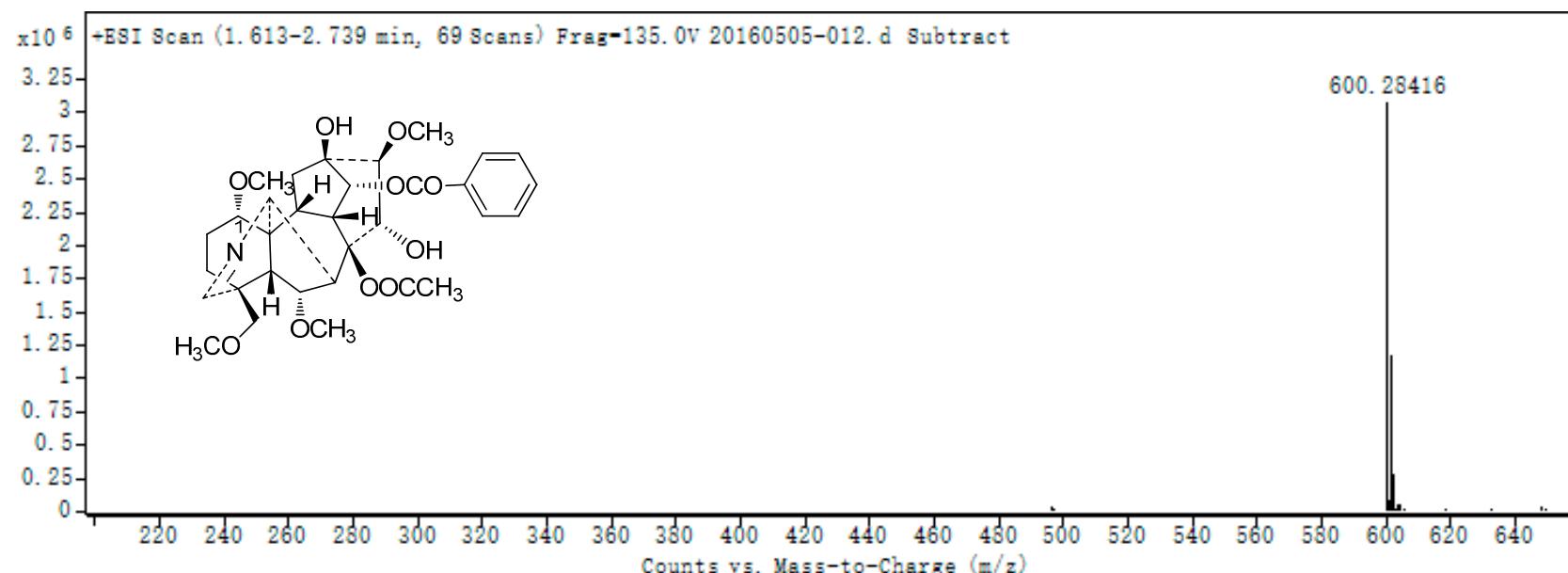


# Supplementary Materials: C19-Norditerpenoid Alkaloids from *Aconitum szechenyianum* and Their Effects on LPS-Activated NO Production

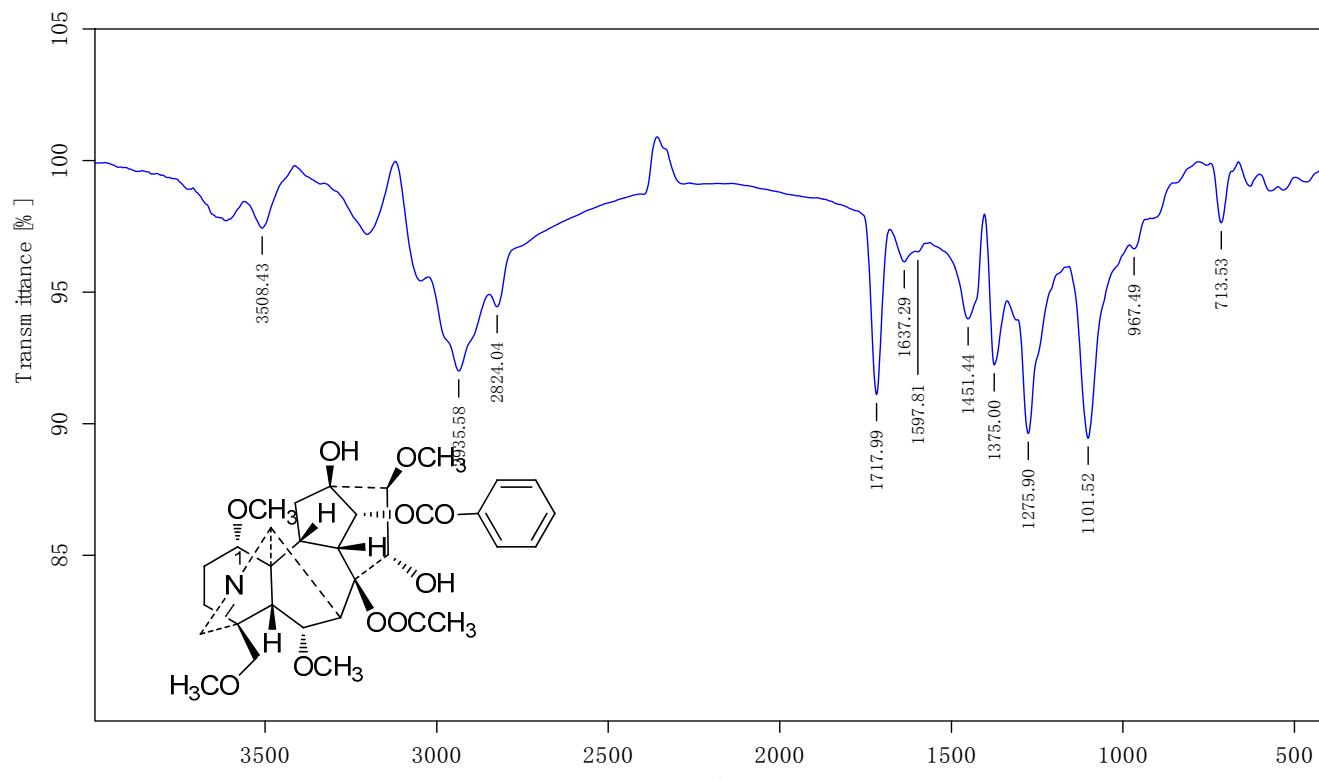
Fei Wang, Zhenggang Yue, Pei Xie, Li Zhang, Zhen Li, Bei Song, Zhishu Tang and Xiaomei Song

## List of Content

No.	Content	Page
1	<b>Figure S1.</b> The HR-ESI-MS spectrum of <b>1</b> (in MeOH).	S2
2	<b>Figure S2.</b> The IR spectrum of <b>1</b> (in KBr).	S3
3	<b>Figure S3.</b> The $^1\text{H}$ NMR spectrum of <b>1</b> (400MHz in $\text{CDCl}_3$ ).	S4
4	<b>Figure S4.</b> The $^{13}\text{C}$ NMR spectrum of <b>1</b> (100MHz in $\text{CDCl}_3$ ).	S5
5	<b>Figure S5.</b> The HSQC spectrum of <b>1</b> (400MHz in $\text{CDCl}_3$ ).	S6
6	<b>Figure S6.</b> The $^1\text{H}$ - $^1\text{H}$ COSY spectrum of <b>1</b> (400MHz in $\text{CDCl}_3$ ).	S7
7	<b>Figure S7.</b> The HMBC spectrum of <b>1</b> (400MHz in $\text{CDCl}_3$ ).	S8
8	<b>Figure S8.</b> The ROESY spectrum of <b>1</b> (400MHz in $\text{CDCl}_3$ ).	S9
9	<b>Figure S9.</b> The HR-ESI-MS spectrum of <b>2</b> (in MeOH).	S10
10	<b>Figure S10.</b> The IR spectrum of <b>2</b> (in KBr).	S11
11	<b>Figure S11.</b> The $^1\text{H}$ NMR spectrum of <b>2</b> (400MHz in $\text{CDCl}_3$ ).	S12
12	<b>Figure S12.</b> The $^{13}\text{C}$ NMR spectrum of <b>2</b> (100MHz in $\text{CDCl}_3$ ).	S13
13	<b>Figure S13.</b> The HSQC spectrum of <b>2</b> (400MHz in $\text{CDCl}_3$ ).	S14
14	<b>Figure S14.</b> The $^1\text{H}$ - $^1\text{H}$ COSY spectrum of <b>2</b> (400MHz in $\text{CDCl}_3$ ).	S15
15	<b>Figure S15.</b> The HMBC spectrum of <b>2</b> (400MHz in $\text{CDCl}_3$ ).	S16
16	<b>Figure S16.</b> The ROESY spectrum of <b>2</b> (400MHz in $\text{CDCl}_3$ ).	S17
17	<b>Figure S17.</b> The HR-ESI-MS spectrum of <b>3</b> (in MeOH).	S18
18	<b>Figure S18.</b> The IR spectrum of <b>3</b> (in KBr).	S19
19	<b>Figure S19.</b> The $^1\text{H}$ NMR spectrum of <b>3</b> (400MHz in $\text{CDCl}_3$ ).	S20
20	<b>Figure S20.</b> The $^{13}\text{C}$ NMR spectrum of <b>3</b> (100MHz in $\text{CDCl}_3$ ).	S21
21	<b>Figure S21.</b> The HSQC spectrum of <b>3</b> (400MHz in $\text{CDCl}_3$ ).	S22
22	<b>Figure S22.</b> The $^1\text{H}$ - $^1\text{H}$ COSY spectrum of <b>3</b> (400MHz in $\text{CDCl}_3$ ).	S23
23	<b>Figure S23.</b> The HMBC spectrum of <b>3</b> (400MHz in $\text{CDCl}_3$ ).	S24
24	<b>Figure S24.</b> The ROESY spectrum of <b>3</b> (400MHz in $\text{CDCl}_3$ ).	S25



**Figure S1.** The HR-ESI-MS spectrum of **1** (in MeOH).



E:\W F\w1.0

w1

Instrument type and/or accessory

2016-5-10

Page 1/1

**Figure S2.** The IR spectrum of **1** (in KBr).

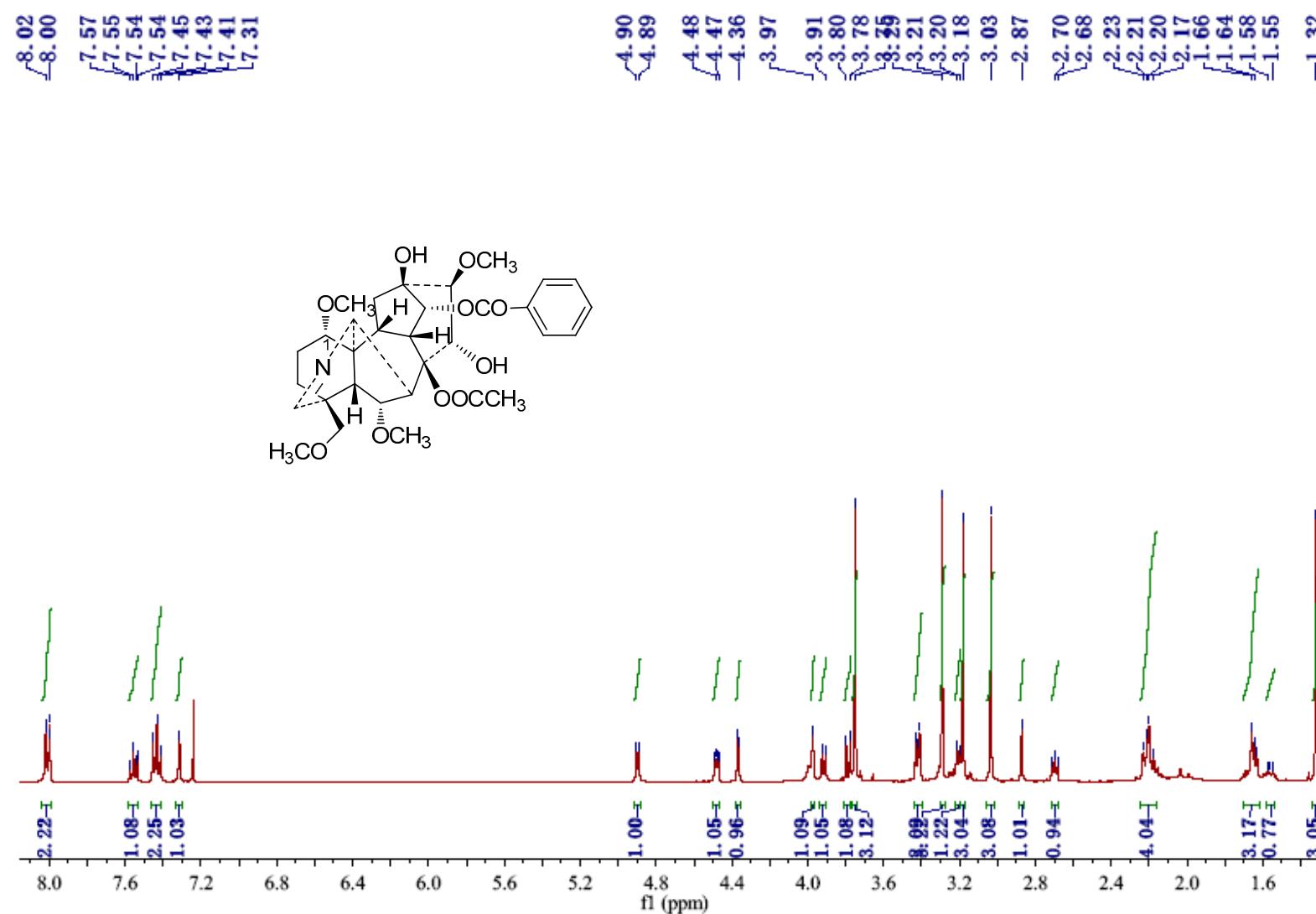


Figure S3. The <sup>1</sup>H-NMR spectrum of **1** (400MHz in CDCl<sub>3</sub>).

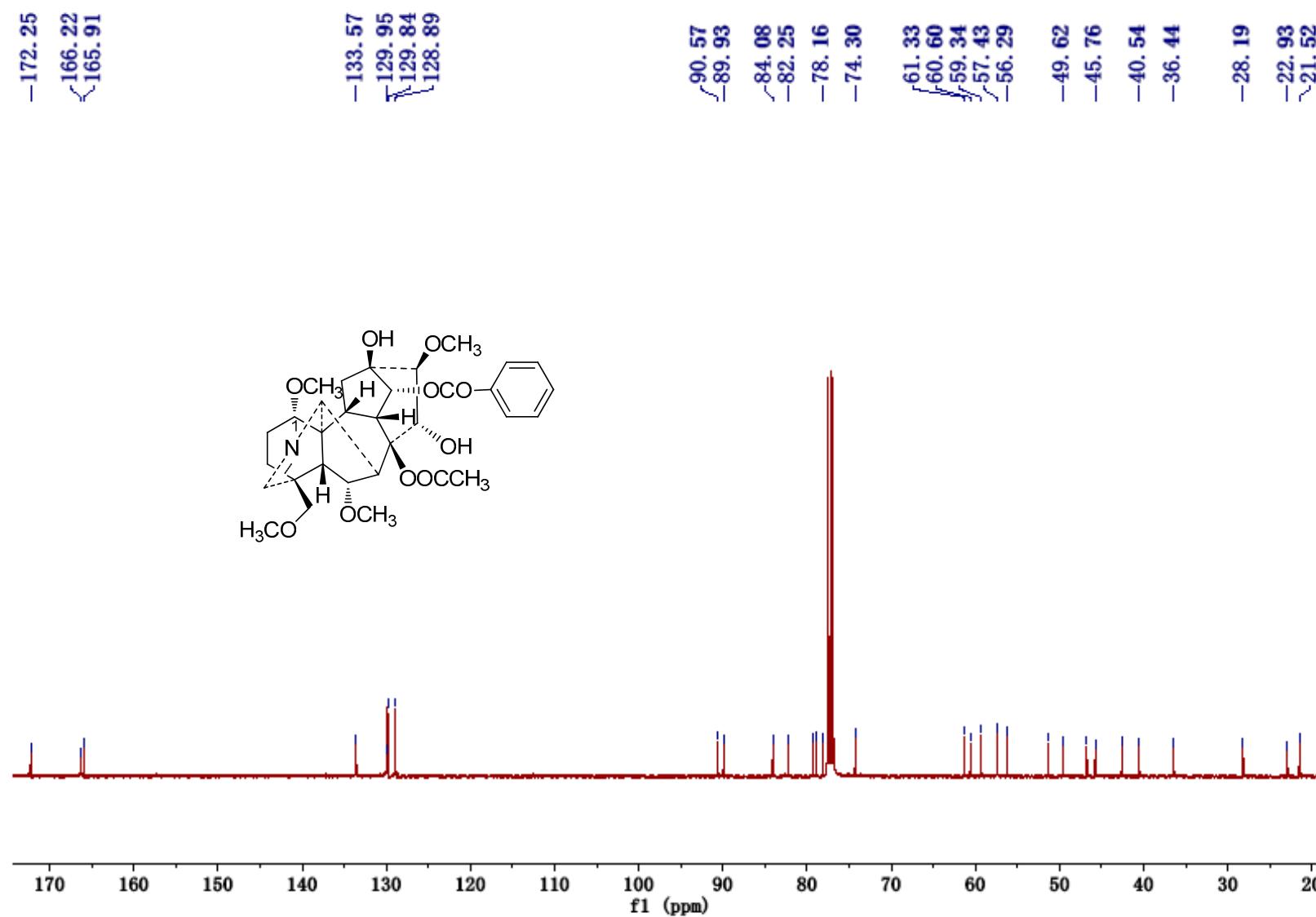


Figure S4. The  $^{13}\text{C}$ -NMR spectrum of **1** (100MHz in  $\text{CDCl}_3$ ).

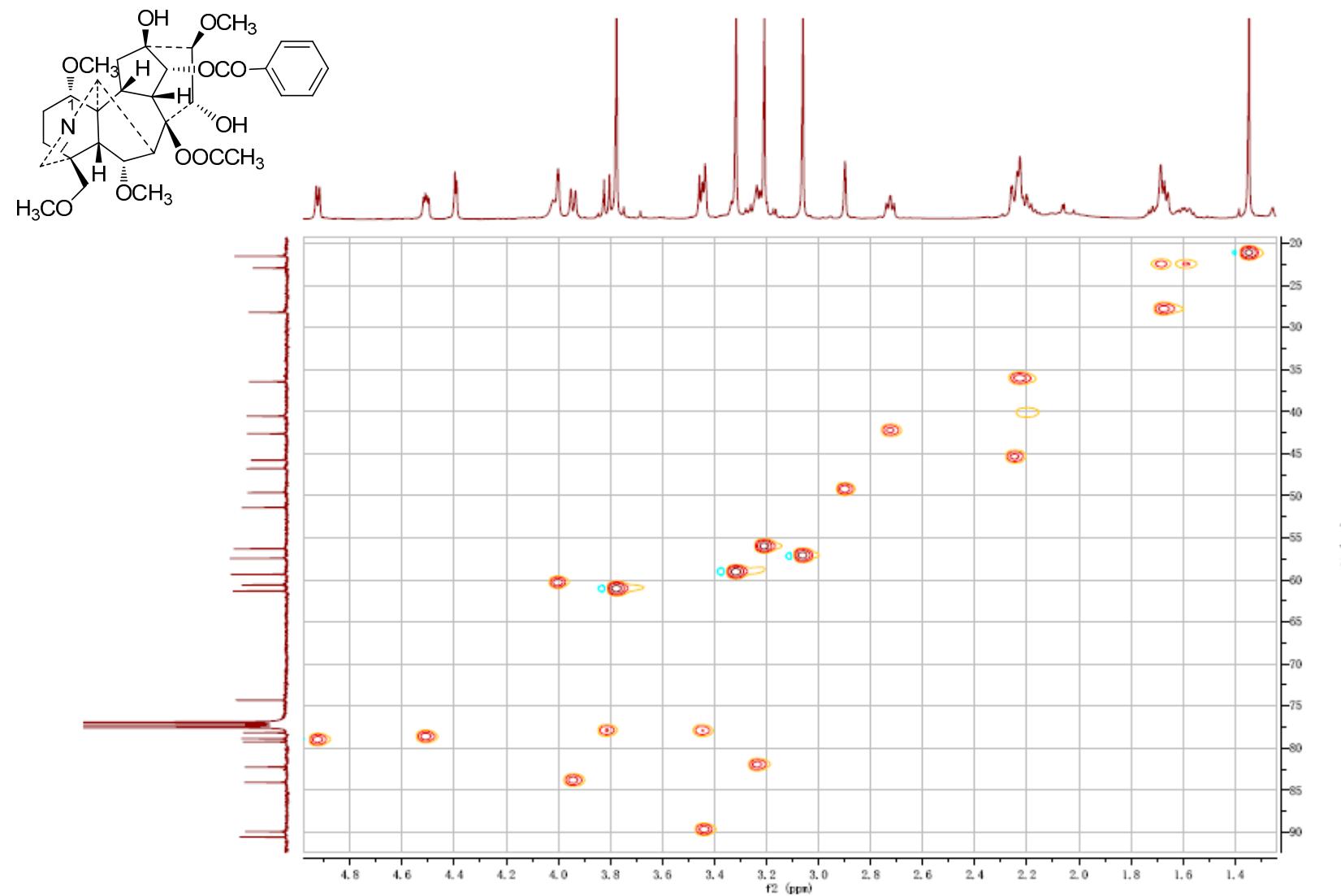


Figure S5. The HSQC spectrum of **1** (400MHz in  $\text{CDCl}_3$ ).

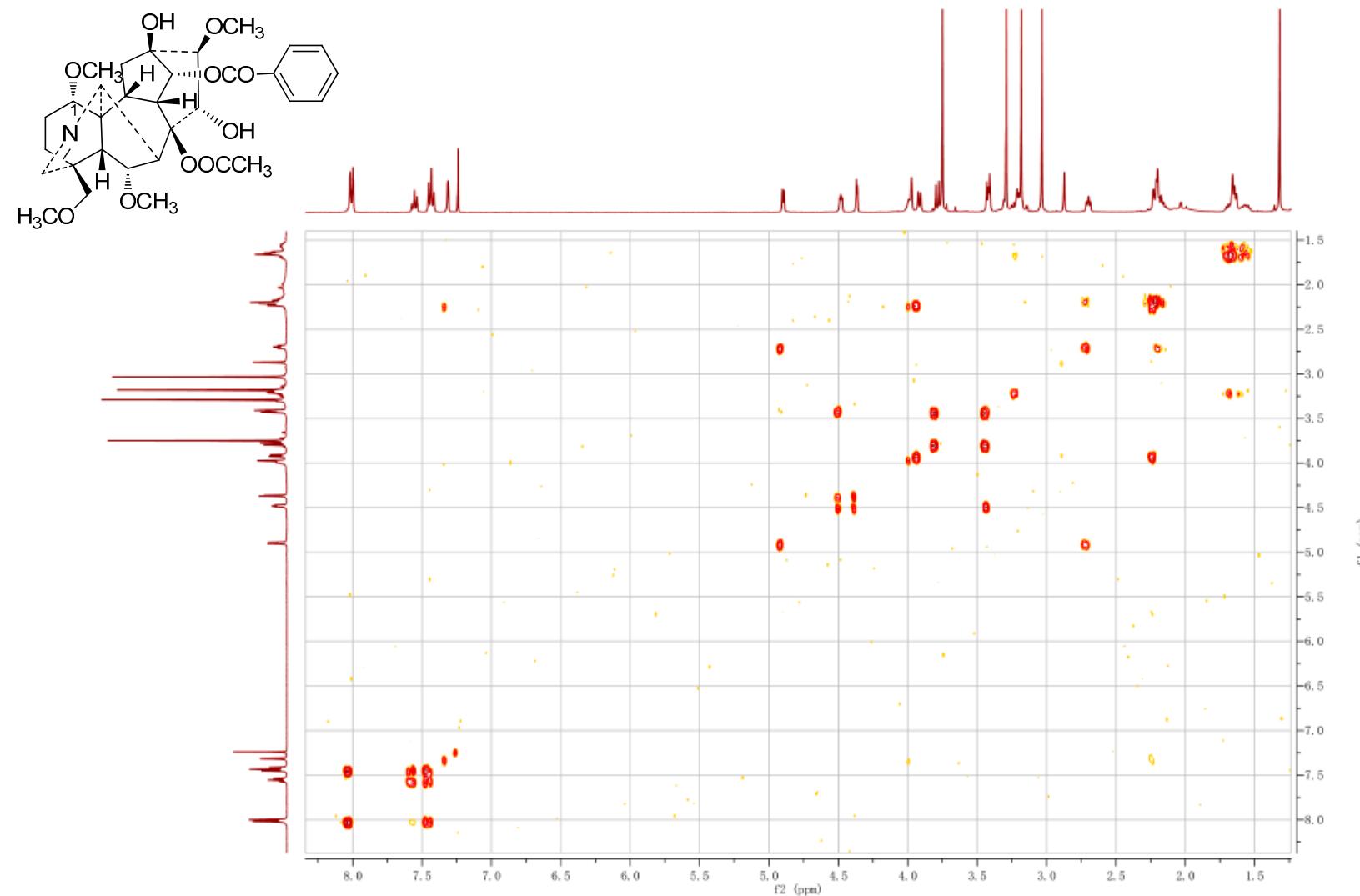
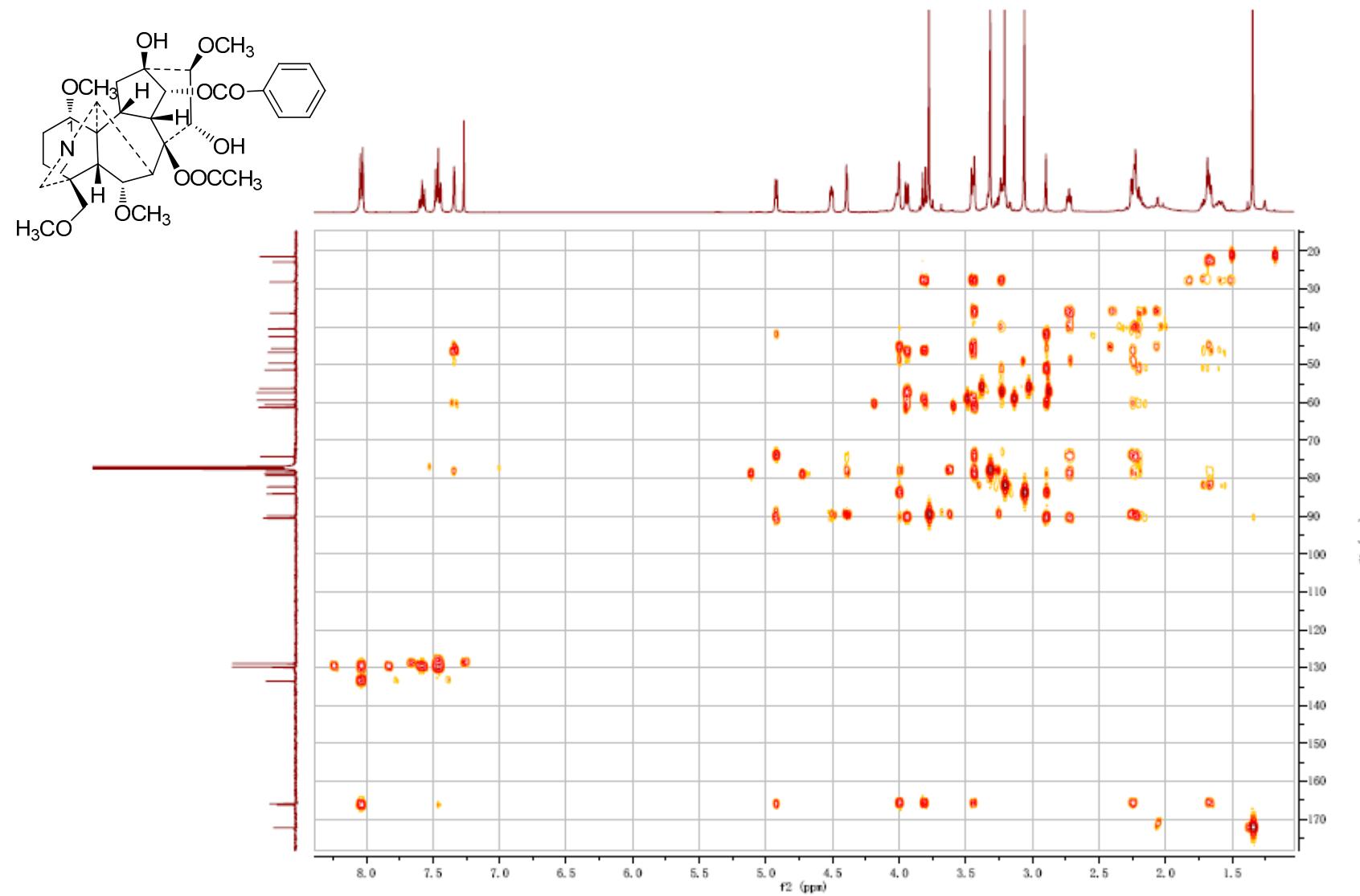
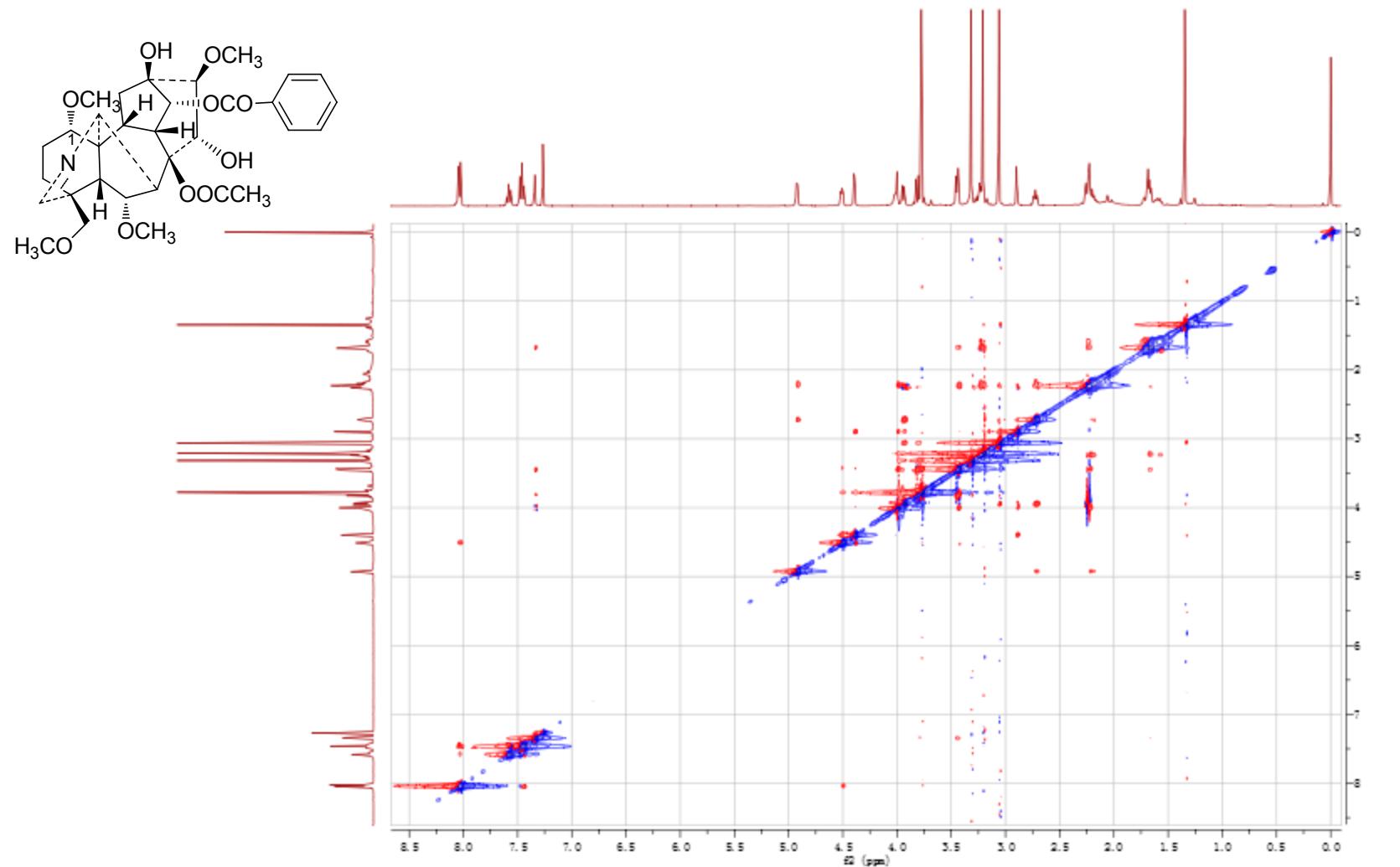


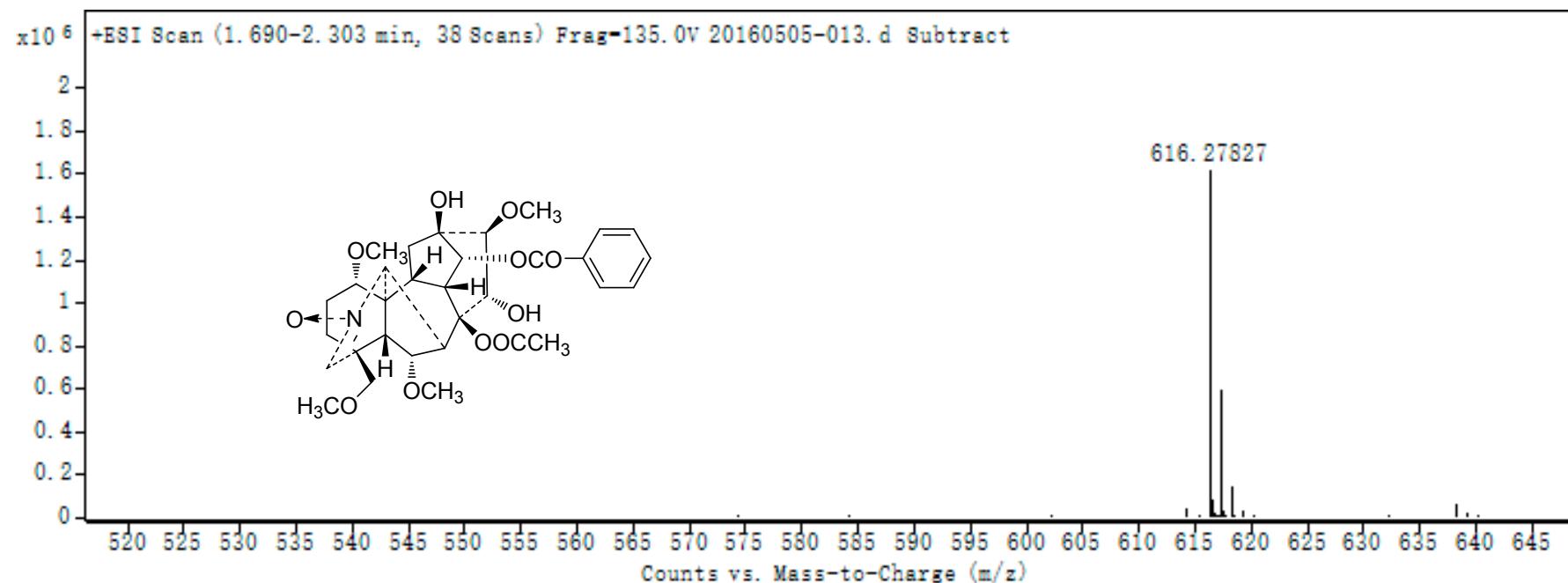
Figure S6. The <sup>1</sup>H-<sup>1</sup>H COSY spectrum of **1** (400MHz in CDCl<sub>3</sub>).



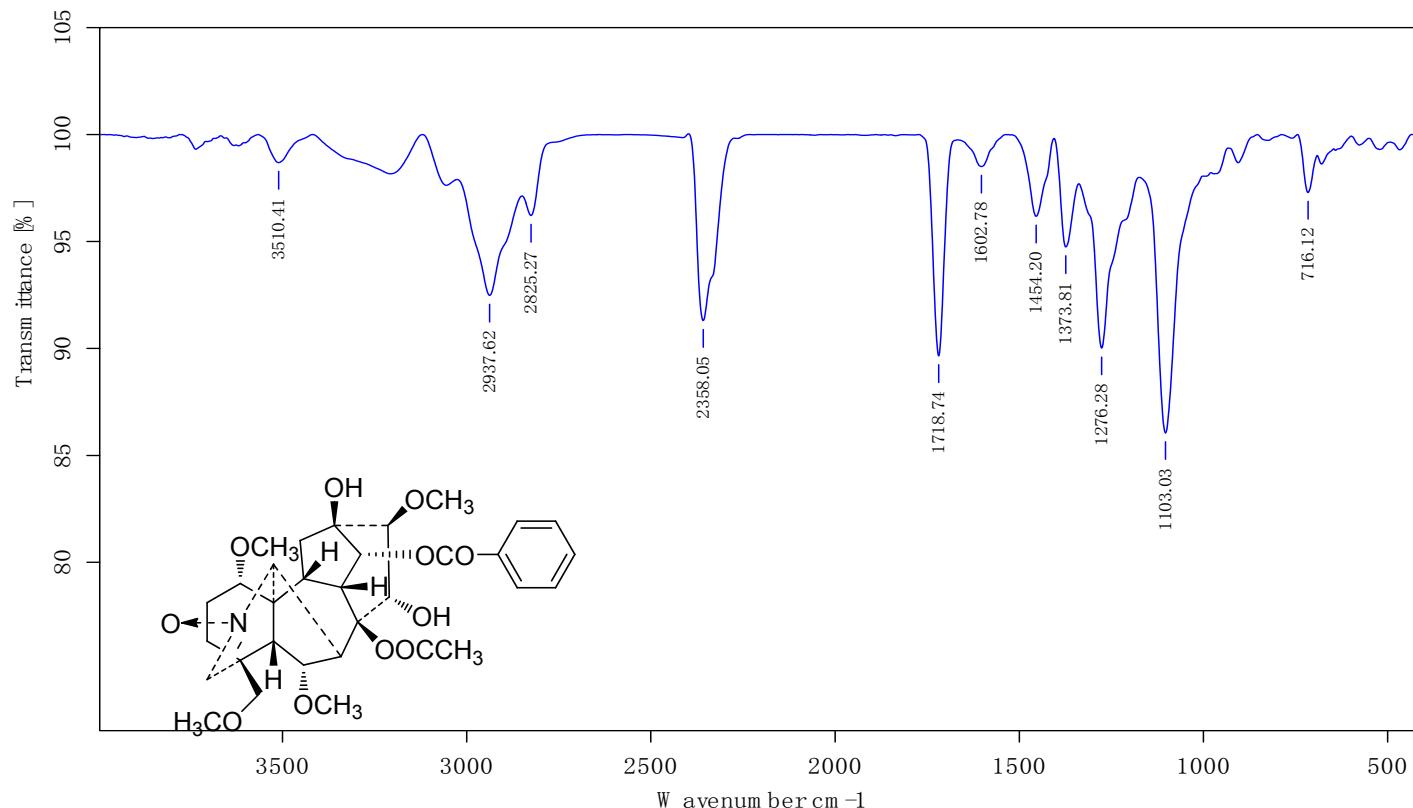
**Figure S7.** The HMBC spectrum of **1** (400MHz in CDCl<sub>3</sub>).



**Figure S8.** The ROESY spectrum of **1** (400MHz in  $\text{CDCl}_3$ ).



**Figure S9.** The HR-ESI-MS spectrum of 2 (in MeOH).

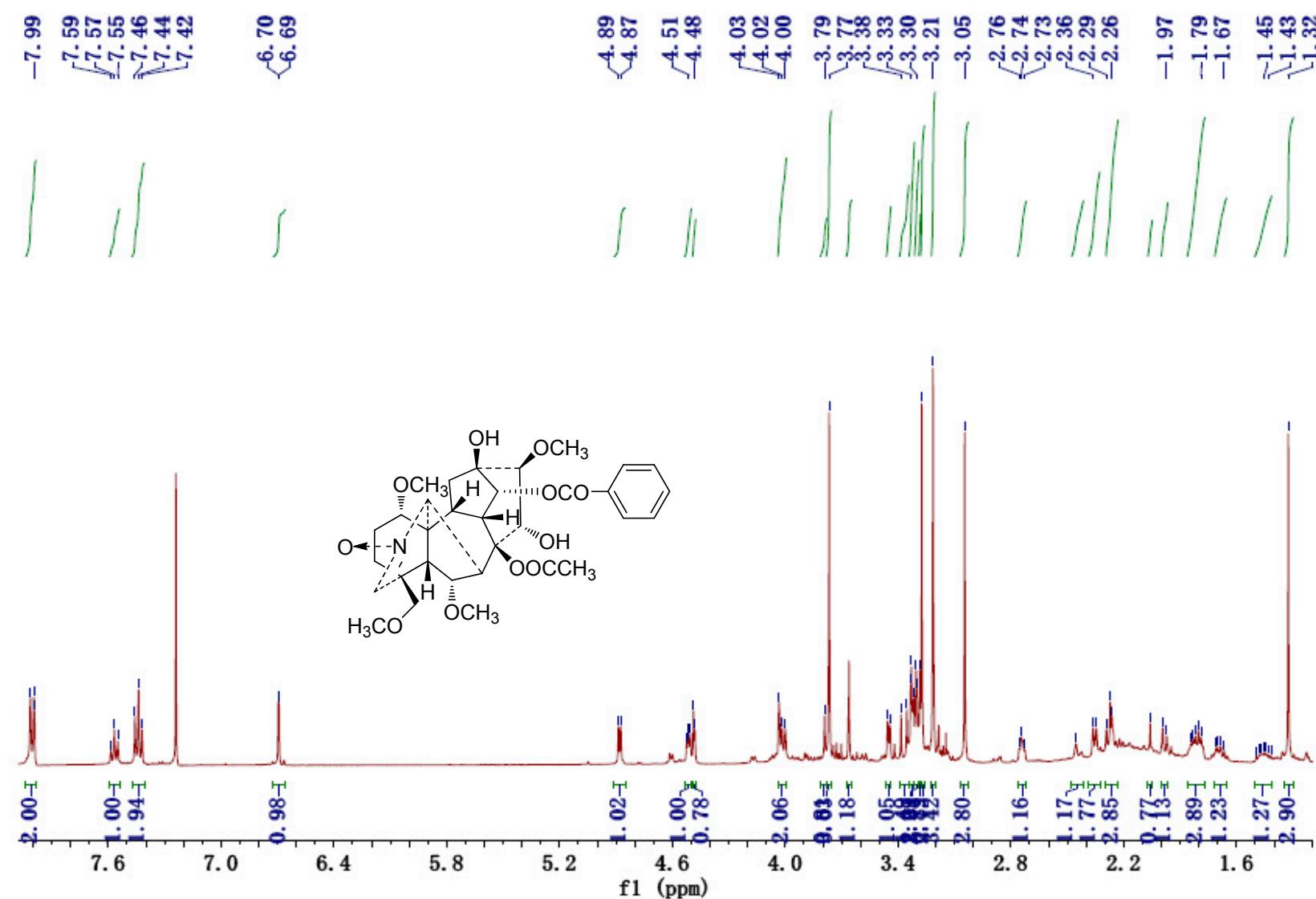


E:\W F\w2.0      kbr      Instrument type and /or accessory

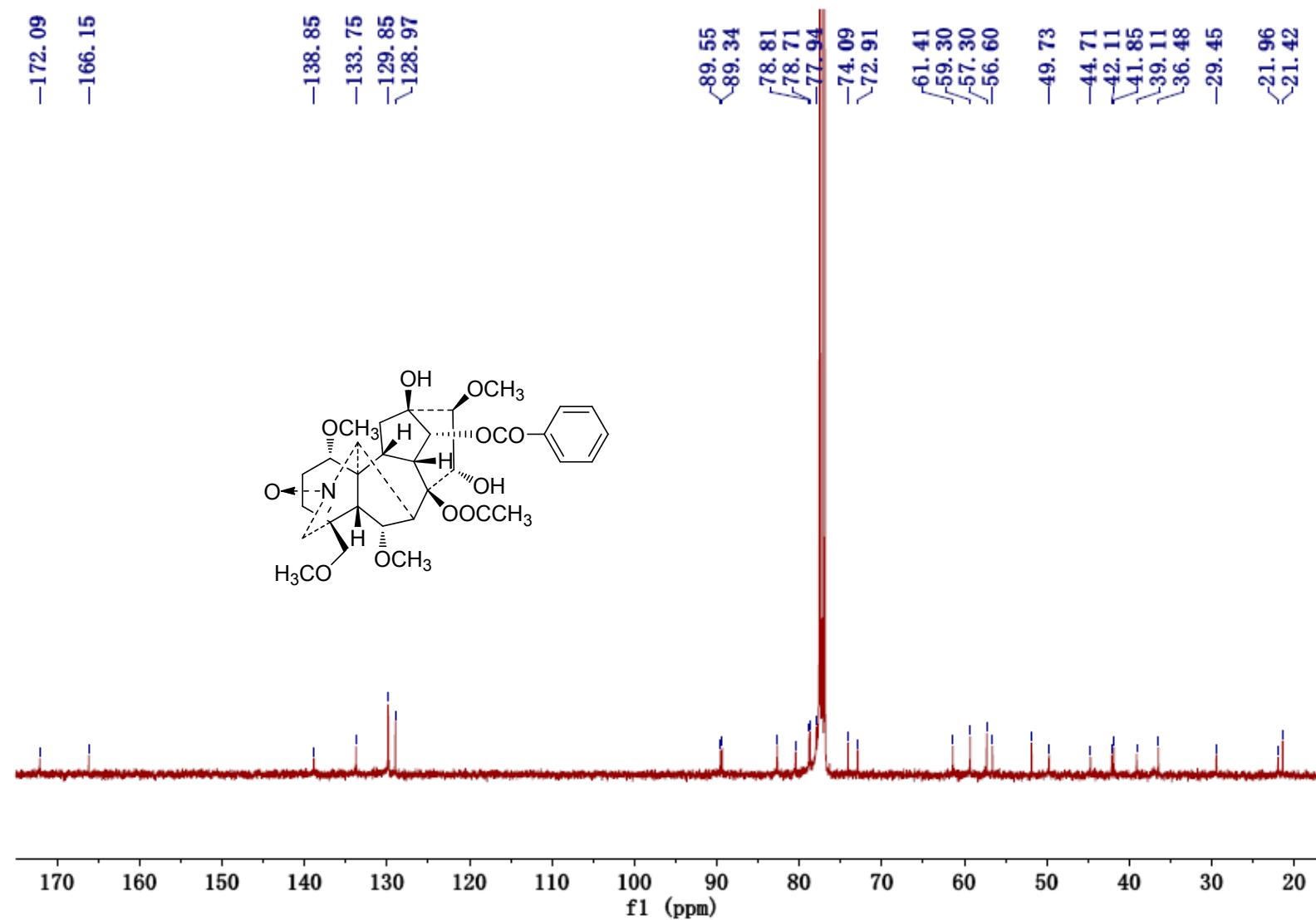
2016-5-10

Page 1/1

Figure S10. The IR spectrum of **2** (in KBr).



**Figure S11.** The  $^1\text{H}$ -NMR spectrum of **2** (400 MHz in  $\text{CDCl}_3$ ).



**Figure S12.** The  $^{13}\text{C}$ -NMR spectrum of 2 (100MHz in  $\text{CDCl}_3$ ).

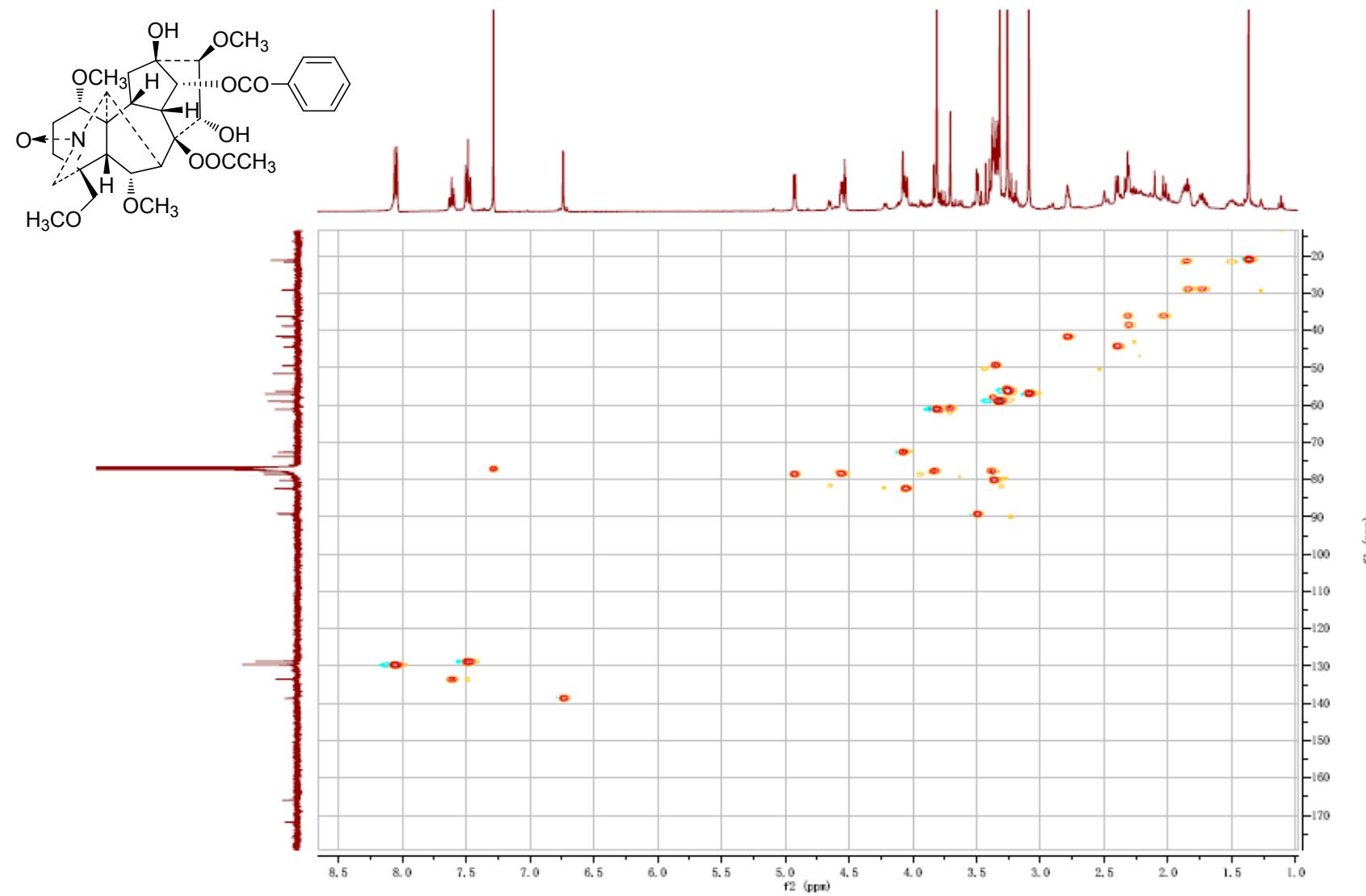
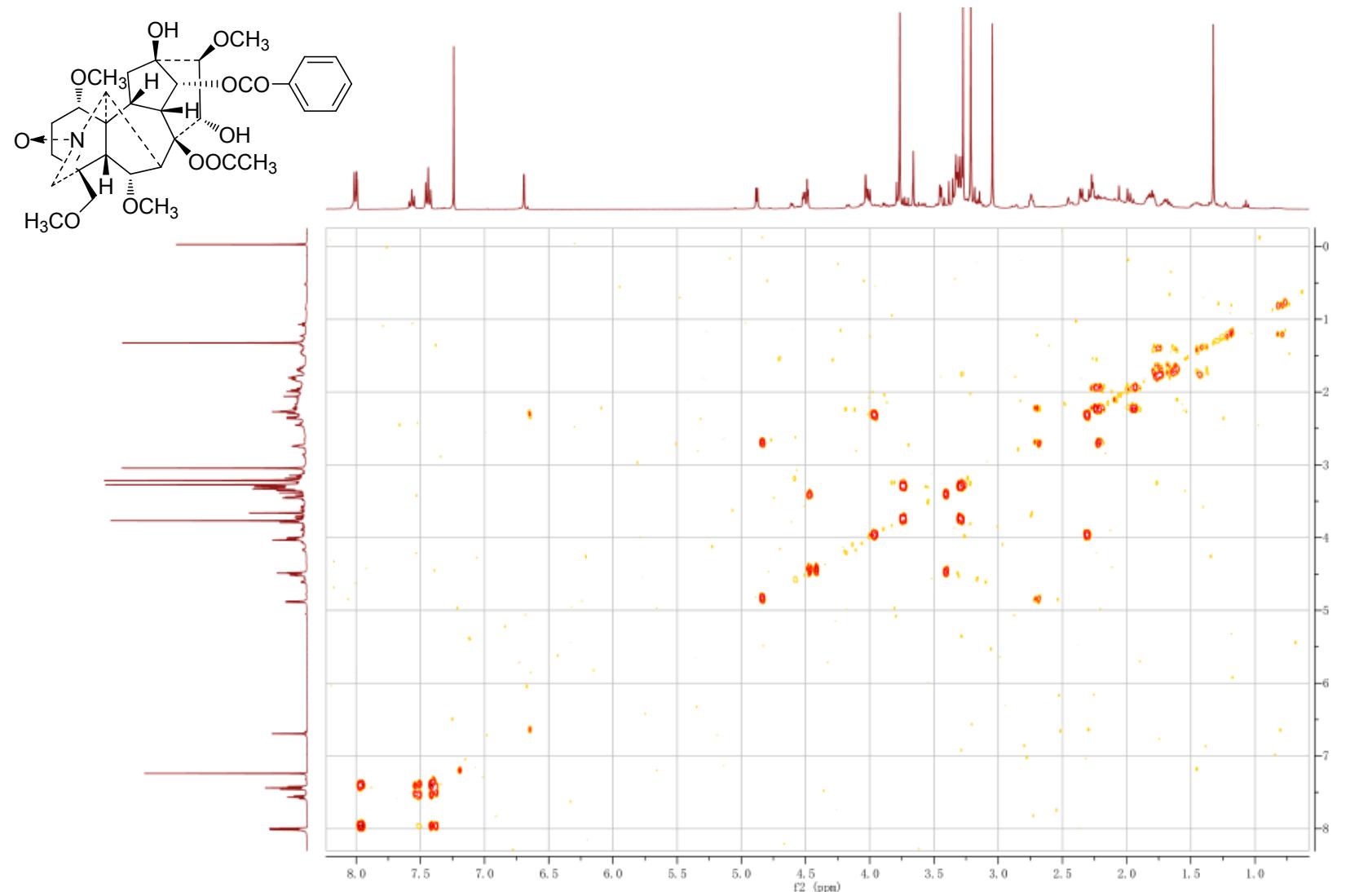
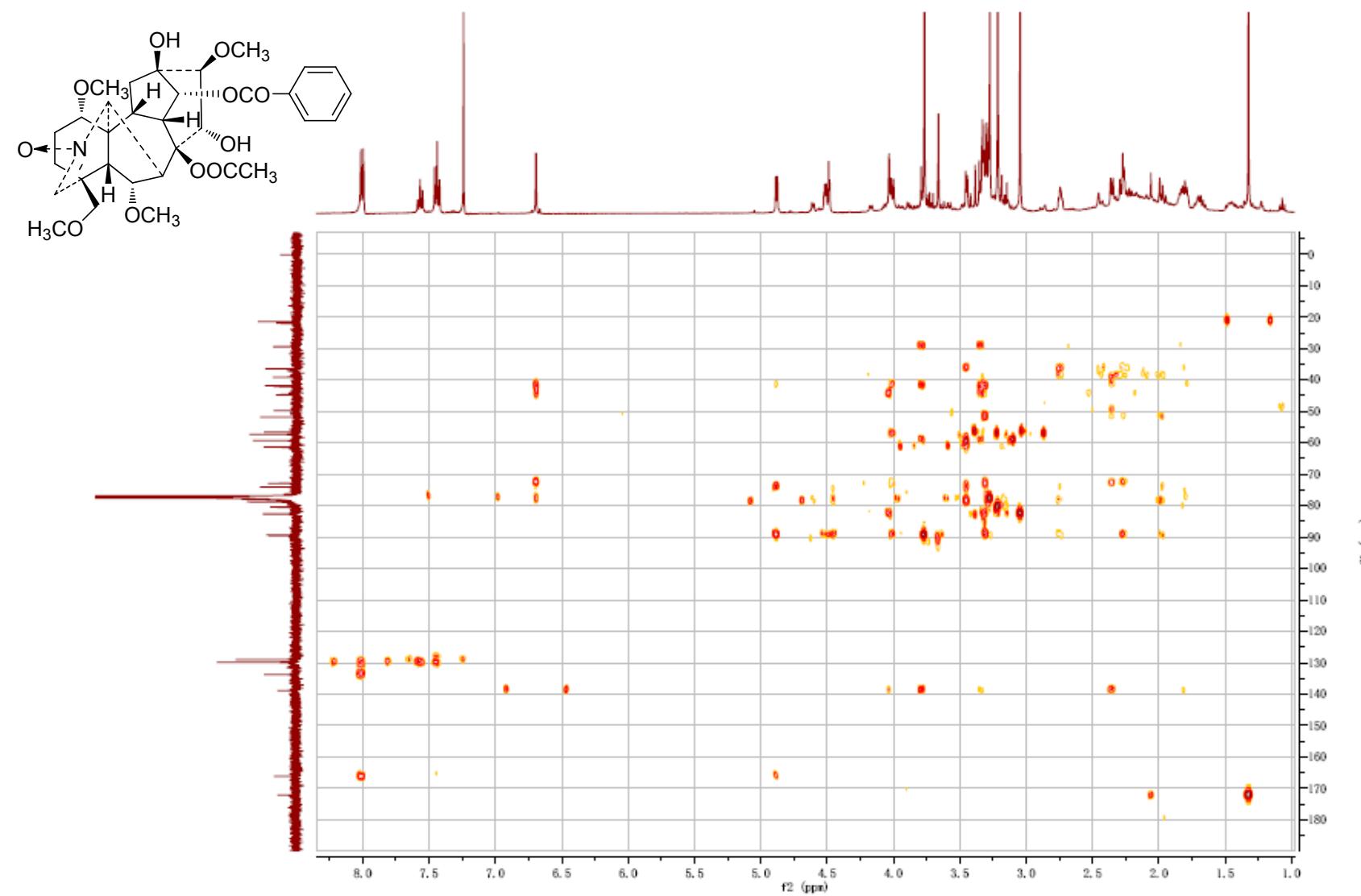


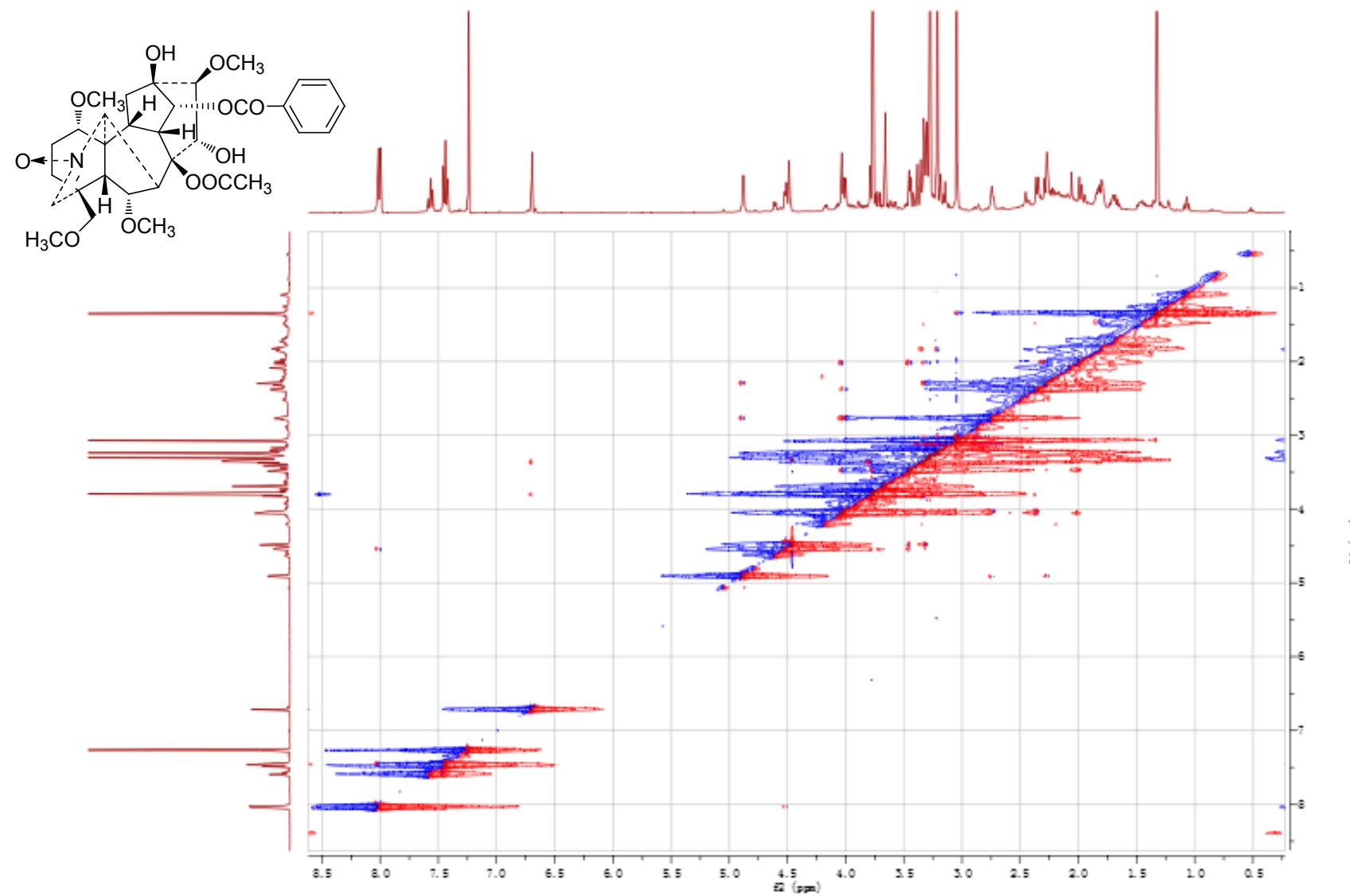
Figure S13. The HSQC spectrum of 2 (400MHz in CDCl<sub>3</sub>).



**Figure S14.** The  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of **2** (400MHz in  $\text{CDCl}_3$ ).



**Figure S15.** The HMBC spectrum of **2** (400MHz in CDCl<sub>3</sub>).



**Figure S16.** The ROESY spectrum of **2** (400MHz in CDCl<sub>3</sub>).

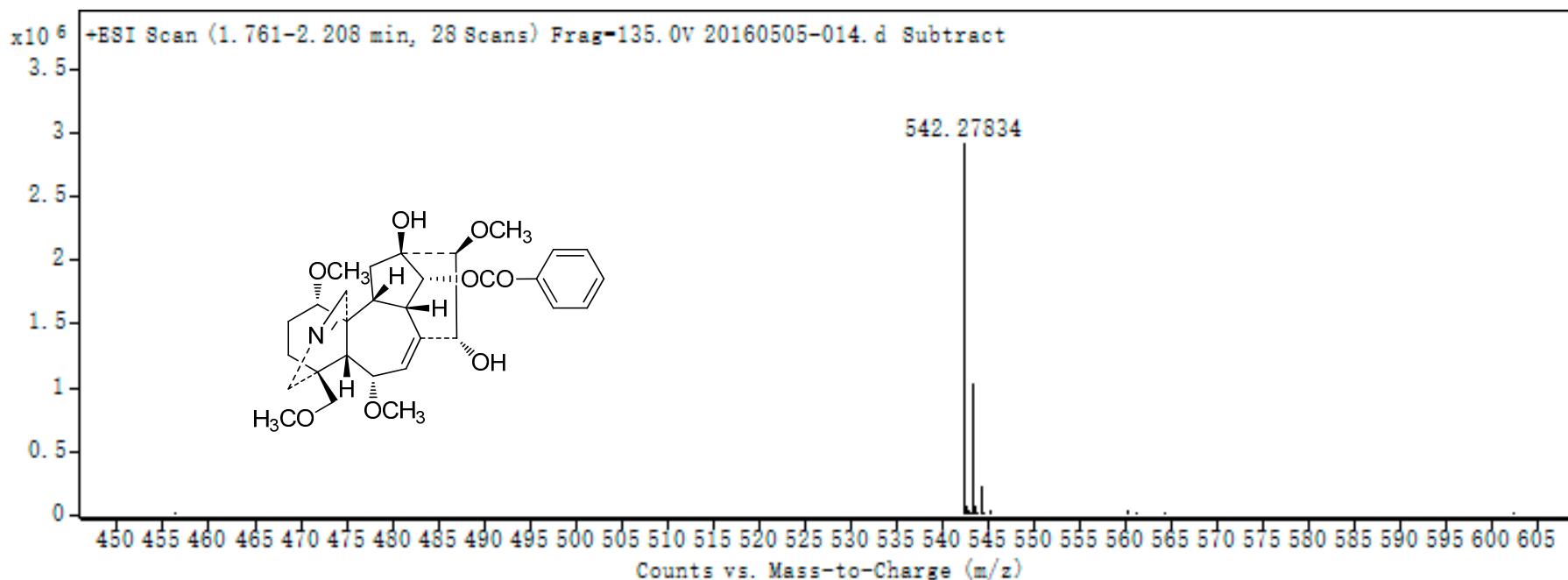
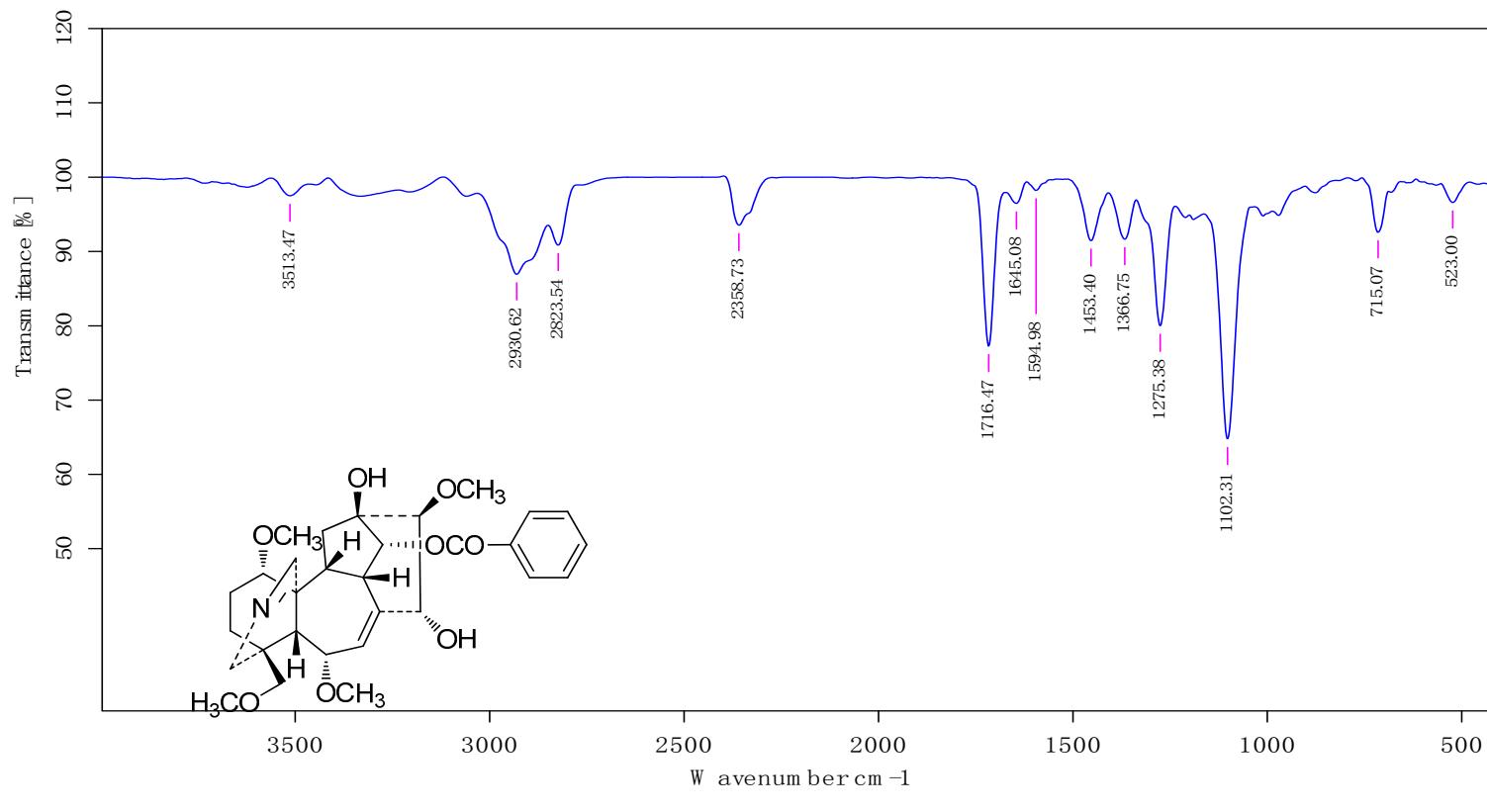


Figure S17. The HR-ESI-MS spectrum of 3 (in MeOH).



E :W F\w 3.0

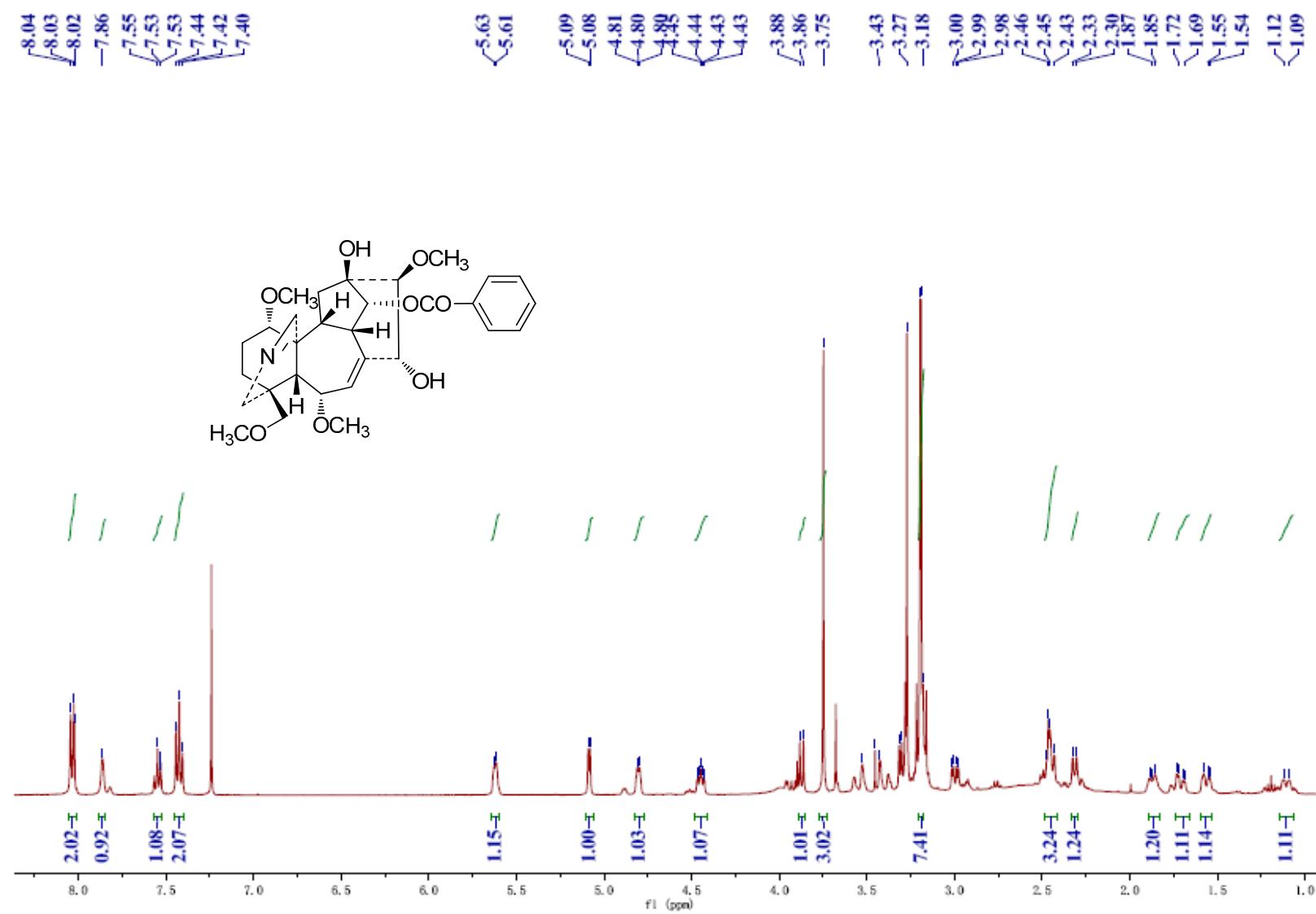
kbr

Instrument type and /or accessory

2016-5-10

Page 1/1

Figure S18. The IR spectrum of 3 (in KBr).



**Figure S19.** The <sup>1</sup>H-NMR spectrum of 3 (400MHz in CDCl<sub>3</sub>).

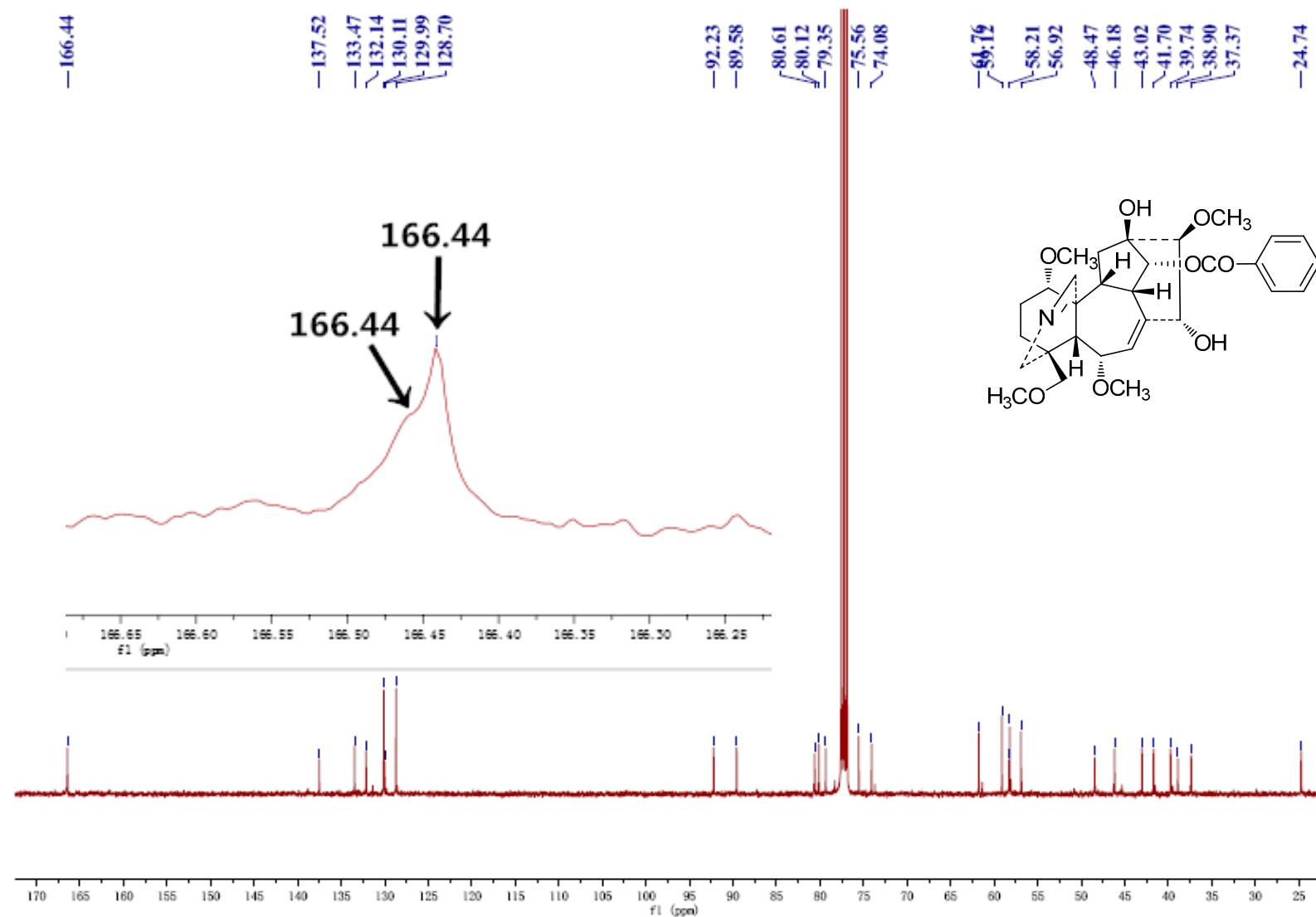


Figure S20. The  $^{13}\text{C}$ -NMR spectrum of 3 (100MHz in  $\text{CDCl}_3$ ).

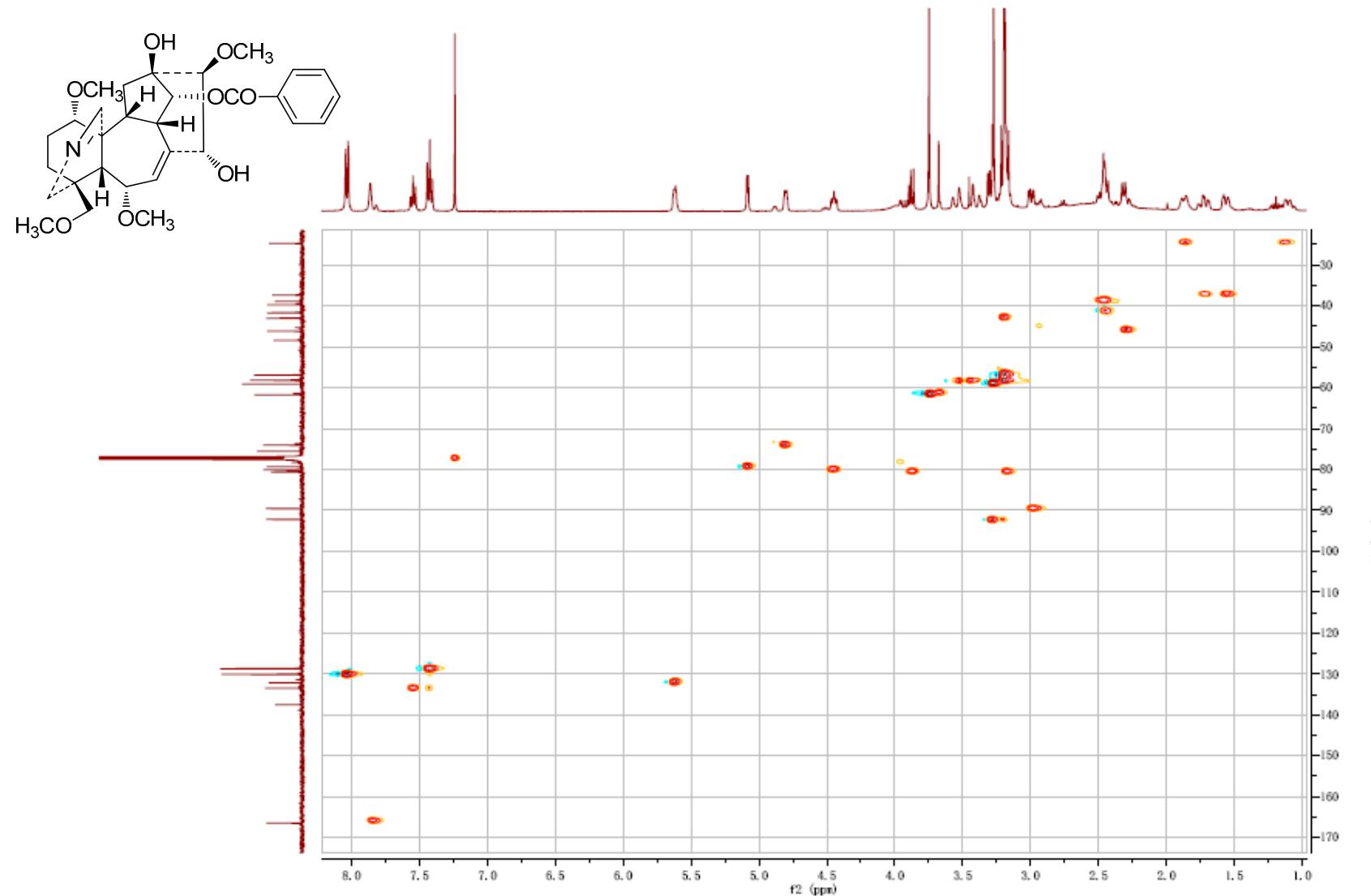
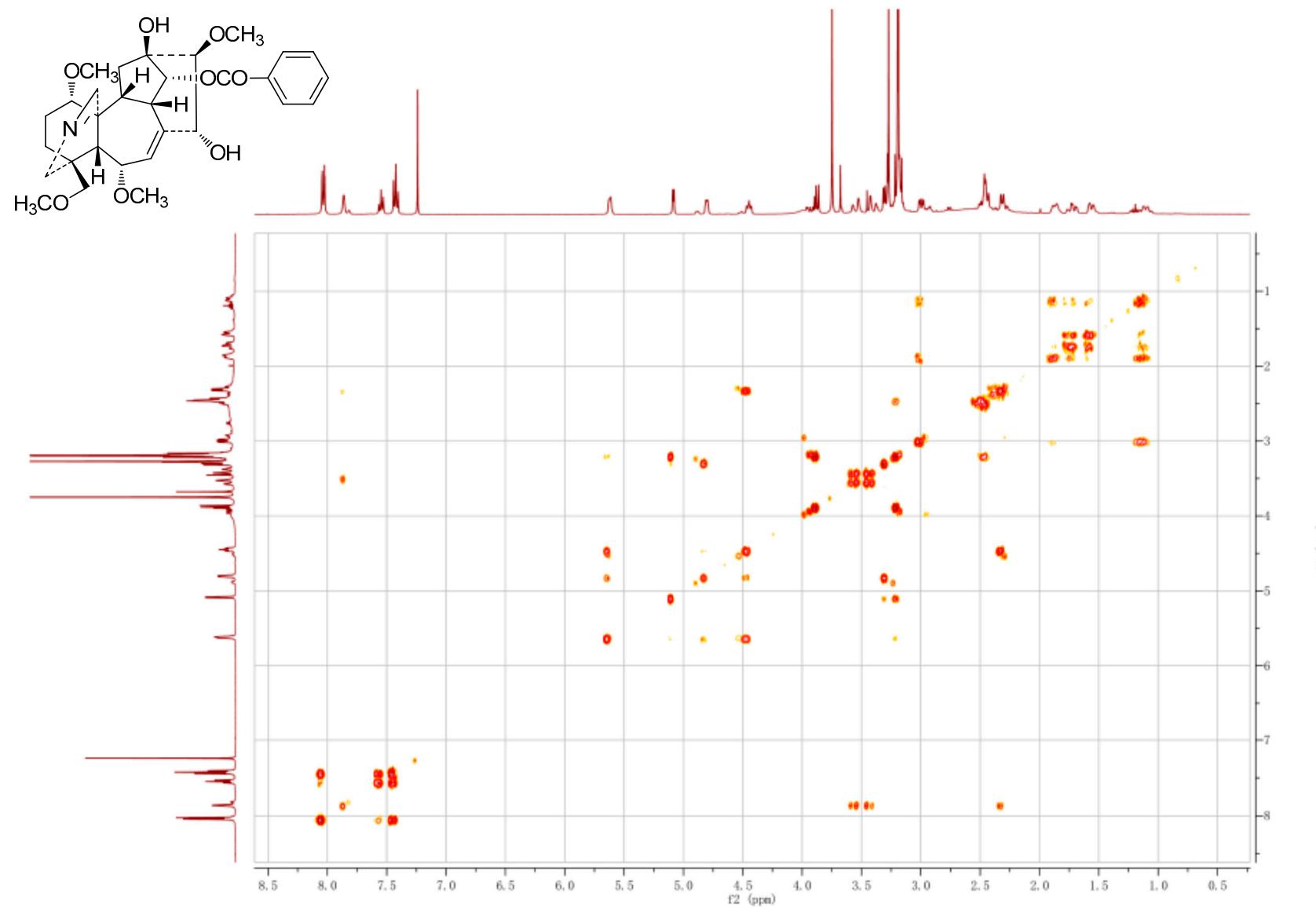
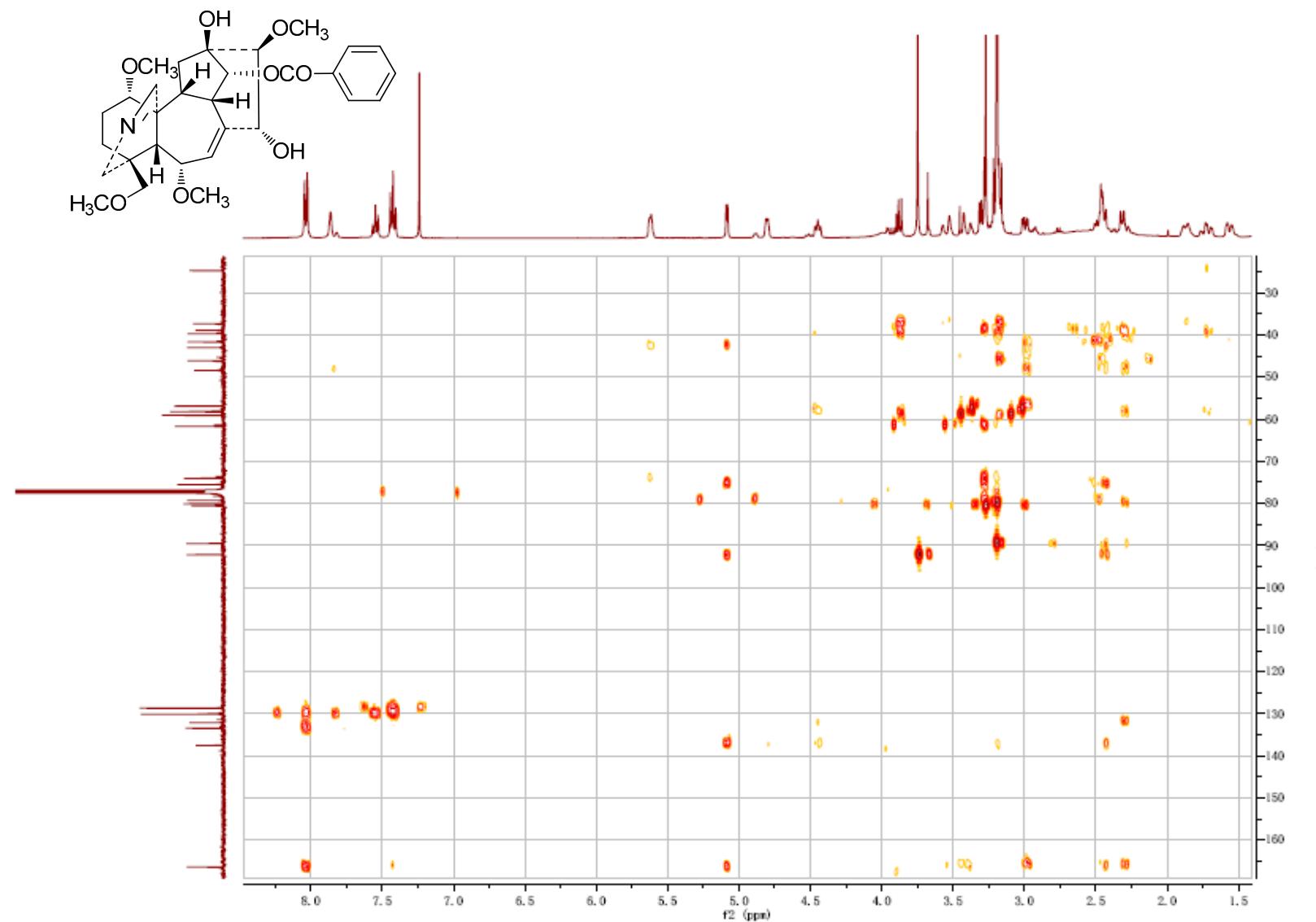


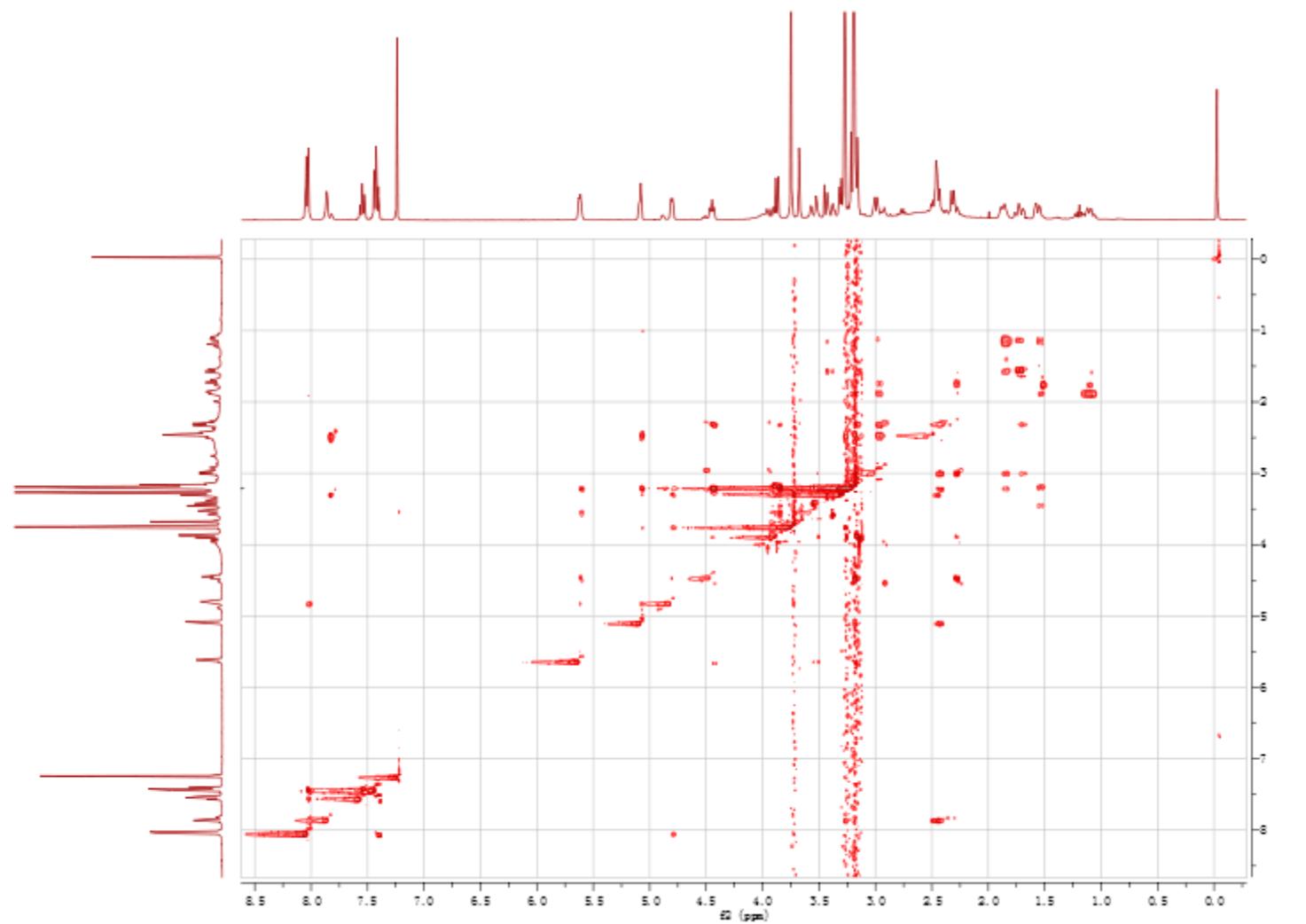
Figure S21. The HSQC spectrum of 3 (400MHz in CDCl<sub>3</sub>).



**Figure S22.** The <sup>1</sup>H-<sup>1</sup>H COSY spectrum of 3 (400MHz in CDCl<sub>3</sub>).



**Figure S23.** The HMBC spectrum of 3 (400MHz in  $\text{CDCl}_3$ ).



**Figure S24.** The ROESY spectrum of **3** (400MHz in  $\text{CDCl}_3$ ).