Author’s response to reviews

Title: In vitro and in situ study on characterization and mechanism of the intestinal absorption of 2,3,5,4’-tetrahydroxy-stilbene-2-O-β-D-glucoside

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List of Responses

Dear Editors and Reviewers:

Thank you for your letter and for the reviewers’ comments concerning our manuscript entitled “In vitro and in situ study on characterization and mechanism of the intestinal absorption of 2,3,5,4’-tetrahydroxy-stilbene-2-O-β-D-glucoside” (PHAT-D-19-00231R1). Those comments are all valuable for revising our paper, as well as the important guiding significance to our researches. We have studied comments carefully and have made correction which we hope meet with approval. The main corrections in the paper and the responds to the reviewer’s comments are as flowing:

Responds to the reviewers’ comments:

1. Rahul Purohit, Ph.D. (Reviewer 1): All the editorial comments have been addressed by the authors.

A: Thanks to the reviewers for their comments on this article. On this basis, I made a more deeply examination and revision of the article.
2. Simone Brogi, Ph.D (Reviewer 2): the manuscript authored by Wang and co-workers is interesting. Moreover, the manuscript is well written and the methodology is explained with clarity and the workplan supports the findings of the paper. I suggest to improve the language since in some part of the paper some sentences are too long and consequently difficult to read. I recommend the publication after performing minor revisions. Some points are reported below.

Minor

(1) Row 10 for drug efficacy.to be should be for drug efficacy to be.

A: Thank you very much for your suggestion. I have changed “for drug efficacy. ” to “for drug efficacy” in the second paragraph of the background (the first sentence). “For most oral preparations, absorption into the blood circulation system is the prerequisite for drug efficacy.”

(2) The number of the animals used should be reported.

A: Thank you very much for your suggestion. I have increased the number of the animals used in the first sentence under 2.4.3. “24 SD rats, half male and half female, were fasted for 12 hours but permitted to drink water freely before surgery.”

(3) The sterochemistry of the compound in Figure 1 is not correct.

A: Thank you very much for your suggestion. I have modified the sterochemistry of TSG in Figure 1.

In addition, we also invited professionals to polish the language of this article to achieve the best reading effect. We tried our best to improve the manuscript and made some changes in the manuscript. These changes will not influence the content and framework of the paper. And we believe that these novel findings will be of interest to the readers of BMC Pharmacology and Toxicology. If you have any queries, please don’t hesitate to contact me at the address below.

Thank you and best regards.

Yours sincerely,

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