

عنوان مقاله:

Aspartic acid supported on montmorillonite K10: A novel and green heterogeneous catalyst for the synthesis of xanthenediones under solvent-free conditions

محل انتشار:

اولین کنگره بین المللی شیمی و نانو شیمی از پژوهش تا فناوری (سال: 1397)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

A green and efficient procedure for the synthesis of xanthenedione derivatives is described through a one-pot condensation of aryl aldehydes and dimedone in the presence of aspartic acid supported on montmorillonite K10 under solvent-free conditions. The developed procedure has some advantages such as using a green and efficient catalyst with high catalytic activity, clean process and easy workup.

کلمات کلیدی:

Xanthenediones; Aspartic acid; Montmorillonite K-10; Solvent-free conditions

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