عنوان مقاله:

Synthesis and Biological Activities of Some New Derivatives Based on ۵-Styryl-۲-amino-۱,۳,۴-thiadiazole

محل انتشار:

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خلاصه مقاله:

In this research, ۵-Styryli-۲-amino-۱, ۳, ۴-thiadiazole [C۱] was prepared from the reaction of acid ۳-phenyl propenoic acid with thiosemicarbazide. Amic acids [C۲-C۵] were synthesized by reactive compound [C۱] with different types of hydrides, then [C۲, C۴] were treated with AC۲O in the presence of NaOAC as a catalyst giving Imide compounds [C۶, C۷]. The structure of the new derivatives was confirmed via FT-IR spectroscopy, some of which were confirmed via ۱H-NMR spectroscopy. Three of these new derivatives were evaluated by their Esherichiacoli, Staphylococcus, and Rhizopus emporium.

کلمات کلیدی:

Thiadiazle, Amic acid, Imide, anti-bacterial, Anti-fungal-۱,۳,۴