

## Supporting Information

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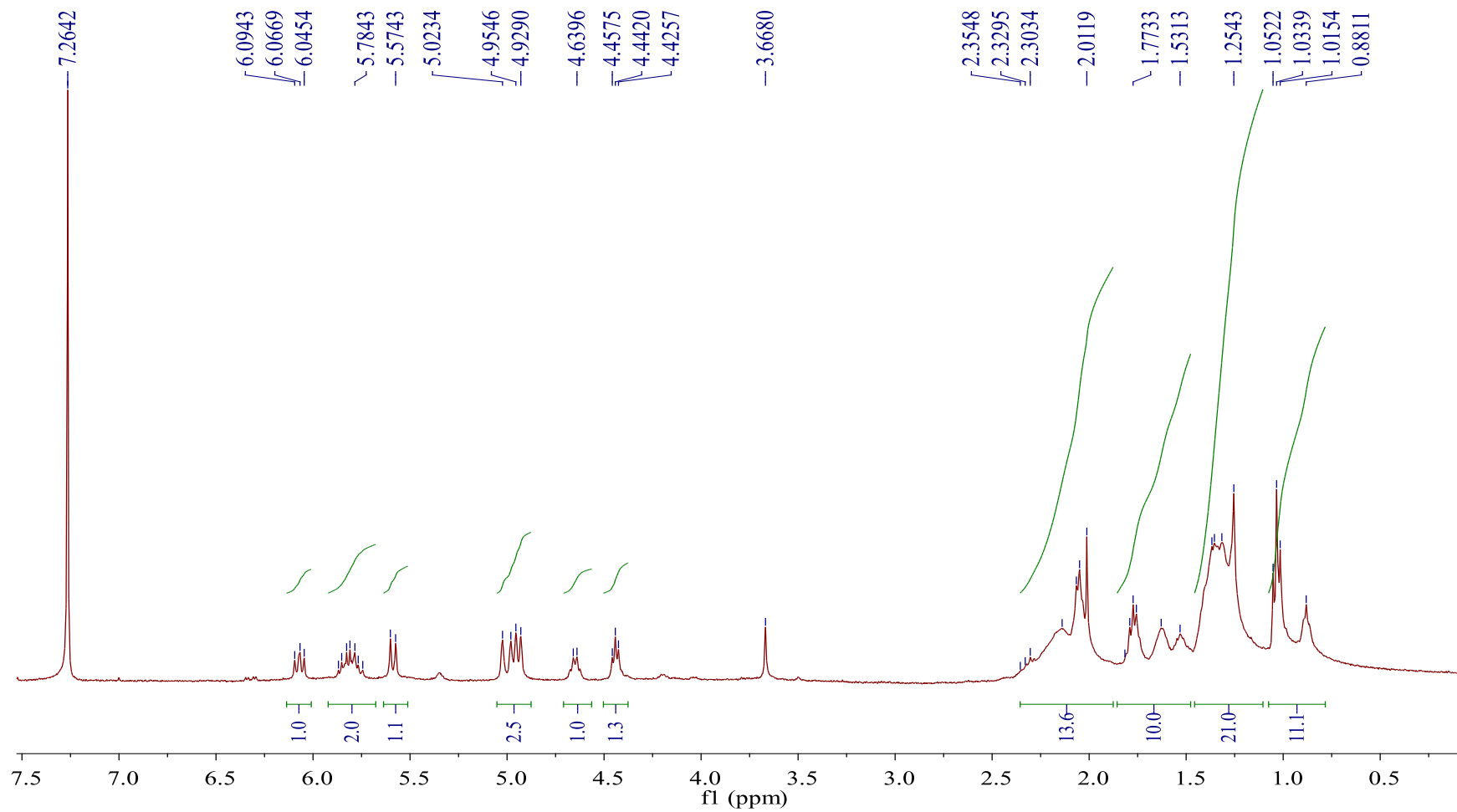
