

عنوان مقاله:

Rate Accelerations in AgNO₃ Mediated Transesterification of β -Keto esters

محل انتشار:

نشریه متدهای شیمیایی، دوره 2، شماره 2 (سال: 1397)

تعداد صفحات اصل مقاله: 10

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خلاصه مقاله:

In the present study, AgNO₃ is employed as an effective catalyst for transesterification of β -keto esters with various alcohols under conventional and non-conventional conditions. The alcohols are easily converted into corresponding acetates in very good yields and less reaction times. However, a decrease in reaction times as well as moderate yields were observed when performed under non-conventional conditions such as Sonication and Microwave irradiation. Contrary to many other silver salts catalysts, AgNO₃ has shown remarkable levels of activity and stability towards transesterification reaction. The tendency in reaction rates was found to be MWAS (3-6 min) <<< Sonication (30-45 min) <<< Conventional (8-12 hrs).

کلمات کلیدی:

Transesterification, β -keto esters, Alcohols, AgNO₃, conventional, non-conventional

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