Reviewer's report

Title: Resveratrol enhances anticancer effects of paclitaxel in HepG2 human liver cancer cells

Version: 0 Date: 15 Jul 2017

Reviewer: Alessandro Di Cerbo

Reviewer's report:

In this paper, authors well described the synergic combination of resveratrol and paclitaxel in HepG2 human liver cancer cells. In my opinion this study is another proof of the efficacy of natural substances in relieving most of inflammatory-related pathologies including cancer. Moreover, the results achieved are important and have a novelty in the point of the continuous growing awareness of the efficacy of nutraceuticals as adjuvants of drugs commonly used to treat cancer. However, there are few concerns that should be addressed by the authors to make the article acceptable for publication:

- there are some typing and grammar errors throughout the manuscript that should be revised. The manuscript should be revised my a native English speaker.
- I have few concerns regarding the statistical analysis chosen by the authors:

1) I'm wondering if the data of each group really follow a Gaussian distribution. If so the better post hoc test would be Dunnett, Bonferroni or Sidak rather Duncan's.

2) Conversely, if the data of each group really wouldn't follow a Gaussian distribution the suitable statistical test would be a Kruskal-Wallis test with a Dunn's multiple comparison test.
So the authors should better clarify the presence of a Gaussian distribution or not and chose the suitable test.

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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