Reviewer's report

Title: Hexane fraction of Ardisia crispa Thunb D.C root inhibits inflammation-induced angiogenesis

Version: 1 Date: 13 August 2012

Reviewer: Denise Carmona Cara

Reviewer's report:

This study was aimed to investigate the anti-angiogenic potential of the the hexane fraction of Ardisia crispa root ethanolic extract (ACRH) and its quinone-rich fraction (QRF) on the animal models of inflammation-induced angiogenesis. While this manuscript is an interesting study regarding the effects of natural products in an air pouch model, some questions reveal a limited priority for publication in this journal at this time. The authors should be encouraged to address the following aspects of this manuscript:

Major Compulsory Revisions

1- How the authors know that the results are connected with angiogenesis and not only increased vascular permeability of peripheral vessels? Did the authors perform histology analyses of the new vessels? The histology is also necessary to investigate the granuloma tissue which were not reduced by both treatments.

2- The Discussion section of the manuscript did not bring to the reader a mechanistic approach of the present results. This may confer to the text a merely descriptive nature. Conclusions are restricted to a few comparisons of the present results with other studies already reported. The authors deduce that ACRH and QRF are capable of halting blood formation process by suppressing VEGF-induced vascular permeability once the blockade of PGs by indomethacin attenuates the vascular permeability (literature). For this study, dosage of PGs should be performed in the air pouch tissues in treated and non-treated groups.

3- Since the lowest dose showed more efficacy, doses even lower of these components should be tested.

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.