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OPEN PEER REVIEW

Synthesis and Biological Evaluation of Novel Anti-leukemia Proteolysis-Targeting Chimeras in Degradating Inosine Monophosphate Dehydrogenase

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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

1 comment · 11 Jul 2022

Referee 1 Reviewer

MINOR REVISION 11 Jul 2022

Dear Author,
The manuscript is really comprehensive and valuable. It is also well written. However, there are a few points that I suggest rechecking.
1- Please spell out the full terms for MPA and PROTAC the first time you use these abbreviations (in the abstract and also in the main body of the manuscript).
2- Please provide references based on the Vancouver style.
3- It is suggested that the methods section be categorized into chemistry and biological evaluation.
4- Please check the spelling of the Jurkat cell line in the table of WB results (page 26 of the supporting file).
5- The main article file and supporting file are attached; please check the highlights or changes made in the files.

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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.

Dr. Soraya Shahhosseini

Editor-in-Chief of Iranian Journal of Pharmaceutical Research

17 July, 2022

Dear Dr. Shahhosseini,

Thank you for your e-mail dated 12 July. 2022 about my submitted article (Manuscript ID: 129251) entitled:

“Synthesis and biological evaluation of novel anti-leukemia proteolysis targeting chimeras (PROTACs) to degradation of inosine monophosphate dehydrogenase”

I want to thank you for providing me with the opportunity to submit the manuscript. We are very grateful for the reviewer’s valuable comments in this revise, which helped us improve the manuscript significantly. We thank the esteemed reviewers for their interest in our work and for helpful comments that will dramatically improve the manuscript, and we have tried to do our best to respond to the points raised. The reviewers have brought up some good points, and we appreciate the opportunity to clarify our research objectives and results. As indicated below, we have checked all the general and specific comments provided by the reviewers and have made necessary changes accordingly to their indications.

You may kindly find step-by-step responses to the referee's comments below. All changes have been highlighted in the main text.

Associate Editor's Comments:

Dear author

Thank you for submitting your research article to the IJPR journal. Your subject is interesting, and your article needs minor revision due to the reviewer's comments. Please note all the comments and re-correct the text.

Response: Thank you for your time and your consideration. Here below, you may kindly find the step-by-step response to the comments.

Reviewer 1:

Dear Author

Thank you for choosing IJPR and submitting your article to this journal. The subject has enough innovation and has innovation, but the below notes help you to improve your article to give acceptance:

Response: Thanks for your time and comments, which helped us improve this manuscript.

1- Some words and sentences need correction. Please check the tracked change. It is suggested that the manuscript be edited by a professional language editor/a Native English speaker.

Response: Thank you for your edition. All changes were accepted and the text was edited professionally. The changes were highlighted in the text.

2- Please check the comments and re-correct the text.

Response: The text has been thoroughly edited, and all corrections have been accepted.

3- in the experimental section, please explain more about the instruments and reagents. Also, the illustration of synthesis details is necessary for the article text.

Response: Materials and instruments were added to the Method section, along with additional explanations. Please follow the green highlighting. Scheme 1 shows the general synthetic route. More information and schematics are included in the supporting file.

Reviewer 2:

Dear Author,

The manuscript is really comprehensive and valuable. It is also well written. But, there are a few points that suggest rechecking them.

Response: Thanks for your time, your positive sight of this manuscript, and your comments which helped us improve the manuscript.

1- Please spell out the full term of MPA and PROTAC, the first time you use the abbreviation (In the abstract and also main body of the manuscript).

Response: All abbreviated terms were defined within the text and abstract. Please follow the blue highlighting.

2- Please provide references based on the Vancouver style.

Response: All references were reviewed and reformatted in accordance with the most recent articles published in IJPR. In addition, the doi of each article was added.

3- It is suggested to categorize the methods section into chemistry and biological evaluation.

Response: The methods section was categorized according to your suggestion.

4-Please check the spell of the Jurkat cell line in the table of WB results (page 26 of supporting file).

Response: Thanks, it was corrected.

5- The main article file and supporting file are attached, please check the highlighted or changes made in the files.

Response: Thanks for your comments and edition. All changes were accepted and the text was edited.

The other corrections:

- In the supporting file, the NMR numbers were superscripted.
- In addition to the new editions, the edited text was incorporated into the revised version.
- The number of compounds was bolded.

I hope that you could consider the manuscript for publication in the "**Iranian Journal of Pharmaceutical Research**".

Thank you in advance for your kind cooperation.

Best regards,

2 Revision 1

0 comments

No public comments in this round.