

PROCESS FOR PREPARING ADIPIC ACID
BY HYDROCARBOXYLATION OF PENTENOIC ACIDS

ABSTRACT

The present invention relates to a process for preparing adipic acid by hydrocarboxylation of pentenoic acids.

The subject is more particularly a process for preparing adipic acid by reaction of water and carbon monoxide with at least one pentenoic acid, in the presence of a rhodium-based catalyst and of at least one iodinated promoter, at a temperature between 100 and 240°C, at a pressure greater than atmospheric pressure, characterised in that

- a) the reaction is implemented in the absence of a third solvent
- b) and the carbon monoxide partial pressure, measured at 25°C, is less than or equal to 20 bar.