

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_78028
Title of the Manuscript:	SYNTHESIS AND ANTICANCER PERSPECTIVE OF PYRIDOPYRIMIDINE SCAFFOLD - A REVIEW
Type of the Article	Review article

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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

	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)
Compulsory REVISION comments	<p>The manuscript is of value but not well organized. Several issues were observed. I have tried to point at some of those deficiencies that should be addressed to improve the quality of this manuscript. The entire manuscript is not palatable and should be reorganized.</p> <p>The manuscript suffers from the following:</p> <p>Language:</p> <ul style="list-style-type: none">- I cannot comprehend some sentences. I have tried to follow the text but found great difficulty in many sections. The authors have a language problem and are strongly advised to find editing service to assist them and help improve the quality of this manuscript. English should be checked all over the manuscript. All over the text, there are many language, typographical, spelling and grammatical mistakes. Some verbs are missing others are not correct or not reported in the proper tense and many sentences should be reconstructed.- The chemical name of many reagents should be rechecked to remove unnecessary spaces; for example: 3-phenyl triazole, 3-amino triazole, pyrido pyrimidines should be corrected to remove blank spaces and be written as: 3-phenyltriazole,....- Also, many un-necessary spaces are found in the nomenclature of the fused heterocyclic systems. <p>Title: The word "A review" in the title is not correct. It should be replaced with the word "An overview".</p> <p>Schemes are not represented correctly. Lack of some functional groups should be corrected and some necessary information should be added. They should be revised properly.</p> <ul style="list-style-type: none">- In figure 1, compound # 1, as a chalcone, is lacking a C=O. Compounds # 3 and 5 are the same (compound # 5 should be corrected and redrawn).- In figure 4, compound # 2 is missing a nitrogen atom.- In figure 6 on page 23, compounds are represented by wrong numbers. Legend indicated the pathway for compounds 6-10. However, compounds are indicated in the illustrative figure as 11-15.- Repetition (duplication) of some schemes has been observed. Figures # 6 and # 7 are the same and repeated. Figure # 6 should be replaced by the proper illustration. Compounds 6-10 cannot be tracked on the figures.- In figure 8, the pathway involving the conversion of compound 3 into 5 through reaction with $\text{NH}_2\text{NH}_2/\text{DMF}$ is wrong. This pathway should be cancelled.- All compounds in figures 11-13 do not have numbers. Please insert numbers.- Compounds 5a-d in figure 19 carry a doubly bonded Cl atom while compounds 6a-s are lacking a double bond in the pyrimidine part of the heterocyclic system. How come !!! <p>References Are correct and recent for most of them, but need to be unified and require revision. Reference 42 should be referred to by mentioning the article ID 2135893. Doi.org/10.1155/2016/2135893</p> <p>The above mentioned major changes should be considered in full before the paper entitled "SYNTHESIS AND ANTICANCER PERSPECTIVE OF PYRIDOPYRIMIDINE SCAFFOLD - A REVIEW" can be recommended for publication in "Journal of Pharmaceutical Research International."</p>	

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Minor REVISION comments	<ul style="list-style-type: none">- There are formatting problems: for example, sub-heading format should be used: <u>1.1, 1.2, 1.3,.....</u>- In many paragraphs the font size is not concordant with the font text.- Numbering is somewhat confusing. Compounds numbers in all figures start by # 1,2,3,..... I think the authors should continue numbering in the different figures to prevent such confusion.- The word application in the ethical approval section should be replaced by applicable.	
Optional/General comments	In page 2, numbers 9,10,11,12,13 could be written as 9-13. Many un-necessary capital letters inside the sentence should be avoided.	

PART 2:

	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)
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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