Reviewer’s report

Title: Evaluation of Hypoglycemic Potential of Tridax procumbens (Linn.)

Version: 1 Date: 8 January 2009

Reviewer: Karl WK Tsim

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In this manuscript, the anti-diabetes activity of Tridax procumbens was investigated. Diabetic rat model was employed in the study. The oral administration of the extract from the whole plant exhibited hypoglycemic activities including reducing fasting blood glucose level, increasing oral glucose tolerance and correcting body weight. No acute toxicity was found in the study. The data shown in this manuscript were convincing, however, there are still several aspects need to be improved before publication.

Major comments:

1. Since the traditionally, the leaf powder is used for treating diabetes, but in this study, 50% methanol extract of the whole plant was employed. The authors need to explain the rational of this choice of the materials.

2. In the methods as on page 4, it would be better to provide the age of the medicinal herb used.

3. In the result part, at the very beginning, it would be better to describe the physical condition of the animal model used.

4. All the data in this manuscript were shown in table format; however, it would be better to include graphs for the convenience of readers.

5. In the background part in page 3, it was mentioned that the limitation of the conventional treatment of diabetes using sulfonylureas and biguanids, such as side effect and fail to significantly alter the complications. Therefore, it would be necessary to include the potential activity of this medicinal herb against the complications of diabetes.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
'I declare that I have no competing interests'