Reviewer’s report

Title: Anti-proliferative and Cytotoxic activities of Allium autumnale P. H. Davis (Amaryllidaceae) on Human Breast Cancer Cell Lines MCF-7 and MDA-MB-231

Version: 0 Date: 13 Nov 2017

Reviewer: Guang Ji

Reviewer’s report:

The manuscript evaluate the anti-proliferative and cytotoxic activities of Allium autumnale on two human breast cancer cell lines, it proposed an interesting topic, but only the phenotypic data were provided. In addition, several issues should be considered:

1. The safety of the agents on normal cells were unclear;

2. In order to evaluate the effects of allium species on lateral motility, the authors applied wound healing assay, so the representative images of the assay might be illustrated in certain Figure;

3. The AAB and AAS extracts were analyzed by GC-MS and the ingredients contained were defined, since the cells were treated with compounds, so what is the significance and purpose of the GC-MS analysis?

4. The writing needs improved.

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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