Reviewer's report

Title: Neuritogenic effect of standardized extract of Centella asiatica ECa233 on human neuroblastoma cells

Version: 2 Date: 4 July 2013

Reviewer: Janne Nielsen

Reviewer's report:

Minor essential revisions:

1: In my first report I asked the authors to state for how many cells the neurite outgrowth was analysed, and to state how many independent experiments were done.

The authors have now written that n=60 for each treatment group. However I still find this information inadequate as it is not possible to see from this information what number of cells were analyzed per condition per independent experiment, and how many independent experiments were done. Authors should therefore revise the text and state:

a) how many cells were analyzed per treatment per independent experiment.
b) How many independent experiments were made, i.e. how many times were the experiment repeated.

For instance, if the experiment was repeated 3 times then n=3.

If the authors by n=60 means that 60 cells were analyzed per condition but the experiment was only done one time, then the experiment should in my opinion be repeated at least two more times (3 independent experiments). The average neurite length from each experiment should then be used for statistical analysis, meaning that n is 3 and not 3 x 60.

This comment regards data in both figure 3 and 5.

2: In the abbreviations inositol 1,4,5-triphosphate 3-kinase should be corrected to Phosphoinositide-3-kinase as this is what PI3K is an abbreviation for.

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

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