Reviewer's report

Title: Standardized butanol fraction of WIN-34B suppresses cartilage destruction via inhibiting the production of matrix metalloproteinase and inflammatory mediator in osteoarthritis human cartilage explants culture and chondrocytes

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Reviewer: EunAh Lee

Reviewer's report:

The question that this study is trying to answer is well defined and the data soundly support the conclusion.
Especially, authors examined the appropriate target components to explain the protective mechanism of this new drug.

But, there are several points as follows to be amended before acceptance.

1. The identity of the PBMCs obtained from buffy coat was not commented in this manuscript.
2. As the WIN-34B showed differential effect on MAPKs compared with MF and CA, please comment about the implication in down-regulation of pERK and pJNK by WIN-34B for anti-inflammatory effect or tissue protective effect.
3. The data presented in this study is so soundly presented that it is infallible to understand. However, the written expression at some parts cause misunderstanding. I strongly suggest that the English need to be edited by native speaker.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.