

Title (en)
STEREOSPECIFIC METHOD FOR PREPARING 4-HYDOXYALK-1-ENE COMPOUNDS

Title (de)
STEREOSPEZIFISCHE HERSTELLUNG VON 4-HYDROXY-1-ALKENEN

Title (fr)
PREPARATION STEREOSPECIFIQUE DE COMPOSES 4-HYDROXYALC-1-ENE

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Abstract (en)
[origin: WO0066519A1] The invention concerns a method for stereospecific preparation of 4-hydroxyalk-1-ene compounds of configuration (R) or (S) of general formula (I) wherein: X represents an oxygen atom, and in such case R is selected among an alkyl, aryl, trityl, SiR, [Si(Alkyl)3; Si(Alkyl)2Ph], cyclic ether, tetrahydrofuryl group, or a group of formula -CO-R", wherein R" represents an alkyl group or an aryl group; R' represents the lone pair of oxygen; and n is a whole number not less than 1; or X represents a nitrogen atom, and in such case, R is selected among a hydrogen atom, an alkyl, aryl group; R' is selected among the groups of formulae -CO2R", -SO2R", -COR", wherein R" represents a alkyl group, an aryl group, or a -CF2 group, and n is a whole number not less than 1; by enantioselective allylic rearrangement reaction of aldehydes of formula (II) wherein X, R, R' and n are as defined in formula (I).

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