

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.

A review response on the manuscript entitled "Synthesis and Antibacterial Screening of Cefradine Schiff Bases and Their Metal Salts"

¹H NMR and IR spectroscopy were used in the synthesis and characterization of cefradine derivatives. The antibacterial activity of each synthesized product was assessed against two types of bacteria: *S. aureus* and *E. coli*. The data is presented in an effective manner overall. Both the quantity and quality of the job are only passably good. My concerns are listed below.

1. There is a possibility of Ag⁺ coordinating to the prepared Schiff bases, that it would be a complex rather than a simple salt. This requires the presentation of the actual FT IR spectra of these products for confirmation. Or it requires treating the product with a solution of NaCl and checking whether a white precipitate or cloud formation is observed.
2. The biological activities of the products must be evaluated compared with a reference antibiotic with a nearly similar structure and a possible expected mode of action.

Solving these concerns would make this manuscript appropriate for publication.