

Accepted Manuscript

Title: Protective effects of polysaccharide from *Dendrobium nobile* against ethanol-induced gastric damage in rats

Authors: Yi Zhang, Hongxin Wang, Nana Mei, Chaoyang Ma, Zaixiang Lou, Wenping Lv, GuoHua He



PII: S0141-8130(17)33326-3
DOI: <http://dx.doi.org/10.1016/j.ijbiomac.2017.08.175>
Reference: BIOMAC 8168

To appear in: *International Journal of Biological Macromolecules*

Received date: 19-2-2017
Revised date: 12-7-2017
Accepted date: 30-8-2017

Please cite this article as: Yi Zhang, Hongxin Wang, Nana Mei, Chaoyang Ma, Zaixiang Lou, Wenping Lv, GuoHua He, Protective effects of polysaccharide from *Dendrobium nobile* against ethanol-induced gastric damage in rats, *International Journal of Biological Macromolecules* <http://dx.doi.org/10.1016/j.ijbiomac.2017.08.175>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Protective effects of polysaccharide from *Dendrobium nobile* against ethanol-induced gastric damage in rats

Yi Zhang^{a,b}, Hongxin Wang^{*a,b}, Nana Mei^{a,b}, Chaoyang Ma^{a,b}, Zaixiang Lou^{a,b},
Wenping Lv^{a,b}, GuoHua He^c

^aState Key Laboratory of Food Science and Technology, School of Food Science and Technology, Jiangnan University, Wuxi 214122, P.R.China

^bNational Engineering Research Center for Functional Food, Jiangnan University, Wuxi 214122, P.R. China

^cGuoLi Dendrobium nobile Company Limited, ChiShui 564700, PR China

* Corresponding author. Tel.: + 86 510 85917795; Fax: + 86 510 85876799.

E-mail address: 957301442@qq.com

Highlights

- The ulcer lesions and histological changes were investigated to evaluate the effect of JCP on ethanol-induced gastric damage in rats.
- Compared the effect between JCP and omeprazole in protecting against ethanol-induced gastric injury.
- Biochemicals (SOD, MDA, EGF, and PGE 2) were evaluated on the protective effect of ethanol-induced gastric ulcer.
- Mechanisms (MAPKs & MMPs) employing on ethanol-induced gastric damage of rat model were analyzed.
- H-JCP had significant protective effects against ethanol-induced gastric damage in rats.

Download English Version:

<https://daneshyari.com/en/article/8328843>

Download Persian Version:

<https://daneshyari.com/article/8328843>

[Daneshyari.com](https://daneshyari.com)