

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_78025
Title of the Manuscript:	Synthesis and evaluation of antibacterial properties of chalcones derived from thiophene-2-carbaldehyde
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Anti-protozoal

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p>	<p>Abstract: From the antibacterial study it was observed that the compounds bearing electron withdrawing group, electron releasing group exhibited excellent to moderate antibacterial activity respectively.</p> <p>Introduction: Chalcones and its analogues have found its significant role in the development of new medicinal formulations agents.</p> <p>So in the present study we have considered thiophene incorporated chalcones containing different substitution to find a better advantageous anti-bacterial molecule with improved activity and with lower side effect. As thiophene is an active, potential 5-membered, 'S' containing hetero cyclic ring commonly present as building block in the most of the drugs, the present study we have considered thiophene incorporated chalcones containing different substitution to find a better advantageous anti-bacterial molecule with improved activity and with lower side effect. (cClaisen sSmith condensation)</p> <p>Materials and Methods: Further it is was kept in magnetic stirrer and reaction mixture is was stirred for 6-8 hours.</p> <p>Results: Table 1 Physico-chemical Physical data of synthesized compounds</p> <p>Conclusion: promising molecules with antibacterial properties have better scope for further development od of the antibacterial agents</p>	
<p>Minor REVISION comments</p>		
<p>Optional/General comments</p>	<p>Chalcones have been investigated for numerous biological activities including antibacterial activities as the authors have stated. The present study is very highly limited in terms of the number of chemical compounds synthesized (some of them might be in the literature) and the number of microorganisms studied (only one).</p> <p>Captions for the Tables should be above and not below the Tables</p> <p>Authors to ensure that the journal's reference format is followed.</p> <p>Red: Delete ; Blue: Add</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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