

Format for ANSWERING REVIEWERS



Sep. 17th, 2013

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 4388-review.doc).

Title: *Inhibitory effects of apigenin and kaempferol on the essential Solute Carrier transporters*

Author: Ting Chan, Zhen Li, Jian Zheng, Florence Shin Gee Cheung, Ling Zhu, and Fanfan Zhou

Name of Journal: *World Journal of Pharmacology*

ESPS Manuscript NO: 4388

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

(1) "The introduction and discussion are too wordy and repetitive, the authors could give a neat description."
We have now revised the introduction in a more succinct way.

(2) "These transporters are highly expressed in the kidney and liver. Why do you only use one cell line as the research model?"

Our study is to investigate the inhibitory effect of apigenin and kaempferol on transporter uptake in *in vitro* over-expressing model. HEK293 cell line is a well established cell model in expressing genes with high transfection efficiency, which has been confirmed to be suitable for expressing SLC transporter genes in the previous publication of us and others. So we chose this cell line to be used in the current study. Such explanation has been inserted to the Results.

(3) "The figure 2 and 3 are not clear enough, please use the same typeface in all your figures."
We have modified the figures accordingly.

(4) "The experiments with OAT3 mediated uptake of [3H]-ES with the presence of apigenin or kaempferol /Fig 3a and 3b/ should be repeated for a more precise determination of IC50 values. Arguments? Lack of concentration values below 1μM /at least 4) for better compliance with the principles of non-linear regression simulation."

We have repeated the experiment with 4 more concentrations in a lower range.

3 References and typesetting were corrected

Thank you again for publishing our manuscript in the *World Journal of Pharmacology*

Sincerely yours,

A handwritten signature in blue ink, appearing to be 'F. Zhou', is positioned in the top left corner of the page.

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