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

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Potential competing interests: No potential competing interests to declare.

While the manuscript discusses the synthesis of biologically active quinolone derivatives, a crucial aspect - the green chemistry approach - must be given more emphasis. From this, the authors believe quinolone is a pharmacophore, an essential heterocyclic ring system in medicinal chemistry.

The overall approach has been reported in the literature several times.

What distinguishes this work is that it summarized and categorized most green approaches, including their benefits, implications, and substrate scope.

However, the present protocol is very attractive for overcoming the current therapies from the viewpoint of this journal.

So, I recommend publication in the journal, but the manuscript needs some major revisions before publication, particularly regarding the scope of the process. Some suggestions are listed below:

1. My biggest concern is that in the manuscript, there are a lot of grammatical mistakes and a need for better representation in the conclusion part.

2. In the introduction, the authors should have described the importance of some FDA-approved quinoline drugs.

3. I will encourage authors to discuss different HPLC methods in their results so that it is easy to understand for the general audience.

4. All the structures should be written in a standard size and shape.

5. Include the numbering for different types of structures.

6. In addition, expand the green synthesis section, impact on the environment, and connection with green chemistry with biology.