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Acylation of amines by aminolysis of esters over H-ZSM-5 catalyst

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Abstract

H-ZSM-5 of zeolite resulted in an effective catalyst for the acylation of amines by aminolysis of esters such as octyl acetate. The shape-selective properties of the catalyst were investigated in the reaction between some amines and octyl acetate. H-ZSM-5 also performed some nucleophilic reactions such as hydrolysis and alcoholysis of esters. (in Japanese)

Key words: H-ZSM-5 of zeolite, acylation of amines, aminolysis, shape-selective property

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