Reviewer’s report

Title: Anti-inflammatory, analgesic and acute toxicity effects of fermented soybean

Version: 1 Date: 19 Nov 2019

Reviewer: Silvio Sosa

Reviewer's report:

I carefully reviewed the revised manuscript and authors responses to the comments. The manuscript has been improved for publication in BCAM but it needs further revision also from a linguistic point of view.

Specific comments are reported below.

Abstract

Methods: The part on methods has been improved with some information but I suggest an improvement also from the linguistic point of view. In addition: the type of raw soybean extract has to be specified (i.e. aqueous extract); the term "concentration" for the in vivo study has to be changed with "dose" (also in other parts of the manuscript); the route of administration has to be reported also in the abstract.

Results: the concentration and the dose of the reference compounds have to be reported.

Background

I suggest to specify that SBE was an aqueous extract.

Methods

In vitro anti-inflammatory activity

Page 7, line 140: The sentence has to be revised.
Results

LPS-induced NO production in RAW 264.7 cells

Page 10, lines 208-217: Authors describe and quantify the effects of NESTE and SBE, represented in Figure 2. However, they do not specify at which concentration. Since NESTE and SBE have been tested at two concentrations, the results have to be more clearly reported.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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:

Needs some language corrections before being published
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