Reviewer's report

Title: Edible bird's nest ameliorates oxidative stress-induced apoptosis in SH-SY5Y human neuroblastoma cells

Version: 1
Date: 8 June 2014

Reviewer: Audrey Yong

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Major Compulsory Revisions

This study aims to investigate the neuroprotective effect of Edible bird’s nest (EBN) extracts in the neurotoxin-induced in vitro PD model. The authenticity of EBN is imminent. Provide evidence of authentication (Certificate of authenticity) of EBN.

The EBN was first prepared into pancreatin-digested crude extract (S1) and water extract (S1) were water soluble samples. Method of extraction does not reflect how it is traditionally prepared. Test materials, S1 and S2 are aqueous extracts, these samples should easily dissolved in deionised water (followed by filtration). This manuscript described the polar samples S1 and S2 test solutions were made in DMSO, a relatively non polar solvent. Sonication of 6 hours was required to increase solubility. Sonication of this length is not usual and may disrupt the integrity/quality of the bioactive component.

Figure 2 Cell micrographs (B, Bi, Bii and Bii) are of different contrasts. The arrow head used are of inconsistent shapes and size.

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.