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Title: Concurrent quantification and comparative pharmacokinetic analysis of bioactive compounds in the Herba Ephedrae-Semen Armeniacae Amarum herb pair

Author: Shuai Song Feilong Chen Xuefeng Xing Mengyue Ren Qin Hai Ma Ying Xie Qingfa Tang Jiabo Luo



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2 **Concurrent quantification and comparative pharmacokinetic analysis of bioactive**  
3 **compounds in the Herba Ephedrae-Semen Armeniaca Amarum herb pair**

4 Shuai Song<sup>a,b,1</sup>, Feilong Chen<sup>a,b</sup>, Xuefeng Xing<sup>a,b,1</sup>, Mengyue Ren<sup>a</sup>, Qin Hai Ma<sup>a</sup>, Ying Xie<sup>c</sup>, Qingfa Tang<sup>a,b,\*</sup>,  
5 Jiabo Luo<sup>a,b,\*</sup>

6 <sup>a</sup>*School of Traditional Chinese Medicine, Southern Medical University, Guangzhou 510515, PR China*

7 <sup>b</sup>*Guangdong Provincial Key Laboratory of Chinese Medicine Pharmaceutics, Southern Medical University,*  
8 *Guangzhou, 510515, PR China*

9 <sup>c</sup>*Department of Pharmacy, People's Hospital of Xishuangbanna Prefecture, Jinghong 666100, PR China*

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11 \*Corresponding author at: School of Traditional Chinese Medicine, Southern Medical University, 1838 North

12 Guangzhou Avenue, Guangzhou 510515, PR China. Tel.: +86 20 61648266; fax: +86 20 61648266.

13 *E-mail addresses:* [lib@smu.edu.cn](mailto:lib@smu.edu.cn) (J.-b. Luo), [tangqf96@163.com](mailto:tangqf96@163.com) (Q.-f. Tang)

14 <sup>1</sup>These authors contributed equally to this work.

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16 **Highlights**

17 A Simple LC–MS/MS method was developed and validated for bioanalysis of the  
18 compounds.

19 Pharmacokinetics study of amygdalin and its epimers were reported here for the first time.

20 Stereo-selective metabolism of amygdalin occurred in *vivo*.

21 The study illustrated the rationale behind the preferred use of the combination of *MX* .

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*MX: Mahuang–Xingren herb-pair*

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