Reviewer’s report

Title: Prevention and reversal of selenite-induced cataracts by N-acetylcysteine amide in Wistar rats

Version: 0 Date: 03 Sep 2016

Reviewer: Fu-Yung Huang

Reviewer's report:

The results of the lens morphological observations and the characterizations of the biochemical level correlated well in this experiment, indicating NACA eye drop is an alternative way to prevent and treat lens cataracts. Therefore, it has the merits to be published. However, a doctoral dissertation titled "Effects of n-acetylcysteine amide in preventing/treating cataracts" (2015), by the first author Yasaswi Maddirala, in which the biochemical levels, such as GSH, GSSG, and MDA and the GR in a 9 week experiment showed a different results at week 9 compared to that of the 30 day experiment of this manuscript. Therefore, it is suggested that it will be better to have the results be compared in this manuscript since the data has been opened.

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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