Jundishapur Journal of Natural Pharmaceutical Products
Volume 18 · Issue 2 · e135086

OPEN PEER REVIEW

Cytoprotective Activity of Hydroalcoholic Extract of *Conocarpus erectus* Against Ultraviolet B in Skin Cell Line HSF-PI 17

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SUBMITTED	REVISED	ACCEPTED	DOI
21 Jan 2023	6 May 2023	20 May 2023	10.5812/jjnpp-135086

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.

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1 Original submission

2 comments · 4 Apr 2023 – 9 Apr 2023

Referee 1 Reviewer

MAJOR REVISION 4 Apr 2023

Dear authors

Thank you for selecting Jundishapur Journal of Natural Pharmaceutical Products for publishing your valuable research entitled “The cytoprotective activity of an alcoholic extract of Conocarpus Erectus against UVB rays in the skin cell line HSF-PI 17”, but your article needs major revision to be appropriate for publication.
Some main points are as follows:
1. The plant used in the research must be identified by a herbarium center, and a voucher number should be reported.
2. The correct form of the scientific name of a plant is as follows: the first letter of the genus is uppercase, and the first letter of the species is lowercase. In addition, the whole scientific name and the genus should be italicized.
3. The problem is not well stated, especially in the abstract. The wound healing property is not a suitable reason to investigate the cytoprotective activity.
4. The hydroalcoholic solvent (methanol 80 %) was used to prepare the extract, so it is incorrect to write “alcoholic extract” in the title.
5. What is the reason for choosing these concentrations of the extract for the MTT assay, and which solvent did you use to prepare the concentrations of the plant extract? Did 10 g of extract dissolve completely in the solvent?
6. There are no figures in your manuscript.
7. There are some major mistakes in your paper. For example, you wrote in the discussion: “Da Silva and his colleagues researched the effect of hyaluronic acid extract of Conocarpus on wound healing in Wistar rats. Their study found that the hyaluronic acid extract from Conocarpus leaves could considerably enhance cell proliferation and collagen storage in connective tissue(31)”, while the hydroalcoholic extract was used.
8. The article is full of abbreviations that are not mentioned separately.

Best regards

Editor-in-Chief

MAJOR REVISION 9 Apr 2023

Dear Authors,
The review of your manuscript has now been completed. Major revision is required to make it suitable for publication in JJNPP. I invite you to revise the manuscript according to the provided comments. Please upload a point-by-point response to the reviewers and highlight changes in the revised manuscript.

Kind regards,
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.

Dear Editor in Chief

Thank you for your helpful advice

We are grateful for the valuable comments of the reviewers.

The comments of the reviewers were implemented carefully.

Response to reviewer 1: Many thanks

Response to reviewer 2:

1- The Conocarpus erectus used in the research was identified by Khuzestan Agricultural and Natural Resources Research and Education Center herbarium. The voucher number is: 10925
2- The scientific name of plant was corrected according to reviewer comment.
3- The statement of the problem was corrected in the Abstract section.
4- The ‘alcoholic extract” phrase was changed to “hydro-alcoholic extract” through out the manuscript.
5- Thank you for pointing this mistake out. The correct IC50 is 0.016 mg/ml (ref.18). According to ref.18 results, we assessed the toxic effects of 0.001 to 1 g/ml range concentrations of conocarpus on HSFP-I17 cells. (https://www.sid.ir/paper/844571/fa#downloadbottom). The plant fractions were dissolved in PBS.
6- Based on the instructions of the journal, the figures were submitted as separate files.
7- The ‘hyaluronic acid extract” phrase was changed to “hydro-alcoholic extract” in discussion (ref.31).
8- All of the abbreviations were mentioned separately.

The Changes are marked in red

With best regards

Dian Dayer

2 Revision 1

0 comments

No public comments in this round.