

Peer Review

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

Kalaiyar Swarnalatha¹

1. Chemistry, Manonmaniam Sundaranar University, Tirunelveli, India

Comments to the editors and authors

To the Editors:

It needs major revision.

Comment to the authors: In this investigation, a novel MTA ligand is designed and synthesized for anti-tuberculosis.

In my point of view, the manuscript requires a major revision. Some suggestions on how to improve the paper's quality are given below:

1. Overall, the quantity of the work is very minimal. The cytotoxicity studies or antimicrobial screening can be included.
2. An 86% yield of the MTA ligand from this synthesis is highly appreciable.
3. It is suggested to completely modify the last paragraph of the introduction part. A phrase, "For this reason, he is not recognised....." please clarify it. Also, the results can be given under the discussion part.
4. Please clarify which standard drug, pyrazinamide or isoniazid, is used in the computational study. There is a mismatch in the mentioned standard drug in the text and the table.
5. Correlate the obtained results in terms of the number of hydrogen bonds and nuclei present in the molecule and how it enhances or is responsible for the antituberculosis activity.
6. Check for grammatical and typographical errors throughout.

Declarations

Potential competing interests: No potential competing interests to declare.