

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.

To:

Dr. Gabriele Marinello

Peer Review Team, Qeios

Dear Gabri,

Thank you for considering me for reviewing Mohsin Ali, Obaid-ur-Rahman Abid, Wajid Rehman et al.'s article Synthesis and Antibacterial Screening of Cefradine Schiff Bases and Their Metal Salts.

Comments to the authors:

In general, cephalosporins accounts for nearly 50-70% of antibiotics consumption in EU and USA. Antibiotics are multi-group compounds and their determination and derivative preparations have been of interest mainly due to drug resistance, giving rise to a public health concern. However, considering the limited **experimental evidence presented by your team, I would like to stress my concern about the lack of any computational media, supporting your main finding that the** reduction in activities could be linked to unavailability of free NH_2 group of cefradine.

Gabri:

I consider that his work is experimentally well done, and although it deserves to be published, it should be accompanied by a computational support, especially to see the possibility of formation of any macrocycle-type species. So, please, to my point of view, it is not should be published.

Sincerely,

Marcos