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.

The authors discussed the green synthesis of very important biologically active and potent quinolone derivatives. I do not think that the authors gave the topic its due importance. I recommend accepting the manuscript with ***major revisions***. I suggest rewriting the review by taking care of the points below.

1. A very nice and informative graphical abstract was designed.
2. I advise using the same ChemDraw setting for all structures and schemes.
3. In page 6, line 5, the author means 5- and 6-membered rings, not membranes.
4. I preferred to summarize the list on page 6 in a table.
5. It is better, and readers prefer, to give numbers for each presented structure (important).
6. The authors should mention the figures and the numbers of molecules in the suitable place in the text.
7. In page 7, last two lines, the authors spoke about the triazole ring, but it is not the case in the figure below.
8. In the presentation of Pharmacological Activities of Quinolone Derivatives, it is better to add some results supported with measurements to prove the potency of the drugs.
9. In the last paragraph on page 11, there is no compound C in figure 12.
10. It is better to number the figures as 12, 13, 14…….. not as 12a, 12b, and 12c
11. Scheme 1 on page 12 is not correct; something is missing. It is a must to give numbers for each structure.
12. On page 14, Scheme 5, "Synthesis of quinolone derivatives via substituted aldehydes,'**where are the substituted aldehydes?**
13. Scheme 6, page 14, the temp. in the text is 1200, I think it is 120.
14. In scheme 7, please write the structure of**Ar_2IX.**
15. Take care when writing the chemical formulas in schemes as well as in the text.
16. What is the difference between scheme 6 and scheme 12?
17. Scheme 13, please indicate the position of R and R'.
18. What is the difference between scheme 18 and 19.