Author’s response to reviews

Title: Anti-inflammatory effects of a methanol extract of Dictamnus dasycarpus Turcz. root bark on imiquimod-induced psoriasis

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Version: 3 Date: 09 Oct 2019

Author’s response to reviews:

We carefully reviewed reviewer’s opinion and revised the manuscript and result of the experiments.

Our response to Editor and Reviewer’s comments
Editor

1. Please include the dosage of the carbon dioxide in the Methods section.

-&gt; In response to your opinion, we have added an explanation for the amount of carbon dioxide used. (Page 7 line 9-11)

2. The Availability of data and materials section refers to the raw data used in your study and presenting tables and figures is not sufficient to state that all data is contained within the manuscript and additional files.

-&gt; We've added the Availability of data and materials section to clarify this. (Page16 line2-4)

3. Please consider the list of authors as it currently stands with reference to our guidelines regarding qualification for authorship.

-&gt; In response to your grateful comments, we have modified the content of the authors’ contributions. (Page15 line 18-22)

Reviewer 3

1. Animal model should be suggested.

Detailed numbers implying findings of this study should be suggested in the results.

-&gt; I agree with your opinion. Therefore, we added the mouse strain used in the experiment (page 2 line 15) and explained the detailed numbers implying findings of this study in abstract section (page2 line 22-23 and page 3 line1-2).
2. There should be explanations and reference(s) for supporting that IMQ induced inflammation and animal model is a potential animal model for psoriasis.

-I think reference 25 is enough to explain this. (Page7 line 2-4)

3. About MEDD preparation, there should be information on the source, species and concentration information. If available, quality control should be reported as well.

-Thank you for your comment. I think it's enough to explain this in reference12. (Page6 line 16-17)

4. The number of animals in each group should be suggested in the method section.

-The number of mice used in this experiment is described on page 7 line 13-14.

5. In the statistical analysis section, mean and SD cannot be a representative number for small samples. Median and interquartile ranges should be considered for suggesting data. In addition, non-parametric analysis methods should be considered instead of t-test.

-Based on your comments, the statistical analysis was done again with median and interquartile range. In the Mann-Whitney test, our data were normal, so the t-test was considered to be more suitable than the non-parametric analysis.