Reviewer’s report

Title: Absence of herb-drug interactions of Mistletoe with the Tamoxifen metabolite (E/Z)-Endoxifen and Cytochrome P450 3A4/5 and 2D6 in vitro

Version: 0 Date: 28 May 2018

Reviewer: Vishvanath Tiwari

Reviewer's report:

In the present MS, estrogen receptor positive human breast carcinoma cell line MCF-7 was treated with (E/Z)-endoxifen hydrochloride in the presence and absence of a defined estradiol concentration. Each concentration of the drug was combined with fermented Viscum album extracts (VAE) at clinically relevant doses, and proliferation, apoptosis and cell cycle were analyzed. In parallel, possible inhibition of CYP3A4/5 and CYP2D6 was investigated using 50-donor mixed gender pooled human liver microsomes (HLMs).

The result are interesting and present manuscript is a detail study and I agree with most of the parts but manuscript does not explain its suitability for alternative medicine. They have selected the plant (standardized mistletoe, Viscum album) preparations but they have not characterised the component responsible for the anti-tumor activity. Hence my decision is major revision. I am happy to review the revised version of the manuscript and will consider it for publication in future if correction have been made.

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?
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No
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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