Reviewer’s report

Title: Standardized ethanol extract of Tinospora crispa upregulates pro-inflammatory mediators release in LPS-primed U937 human macrophages through stimulation of MAPK, NF-κB and PI3K-Akt signaling networks

Version: 1 Date: 06 Jun 2020

Reviewer's report:

The manuscript requires major revision and could not be published in the current format;
1- Written English language should be revised by a native English language speaker/writer;
2-Line 183, change "105" to 10^5;
3-Probability symbol should be represented by a lower case "p" throughout the manuscript;
4-Nitric oxide (NO) was a part of the discussion "not detected" (line 362-365) but there was no indication that it was included in the study or mentioned in the methodology part;
5-The discussion and interpretation of COX-2 assay is rather misleading (line 359-362). COX-2 is a pro-inflammatory mediator and attenuation of its activity is desirable in chronic inflammation rather that its up-regulation. I hope the authors could review this section and the concept on this assay.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Unable to assess

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Unable to assess

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:
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