### **Polyacetylenes from the roots of *Aralia dumetorum***

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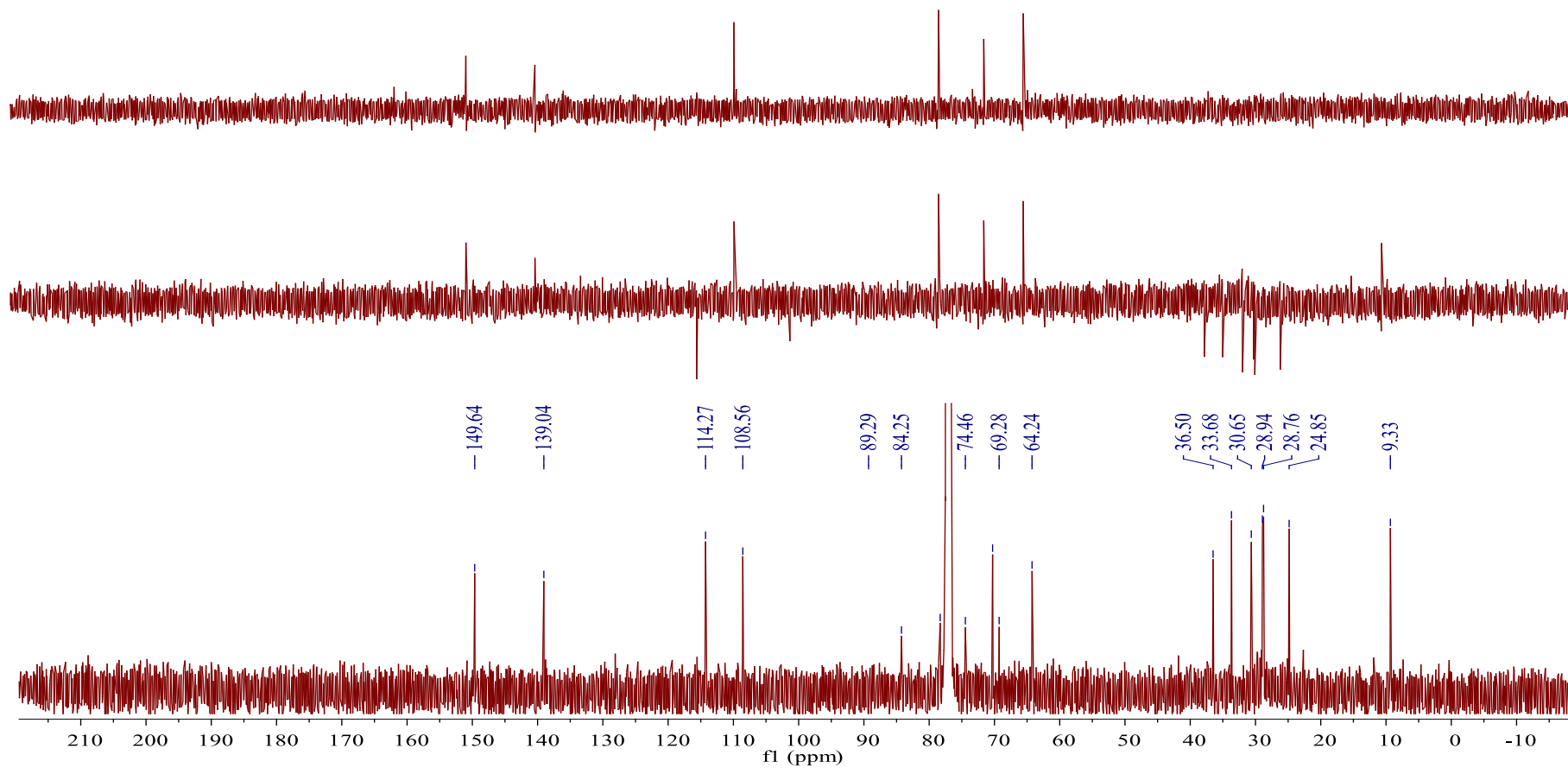
