Reviewer’s report

Title: Polysaccharides from the root of Angelica sinesis promotes hematopoiesis and thrombopoiesis through the PI3K/AKT pathway

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Reviewer: Stan Heptinstall

Reviewer’s report:

This is an interesting paper that contains many positive results but I found it deficient in several respects:

Abstract - this does not clearly summarise the paper - a re-write is needed. It should follow more closely the contents of the paper. Comparisons with TSP are mentioned but no results are included.

Figure 2. There is a discrepancy in that 2A provides results on red cells but writer of the text refers to platelet count. Also, the text does not correctly describe the contents of the Figure. This needs correction.

Other Figures. Again, the text does not accurately describe the contents of the Figures and accompanying tables. Where are the significance values?
Additionally, far too much information is provided between the Figs and Tables which is difficult for the reader to follow. Considerable simplification is needed with a full reconsideration of the number of Figs, Tables and the text that gose with it. I think there is interesting data but the reader has to work too hard to take in the information.

Regarding the figs that include flow cytometry, again can the data be simplified so that the actual plots are not needed?

I have difficulty with the concept of APS reversing the effect of Ly294002. Maybe the authors could explain better what they think is going on?

Despite these criticisms, I congratulate the authors on their hard work and interesting data.

Level of interest: An article of importance in its field

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