

ABSTRACT**PROCESS FOR ISOMERIZATION OF PENTENE-2-OIC ACID INTO PENTENE-3-OIC AND PENTENE-4-OIC ACIDS BY ACID, BASIC OR AMPHOTERIC CATALYSIS**

The present invention relates to a process for isomerization of pentene-2-oic acid into pentene-3-oic and pentene-4-oic acids. More particularly, it relates to a process for isomerization of pentene-2-oic acid into the other pentenoic acids, characterized in that said pentene-2-oic acid is brought in contact in vapour phase with a solid acid catalyst selected amongst the acid molecular sieves, clays, bridged clays (or pillar clays), massic oxides and acid phosphates, a solid basic catalyst selected amongst metal basic phosphates, metal basic oxides and basic molecular sieves or an amphoteric solid catalyst selected amongst metal amphoteric oxides.