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.

The work really shows the problems of the current situation with tuberculosis treatment drugs, demonstrating the need for the development of new molecules with high mycobactericidal potential. However, it is worth highlighting some points of the work.

1- The work requires a text revision, specifically in bacterial writing Ex:*Mycobacterium tuberculosis* without writing in italics.

2- The work also requires a review of the references as some do not match the text presented. e.g.: Reference 1 where it is cited in the text WHO, 2020 is placed as Moises *et. al* 2009.

3- Some references are not formatted, please set them as the journal's standard.

4- the first figure presented on page 2\13 does not have any type of description or title that explains its relevance to the work. I believe it is an abstract image, but there is no way to know from the work presented.

5- The text has many short sentences, which can be better worked on to avoid the text becoming loose or tiring for the reader. And with just paragraphs. It is worth standardizing it in a single paragraph or dividing it into multiple paragraphs.

6- Still on pages 2\13 in lines 18-19 you quote a sentence *Our AIM in this study IS to create a New benzothiazole* and add references to this. I believe that if this is the objective of your work, you have to relocate it to pages 3\13 second paragraph of the introduction and there is no need for referencing, as it invalidates the originality of your work.

7- In material methods - Subtopic *general methods*, add references to reagents used.

8- In material methods- Subtopic *general methods*, add references to reagents used. 8- Your image captions are not descriptive, regarding the result and technique, please change the text presented.

9- In the topic *1H-NMR sprectrum analysis* please describe the concentration or dilution of the reagents used.

10- In the topic *ESI mass spectral studies*, I have the feeling that there was a lack of explanatory text of the technique and results obtained

11- Figure 3 it was difficult to observe the m\z values described in the text.

12- ON page 7\13 the predictive results obtained in silico are not described in an ideal way, avoiding transmission in full of the described result

13- ON page 8\13, in the topic *conclusion* there was a lack of better discussion of the data obtained for a better understanding of the data demonstrated.