

Title (en)  
ENZYMES AND METHODS FOR THE STEREOSELECTIVE REDUCTION OF CARBONYL COMPOUNDS, OXIDATION AND STEREOSELECTIVE REDUCTIVE AMINATION - FOR THE ENANTIOSELECTIVE PREPARATION OF ALCOHOL AMINE COMPOUNDS

Title (de)  
ENZYME UND VERFAHREN ZUR STEREOSELEKTIVEN REDUKTION VON CARBONYLVERBINDUNGEN, OXIDATION SOWIE STEREOSELEKTIVEN REDUKTIVEN AMINIERUNG - ZUR ENANTIOSELEKTIVEN DARSTELLUNG VON ALKOHOLAMINVERBINDUNGEN

Title (fr)  
ENZYMES ET PROCÉDÉ POUR LA RÉDUCTION STÉRÉOSÉLECTIVE DE COMPOSÉS CARBONYLE, L'OXYDATION, AINSI QUE L'AMINATION RÉDUCTIVE STÉRÉOSÉLECTIVE POUR LA PRÉPARATION ÉNANTIOSÉLECTIVE DE COMPOSÉS ALCOOL-AMINES

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Abstract (en)  
[origin: WO2019002459A1] The invention relates to enzymes for use in a method for the stereoselective reduction of carbonyl compounds or oxidation of hydroxy compounds, in a method for isomerization between ephedrine and pseudoephedrine, and in a method for the stereoselective reductive amination of chiral alpha-hydroxy ketones to obtain an amine as well as the counterreaction. Also disclosed are the amino acid sequence of said enzymes, fusion proteins comprising the enzyme, and a vector, cell or organism containing a nucleotide sequence coding for the enzyme. Further disclosed are the corresponding methods and the use in said methods.

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