Reviewer’s report

Title: Pharmacokinetic and pharmacodynamic modelling of oral mitiglinide on glucose lowering in healthy Chinese volunteers

Version: 1 Date: 10 Apr 2017

Reviewer: Melanie Felmlee

Reviewer's report:

The authors made a number of the improvements suggested in the first review; however, I still have concerns that need to be addressed.

1) The English and grammar needs to be edited throughout.

2) An explanation of the selection of the Biophase model needs to be included.

3) The statistical analysis section contains a description of the model. This should be moved to the model and data analysis section.

4) Methodology for selection of parameters that had population variability needs to be included.

5) For the table: non-compartmental and population modeling parameters should be separated into two tables.

6) Figure 1 should be revised and preferably generated outside of the Phoenix platform for clarity.

7) The labels of figure 3 should be altered so that they are concentration versus time and effect versus time.

8) The abstract still indicates that WinNonLin was used. Further the results section should include a description of the model development and fitting.

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:

Needs some language corrections before being published

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