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.

This review article is dedicated to the synthesis of quinolones. These compounds are indeed very interesting for a plethora of researchers working in the fields of medicinal chemistry and heterocyclic compounds. Because of that, in the literature, there are a number of review articles dedicated to this class of compounds, e.g., Bioorg. Chem. 2019, 103291; Eur. J. Med. Chem. 2018, 143, 710; Molecules 2016, 21, 268; already cited in the manuscript.

However, the present report is specifically dedicated to “green strategies” for the synthesis of these compounds. For this reason, this review has a sufficient level of originality to be considered for publication.

I suggest the following revisions:

1. Cite the following review articles: a) Eur. J. Med. Chem. 2015, 97, 397; b) J. Med. Chem. 2015, 58, 4874.
2. Syntheses based on the Sonogashira cross-coupling or on palladium-catalyzed reactions, see Schemes 6, 9, 11, 12, can be classified as green methods? Does the discussion about these kinds of synthetic methods make sense in the context of a review on synthetic green methods?
3. The appearance of the figures in the manuscript is not acceptable. Many of them are deformed, e.g., Scheme 10 and 16. The authors must fix them.