



Synthesis of some Pyrazole Derivatives via Knoevenagel Condensation Proven Effective as Antibacterial and Antifungal Activity

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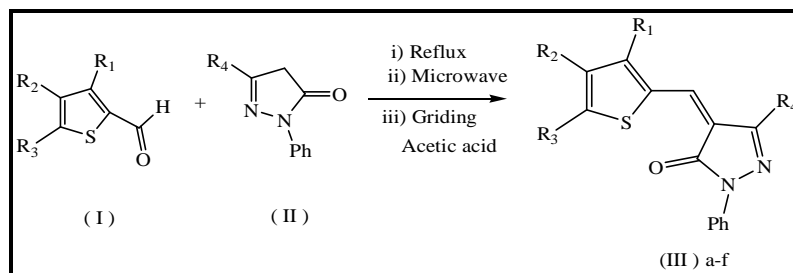
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ABSTRACT

It deals with the preparation of pyrazole derivative synthesized by Knoevenagel condensation in acidic medium. The work represented by three different methods that is conventional, grinding and microwave assisted reaction. The entire synthesized compound was tested for their antibacterial activity against the Gram-positive and Gram-negative strains of bacteria. The investigation of antibacterial screening data revealed that most of the tested compounds showed less to moderate antibacterial and antifungal activity.

Graphical Abstract



Synthesis of Pyrazole Derivatives.

Keywords: Citric acid, thiophene-2-carbaldehyde, Antifungal, Antibacterial, Spectra, etc.