Reviewer's report

**Title:** Acute and Subchronic in-vivo effects of Ferula hermonis L. and Sambucus nigra L. and their Potential Active Isolates against Hyperglycemia, Tactile Allodynia and Thermal Hyperalgesia in a Diabetic Mouse Model of Neuropathic Pain

**Version:** 2

**Date:** 12 April 2015

**Reviewer:** Tufan Mert

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Title: Acute and Subchronic in-vivo effects of Ferula hermonis L. and Sambucus nigra L. and their Potential Active Isolates against Hyperglycemia, Tactile Allodynia and Thermal Hyperalgesia in a Diabetic Mouse Model of Neuropathic Pain

Experiments conducted aimed at evaluating the potency of alternative herbal medicine, Ferula hermonis L. and Sambucus nigra L on diabetic animals with neuropathic pain. The main observations made by the authors were that Ferula and Elder extracts exerted have anti nociceptive, antioxidant and anti hyperglycemic potentials.

This experimental study is well performed. However, I have several comments,

1. Title is very long. It should be shortened. “Hyperglycemia, Tactile Allodynia and Thermal Hyperalgesia” may be removed.
2. Abstract should also contain numerical data.
3. A Working hypothesis can be added
4. Abbreviations (eg. DM) should be explained.
5. All citation in the text should be checked and corrected according to journal style (eg, page 2 line 4)
6. Conditions of animals should be described.
7. Why did you use glibenclamide as reference, explain shortly.
8. Why did you use tramadol as a positive control, explain shortly.
9. P values should be clearly stated in the result section.
10. Figure legend too long. Excessive and unnecessary information should be removed.
11. Graphics about thresholds can also be line graphics.

**Level of interest:** An article whose findings are important to those with closely related research interests
Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests.