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Process for the isomerization of allyl alcohols



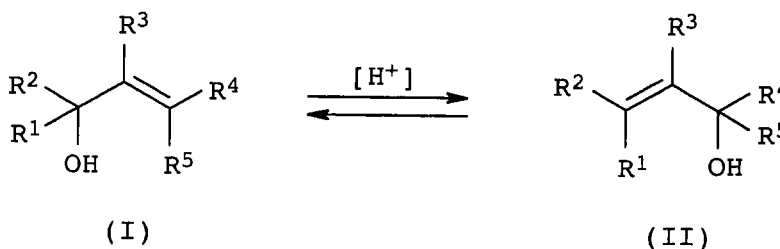
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Abstract

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The present invention relates to a process for the isomerization of precursor allyl alcohols of the formula (I) to product allyl alcohols of the formula (II)

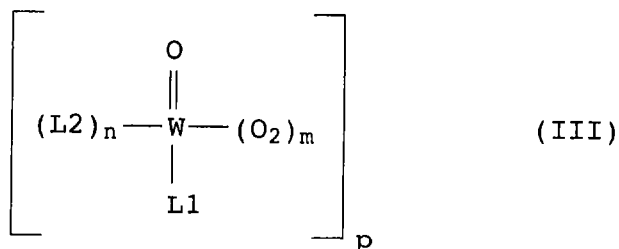
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where R^1 to R^5 are hydrogen or a mono- or polyunsaturated or saturated C_1 - C_{12} -alkyl radical, which may be substituted, in both directions of the equilibrium, wherein the reaction takes place in the presence of an oxoperoxotungsten(VI) complex of the formula (III),

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30 where

$\text{L}1$, $\text{L}2$ in each case independently of one another are water or a free coordination site, or are optionally a ligand chosen from the group of aminoalcohols, aminophenols,

35 aminocarboxylic acids or mixtures thereof or mixtures of amines with alcohols, phenols or carboxylic acids,

m is the number 1 or 2

n is a number from 1 to 6

p is a number from 1 to 6, where in the case of $p > 1$ a di- or polynuclear complex is formed,

40 and also to novel oxoperoxotungsten(VI) complexes and to the use thereof.

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