Reviewer’s report

Title: Anti-viral activity of culinary and medicinal mushroom extracts against dengue virus serotype 2: an in-vitro study

Version: 4 Date: 25 Jul 2019

Reviewer: Ying-Ray Lee

Reviewer's report:

Major comments:

1. The anti-DENV2 activity of the mushroom extract needs to confirm in human monocyte.

2. The inflammatory cytokines and chemokines have to evaluate under mushroom extract treatment.

3. Mushrooms are edible as well as used by many populations as medicine. But is the dose used in this study biologically relevant? What is the rationale for choosing this dose? Because the authors use the extracts to prove antiviral activity, its applicability and relevance would be significant if the availability of the dose/active compound is biologically feasible considering oral bioavailability and metabolism.

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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