

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.

Review report on: Synthesis and Antibacterial Screening of Cefradine Schiff Bases and Their Metal Salts

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Comments:

- The article is well written, and the data provided in the article is good enough to support the findings.
- The results and discussion part of the article shows that few compounds like 18, 5, 11, and 27 show good activity when compared to other compounds out of the 32 derivatives prepared. The reason explained is . All of the above-mentioned active compounds have H as R1, Phenyl, or Phenyl with NMe2/OMe groups as R2, so their activity might be attributed to lesser steric hindrance and increased availability of electrons at the imine linkage, but proper reference is not provided for these findings as support.
- Also, for the above findings, additional experiments like docking can be carried out as support to the above.
- Also, it is mentioned in the conclusion that "However, a general reduction in activities of most of the synthesized compounds in comparison to cefradine can be linked to unavailability of the free NH2 group of cefradine," but there is no experimental evidence provided in support of the above.
- References in support of the findings mentioned and discussed in the article are strongly recommended to be included by the reviewer.
- Provided the above issues are addressed by the authors, the article can be published in Qeios.