



**Synthesis, Characterization and Biological Evaluation of
Dihydropyrimidinone and Dihydropyrimidine thionones
Derivatives of Naphthofuran via one pot Reaction**

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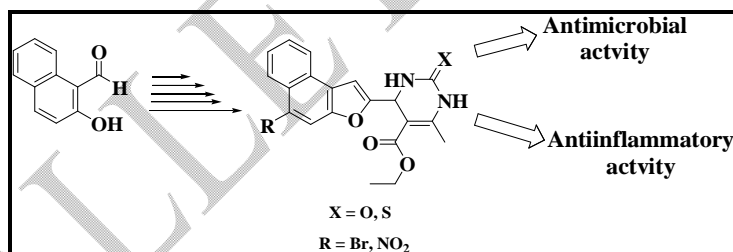
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ABSTRACT

In the present study one pot condensation reaction of naphthofuran-2-carbaldehyde, ethyl acetoacetate and thiourea or urea via Biginelli reaction was carried out and characterization of the derivatives was done by spectroscopic techniques. The newly synthesized compounds showed moderate to good antimicrobial as well as anti-inflammatory activities compared to standard drugs.

Graphical Abstract



Keywords: Naphthofuran-2-carbaldehyde, three component reaction, *in-vitro* antimicrobial and anti-inflammatory activity.