

## Review Form 1.6

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_78622
Title of the Manuscript:	Synthesis and antibacterial activity of hydroxy and chloro-substituted chalcone derivatives
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:

(<https://www.journaljamps.com/index.php/JAMPS/editorial-policy> )

### PART 1: Review Comments

	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)
<b>Compulsory</b> REVISION comments	<ul style="list-style-type: none"><li>- <b>English and typographical errors:</b> The authors should improve the English quality of the manuscript and correct all typographical errors throughout the entire manuscript. Many errors have been pointed out and highlighted in the attached file. Many parts that should be rewritten to be clearer and in a more concise and condensed manner are also indicated in the attachment.</li><li>- <b>Table 1:</b> The chemical description should be reported in text format, not in table format (please refer to ACS format of chemical description). In this description, the authors should provide additional information about <sup>13</sup>C-NMR spectra, coupling constant of H-F, C-F for fluorine-containing compounds. The measured spectra of compounds 3d, 3f, 3h, 3i, 3j, 3l, 3n should be provided, not the cited ones. The ion peak of M+4 of compounds 3d-3f should be reported in the MS spectrum.</li><li>- <b>Scheme 1:</b> The caption should be corrected. The codes for synthesized chalcones should be unified with the ones mentioned elsewhere in the text.</li><li>- <b>Table 2:</b> The antibacterial activity of the chalcone with no substituents on both rings A and B should be provided.</li><li>- The statement in lines 110-111 (A singlet peak.... from 6.72 to 8.06 ppm) should be checked.</li><li>- The statement in lines 114-115 should be checked for compounds 3d-3f</li><li>- The statement in lines 119-121 is not satisfactory because synthesized compounds all have a 2-hydroxy-5-chlorophenyl ring in structure. The authors should provide the antibacterial activity of the chalcone derivative without this structure in the molecule to give a comparison.</li><li>- The paragraph in lines 149-166 should be removed because it is a duplicate of the right above paragraph.</li></ul> <p>One question should be addressed by the authors: Why did the authors choose to synthesize and evaluate the antibacterial activity of the hydroxyl- and chloro- substituted chalcone derivatives? The authors should present the rationality of their study objectives and add this information to the appropriate place in the manuscript.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Thai-Son Tran</b>
Department, University & Country	<b>Hue University, Vietnam</b>