Reviewer’s report

Title: Antituberculosis activity, phytochemical identification of Costus speciosus (J. Koenig) Sm., Cymbopogon citratus (DC. ex Nees) Stapf., and Tabernaemontana coronaria (L.) Willd. and their effects on the growth kinetics and cellular integrity of Mycobacterium tuberculosis H37Rv

Version: 0 Date: 06 Sep 2017

Reviewer: Kazuhiro Takuma

Reviewer's report:

Mohamad et al. examined the antituberculosis activity of Costus speciosus (J. Koenig) Sm., Cymbopogon citratus (DC. ex Nees) Stapf., and Tabernaemontana coronaria (L.) Willd. And, they demonstrated that these compounds have similar effects to isoniazid against cellular growth of Mycobacterium tuberculosis H37Rv.

However, I have several concerns as the following,

1. Pharmacological mechanisms (overall): How can these compounds exert antituberculosis activity? Which molecules are the targets for these compounds? I strongly recommend you to identify pharmacological mechanisms underlying their antituberculosis activity to make clear the advantage of these compounds compared with isoniazid.

2. Statistical analysis (Fig. 2): You should carry out statistical analysis for the data of Fig. 2.

3. References: There are a great number of papers. Please select the important papers within 50 ones.

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 recommend additional statistical review

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

Acceptable

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