Reviewer’s report

Title: Bufalin, a component in Chansu, effects anti-proliferation and anti-invasion for hepatocellular carcinoma

Version: 4 Date: 7 June 2013

Reviewer: suresh kumar

Reviewer’s report:

The present manuscript has improved its quality in terms of English and substance. Very few suggestion as given below which may be considered by authors. With this modification, it may be acceptable for publication.

Few Suggestions/ Comments

In Background section, first para

Chinese traditional medicine may change the status quo and the herbal compound Songyou yin may improve… in HCC (%) in page number 4 . The written word may be used in national journals. It is of opinion to modify as follows.

This is may be written as” Certain Chinese traditional medicines were found to be effective in treatment on cancers, drugs like Songyou which were reported to improve ..in HCC”.

Under Results section

The dose of buffalin always used under 100nmol/L concentration. The results of adhesion, invasion, migration and their respective histograms have shown that there is non-significant difference between 10nmol and 100nmol. Authors should have chosen an intermediate concentration up to 50 nm or serially tested concentration from 10nM to 50, as the effect is visible from 10nM concentration.

In any medicinal use, dose reduction is of great values as it avoids unnecessary toxicity on patients.

The author may mention why they have chosen 100nm instead of 50nM in discussion as well possible outcome with this concentration.

Under discussion part- page 15

“Similar trends were observed in both of these hepatoma cell lines in various experimental processes, which further verified the importance of AKT/GSK3β/#-catenin/E-cadherin signaling in HCC”.

Reference may be quoted and the present study shouldn’t be repetition, should hold novelty.

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