



SDI Review Form 1.6

PART 1:

Journal Name:	American Chemical Science Journal
Manuscript Number:	2012_ACSj_2966
Title of the Manuscript:	Thieno[2,3- <i>d</i>]pyrimidin-1 4-ones. Part 2.* Condensation of 2,3-Disubstituted thieno[2,3- <i>d</i>]pyrimidin-4-ones with Aldehydes

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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	Authors efforts mainly on synthesis of new tetrahydropyrido[1,2-<i>a</i>]thieno[2,3-<i>d</i>]pyrimidine-4-one derivatives by condensation under acidic and alkaline conditions. Each compound was characterized. The purpose of preparing new compounds is to find its end use in terms of activity and is a part of drug discovery process. It is missing. In addition, there are several gaps in the manuscript. The sequence of any manuscript should include abstract, key words, introduction, chemistry, experimental, conclusion, acknowledgement, and references. Except abstract, key words, acknowledgement and references, all the sub-headings are missing. Under each sub-heading, the relevant information is also missing. Under chemistry, one should present general scheme through which all the reactions to be appeared. Then, the characteristic features in one example to be highlighted rather than in each case. The spectral data is in any way available in experimental section to characterise each compound. A general procedure for preparation of compounds 5b-5e, 6a-6e, 7a-7e, 8a-8e and 9 to be given in the beginning rather than writing one line for each compound referring the above procedure. Mass spectral data is missing for all the compounds. I consider for publication, provided manuscript is extensively revised to bring clarity. Authors are advised to go through the recent articles published in reputed journals.	Authors are very grateful to reviewers for useful advice and remarks! All remarks and offers of the reviewer are taken into account. Mass spectral data were is selectively investigated. The article was reserved (completely!) on recently published article: <i>Olayinka O. Ajani, Oluwole B. Familoni, Johnbull O. Echeme, Feipeng Wu and Zheng Sujiang. Synthesis and Antibacterial Activity of N,N-Diethylamide Bearing Benzenesulfonamide Derivatives. American Chemical Science Journal 3 (1): 34-49, 2013.</i> [Taken advantage of article (on advice of the 3rd reviewer), which recently has been published: Olayinka O. Ajani et al., American Chemical Science Journal 3 (1) : 34-49, 2013. (The area



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		of researches (on organic chemistry) which it is carried out in the given work approaches to our researches).]
Minor REVISION comments	Table should have caption rather than compound numbers. Page 1 line 13 "electron-acceptor" may be replaced with "electron withdrawing." Similarly at other places also to be revised. Page 2 line 60 "electrophilic nitro- group" may be replaced with "electron withdrawing nitro group"	All remarks (Page 1 line 13 and Page 2 line 60) are corrected.
Optional/General comments	English language is poor and to be refined. Ex: Page 1 line 37 "The boiling of equimolar quantities of reagents" Page 2 line 64, "from the lost of single water molecule" Page 3 line 103 "are displayed as a not split one-proton triplet" Similarly there are many errors.	All remarks (Page 1 line 37, and Page 2 line 64, Page 3 line 103) are corrected.