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: 15 Nov 2017

Reviewer: Canan Eroğlu

Reviewer’s report:

Isbilen et al. investigated anti-proliferative and cytotoxic activities of Allium autumnale on Human Breast Cancer Cell Lines MCF-7 and MDA-MB-231. This manuscript is well presented. But, there are some major points.

1. Researchers showed anti-proliferative and cytotoxic activities of Allium autumnale. Moreover, they indicated formation of membrane blebs in BC cells under inverted microscope for apoptotic mechanisms. This is a very rough method. Therefore, changes of important genes in apoptosis can be demonstrated at protein and mRNA levels methods such as using qPCR, western blotting, elisa etc.

2. GS-MS chromatograms should be given in figure or supplemented data. It is acceptable after these revisions.

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

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Acceptable

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