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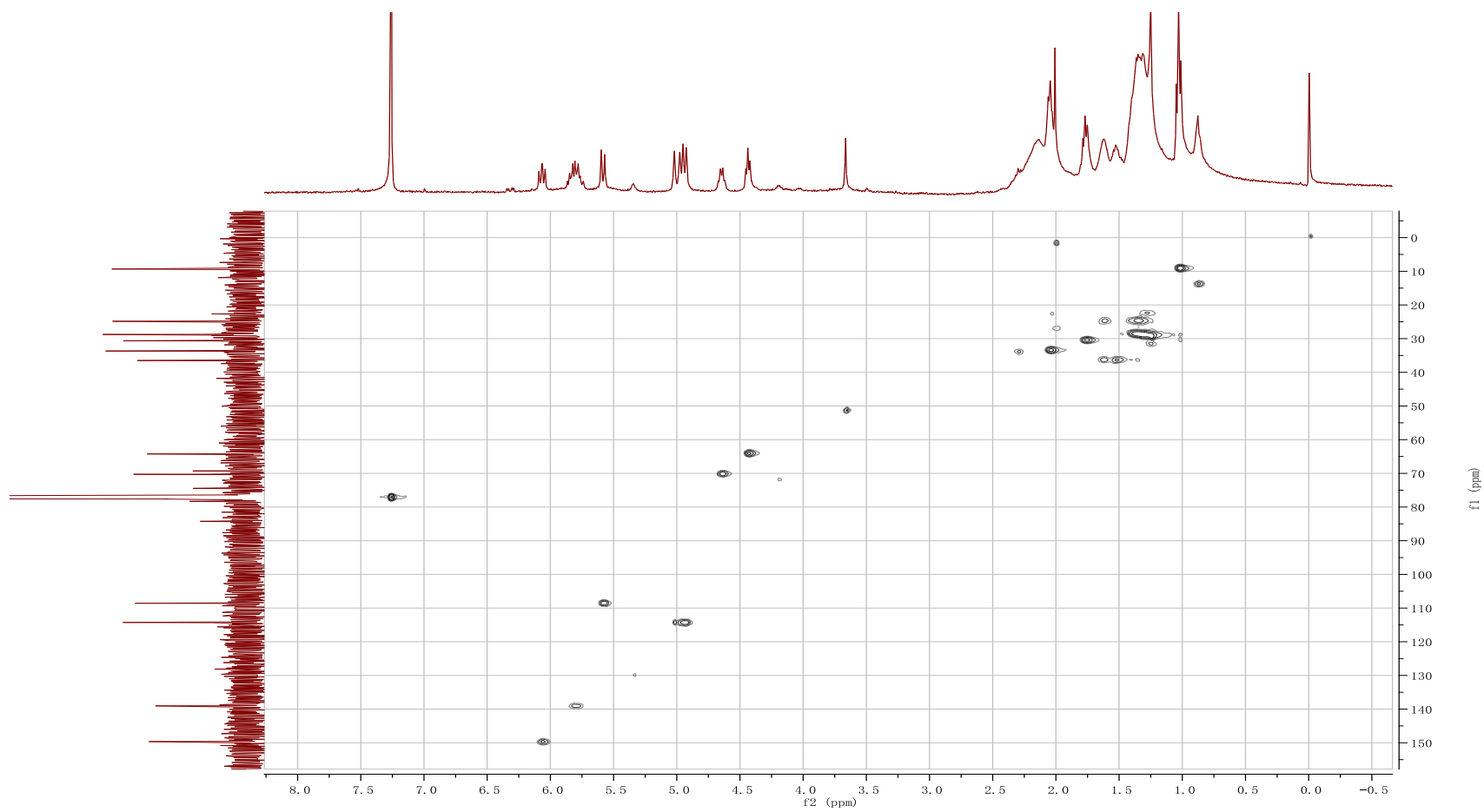
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