

# 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.

Thank you for your opportunity to read and review the manuscript entitled - **Synthesis and Antibacterial Screening of Cefradine Schiff Bases and Their Metal Salts**

The work is good and the paper is well written focusing on current consequences. However, the paper will be a publishable after authors addressing the following major corrections.

- The authors should revise and improve the whole abstract by mentioning the causes and rationality alongside the critical overview of this review of this paper.
- The introduction section arouse the broader interest of the readers. Compare the estimated results with literatures.
- I suggest that the authors should provide more comparative samples to give more clarification to the results of the study.
- The literature in the manuscript should be updated (currently, only a few recently published literature).
- Add the <sup>13</sup>C NMR data to all compounds.
- Add the CHNS OR MASS data to all compounds.
- Provide the yield % data of salts of compounds cefradine Schiff bases (9-35).
- Add the solvents and their ratio for TLC, and the R<sub>f</sub> values???
- Double check for the J coupling values.
- Add the physical properties of all prepared compounds.
- Establish the mechanism of formation of target compounds.
- The manuscript lacks discussion in terms of comparative effect of compounds and its ultimate effect on the bioactivity.
- The authors should improve the English language of the article, especially the sentence structures.
- Follow proper instruction from journal policy regarding the reference section.
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