Iranian Journal of Pharmaceutical Research
Volume 23 · Issue 1 · e148259

OPEN PEER REVIEW

Inhibitory Effects of *Marrubium vulgare* L. Extract on the Female Hormones Based on Bioautography-HPTLC-MS

Sahar Hassannejad, Abdulghany O. I. Sarmamy, Fateme Mirzajani

SUBMITTED	REVISED	ACCEPTED	DOI
29 Apr 2024	6 Jun 2024	13 Jul 2024	10.5812/ijpr-148259

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 · 27 May 2024 – 31 May 2024

Referee 1 Reviewer

MAJOR REVISION 27 May 2024

The work presented in this manuscript is a study of the inhibitory effects of Marrubium vulgare L. extract on female hormones using the bioautography method. Following this, the compounds with significant influence were identified by LC-ESI/MSMS.
Unfortunately, this work does not meet the standard of work published in this journal for the following reasons.

General comments
1. There are some fundamental problems in the discussion part. For example, L16 and L17 and L25 p13.
2. The paper is not well written in English, and some of the reported information is confusing.
3. The Conclusion section only mentioned some general points without any interpretation. The Conclusion should interpret the findings at a higher level of abstraction with proper closure.

Specific comments
1. Fig. 2. Mass spectra were not assigned correctly.
2. Materials and method, L17 p10: the guard column characteristics should be added. L8 p11: the authors explained the features of LC/MSMS; what does “situated in germany” mean?
3. L4 p14, “retention duration” should be changed to retention time.

Associate Editor

MAJOR REVISION 31 May 2024

Dear authors
Please revise the manuscript in accordance with the referee's comments.

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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 of IJ Pharmaceutical Research,

The authors are very grateful to the respected editor and valuable reviewers of IJ Pharmaceutical Research for paying attention to the article “*Marrubium vulgare* L. Extract Inhibitory on the Female Hormones using Bioautography-HPTLC-MS”. The suggestions sent by the referees were fully reviewed and answered. Corrections are highlighted in the text.

Reviewer 1:

General comments

1. There are some fundamental problems in discussion part. For example L16 and L17 and L25 p13.

Thank you for your attention. We are ready to correct the problems. Please explain a little more about "the fundamental problems in the discussion part" and it will definitely be checked and corrected.

2. The paper is not well written in English and some reported information are confusing.

The English writing was revised.

3. Conclusion section just mentioned some general points without any interpretation. Conclusion should interpret the findings at a higher level of abstraction with a proper closure.

The conclusion section rewrites.

Specific comments

1. Fig. 2. Mass spectra were not assigned correctly.

The Mass identification revised.

2. Materials and method, L17 p10 guard column characteristics should be added. L8 p11, authors explained the features of LC/MSMS, what does “situated in germany” means?

The information of the guard column is included.
Germany refers to the device purchased from the center, which was written incorrectly.
Thanks for your attention; it has been corrected.

3. L4 p14, “retention duration” should be changed to retention time.

Thanks for your suggestion; it has been corrected.

My colleagues and I hope the revisions will be considered. In the end, we appreciate the attention and cooperation of the editor and reviewers and we are ready to hear your suggestions and questions.

Regards,
Fateme Mirzajani

2 Revision 1

2 comments · 12 Jul 2024 – 12 Jul 2024

Mustafa Ghanadian Reviewer

ACCEPT 12 Jul 2024

Dear authors,
Thanks for responding to the comments. However, the article is too short, and I recommend that the article be accepted, but as a communication letter.

Associate Editor

ACCEPT 12 Jul 2024

Dear authors
I would like to suggest the publication of your text. However, it is too short, and I recommend it as a communication letter.