

Peer Review

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

Eswar Aratikatla<sup>1</sup>

1. Department of medicinal chemistry, University of Florida, United States

The article describes the synthesis of a known class of  $\beta$ -carboline derivatives as anticancer agents targeting the CDK2 protein. The in-silico docking studies of these  $\beta$ -carboline derivatives with the human cyclin-dependent kinase 2 (CDK2) protein and the native ligand, staurosporine, have also been discussed. The research studies used SWISS-ADME software to predict a few preliminary physiochemical properties of the synthesized derivatives. Further in vitro and in vivo pharmacological experimental data of these  $\beta$ -carboline derivatives must be added to check their drug-likeness.

## Declarations

**Potential competing interests:** No potential competing interests to declare.