Reviewer’s report

Title: Subchronic toxicity, immunoregulation and anti-breast tumor effect of Nordamnacantal, an anthraquinone extracted from the stems of Morinda citrifolia L.

Version: 0 Date: 03 Oct 2017

Reviewer: Wamidh Hadi Talib

Reviewer's report:

Please include all comments for the authors in this box rather than uploading your report as an attachment. Please only upload as attachments annotated versions of manuscripts, graphs, supporting materials or other aspects of your report which cannot be included in a text format.

Please overwrite this text when adding your comments to the authors.

Title: revise the title to specify that your study is on breast cancer only

Abstract: add the specified concentrations obtained in antitumor and immunomodulatory effects

Method: authors need to justify why they used the specified cell density for MTT and flow cytometry assays

Subchronic toxicity: why authors used male Balb/c mice in this assay although the antitumor effect was performed on female mice. hormonal difference may alter the result. a justification is needed

What was the weight of mice in the toxicity and antitumor assays?

6 mice is very low number for in vivo antitumor assay

Why authors did not measure the level of IL-4. this is important to decide whether the treatment induce Th1 or Th2 immune response

Line 275: add the word (difference) after significant

Figure 2: the quality of this figure is low. please replace with figure of higher resolution

What was the cure percentage in the antitumor assay?

Figure 7: authors need to include values of IL2 and INF-gamma for healthy (tumor free) mice to make sure that the obtained results are not due to the presence of tumor
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 recommend additional statistical review

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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