Reviewer's report

Title: Study of the antitumor mechanisms of apiole derivatives (AP-02) from Petroselinum crispum through induction of G0/G1 phase cell cycle arrest in human COLO 205 cancer cells

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Reviewer: Salmon Adebayo

Reviewer's report:

1. Under the determination of cell viability sub-section, the volumes of the cell suspension and the treatments were not stated.

2. A few repetition of the same or similar sentences were recorded in the discussion section. A review of this section is advised before publication. For example, the phrase "Previous studies have indicated that the extract from Petroselinum crispum exerts various effects, including anti-oxidation effects, protection against DNA damage, and anti-proliferation effects in human cancer cells" was repeated under similar context twice in this section.

3. Under the acknowledgement section, authors need to provide at least a few names, if not all and the affiliations of people that contributed significantly towards the completion of the research.

Are the methods appropriate and well described?  
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?  
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?  
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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