

Review Form 1.6

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| Journal Name: | Journal of Pharmaceutical Research International |
| Manuscript Number: | Ms_JPRI_83559 |
| Title of the Manuscript: | Design and Molecular Docking Studies of 1H-Benzo[b][1,5]diazepine-2(3H)-one Derivatives |
| Type of the Article | Original Research 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.journaljpri.com/index.php/JPRI/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) |
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| Compulsory REVISION comments | <p>Authors have addressed the molecular modelling of the 1,5 benzodiazepine derivatives and docking against to GABA-A receptor associated protein (1KJT), but the purpose, significance and objectives were not clearly stated. Title of the manuscript needs revision. Introduction is poor and lacking the very purpose and objectives of the study. Discussion is very poor and conformers confirmed based on the lowest binding energy and docking scores are not supported with other studies in order to validate their conformity. Further there are no details on the conformers of ligands and their validation selected for docking against to receptor associated protein (1KJT) in the Results and discussion section. The dock scores calculated for Clobazam, Lofendazam are given in the Results and Discussion section of the manuscript. There are few references (Serial Nos. 7,8 and 9) are not cited in the text. Either they should be deleted from the reference section or they should be cited in the text.</p> <p>There are many shortcomings in the manuscript. Some corrections I have done in the manuscript in track change mode with comments on shortcomings, which should be communicated to authors for correction and improvement.</p> <p>There are many grammatical mistakes in the manuscript and complete manuscript seems to be poor in English and needs improvement. There is no conclusion section in the manuscript should be included.</p> | <p>All the revision comments are well addressed and the necessary correction are done in the manuscript (Highlighted). Authors are very much grateful to reviewer</p> <ol style="list-style-type: none">1. Introduction is revised stating the purpose of the study2. Clarification is given regarding the conformers and its protein complex, the structures of the particular conformers are included as Figure 13. Dock score of the standard ligand included in the result section4. References at the end are cited in the text5. All the other revisions as per the attached manuscript (in track change mode) are done including title6. Grammatical mistakes are corrected for the entire manuscript7. Conclusion section is included |
| Minor REVISION comments | | |
| Optional/General comments | | |

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PART 2:

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| | 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> | |