Reviewer’s report

Title: Inhibitory effect of green coffee bean extract on fat accumulation and body weight in mice

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Reviewer: Pin-Der D Duh

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Although many papers dealt with fat accumulation and body weight of natural products, a few reports for inhibitory effect of green coffee bean on fat accumulation and body weight in mice have been appeared so far. This paper provided some interesting data on reducing fat accumulation and body weight. However, the discussion of the paper seemed to be scanty. Also, it is difficult to understand the mechanism of reducing fat accumulation and body weight of GCBE in the present study.

Detailed comments:

Page 2, lines, 4-5, The sentence has no significant corrections. It needs to be corrected.

Page 3, line 5, authors explained that caffeine inhibited the fat adsorption and upregulated GPT activity. However, the data in Fig. 4 showed that caffeine did not positively modulate GPT activity.

Page 8, the effect of GCBE on reducing TG level was less than CA, however, the latter is present in GCBE, the authors need to explain and discuss why the discrepancy is.

Page 9, GCBE was able to enhance CPT activity, but CA and caffeine did not have this property. This finding revealed that some other active components in GCBE might contribute to this property. The authors should try to explain.

I recommend rejection this paper for publication.