

Current Pharmaceutical Analysis

Manuscript Evaluation Form

Editor-in-Chief: Anastasios Economou, Department of Chemistry, Laboratory of Analytical Chemistry, University of Athens, Athens, Greece

PAPER TITLE	Investigation on the Metabolism of Curcumin and Baicalein in Zebrafish by Liquid Chromatography-Tandem Mass Spectrometry Analysis
AUTHOR(S) NAME	Shi-Jun Yin, Ya-Li Wang, Hua Chen, Guang Hu, Guo-Can Zheng, Feng-Qing Yang

Sec. A: REFEREE'S ASSESSMENT

(cross as appropriate)

Criterion	Excellent	Good	Fair	Poor
Originality of the topic	x			
Technical Quality		x		
Importance in its Field	x			
Style & Overall Representation		x		
Readily Understandable	x			
Suitability for the Journal	x			
Adequate Illustrations or Drawings	x			
English language		x		
Description	Yes	No	Comments/ Suggestions	
Does the title represent manuscript's contents?	x			
Is the Abstract accurate and concise?	x			
Are the approach/ methods properly described?	x			
Are the conclusions and interpretations sound?	x			
Are the references properly cited?	x			
Is this a new/ original/ contribution?	x			
Is it within the scope of the journal?	x			
Overall the Paper is Rated:	(Excellent -8----- Poor) 10 9 8 7 6 5 4 3 2 1			

Sec. B: REFEREE'S RECOMMENDATIONS

OTHER SPECIFIC CRITICISMS

Accept with minor changes

x

Imperfect style

x

Accept with major changes

Too long

Reject in current form, but may be resubmitted

References incorrectly presented

Reject, with no resubmission

Typographical and Grammatical errors

x

PAPER TYPE: Research article

Review article

Letter article

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Confidential Comments to the Editor (not for Transmission to Authors):

The article is within the scope of the journal and suitable for publication, after some revision.

Comments for the Authors (continue on another sheet, if necessary):

Review of the article entitled

Investigation on the Metabolism of Curcumin and Baicalein in Zebrafish by Liquid Chromatography-Tandem Mass Spectrometry Analysis, by Shi-Jun Yin, Ya-Li Wang, Hua Chen, Guang Hu, Guo-Can Zheng, Feng-Qing Yang

In this article, the metabolites and metabolic pathways of curcumin (CUR) and baicalein (BAI) in zebrafish were analyzed and identified by liquid chromatography-tandem mass spectrometry (LC-MS), which is a feasible model for drug metabolism study. The results of metabolic study indicated that CUR might affect the therapeutic effect of BAI. This is also important for the further investigations that are needed to verify that CUR affects the metabolism of BAI by affecting metabolic enzymes.

The article is within the scope of the journal and suitable for publication, after some revision.

The English language has to be improved.

For example, in the abstract, state the structural information of the metabolites was determined, instead of were determined

On page 7, state: the metabolic pathway of BAI in zebrafish is presented in Figure 1.

On page 8, BAI and its metabolites suppress gluconeogenesis, instead of suppresses

In the abstract and on page 5, replace the correct unit of measure, instead of 8 $\mu\text{mol/L}$, as well as on page 4, instead of 20 μL

Use one space between the numbers and the units of measure in the entire manuscript

In Results and Discussion, it should be indicated which figures are shown in the supplementary information

For example, on page 6, lines 141 and 142, Figure S3 and Figure S4 in the supplementary information

Line 146, Figure S1 in the supplementary information

On page 7, lines 183 and 184, Figure S5 and Figure S6 in the supplementary information

Specify the number of these figures in the order they are mentioned in the text and appear in the supplementary material

Check that all the figure legends at the end of the manuscript are the same with the legends stated in the supplementary information.

Move subheading 2.4 to the next page.

Place Tables 1 and 2 with their captions, as well as Figures 1 and 2 with the legends at the first place where they are mentioned in the manuscript.

Delete the points after the captions of Tables 1-3.

In Tables 1 and 2, the more adequate name for the third column is Molecular formula.

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FIELD OF EXPERTISE OF REFEREE: Materials and chemical technologies, nanotechnologies, biomedical engineering, chemistry, medicinal and pharmaceutical chemistry

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Dr Tamara Jovanovic / February 8, 2019
SIGNATURE OF REFEREE / DATE