

عنوان مقاله:

Simple pseudo-multicomponent synthesis of ۲,۶-dicyanoaniline derivatives using nano ZnFe₂O₄

محل انتشار:

دومین کنگره بین المللی دانشجویان مهندسی شیمی و صنعت نفت (سال: 1402)

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نویسندگان:

A. Asadi - Department of Chemistry, Payam-e-Noor University, P. O. Box ۱۹۳۹۵-۳۶۹۷, Tehran, Iran

B. Mohammadi - Department of Chemistry, Payam-e-Noor University, P. O. Box ۱۹۳۹۵-۳۶۹۷, Tehran, Iran

خلاصه مقاله:

This study considered a simple and efficient method for the synthesis of some ۲,۶-dicyanoaniline derivatives. The reaction carried out between arylidenmalononitrile and excess malononitrile in the presence of nano ZnFe₂O₄ in ethanol at room temperature to produce aromatic products ranging from good to excellent brands. The experimental design of the study was very easy and the one produced was in the form of crystal

کلمات کلیدی:

ZnFe₂O₄, Multicomponent, Biphenyl, Fluorescence, Dicyanoaniline

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