Reviewer’s report

Title: Gastroprotective effect of Desmosdumotin C isolated from Mitrella Kentii against ethanol-induced gastric mucosal hemorrhage in rats: possible involvement of glutathione, heat-shock protein-70, sulphhydryl compounds, nitric oxide and anti-helicobacter pylori activity

Version: 5 Date: 26 March 2013

Reviewer: Mohamed Morsy

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Minor Essential Revisions

1- Figures 5 and 6 should be rechecked as it appears that they are reversed.

2- In Figure 8 the highest % inhibition for COX-2 is shown with control not DES as mentioned in the results. Also, it is written that indomethacin was used as a standard however, it is not shown in the figure.

3- In Tables 1 and 2 it is written "# indicate p < 0.05 statistical comparison between DES groups". This is confusing as the significant mark should be compared to "group" not "groups".

4- In "title" "Mitrella Kentii" should be "Mitrella kentii" and "anti-helicobacter pylori" should be "anti-Helicobacter pylori".

5- In "Abstract" "M. kentia", "GSH", "MDA", "NO", "HSP-70" should be written for first time with their full names followed by abbreviations then use only abbreviations. The same is true in "Background" for "M. kentia"; in "Methods" for "M. kentia", "desmosdumotin C", "HSP-70", "malondialdehyde", "Helicobacter pylori"; in "Results" for "AST and ALT"; in "Discussion" for "Non-protein sulphhydryls".

6- In "Methods" "2.5:1-5 erosions > 55mm in length" should be "2.5:1-5 erosions > 5mm in length"; "5,5-dithiobis-2-nitrobenzoic acid" should be "5,5-ditiobis-2-nitrobenzoic acid"; "26 Mm thiobarbituric acid" should be "26 mM thiobarbituric acid"; [27].in brief should be "[27]. In brief"; "Helicobacter pylori strains, J99 (ATCC 700824) was" should be "Helicobacter pylori strain, J99 (ATCC 700824) was"; "The Statistical differences" should be "The statistical differences". In "Results" "no bnormal" should be "no abnormal"; "didn't showed" should be "didn't show"; "macroscopic observation" should be "Macroscopic observation"; "scale .only" should be "scale. Only"; "TBRAS assay" should be "TBARS assay". In "Discussion" "through by diminishing" should be "by diminishing".

7- In "background" "free radical oxygen species (ROS)" however in "discussion" "Reactive oxygen species (ROS)". Please, consider consistency.
8- In Figures' legends "5, 10, 20 mg/kg (E, D, F)" should be "5, 10, 20 mg/kg (D, E, F)"

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

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests