Reviewer’s report

Title: A preliminary report on oral glucose tolerance and antinociceptive activity tests conducted with methanol extract of Xanthosoma violaceum aerial parts

Version: 2  Date: 7 August 2014

Reviewer: Elham Farsi

Reviewer’s report:

Major Compulsory Revisions:

1- This report is very preliminary, and does not present (except in plant any novelty and sound finding.

the methods used to justified the pharmacological properties are inadequate, and authors have to justify strongly, the reason for selection of these methods.

2- Please justified the selection anti-hyperglycemic and antinociceptive to be reported in single research article? (Is there any correlation between these two pharmacological properties.)

3- The isolation and compounds from close plant family is supportive reference, however it can not explain the pharmacological properties of current plant.

please prove the presence of enough ratio of phytochemical in plant, and their potential effect.

4- please justify how the antihyperglcemic properties is not the result of interference of oral administration of plant extract and glucose.

5- please justify the reason for selection of glibenclamide as reference compound.

6- The article is not well written and coherent, esp in introduction and discussion.

Minor Essential Revisions

Material and method

1- plant extraction procedure need to be describe fully.

2- The ethical approval reference No. for animal work is need.

3- We and Wc (page 5) is not fully define

4- MEXV in not described in table 2.

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:**

No deceleration.