Qeios

Peer Review

Review of: "Microwave Irradiation Technique, A Green Chemistry Approach For Dissolution Enhancement Of Lopinavir"

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Reviewer's comment

Dear editor, I think that this research has a respectable idea, but some corrections are necessary.

1. In a separate section in the introduction, the innovations of this research should be explained comprehensively.
2. Draw the chemical structure of the drug and report the reasons for selecting this material.
3. In the **FTIR** analysis section, show the changes in the peaks in the spectrum with red arrows. (You can get help from this article: A Comparative Study on the Environmental Friendly Bleaching Processes of Poly (lactic acid) Substrate: Application of Ultraviolet/O_3/H_2O_2 System; Progress in Color, Colorants and Coatings 15 (2), 143-156; 2022).
4. Discuss the releasing behavior of the drug more comprehensively. (Burst release? Why?)
5. Add another diagram in the releasing section; (amount of released drugs versus time for each case) and discuss them carefully.
6. Correct the title of the 3.1.7. DSC section to 3.1.7. DSC Analysis.
7. Correct the title of the 3.1.8. SEM section to 3.1.8. SEM Analysis.
8. In the reference section, include more articles from 2022.

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Declarations

Potential competing interests: No potential competing interests to declare.