

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.

The manuscript titled 'Synthesis and Antibacterial Screening of Cefradine Schiff Bases and Their Metal Salts' discusses the antimicrobial activity of Cefradine Schiff Base and its salt derivatives against two microorganisms. However, the writing in the manuscript, particularly in the discussion and experimental parts, is of poor quality and can confuse the reader. The results are not encouraging and lack interest. I would suggest that the authors revisit the manuscript, restructure the ideas, and make significant improvements.

Abstract:

Are the *Staphylococcus aureus* and *Escherichia coli* used in the experiment resistant to cefradine?

Experiment:

Describe how to conduct the characterization, which was carried out by using IR and ¹H NMR spectroscopy.

The authors start from compound 4. How about compounds 1 to 3?

Under the general procedure for the preparation of salts of cefradine Schiff bases (9-35), the authors mention the Schiff base, not cefradine Schiff base compounds, and create confusion. Please clarify.

Under Antibacterial activities:

Please mention the source of the microorganisms used.

Mention the references.

Under Results and Discussion:

The authors mention that this comprises the synthesis of 33, but 6 cefradine Schiff base compounds and their salt derivatives.

Under Results and Discussion:

No discussion.

