Reviewer’s report

Title: Acute oral toxicity and antioxidant studies of an amine-based diselenide

Version: 0 Date: 09 Oct 2018

Reviewer: Raghdaa AlZarzour

Reviewer's report:

It seems that the manuscript is providing good tests for evaluating Liver toxicity and antioxidant profile. It is also written with very good academic language and flow of ideas. However, the following two points should be amended:

1. Why the tests didn't include Immunohistology or even histology for the liver samples. This is essential for evaluating liver toxicity and cannot be omitted.

2. For the Preparation of tissue homogenate for (TBARS) assay In page 5 line 36 it is mentioned that the homogenate was centrifuged for 10 min at 4000×g. usually the homogenate for this test should be centrifuged at 10000 g in an automatic high speed cold centrifuge for 30 min at 4°C. Please justify your method

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:

Acceptable

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