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Authors: Wenjing Liu, Qingqing Song, Yu Yan, Yao Liu, Peng Li, Yitao Wang, Pengfei Tu, Yuelin Song, Jun Li



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Integrated approach for confidence-enhanced quantitative analysis of herbal medicines, *Cistanche salsa* as a case

Wenjing Liu^a, Qingqing Song^a, Yu Yan^{a,b}, Yao Liu^a, Peng Li^c, Yitao Wang^c, Pengfei Tu^a, Yuelin Song^{a,*}, Jun Li^{a,*}

^aModern Research Center for Traditional Chinese Medicine, School of Chinese Materia Medica, Beijing University of Chinese Medicine, Beijing 100029, China;

^bInstitute of Chinese Minority Traditional Medicine, Minzu University of China, Beijing 100081, China;

^cState Key Laboratory of Quality Research in Chinese Medicine, Institute of Chinese Medical Sciences, University of Macau, Taipa 999078, Macao.

*Corresponding authors at Modern Research Center for Traditional Chinese Medicine, School of Chinese Materia Medica, Beijing University of Chinese Medicine, Beijing 100029, China.

E-mail address: drlj666@163.com (J. Li); syltwc2005@163.com (Y. Song).

Highlights

- Online extraction–reversed phase liquid chromatography–hydrophilic interaction liquid chromatography–tailored multiple reaction monitoring was configured as a “three in one” platform.
- Relative response vs. collision energy curve matching was employed to enhance identity confidence.
- 21 analytes with large polarity and content spans were determined in *Cistanche salsa*.
- Combining the platform with relative response vs. collision energy curve matching was qualified for HM quality control.
- *E/Z*-configuration transferring of phenylethanoid glycosides was prevented by online extraction.

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