

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 language should be considered and revised.
- Abstract: The word biological should be replaced by antibacterial activity and changed else-where.
- Experimental: for OH and NH protons: It should mentioned that they are D₂O exchangeable in the HNMR spectra.
- In General procedure for the preparation of salts of cefradine Schiff bases (9-35): 1mmol of NaOH, KOH, AgNO₃ while 0.5 mmol of Ca(OH)₂ and Ba(OH)₂ were treated with 1mmol of each Schiff base. Metal hydroxides/ AgNO₃ were dissolved in water and Schiff bases were dissolved in methanol separately. For each product, both solutions were then mixed and stirred on hot plate for 30 minutes at 60°C. should be changed into An aqueous solution of 1mmol of either of NaOH, KOH, AgNO₃ or 0.5 mmol of Ca(OH)₂ or Ba(OH)₂ was added to a methanolic solution of 1mmol of each Schiff bases. The mixtures were then stirred for 30 minutes at 60°C.
- Also the IUPAC name of the compounds should be mentioned beside their numbers in the experimental part.
- In Scheme 1: It should be clearly mentioned that the metal hydroxides are used separately and not along with the silver nitrate.
- In the antibacterial part: the promising compounds should be further investigated for their MIC and MBC values to enrich the biological part
- Also docking studies are highly recommended to be performed.