Reviewer’s report

Title: Water extract of Rumex crispus prevents bone loss by inhibiting osteoclastogenesis and inducing osteoblast mineralization

Version: 0 Date: 27 Jul 2017

Reviewer: Ira Bhatnagar

Reviewer's report:

The manuscript entitled "Water extract of Rumex crispus prevents bone loss by inhibiting osteoclastogenesis and inducing osteoblast mineralization" is very well planned, executed and presented. However, considering a few points towards the betterment of the manuscript is suggested as follows.

1. A preliminary comparative experiment with emodin, physcion, and chrysophanol to identify the major active components regulating the differentiation of bone cells would be a great asset for the present work.

2. A microscopic picture of undifferentiated and differentiates cells should be provided.

3. Chemical structures of emodin, physcion, and chrysophanol should be provided so as to enable the chemist readers to gain insight for a structure-function relationship study.

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.

Yes

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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