Reviewer’s report

Title: Anxiolytic-like effects of compound Valeriana jatamansi Jones in mice

Version: 2 Date: 25 April 2012

Reviewer: Choon-Gon Jang

Reviewer’s report:

This paper reports that compound of Valeriana jatamansi Jones (CV) showed anxiolytic effects in mice. The design of the studies stated in this manuscript and the quality of the results stated are of standard. However, the authors need to address the following concerns.

1. Authors used 2.4, and 4.8 g/kg (p.o.) of compound of Valeriana jatamansi Jones. These dosages are too high although it showed an anxiolytic effect. There is no clinical meaning if dosage is too high.

2. In fig. 2, CV increased open arm time and entries in EPM. However authors did not provide transition in the arms. If the transition of mice is increased, anxiolytic effects of CV may due to increase in locomotor activity.

3. On page 5, line 15, authors need to provide the ratio of extracts.

4. On page 3, line 7-11, statement of the long-term use of benzodiazepines is not necessary.

5. On page 7, line 9, locomotor activity was recorded by Anilab. Please provide city and nation of Anilab.

6. Authors used 2 mg/kg of diazepam in EPM and used 6 mg/kg of diazepam in locomotor activity. Are there any reasons for that?

7. In the title, anxiolytic-like effect should write anxiolytic effects.

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

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