Reviewer's report

Title: Effects of Eleutheroside B and Eleutheroside E on rat cytochrome P450 activity in vitro

Version: 4 Date: 9 October 2013

Reviewer: S w Hong

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- Major Compulsory Revisions

1. Why did you work the effect on CYP450 2D6 and 3A4 in just one substrate (Dextromethorphan and testosterone, respectively)

   : As you know, we can't obtain enough informations about the effect on CYP450 2D6 and 3A4 with just one substrate because of many polymorphisms and metabolisms.

2. DDI is very important for multiple-dosing. CYP450 of DDI is a key factor. So, we must know about the information on human DDI. However, this manuscript showed me about effects of EB and EE on just rat CYP450 activity in vitro. That's not enough on interpreting the DDI in human of EB and EE. The authors must discuss about the correlation rat and human species of CYP450 microsome.

- Minor Essential Revisions

1. 'introduction' " lots of chemical, pharmacological and clinical studies on ES have been carried out in the world" - What's the reference?

2. How much percent is included EB and EE in Eleutherococcus senticosus(ES)?

   : We need to consider on the exposed dose of EB and EE in usually used dose of ES.