Jundishapur Journal of Natural Pharmaceutical Products
Volume 18 · Issue 2 · e133090

OPEN PEER REVIEW

# Hepatoprotective Effects of Biochanin A Against Acetaminophen-Induced Liver Toxicity in Mice

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| SUBMITTED | REVISED | ACCEPTED | DOI |
| --- | --- | --- | --- |
| 3 Jan 2023 | 11 Mar 2023 | 8 Apr 2023 | 10.5812/jjnpp-133090 |

## About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

More about open peer review: brieflands.com/knowledgebase/opr

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## 1 Original submission

2 comments · 29 Jan 2023 – 31 Jan 2023

### Referee 1 Reviewer

MINOR REVISION 29 Jan 2023

Dear authors
The manuscript needs minor revision.
Some suggestions are:
- Please edit the English writing.
- Please discuss the cause of differences between the groups that received different doses of BA.
- Please place the title of each figure above it.
_ Please add a relevant legend to each figure.
- Please add an interpretation of the undesired effects of 40 mg/kg BA alone or in combination with APAP.
- Please add the name of the method and the kits used to measure the concentration of liver enzymes.
- Please add the brand and country for each material.
With best wishes

### Editor-in-Chief

MINOR REVISION 31 Jan 2023

Dear Authors,
The review of your article has now been completed. The referees recommend minor revisions. Please revise your manuscript according to the provided comments and upload the revised manuscript with point-by-point answers. We look forward to receiving the revised manuscript.

Ypurs,
JJNPP EIC

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# Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

We thank the referees and the editor for their relevant and useful comments. We have modified the manuscript accordingly, and detailed corrections are listed below point by point

**Reviewers' Comments:**

*- In animal experiments section, several groups of animals are treated by specific amounts of drugs. On what basis have you chosen these doses? It needs a reference.*

The dose selection reference was added.

*- Line 77: "Seven hours" is better than "7 hours" as the first letter.*

It was corrected.
*- In histopathological evaluation section, provide a reference for grading.*

Reference added
*- Line 211, maintaining the "reduced state" of the cell.*

*It was corrected.*
*- What is your mean from the word "vehicle" in all figures?*

*It was corrected.*

*- In table 1, how did you estimate the quantitative values for Histological criteria?*
*- More details for the figure's captions are needed.*

*It was corrected.*
*Reviewer 2:*

*- Please edit the English writing.*

The text was edited.
*- Please discuss the cause of differences between the groups that received different doses of BA.*
*- Please title each figure above it.*

It was modified based on the journal format .

_ *Please add a relevant legend to each figure.*

It was modified based on the journal format.
*- Please add an interpretation for un-desired effects of 40 mg/kg BA alone or in combination with APAP.*

It is mentioned in the discussion section.
*- Please add the name of the method and the kits used to measure the concentration of liver enzymes.*

The names of the kits were added
*- Please add the brand and country for each material.*
It was corrected.

Reviewer 1: **Figures (4&5) are not mentioned in the text** correctly (or you have forgotten to mention one or more figures in the article body). Please, .mention all Figures in the text consecutively

Figures (4 and 5) are mentioned in the text with green highlights

## 2 Revision 1

1 comment · 8 Apr 2023

### Editor-in-Chief

ACCEPT 8 Apr 2023

Dear Authors,

I am glad to inform you that your manuscript has been accepted for publication in JJNPP in its current form.
We will send it to the publisher for further processing.
We congratulate you and look forward to receiving your future scientific findings.

Best regards,
JJNPP EIC