Review of: "Investigation and Synthesis of Benzothiazole-Derived Schiff Base Ligand Against Mycobacterium tuberculosis"

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Potential competing interests: No potential competing interests to declare.

Investigation and Synthesis of Benzothizole-Derived Schiff Base Ligand Against M. tubeculosis is a scientific paper that mainly describes the synthesis of one benzothiazole derivative, integrating an in-silico study on the applicability of the molecule.

Considering my expertise, I will not review the chemical part.

Anyway,

- the article is confusing, with useless repetitions, breaks, and no homogeneity. I had the impression that it was written without a second check or care. One example is the "in silico studies" paragraph, which is split into two parts repeating the same thing (with the addition of a useless consideration about the crystalline water in the first part);

- the material and methods section is poor and should be improved in quality. The general methods are related to the synthesized molecule characterization, and the experimental methods are "chemical synthesis procedure" instead. The in silico study lacks the description of the force field used for the enzyme model optimization and the ligand model setup;

- it is not clear why glutamine synthetase 1 has been chosen for the docking study. I had the feeling that it was a random target chosen because it is the target of other Schiff base ligands. Anyway, just because a molecule inhibits the enzyme does not mean that all the similar molecules may be effective;

- indeed, the in silico analysis lacks an in vitro confirmation that consolidates the data. This study, as presented, is not scientifically valid or relevant;

- the references are not edited: some citations have the first capital letter in every word while others do not. Anyway, this is just a minor concern considering the big gaps in the study.

I'm sorry for the authors, but I cannot recommend this article, as presented, for publication.