

Synthesis and Biological Activity of N[□]-Heteroaromatic-substituted Thiophene-2-carbohydrazides

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Abstract

New heteroring-substituted thiophene-2-carbohydrazides incorporating pyrrole, thiophene, and pyridine moieties have been synthesized, characterized, and screened for possible antimicrobial activity. Some of the synthesized compounds exhibited promising antibacterial activities, but rather modest antifungal activity.

Key words: Hydrazones, antimicrobial, antibacterial, antifungal.