

Accepted Manuscript

Title: LC/MS-based metabolomics strategy to assess the amelioration effects of ginseng total saponins on memory deficiency induced by simulated microgravity

Author: Li Feng Xiao-fei Yue Yi-xi Chen Xin-min Liu Li-sha Wang Fang-rui Cao Qiong Wang Yong-hong Liao Rui-le Pan Qi Chang



PII: S0731-7085(16)30188-1
DOI: <http://dx.doi.org/doi:10.1016/j.jpba.2016.04.002>
Reference: PBA 10603

To appear in: *Journal of Pharmaceutical and Biomedical Analysis*

Received date: 19-2-2016
Revised date: 30-3-2016
Accepted date: 1-4-2016

Please cite this article as: Li Feng, Xiao-fei Yue, Yi-xi Chen, Xin-min Liu, Li-sha Wang, Fang-rui Cao, Qiong Wang, Yong-hong Liao, Rui-le Pan, Qi Chang, LC/MS-based metabolomics strategy to assess the amelioration effects of ginseng total saponins on memory deficiency induced by simulated microgravity, *Journal of Pharmaceutical and Biomedical Analysis* <http://dx.doi.org/10.1016/j.jpba.2016.04.002>

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.

LC/MS-based metabolomics strategy to assess the amelioration effects of ginseng total saponins on memory deficiency induced by simulated microgravity

Li Feng^a, Xiao-fei Yue^b, Yi-xi Chen^c, Xin-min Liu^{a*}, Li-sha Wang^a, Fang-rui Cao^a, Qiong Wang^c, Yong-hong Liao^a, Rui-le Pan^a, Qi Chang^{a*}

^aInstitute of Medicinal Plant Development, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing 100193, P. R. of China;

^bInstitute of Materia Medica, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing 100050, P. R. of China;

^cSichuan Medical University, Luzhou 646000, P. R. of China.

*Corresponding authors

Prof. Qi Chang, e-mail: qchang@implad.ac.cn; Tel: (+86) 10-57833224;

Prof. Xin-Min Liu, e-mail: liuxinmin@hotmail.com; Tel: (+86) 10-57833245

Download English Version:

<https://daneshyari.com/en/article/7629120>

Download Persian Version:

<https://daneshyari.com/article/7629120>

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