

I would like to congratulate the authors for their study in this important field of the treatment of obesity. All efforts are welcome with the intention of indicating good solutions to this hard health problem. I have listed below some general and specific observations, comments, and suggestions.

1-You stated in the introduction section that you are looking for the lead compound that regulates appetite, and the results revealed that three compounds may act as anti-obesity inhibitors. Which of them is the most potent inhibitor?

2- Authors must validate the docking procedure with 3LFM by re-docking the cocrystal ligand and mention how well the bioactive conformation was reproduced by adding the RMSD value.

3. In your opinion, are hydrogen bonds at the origin of the mechanism of action? Or is it a synergy between all the interactions? Cite some works in the bibliography. Below are some references to go with (El Khatabi et al., 2020, 2021, 2022).

El Khatabi, K., Aanouz, I., El-mernissi, R., Khaldan, A., Ajana, M. A., Bouachrine, M., & Lakhlifi, T. (2020). 3D-QSAR and Molecular Docking Studies of p-Aminobenzoic Acid Derivatives to Explore the Features Requirements of Alzheimer Inhibitors. *Orbital: The Electronic Journal of Chemistry*, 12(4), 172–181. <https://doi.org/10.17807/orbital.v12i4.1467>

El Khatabi, K., El-Mernissi, R., Aanouz, I., Ajana, M. A., Lakhlifi, T., Khan, A., Wei, D.-Q., & Bouachrine, M. (2021). Identification of novel acetylcholinesterase inhibitors through 3D-QSAR, molecular docking, and molecular dynamics simulation targeting Alzheimer's disease. *Journal of Molecular Modeling*, 27(10), 302. <https://doi.org/10.1007/s00894-021-04928-5>

El Khatabi, K., El-mernissi, R., Aanouz, I., Ajana, M. A., Lakhlifi, T., Shahinozzaman, M., & Bouachrine, M. (2022). Benzimidazole Derivatives in Identifying Novel Acetylcholinesterase Inhibitors: A Combination of 3D-QSAR, Docking and Molecular Dynamics Simulation. *Physical Chemistry Research*, 10(2), 237–249. <https://doi.org/10.22036/pcr.2021.277306.1895>

4-Authors can also mention the limitations of the present study in the conclusion section.

5-Typing and grammatical errors should be checked thoroughly.

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