

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 entitled “ Synthesis and Antibacterial Screening of Cefradine Schiff Bases and Their Metal Salts” by Ali et al., represented the synthesis of novel Cefradine Schiff Bases along with their salts, in which spectral analysis was carried out by using IR and NMR spectroscopic techniques which confirmed the core structures of each derivative. For antibacterial assay agar well diffusion method was carried out. Active pharmacophore compounds were selected on the basis bioassay results.

1. No protocol reference was provided for the synthesis of Schiff bases and salts
2. Methodology section lack of references
3. Results and discussion data also lack references i.e., for validating the data by IR and NMR data
4. In biological activity section active compounds higher activity was correlated with less stearic hindrance where it was mentioned previously, reference needed?
5. Validation of biological activity by Molecular docking and ADMET studies is suggested, for attaining hit compounds.