

## Title (en)

PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED N-ACYL-BETA-AMINO ACID DERIVATIVES BY ENANTIOSELECTIVE HYDROGENATION OF THE CORRESPONDING (Z)-ENAMIDES

## Title (de)

PROZESS ZUR HERSTELLUNG VON ENANTIOMERENANGEREICHERTEN N-ACYL-BETA AMINOSÄURE DERIVATEN DURCH ENANTIOSELEKTIVE HYDROGENIERUNG DER KORRESPONDIERENDEN (Z)-ENAMIDE

## Title (fr)

PROCEDE DE PREPARATION DE DERIVES DE N-ACYL-BETA-AMINO ACIDES ENRICHIS EN ENANTIOMERES PAR HYDROGENATION ENANTIOSELECTIVE DE (Z)-ENAMIDES CORRESPONDANTS

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## Application

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## Abstract (en)

[origin: WO03016264A1] A process for the preparation of an enantiomerically enriched beta-amino acid derivative of formula (1), or the opposite enantiomer thereof, wherein R1 is an optionally substituted alkyl, aryl or heteroaryl group of up to 20 C atoms, R2 is an alkyl group of up to 20 C atoms, and R3 is H or an alkyl or aryl group of up to 20 C atoms, which comprises asymmetric hydrogenation of the (z)-enamide precursor (2) in an alcohol solvent or cosolvent, catalysed by a cationic rhodium complex of a chiral phosphine ligand having the partial formula (3), wherein n is 0 to 6 and R represents at least one non-hydrogen organic group of up to 20 C atoms.

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