

RESPONSE TO REVIEWERS' COMMENTS

Ms. Ref. No. : Life-2185657

Title : Identification of BACE-1 Inhibitors against Alzheimer's disease through E-Pharmacophore-Based Virtual Screening and Molecular Dynamics Simulation studies: An Insilico Approach

We sincerely thank the Editor and Reviewers for their valuable time in facilitating and reviewing our manuscript. We have now revised the manuscript thoroughly and carefully as per the suggestions/comments of the reviewers and followed the journal-specific guidelines. Point-by-point responses to the reviewer's comments are appended below. All the corrections made in the revised manuscript are highlighted in yellow.

Reviewer 1

Comments from the editors and reviewers:	Author Response
The abstract needs to be polished.	The abstract section is polished and outcome is given in the abstract section and highlighted in yellow colour.
I would like to mention that the writing part needs improvement. I feel that the use of phrases could be simplified for easy understanding. Please carefully proof-read spell check to eliminate grammatical errors	As suggested by the Reviewer, the entire manuscript has been carefully Proof-read for spell check and grammatical errors.
In the abstract, the author has to include results of best molecules scores such as dock energy, free energy and Stable range.	Yes, we include the molecules scores of ZINC39592220 and en1003sfl.46293 are selected based on the top docking score (-8.182 and -7.184 Kcal/mol) and Binding Free Energy (-58.803 and -56.951 Kcal/mol) highlighted in yellow colour.
Author give the grid box Size (XYZ) coordinates	The grid box was centered at coordinates x=38.29, y=59.94 and x=50.33 respectively highlighted in yellow colour.
What did you observe from the analysis of the Molecular Dynamics Simulation and how it will be correlated with further studies	We observed from the Molecular Dynamics Simulation analysis is Dynamic Behaviour and conformational stability of

	the docked complexes. Highlighted in yellow colour.
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