

Review of: "Synthesis and Antibacterial Screening of Cefradine Schiff Bases and Their Metal Salts"

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Potential competing interests: No potential competing interests to declare.

Dear Editor in Chief

Thank you for sending me this manuscript for review.

The manuscript entitled (**Synthesis and Antibacterial Screening of Cefradine Schiff**

Bases and Their Metal Salts) has been reviewed, and I think that this work has no significant or scientific importance.

The aim of the work is not valid. The language of the whole manuscript is very poor. I think that the manuscript cannot be accepted for publication. All reviewing comments are clarified for the authors in a separate file.

Thank you for this cooperation.

Yours sincerely

Reham Akram Abdel-Monem

Responses for authors

The manuscript entitled (**Synthesis and Antibacterial Screening of Cefradine Schiff**

Bases and Their Metal Salts) that is concerned with the preparation of some Schiff bases and some of their metal salts was examined. In my opinion, authors must take the following comments into consideration.

- This point and the aim of this work are so poor and not understood
- I think that the chemical structure of the cefradine drug is sterically hindered to undergo condensation reactions with aldehydes or ketones
- Why did you prepare the metal salts of the Schiff bases (if already obtained) and what will be added, since the Schiff bases have enough biological activity to examine
- Concerning the preparation of metal salts, I think that the reaction conditions in the case of using AgNO₃ are not the same as in the case of the others.
- The inserted spectral data are not sufficient to confirm the chemical structures of the products.

- Some IR and ¹HNMR figures must be supplied for further confirmation.
- In the discussion part, I did not find any explanation for why some salts were not formed.
- I see that your obtained antibacterial results, for most compounds, are of restricted activity to some extent.
- You have mentioned that the antibacterial activity of your prepared compounds is reduced due to the absence of the free NH₂, so where is the goal of your work that must be achieved?

So, I think, in my point of view, that this work is too weak to be published in its current state.