

عنوان مقاله:

Tandem Synthesis of ۲,۳,۴,۵-Tetrasubstituted Pyrroles from Aromatic Aldehydes Using Diethylene Glycol-bis(۳-methylimidazolium) Dihydroxide as an Efficient Catalyst

محل انتشار:

دوفصلنامه تحقیقات شیمی آلی, دوره 2, شماره 1 (سال: 1395)

تعداد صفحات اصل مقاله: 11

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خلاصه مقاله:

A sequential process strategy was introduced for the synthesis of ۲,۳,۴,۵-tetrasubstituted pyrroles by the formation of benzoin from the corresponding aromatic aldehyde and followed by condensation reaction with ۱,۳-dicarbonyl compounds and ammonium acetate in the presence of diethylene glycol-bis(۳-methylimidazolium) dihydroxide as catalyst in refluxing ethanol. The recycled catalyst could be reused four times without appreciable loss in the catalytic activity.

کلمات کلیدی:

Ionic Liquids, Pyrroles, Sequential process synthesis, Aromatic aldehydes, Catalyst

لینک ثابت مقاله در پایگاه سیویلیکا:

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