Reviewer’s report

Title: Identification of cryptolepine metabolites in rat and human hepatocytes and metabolism and pharmacokinetics of cryptolepine in Sprague Dawley rats

Version: 0 Date: 13 Feb 2017

Reviewer: Roberto Passera

Reviewer's report:

A well planned, executed and reported "narrative, non systematic" pk study on cryptolepine for malaria treatment.

The manuscript is quite exhaustive and covers different topics. I have only some minor concerns:

- it would be important to stress that this research was a "mere proof of concept", due to the extremely low sample size (2+2 rats!)

- the lackness of a formal sample size determination has to be justified: moreover, why 2+2 rats?

- stat and pk methods are partially lacking, no stat tests were used? which pk package was used? oral vs. iv data were different? and so on!

- mind several undefined abbreviations, like i.e. NVP-TAA501, D2O, CH3OD, NIBR-CA IACUC: all of them have to be properly defined

- mind some typos here and there, like Cremaphor
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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