Reviewer’s report

Title: Acteoside inhibits inflammatory response via JAK/STAT signaling pathway in osteoarthritic rats

Version: 1 Date: 04 Jun 2019

Reviewer: Mokrish Ajat

Reviewer's report:

Comments to author:

1. The title should be changed to 'Acteoside inhibits inflammatory response via JAK-STAT signaling pathway in osteoarthritic rats'.

2. The author did not mention about how the ACT extract was prepared.

3. The author should include positive control groups in this experiment so the result can be benchmarked with a known response effect.

4. Although the result is significant, the usage of words such as 'drastically reduced' and 'remarkably enhanced' should be avoided as the results was not too significant.

5. Should include diagram on how and where ACT inhibit IL-1β in JAK/STAT pathway.

6. JAK-STAT or JAK/STAT? Not consistent.

Spelling/Grammar error
Line 229: (Our confirmed)
Line 137: (10-week old, n = 30)

Diagram/Graphs/Images
Fig 1B: The cartilage cytoplasm cannot be viewed clearly

References

50% of the references are outdated (more than 5 years)
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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