**Reviewer’s report**

**Title:** Inhibitory effects of berberine on proinflammatory M1 macrophage polarization through interfering with the interaction between TLR4 and MyD88

**Version:** 0  **Date:** 24 Jun 2019

**Reviewer:** Sajjad Ahmad

**Reviewer's report:**

1. The English language and spelling mistake start from the very title of the manuscript, see the first word of title, so all the mistakes should be avoided.

2. Why only female mice were used for the said study?

3. Why did you employ 490 nm for MTT assay?

4. Each and every procedure should be cited with a reference followed.

5. Literature regarding the Berberine should be added to the background section

6. The English language mistakes and typographical mistakes should be avoided.

7. 40g should be 40 g, 10ml should be 10 ml, 37oC should be 37 oC, 12h should be 12 h and so on.

8. Space should be there in between the last word of the sentence and the citation.
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:

Not suitable for publication unless extensively edited

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