

# 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 synthesis of metal salts from Schiff bases of cefradine and the evaluation of their antimicrobial activities against *Staphylococcus aureus* and *Escherichia coli* can be of interest to the scientific community. Assignments of product structure based only on <sup>1</sup>H NMR and IR spectroscopies are insufficient for proper compound analysis. For biological experiments, compounds of 95% purity or higher should be used to obtain reliable data. Elemental analyses or HPLC chromatography must be used to unambiguously determine the purity of each compound.

The antibacterial activities of all compounds should be determined according to the already accepted protocol, and each experiment must be repeated at least three times. The results should be statistically analyzed before drawing a final conclusion.

In its current form, the manuscript is not available for publication, although it is a good starting point for next-step research.