**Reviewer’s report**

**Title:** Potential in vitro anti-allergic, anti-inflammatory and cytotoxic activities of ethanolic extract of Baliospermum montanum root, its major components and a validated HPLC method

**Version:** 0 **Date:** 14 Nov 2018

**Reviewer:** Ifeoma C Ezenyi

**Reviewer's report:**

The research is well conceptualized and executed.

General comment: The article needs extensive editing for grammatical errors. Also comply with instruction to authors which specify that aim of study should be included in the method section.

Specific observations/comments:

1. line 82: delete etc

2. line 87: replace interested activity with biological effects

3. Rephrase line 91-93

4. line 98: '...hexsaminidase released from RBC-2h3 cells

5. '...effects of B. montanum crude extract...are also reported'

6. line 104: specify part of B. montanum collected

7. line 158: state concentrations of serial dilutions

8. line 167: formula for calculation of inhibition (5) not clear. The expression T.B.N. and C.B.N are not mathematical, use appropriate expression and symbols

9. line 178: state concentrations of serial dilutions

10. line 191-192: There are no results to show that cell viability was >70%, this should be included in table 2

11. Line 212: Method of analysis should be shown in subsection on statistical analysis
12. line 218: 'hexanes' should be corrected to 'hexane' throughout

13. line 349: concentrations were used, not doses. Show the % inhibition produced by different concentrations

14. line 348: Change 'liver cancerous cells' to 'cancerous liver cells'

15. line 355: Rephrase this sentence as ...the cytotoxic effect of the extract and compounds against normal cells were lower compared to their effects against cancerous cells, showing their selective cytotoxic property.

16. Figures 2 and 3 are unnecessary as the data has already been presented in tables 1 and 2

**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.

Not relevant to this manuscript

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