Reviewer's report

Title: Genistein inhibits tumor invasion by suppressing multiple signal transduction pathways in human hepatocellular carcinoma cells

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Reviewer: Min-Hsiung Pan

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Comments to the Author

In this manuscript, the authors investigated the inhibitory effects of genistein on tumor invasion by suppressing multiple signal transduction pathways in human hepatocellular carcinoma cells. They demonstrated that genistein suppressed TPA-induced activation of extracellular signal-regulated kinase phosphatidylinositol 3-kinase/Akt that is upstream of NF-kappaB and AP-1. The topic is interesting and original. The manuscript needs professional editing for clarity of presentation and English usage.

1. The manuscript requires extensive editing for English usage. Professional editing is needed. This is quite serious to the point and impedes scientific review. A few comments are provided nonetheless.

2. Figure 6, the Western blotting for protein levels should be quantitated with a computer densitometer.

3. Figure 6, phosphorylation of IκB is unclear in TPA treated HepG2 cells.

Level of interest: An article of limited interest

Quality of written English: Not suitable for publication unless extensively edited

Statistical review: No, the manuscript does not need to be seen by a statistician.