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Citation
東京学芸大学紀要. 自然科学系, 59: 19-25

Issue Date
2007-09-00

URL
http://hdl.handle.net/2309/70829

Publisher
Committee of Publication of Bulletin of Tokyo Gakugei University

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

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(Received for Publication; May 25, 2007)


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 nucleophytic 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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