Author’s response to reviews

Title: Gastroprotective effect of carob (Ceratonia siliqua L.) against ethanol-induced oxidative stress in rat

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Response to Reviewers Comments

We thank the referees for their comments which helped us improve the present manuscript.

Reviewer: SUN CHUL Chul Kang
Reviewer’s report:
Although manuscript has been re-reviewed, we found that the manuscript is not suitable for the publication due to following reasons;

Q 1.
Manuscript failed to analyze the obtained data properly and the consistency of data is not maintained well. For example, lower concentration is showing good activity compare to those the higher concentrations.

Response
Reviewer is right, We are sorry for this mistake. we have not downloaded the last time the appropriate version of figures.
See modifications in the result section.

Q 2.
The authors did not demonstrate the IC50 value and acute toxicity test also has not been done.

Response
Before realizing the present investigation, an oral acute toxicity of the carob pods aqueous extract (CPAE) has been conducted. According to reviewer comments this result was added in the new version of the present manuscript.

Methods: The carob pods aqueous extract in the dose range of 0.05, 0.1, 0.5, 1, 2, 5, 10 and 200 g/kg was orally administrated to different groups of mice (n = 10). The animals were examined every 30 min during 4 h and then, occasionally for an additional period of 8 h. 24 h after, the mortality was recorded. The mice were also observed for other signs of toxicity, such as motor co-ordination, righting reflex and respiratory changes.

Results: In the acute oral toxicity study, neither abnormal behavior nor mortality was detected during the observation period. Thus, the LD50 value was greater than 20 g/kg b.w. for the aqueous extract of carob pods.

Consequently, we select 0.5, 1 and 2 g/kg, for the gastroprotective study. With these doses we can show the maximum of beneficial effects without any signs of toxicity and we can also identify the dose response of our extract.

Q 3.
Manuscript still contains a lot of grammatical as well as scientific writing mistake e.g. mm which should be mM and so on.

Response
All manuscript section has been checked again for English language with the help of a scientific English user.

"mm" has been replaced by "mM" throughout the manuscript

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