

## Accepted Manuscript

Metabonomic profiling in study hepatoprotective effect of polysaccharides from *Flammulina velutipes* on carbon tetrachloride-induced acute liver injury rats using GC–MS

Yan Zhang, Haitao Li, Tao Hu, Hui Li, Gang Jin, Yang Zhang



PII: S0141-8130(17)33884-9

DOI: <https://doi.org/10.1016/j.ijbiomac.2017.12.149>

Reference: BIOMAC 8811

To appear in:

Received date: 7 October 2017

Revised date: 22 November 2017

Accepted date: 27 December 2017

Please cite this article as: Yan Zhang, Haitao Li, Tao Hu, Hui Li, Gang Jin, Yang Zhang , Metabonomic profiling in study hepatoprotective effect of polysaccharides from *Flammulina velutipes* on carbon tetrachloride-induced acute liver injury rats using GC–MS. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Biomac(2017), <https://doi.org/10.1016/j.ijbiomac.2017.12.149>

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.

Metabonomic profiling in study hepatoprotective effect of polysaccharides from *Flammulina Velutipes* on carbon tetrachloride-induced acute liver injury rats using GC-MS

Yan Zhang<sup>a,\*</sup>, Haitao Li<sup>b</sup>, Tao Hu<sup>c</sup>, Hui Li<sup>d</sup>, Gang Jin<sup>a</sup>, Yang Zhang<sup>a</sup>

a School of Chemical and Pharmaceutical Engineering, Jilin Institute of Chemical Technology, Jilin 132022, PR China.

b Department of Pharmacy, The Affiliated Hospital to Changchun University of Chinese Medicine, Changchun 130021, PR China.

c Endocrinology Department, General Hospital of CNPC in Jilin, Jilin 132021, PR China.

d Graduate school, Jilin Institute of Chemical Technology, Jilin 132022, PR China.

\*Corresponding Tel: +86 432 62185226; Fax: +86 432 62185226.

E-mail addresses: zyzxorange@126.com (Y. Zhang).

Download English Version:

<https://daneshyari.com/en/article/8327956>

Download Persian Version:

<https://daneshyari.com/article/8327956>

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