Reviewer's report

Title: Growth arrest and apoptosis via caspase activation of dioscoreanone in human non-small cell lung cancer A549 cells

Version: 2  Date: 21 February 2014

Reviewer: Supinya Tewtrakul

Reviewer's report:

Dear... Editor

The manuscript (MS) described on growth arrest and apoptosis via caspase activation of dioscoreanone in human non-small cell lung cancer. The MS is merit for publication after revision as follows;

1. Please add the data of the positive control for cytotoxicity test in Table 1 as well as in the discussion part.
2. Figures 1-7 have poor quality.
3. Please indicate the statistical significance for Figure 2B and Figure 7 when compared to that of the control group (*p<0.05 or **p<0.01).
4. The color for the control bar graph have poor quality.
5. Why the control group for Figures 6 and 7 did not have a y-bar error?

Level of interest: An article of importance in its field

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.