Reviewer's report

Title: Peroxisome proliferator-activated receptor-activating hypoglycemic effect of Gardenia jasminoides Ellis aqueous extract and improvement of insulin sensitivity in steroid-induced insulin-resistant rats

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Reviewer: Juei-Tang Cheng

Reviewer's report:

This manuscript entitled “Peroxisome proliferator-activated receptor-activating hypoglycemic effect of Gardenia jasminoides Ellis aqueous extract and improvement of insulin sensitivity in steroid-induced insulin-resistant rats” has been reviewed and it seems interesting. As the traditional Chinese medicine, Gardenia may have the potential to be the insulin sensitizer via activating PPARα. But some points as follows shall be concerned.

1. In the results of abstract, “..including insulin receptor substrate-1 and peroxisome proliferator-activated receptor (PPAR)α.” should be revised to “..including insulin receptor substrate-1 (IRS-1) and peroxisome proliferator-activated receptor (PPARα).”.
2. In page 11 line 14, a term “.. 0.1% Tween20..” should be revised to “.. 0.1% Tween 20..”.
3. In page 14 line -2, the “IRS1” should be revised to “IRS-1”.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

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.