

ABSTRACT
PROCESS FOR THE ISOMERIZATION OF 2-METHYL-3-

BUTENENITRILE

The present invention relates to a process for the isomerization of 2-methyl-3-butenitrile into linear pentenenitrile, in particular into 3-pentenenitrile.

More precisely, it consists of a process for the isomerization of 2-methyl-3-butenitrile into a linear pentenenitrile, characterized in that the reaction is carried out in the presence of an aqueous solution of at least one sulphonated phosphine and of at least one transition metal compound.

3-Pentenenitrile is an intermediate compound for the preparation of adiponitrile.