Reviewer's report

Title: Vanda roxburghii: An experimental evaluation of antinociceptive properties of a traditional epiphytic medicinal orchid in animal models

Version: 2
Date: 3 May 2015

Reviewer: P. Kamalakannan R. Pandurangan

Reviewer's report:

Discretionary revisions:

a. Acetic acid assay:
1. Number of animals used is n=5 why not n=6.
2. V. roxhurghii methanol extract percentage of inhibition was mentioned for 25 mg/kg as 15.97%, the values for 12.5 and 50 mg/kg was not shown.
3. Line 180 - 183 values for maximum percentage of inhibition (50 mg/kg) for all extracts was shown similarly values for lower dose (12.5 mg/kg) could be mentioned in results.
4. ED50 values are not mentioned for all extracts.

b. Formalin assay: Line 191-195
1. Standard drug diclofenac sodium value for early phase?
2. Standard drug morphine value for early and late phase - % of inhibition not shown for comparison with all extracts.
3. Extracts of VRA and VRM values for early and late phase was not mentioned in results.
4. The extracts VRP and VRE early phase inhibition of 44.59 and 43.5 % is in comparison with morphine or diclofenac sodium. Similarly for late phase 42.4 and 50.9 % is in comparison with diclofenac sodium or morphine was not mentioned.

Discussion: Line 259 - 260 (Formalin assay)
If late phase is in comparison with diclofenac sodium then compound (extracts) suppress inflammatory pain. Early phase with morphine then suppression of neurogenic pain.

c. Hot plate assay: Line 200
Morphine (10 mg/kg) latency time is given but the percentage of inhibition was not mentioned for all observation period (30, 60, 90, 120 min).
2. The increase in latency period values could have been shown in table as numerical values instead of graphical representation.

D. PAGE LINE 163 CHECK.
ALL THE ABOVE ARE SUGGESTIONS FOR AUTHOR. WHETHER THE REQUIREMENT OF SUGGESTED DATA AND THEIR USEFULNESS / ESSENTIALITY CAN BE DECIDED BY THE AUTHOR.

**Level of interest:** An article of importance 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