

An efficient one-pot three-component synthesis of tetrahydrobenzo[*b*]pyran and 3,4-dihydropyrano[*c*]chromene derivatives using starch solution as catalyst

Nourallah Hazeri, Malek Taher Maghsoodlou, Fatemeh Mir, Mehrnoosh Kangani, Hamideh Saravani, Ebrahim Molashahi

Department of Chemistry, The University of Sistan and Baluchestan, P.O. Box 98135-674, Zahedan, Iran

An efficient one-pot three-component synthesis of tetrahydrobenzo[*b*]pyran and 3,4-dihydropyrano[*c*]chromene derivatives using starch solution as catalyst

Nourallah Hazeri, Malek Taher Maghsoodlou, Fatemeh Mir, Mehrnoosh Kangani, Hamideh Saravani, Ebrahim Molashahi

Department of Chemistry, The University of Sistan and Baluchestan, P.O. Box 98135-674, Zahedan, Iran

摘要

图/表

参考文献 (35)

相关文章 (0)

版权所有 © 2010 中国科学院大连化学物理研究所《催化学报》编辑部 辽ICP备10003855号

辽宁省大连市沙河口区中山路457号, 邮编 116023

电话: (0411)84379240 传真: (0411)84379543 E-mail: chxb@dicp.ac.cn

本系统由北京玛格泰克科技发展有限公司设计开发 技术支持: support@magtech.com.cn