

Method for preparing methyl acetate

Abstract

The present invention provides a method for preparing methyl acetate, in which a feed gas containing an organic amine, dimethyl ether, carbon monoxide and optional hydrogen gas goes through a reactor loaded with a H-type mordenite catalyst, to produce methyl acetate; wherein said H-type mordenite catalyst is a H-type mordenite catalyst with adsorption of an organic amine. The method in the present invention improves the catalyst stability and prolongs the catalyst life, by using the H-type mordenite catalyst with adsorption of an organic amine as the catalyst and adding the organic amine in the feed gas to replenish the organic amine desorbed from the catalyst during the reaction.