Reviewer’s report

Title: Castanea Sativa Mill. bark extract exhibits chemopreventive properties triggering extrinsic apoptotic pathway in Jurkat cells

Version: 0 Date: 26 Dec 2016

Reviewer: P. Rameshthangam

Reviewer’s report:

1. Provide the HPLC chromatogram of Castanea Sativa Mill. (CSM) extract confirming the presence of phenolic compounds.

2. Include the morphological analysis (micrographs) of Jurkat cells.

3. Provide the schematic mechanism of anticancer activity of the extract.

4. Provide the JC-1 ratio along with red and green fluorescence images for mitochondrial membrane potential.

5. Though CSM bark extract was purchased commercially for this study, specify the method for synthesis of CSM bark extract.

6. Kindly avoid sentences like "thank to their phytochemical content", "thanks to its ability" (in the abstract) and usage of thanks in the manuscript (Page-12).

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

Yes

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

Yes

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

Yes

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.
I am able to assess the statistics

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

Acceptable

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