

عنوان مقاله:

Multicomponent Solvent-Free Synthesis, Antimicrobial and Antifungal Evaluation of Novel N-Amino Benzylthiolates

محل انتشار:

دوفصلنامه تحقیقات شیمی آلی، دوره 4، شماره 2 (سال: 1397)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

Novel N-amino benzylthiolates were synthesized via multicomponent reaction of malononitrile, isothiocyanates and benzyl halides under conventional and solvent-free conditions. Various electron-donating and -withdrawing substitutes within both isothiocyanates and benzyl halides were used to demonstrate the efficiency of new methodology. A broad spectrum of antibacterial and antifungal activities were observed especially within benzyl halides containing electron-withdrawing aryl substituents.

کلمات کلیدی:

Multicomponent synthesis, Solvent-free condition, N-Amino benzylthiolate, Antibacterial Activity, Antifungal property

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