

عنوان مقاله:

Microwave accelerated synthesis of enol carbamates using nano metal-organic frameworks as catalyst

محل انتشار:

دومین کنفرانس ملی ژئولیت ایران (سال: 1394)

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خلاصه مقاله:

Enol carbamates were formed through oxidative coupling reaction of formamides and β -dicarbonyl derivatives under microwave irradiation. We used metal-organic framework $\text{Cu}_2(\text{BDC})_2(\text{DABCO})$ ($\text{BDC}=1,4\text{-benzenedicarboxylate}$, $\text{DABCO}=1,4\text{-diazabicyclo}[2.2.2]\text{octane}$) as heterogeneous catalyst. This catalyst could be easily separated from the reaction mixture, could be recovered and reused several times without significant degradation in catalytic activity.

کلمات کلیدی:

Metal-organic frameworks; oxidative coupling; microwave; enol carbamates

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