Reviewer's report

Title: Anti-inflammatory effects of Polygonum minus (Huds) extract in in-vitro enzyme assays and carrageenan induced paw oedema

Version: 3 Date: 4 June 2014

Reviewer: Rofhiwa Bridget Mulaudzi

Reviewer's report:

An interesting, clearly written paper, there are some areas that require attention

Major compulsory revisions is required
1. 100% DMSO to dissolve plant extracts pose a negative effect on results or cells. DMSO has its own biological activities at higher concentrations and can either kill cell or protect them by acting as an antioxidant. I suggest less concentration to be used to dissolve plant extract or solvent that may not have negative effect.

2. I agree that P. minus reduced paw edema, but cytotoxicity or another study still need to be conducted to confirm the safety.

Line 36: to evaluate aqueous extracts of Polygonum minus
Line 37: clinical testing

Remove figure 1

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.