



Synthesis, Characterization and Antibacterial activity of Novel Benzo[b]furan Carbohydrazide Derivative of Intermediate Egonol

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ABSTRACT

Egonol, a natural 2-aryl benzofuran an effective pyrethrum synergist. Egonol and its derivatives attracted the attention of synthetic chemists for their antibacterial, antifungal, anti-complement and cytotoxic activities against human leukaemic HL-60 cells. As a part of our present research study, a series of new benzo[b]furan carbohydrazide derivatives derived from egonol intermediate have been synthesized and evaluated for their in vitro antimicrobial activity against E.coli, K.pneumoniae (Gram Negative bacteria) and S.aureus, B.subtilis (Gram Positive) bacterial strains with Ampicillin as a control drug.

Keywords: Antibacterial Activity, Benzo[b]furan, Benzohydrazides, Egonol, Gram positive bacteria, Gram negative bacteria.
