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: Ahmed Abdel Moneim

Reviewer's report:

- There are many English errors. The work should be revised by an English native speaker.
- Some references are old references or papers publish on low quality journals and there are new versions of the manuscript. Please use the new papers instead of the old papers.
- Statistical analysis of table 1 is not correct.
- Western blot results should be analyzed using dimensionmetry analysis.
- When the authors found significant, this significant against which group?

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.

No
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:

Not suitable for publication unless extensively edited

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