

Peer Review

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

Ravi Kumar Mittal¹

1. Pharmacy, Galgotias University, Greater Noida, India

The manuscript titled *"Synthesis, ADME, Toxicity, and In Silico Molecular Docking Study of Novel β -Carboline Derivatives as Potential Inhibitor Anticancer Agents"* presents a well-organized study on the synthesis, characterization, and computational evaluation of β -carboline derivatives for their anticancer potential. The experimental methodologies are detailed, and the molecular docking results are promising, suggesting good binding affinities and interactions with target proteins. The inclusion of ADME and toxicity studies enhances the translational relevance of the findings. However, the manuscript would benefit from a deeper discussion of the docking results' biological implications, a critical evaluation of ADME and toxicity profiles in relation to their clinical relevance, and a more robust comparison with existing literature to underscore the novelty of the work. Overall, the study is of interest to researchers in medicinal chemistry and cancer drug discovery, but some revisions are recommended to improve its scientific rigor and practical applicability before publication.

Attachments: available at <https://doi.org/10.32388/IG4M96>

Declarations

Potential competing interests: No potential competing interests to declare.