

Review of: "[Review Article] Green Strategies for the Synthesis of Quinolone Derivatives"

Islam Abdellah¹

¹ North Carolina State University

Potential competing interests: No potential competing interests to declare.

1- The chemical structures in all schemes should be uniform. The authors need to make them uniform.

2-The authors mentioned that various synthesis methods such as microwave-assisted, solvent-free, and catalyst-free approaches.

Could you elaborate on the advantages and limitations of each of these methods in terms of efficiency, scalability, and environmental impact?

3- What are the key criteria or metrics used to evaluate the "greenness" of a synthesis method, and how do you ensure that the methods discussed in your manuscript meet these criteria effectively?

For example, I noticed that some equations used a palladium catalyst. Palladium is a highly toxic and carcinogenic material.