

Reviewer's report

Title: Centipede Grass exerts anti-adipogenic activity through inhibition of the AKT signaling pathway

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Reviewer: Chin-Lin Hsu

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Centipede Grass exerts anti-adipogenic activity through inhibition of the AKT signaling pathway

This manuscript reported that anti-adipogenic activity of Centipede Grass in 3T3-L1 cells. I have some specific comments for the authors to consider:

Major Compulsory Revisions

1. In title and Conclusions: From my point of view, suggesting that the word "AKT signaling pathway" is a very strong message and should be softened. Moreover, authors should provide more relevant experimental data.

Minor Essential Revisions

2. Page 4, lines 116-117: differentiation/induction medium (DMII), please confirm the abbreviation.
3. If more compounds (such as pure compounds from Centipede Grass) were tested, the results should be better.
4. In Figure 2C: the lack of Y axis.
5. In Figure 3A and 3B: the word "DMII DMII+100 ug/ml CG" (X axis) should be corrected.
6. Figure 3C should be combined to Figure 1C.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests