## **Supporting Information**

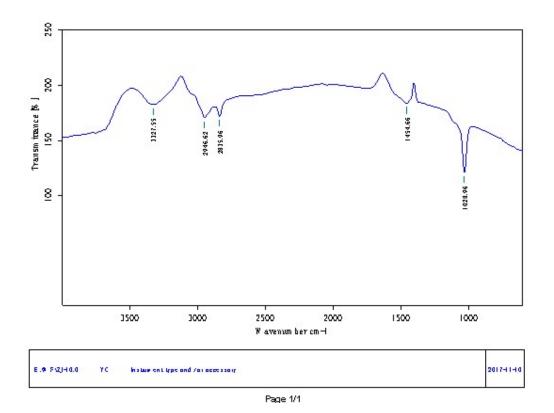
Rec. Nat. Prod. 13:2 (2019) 114-120

## Diterpenoid Alkaloids from the Roots of *Aconitum* sinomontanum and Their Evaluation of Immunotoxicity

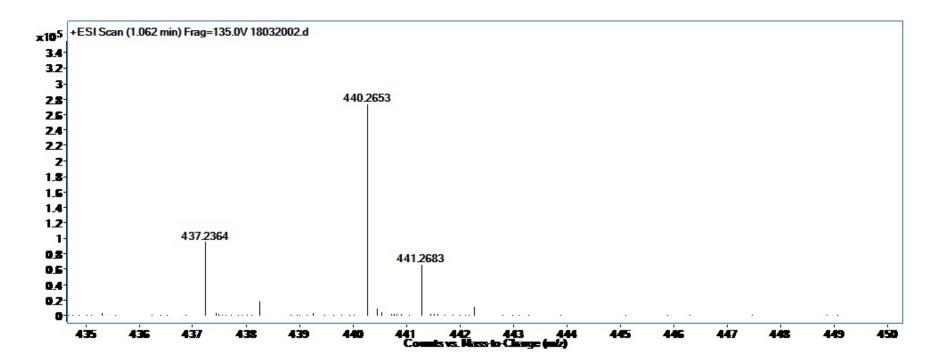
## Jiao Zhang <sup>1</sup>, Yuze Li<sup>2</sup>, Yuwen Cui<sup>3</sup>, Pu Jia<sup>2</sup>, Zhenggang Yue<sup>4</sup>, Bei Song<sup>5\*</sup> and Xiaomei Song<sup>1\*</sup>

<sup>1</sup>School of Pharmacy, Shaanxi University of Chinese Medicine, Xianyang 712046, China
<sup>2</sup>The College of Life Sciences, Northwest University, Xi'an 710069, China
<sup>3</sup>Department of Pharmacy, Xi'an Medical University, Xi'an 710021, China
<sup>4</sup>Shaanxi Collaborative Innovation Center of Chinese Medicinal Resource Industrialization,
 Shaanxi University of Chinese Medicine, Xianyang 712046, China
<sup>5</sup>The Second Affiliated Hospital of Shaanxi University of Chinese Medicine, Xianyang 712046,
 China

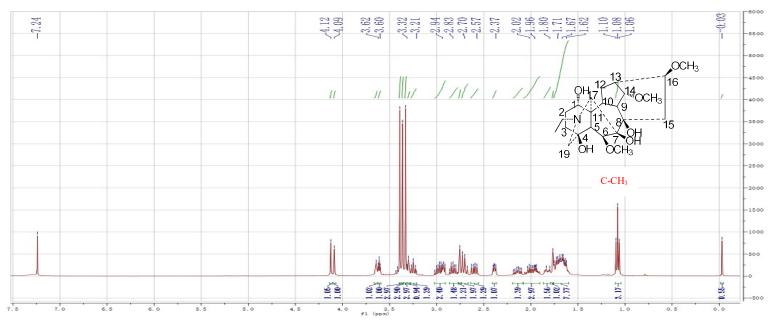
Table of Contents	Page
S1: IR spectrum of Compound 1(Sinomontanum I)(in KBr)	2
S2: HR-ESI-MS Spectrum of Compound 1(in MeOH)	3
S3: <sup>1</sup> H-NMR (400 MHz, CDCl <sub>3</sub> ) Spectrum of Compound 1	4
S4: Expansion of the <sup>1</sup> H-NMR Spectrum of Compound 1	5
S5: Expansion of the <sup>1</sup> H-NMR Spectrum of Compound 1	6
S6: <sup>13</sup> C-NMR (100 MHz, CDCl <sub>3</sub> ) Spectrum of Compound 1	7
S7: <sup>1</sup> H- <sup>1</sup> H COSY spectrum of Compound 1 (in CDCl <sub>3</sub> )	8
S8: NOESY spectrum of Compound 1 (in CDCl <sub>3</sub> )	9
S9: HSQC Spectrum of Compound 1 (in CDCl <sub>3</sub> )	10
<b>S10:</b> Expansion of the HSQC Spectrum of Compound <b>1</b> (in CDCl <sub>3</sub> )	11
<b>S11:</b> Expansion of the HSQC Spectrum of Compound <b>1</b> (in CDCl <sub>3</sub> )	12
S12: HMBC Spectrum of Compound 1(in CDCl <sub>3</sub> )	13



S1: IR spectrum of Compound 1 (in KBr)

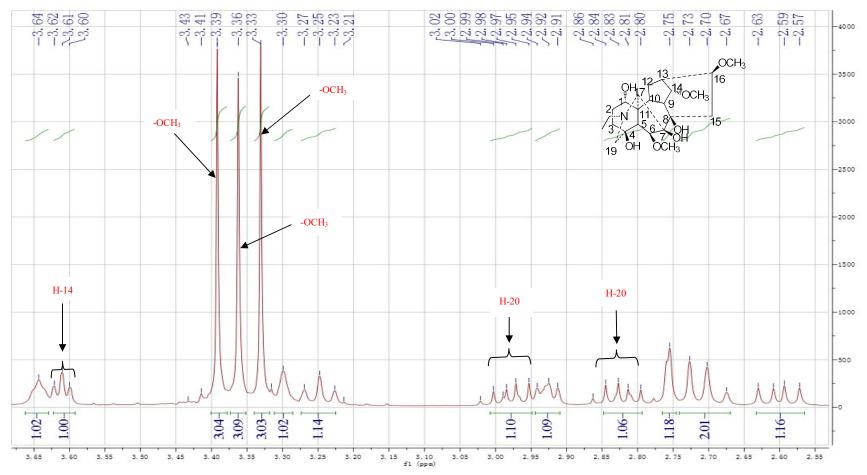


**S2:** HR-ESI-MS Spectrum of Compound **1**(in MeOH)

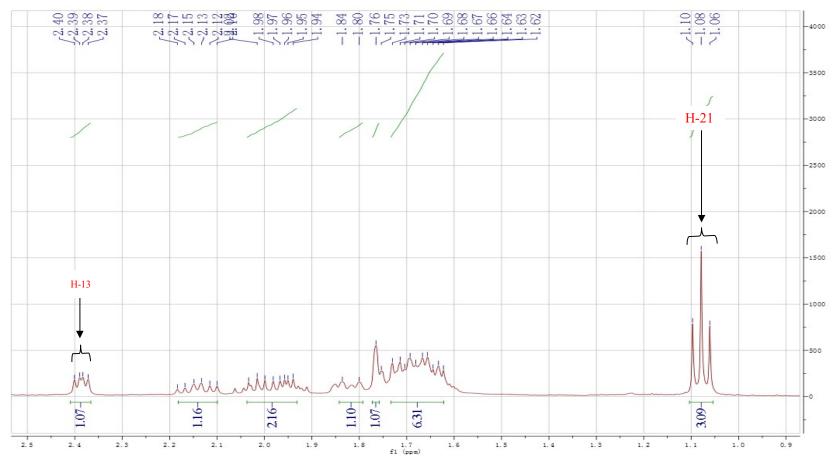


S3: <sup>1</sup>H-NMR (400 MHz, CDCl<sub>3</sub>) Spectrum of Compound 1

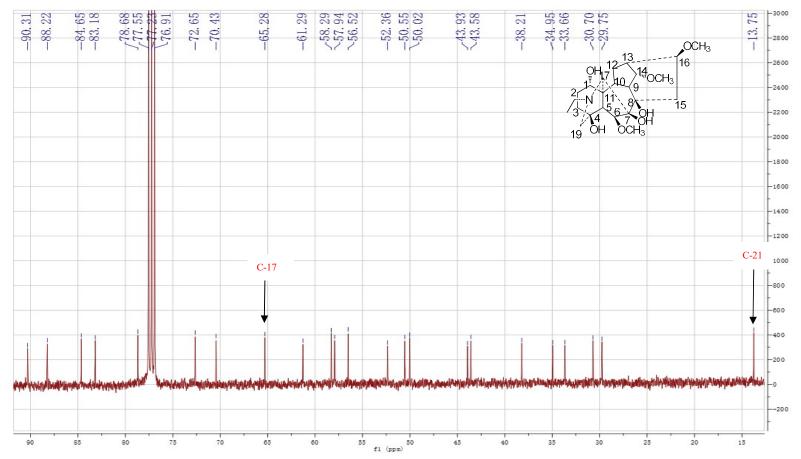
sinomontanum I(1): White amorphous powder.  $^{1}$ H-NMR (400 MHz, CDCl<sub>3</sub>),  $\delta$ : 1.08(3H,t,), 2.81(1H,m,H-20), 2.97(1H,m,H-20), 3.33(3H,s,-OCH<sub>3</sub>), 3.36(3H,s,-OCH<sub>3</sub>), 3.39(3H,s,-OCH<sub>3</sub>).  $^{13}$ C-NMR (100 MHz, CDCl<sub>3</sub>),  $\delta$ : 50.6(C-20), 13.8(C-21), 65.3(C-17), 56.5(-OCH<sub>3</sub>), 57.9(-OCH<sub>3</sub>), 58.3(-OCH<sub>3</sub>). HR-ESI-MS: m/z 440.2653 [M + H] $^{+}$ (calcd. for C<sub>23</sub>H<sub>38</sub>NO<sub>7</sub>, 440.2648).



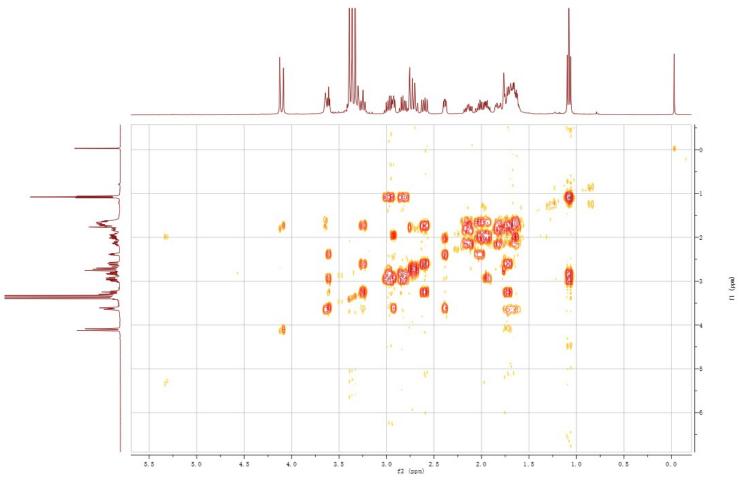
**S4:** Expansion of the <sup>1</sup>H-NMR Spectrum of Compound **1** (From 2.57 to 3.64ppm)



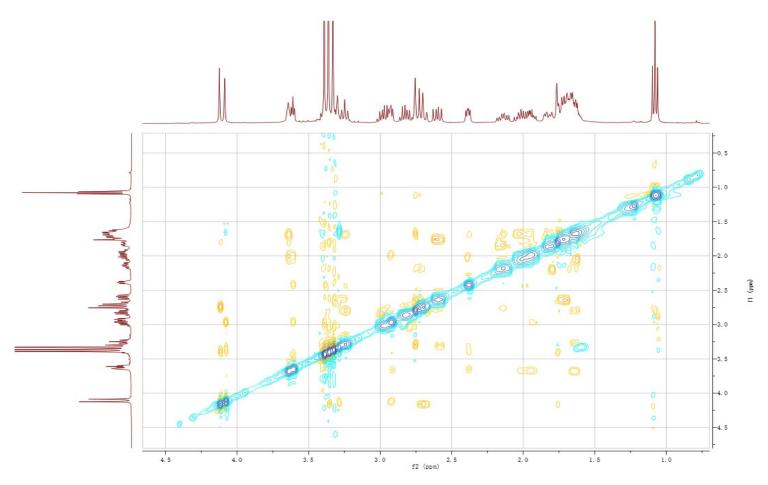
**S5:** Expansion of the <sup>1</sup>H-NMR Spectrum of Compound **1** (From 1.00 to 2.40 ppm)



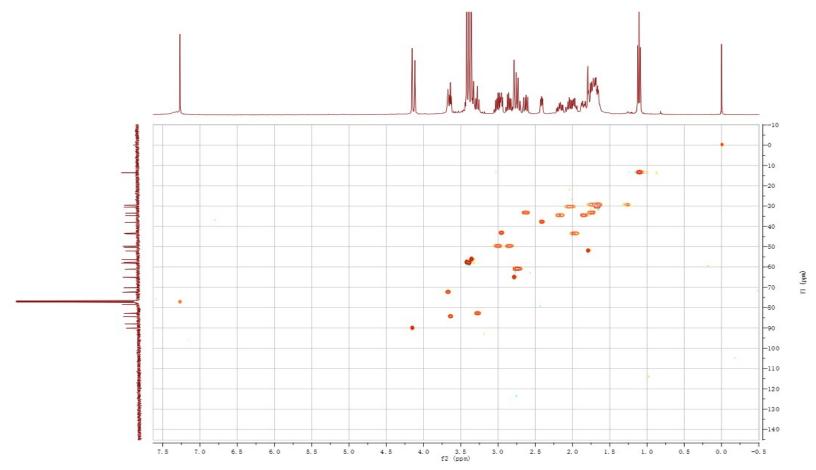
S6: <sup>13</sup>C-NMR (100 MHz, CDCl<sub>3</sub>) Spectrum of Compound 1



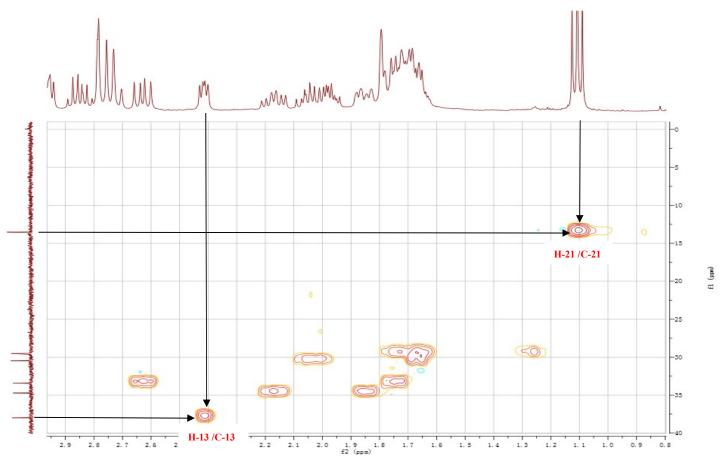
**S7:** <sup>1</sup>H-<sup>1</sup>H COSY spectrum of Compound **1** 



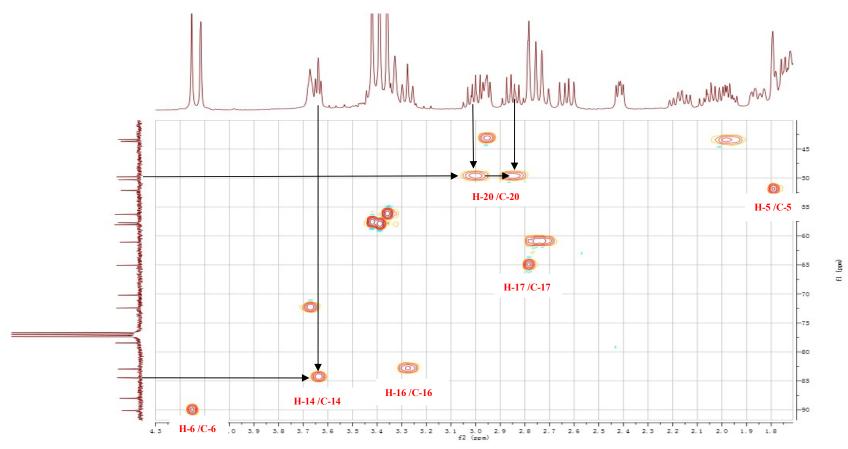
**S8:** NOESY spectrum of Compound 1 (in CDCl<sub>3</sub>)



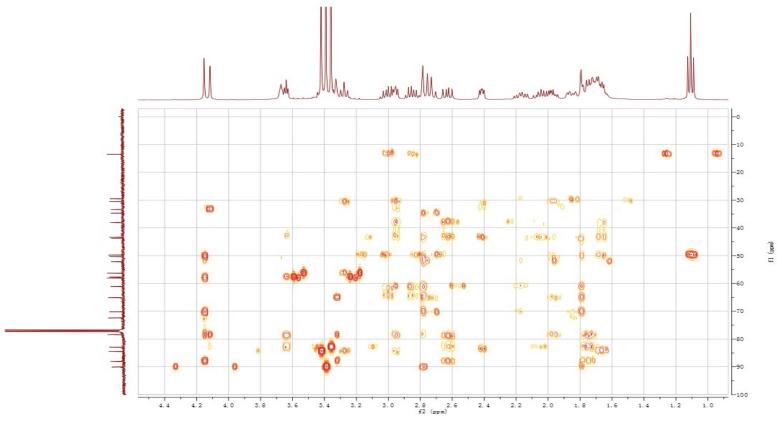
**S9:** HSQC (400 MHz) Spectrum of Compound **1** 



**S10:** Expansion of the HSQC Spectrum of Compound **1**(From 10 to 40 ppm)



**S11:** Expansion of the HSQC Spectrum of Compound **1**(From 40 to 90 ppm)



S12: HMBC Spectrum of Compound 1(in CDCl<sub>3</sub>)