Reviewer’s report

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

Authors have improved the manuscript according to the reviewers suggestions. Below are some additional minor suggestions to authors:

- Authors need to justify the concentration conversion from in vitro to in vivo.

- The discussion contains repetitive results in this study and many general information about cell cycle regulation. It will be valuable if authors can improve the discussion by removing the repeated results statement and compare their results with other references particularly on those similar class/chemical structure of compounds on colon cancer.

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 recommend additional statistical review

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

Acceptable

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Please complete a declaration of competing interests, considering the following questions:

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