

Peer Review

Review of: "Synthesis, ADME, Toxicity, and In Silico Molecular Docking Study of Novel β -Carboline Derivatives as Potential Inhibitor Anticancer Agents"

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Authors have synthesized a series of compounds using conventional synthetic methods and performed in silico molecular docking studies. However, before publication, this manuscript requires major revision.

-The title of the manuscript is not aligned with the studies that have been performed. The title can be "Synthesis and In Silico Studies of Novel β -Carboline Derivatives." They cannot claim these as potential anticancer agents without performing *In-vitro* or *In-vivo* studies, as this would be deceptive.

- I would request the authors to submit ¹H NMR spectra of the synthesized compounds as supporting documents.

-Authors have limited references, and many of them are self-citations. I would suggest including a few more citations. They can cite the following article, as this study is related to β -carboline derivatives and natural products-

Sunil Kumar, Yi-Hsuan Wang, Po-Jen Chen, Yu-Chia Chang, Hemant K. Kashyap, Ya-Ching Shen, Huang-Ping Yu, Tsong-Long Hwang, Design and synthesis of β -carboline and combretastatin derivatives as anti-neutrophilic inflammatory agents, *Bioorganic Chemistry*, Volume 111, 2021, 104846, ISSN 0045-2068, <https://doi.org/10.1016/j.bioorg.2021.104846>.

- The English language in the manuscript requires a review by a professional proofreading service, as there are several common errors throughout. Specifically, the English language in the experimental section is horrible.

-There are some typographical mistakes as well. For instance, the conclusion section, line 2, has “heaving.”

Declarations

Potential competing interests: No potential competing interests to declare.