

## Accepted Manuscript

Title: Study on the discrimination between *Corydalis Rhizoma* and its adulterants based on HPLC-DAD-Q-TOF-MS associated with chemometric analysis

Authors: Xiaojiao Zheng, Wenlin Zheng, Jingjing Zhou, Xue Gao, Zhihui Liu, Na Han, Jun Yin



PII: S1570-0232(17)30933-9  
DOI: <https://doi.org/10.1016/j.jchromb.2017.10.028>  
Reference: CHROMB 20858

To appear in: *Journal of Chromatography B*

Received date: 22-5-2017  
Revised date: 9-10-2017  
Accepted date: 14-10-2017

Please cite this article as: Xiaojiao Zheng, Wenlin Zheng, Jingjing Zhou, Xue Gao, Zhihui Liu, Na Han, Jun Yin, Study on the discrimination between *Corydalis Rhizoma* and its adulterants based on HPLC-DAD-Q-TOF-MS associated with chemometric analysis, *Journal of Chromatography B* <https://doi.org/10.1016/j.jchromb.2017.10.028>

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.

# Study on the discrimination between *Corydalis Rhizoma* and its adulterants based on HPLC-DAD-Q-TOF-MS associated with chemometric analysis

Xiaojiao Zheng<sup>1,2</sup>, Wenlin Zheng<sup>1,2</sup>, Jingjing Zhou<sup>1,2</sup>, Xue Gao<sup>1,2</sup>, Zhihui Liu<sup>1,2</sup>, Na Han<sup>1,2\*</sup>, Jun Yin<sup>1,2\*</sup>

<sup>1</sup>School of Traditional Chinese Materia Medica, Shenyang Pharmaceutical University, Shenyang, 110016, China.

<sup>2</sup>Development and Utilization Key Laboratory of Northeast Plant Materials, Key laboratory of Northeast Authentic Materials Research and Development in Liaoning Province, School of Traditional Chinese Materia Medica, Shenyang Pharmaceutical University, Shenyang, China.

\* Corresponding author: Associate Prof. Na Han

School of Traditional Chinese MateriaMedica 48#, Shenyang Pharmaceutical University, 103 Wenhua Road, Shenhe District, Shenyang 110016, China

Tel./fax: 86-24-23986491

*E-mail address:* [hanna82@163.com](mailto:hanna82@163.com)

\* Corresponding author: Prof. Jun Yin

School of Traditional Chinese MateriaMedica 48#, Shenyang Pharmaceutical University, 103 Wenhua Road, Shenhe District, Shenyang 110016, China

Tel./fax: 86-24-23986491

*E-mail address:* [yinjun2002@yahoo.com](mailto:yinjun2002@yahoo.com)

## Abstract

*Corydalis Rhizoma* (Yanhusuo), is a crucial antianalgesic Traditional Chinese Medicine in clinic. Its adulterants (Northeast Yanhusuo), which are also from *Corydalis* and distributed in Northeast area of China, are used instead of *Corydalis Rhizoma* in the local places with a long history. In this paper, we compared the chemical differences of *Corydalis Rhizoma* and its seven adulterants by HPLC-DAD-Q-TOF-MS associated with chemometric analysis. 48

Download English Version:

<https://daneshyari.com/en/article/7614957>

Download Persian Version:

<https://daneshyari.com/article/7614957>

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