

عنوان مقاله:

Design and synthesis of novel sulfonamides and their antibacterial activities evaluation

محل انتشار:

کنفرانس ملی سنتز آلی و شیمی دارویی (سال: 1392)

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خلاصه مقاله:

This Letter describes the design and synthesis of novel sulfonamides derived from p-anisidine in excellent yields in the absence of organic bases. These sulfonamides have been prepared by the condensation of δ -acetylamino- γ -methoxy benzenesulfonyl chloride with different amines and then amid were hydrolyzed to amino group. The structure of the synthesized compounds has been confirmed by IR, ^1H NMR and ^{13}C NMR data. All the compounds were screened in vitro for their antibacterial activities. Preliminary results indicated that δ -Amino-N-(γ -hydroxyphenyl)- γ -methoxy-benzenesulfonamide, to be the most potent compounds against all the tested strains

کلمات کلیدی:

p-anisidine, sulfonamide, amine, chlorosulfonic acid, solvent-free

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