Reviewer's report

Title: Anti-proliferative and anti-adhesive effects of four plant extracts on the breast cancer cell line MCF-7

Version: 1 Date: 27 January 2014

Reviewer: Oliver Treeck

Reviewer's report:

This is a well performed study using appropriate methods.

Major Compulsory Revisions

However, the presented data are not sound, but even contradictory. The effects of the plant extracts on proliferation and apoptosis vs. MTS data are inconsistent. For example, with regard to JCP1 and PS, 10µg/ml reduce proliferation, but 25µg/ml enhance it. With regard to JCP2, 1µg/ml activate proliferation, but 10µg/ml reduce it. Whereas 50 µg/ml JCP2 reduce viable cell (MTS) values by about 80%, proliferation is not affected by this dose and apoptosis is even reduced, which does not make any sense.

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

Quality of written English: Needs some language corrections before being published

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'