Reviewer’s report

Title: Crude extract from Libidibia ferrea Linn leaves decreased intra articular inflammation induced by zymosan in rats

Version: 2 Date: 04 Oct 2018

Reviewer: Kai Wang

Reviewer's report:

In this study, Tamires Rocha Falcão et al. explored the anti-oxidant and anti-inflammatory effects of water extracts of Libidibia ferrea in a model of intra-articular inflammation induced by Zymosan. The current data might be informative to understand the pharmacological activity of Libidibia ferrea and might be enough to support the current conclusion. I recommend the publication in BMC Complementary and Alternative Medicine after minor revisions.

General points

1) Could you please provide readers the pictures of Libidibia ferrea?

2) Abstract, Line 55, please clarify the dosage used in this study. Also, please clarify the animal species you used in this study.

3) Line 57, Zymosan should not be capitalized. Please check throughout the study

4) Line 60, did you mean "synovial liquid" instead of "sinovial liquid"?

5) Line 61, IL-1β

6) Statistical analysis

   Line 293, What do you mean of D.P.? I recommend authors performed ANOVA among different groups, and change their labels on the graphs.

7) Result, Fig1, As hydrolyzable tannin monomers are known as active constitutions, has the authors test the amount of these compounds in the extracts? In addition, I suggest authors discussed these active compounds with their activities.

8) Fig 7, Histology images are fuzzy. Please change them with higher resolution images.
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:
Needs some language corrections before being published

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