHESIS OF NITROALCOHOL DIASTEREOMERS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON NITROALKOHOL-DIASTEREOMEREN

Title (fr)
SYNTHESE DE DIASTEREOMERES A BASE DE NITROALCOOL

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Application
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Abstract (en)
[origin: WO0050378A2] The present invention relates to a method of preparing a 1-nitro-3-substituted-3-amino-2-propanol diastereomer represented by Structural Formula (I): In Structural Formula (I), R is an amine protecting group, and R<1> is an amino acid side-chain, a protected amino acid side-chain, a substituted or unsubstituted aliphatic group, a substituted or unsubstituted aromatic group, a substituted or unsubstituted heteroaromatic group, a substituted or unsubstituted aralkyl or a substituted or unsubstituted heteroaralkyl group. The method involves a contacting a 1-nitro-3-substituted-3-amino-2-propanone with a reducing agent to form a mixture of 1-nitro-3-substituted-3-amino-2-propanol diastereomers. The 1-nitro-3-substituted-3-amino-2-propanol diastereomers are then separated by simulated moving bed chromatography to obtain one or more 1-nitro-3-substituted-3-amino-2-propanol diastereomer.

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