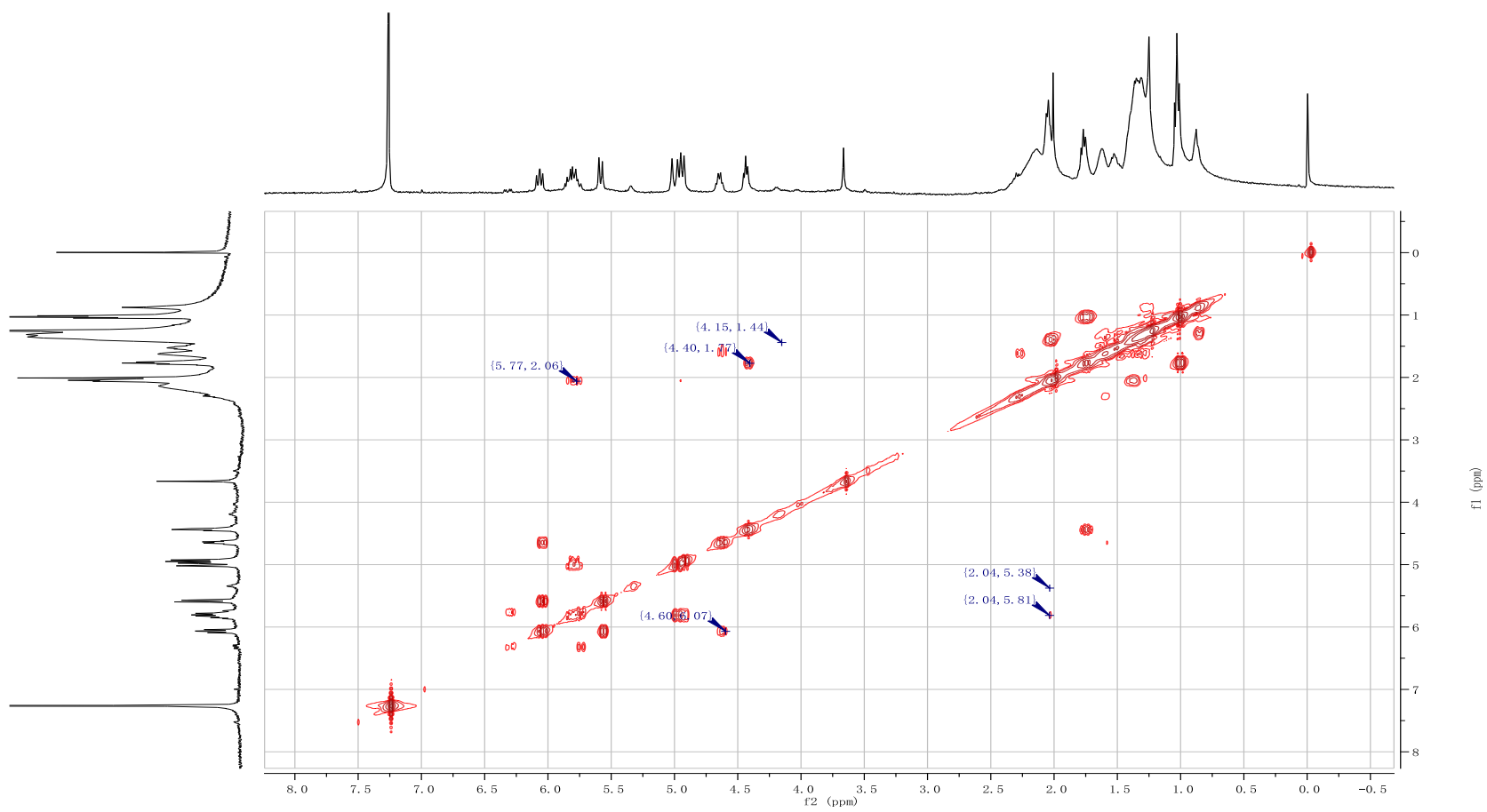
**Figure S1:**  $^1\text{H}$  NMR spectrum of **1** in  $\text{CDCl}_3$  (400 MHz).



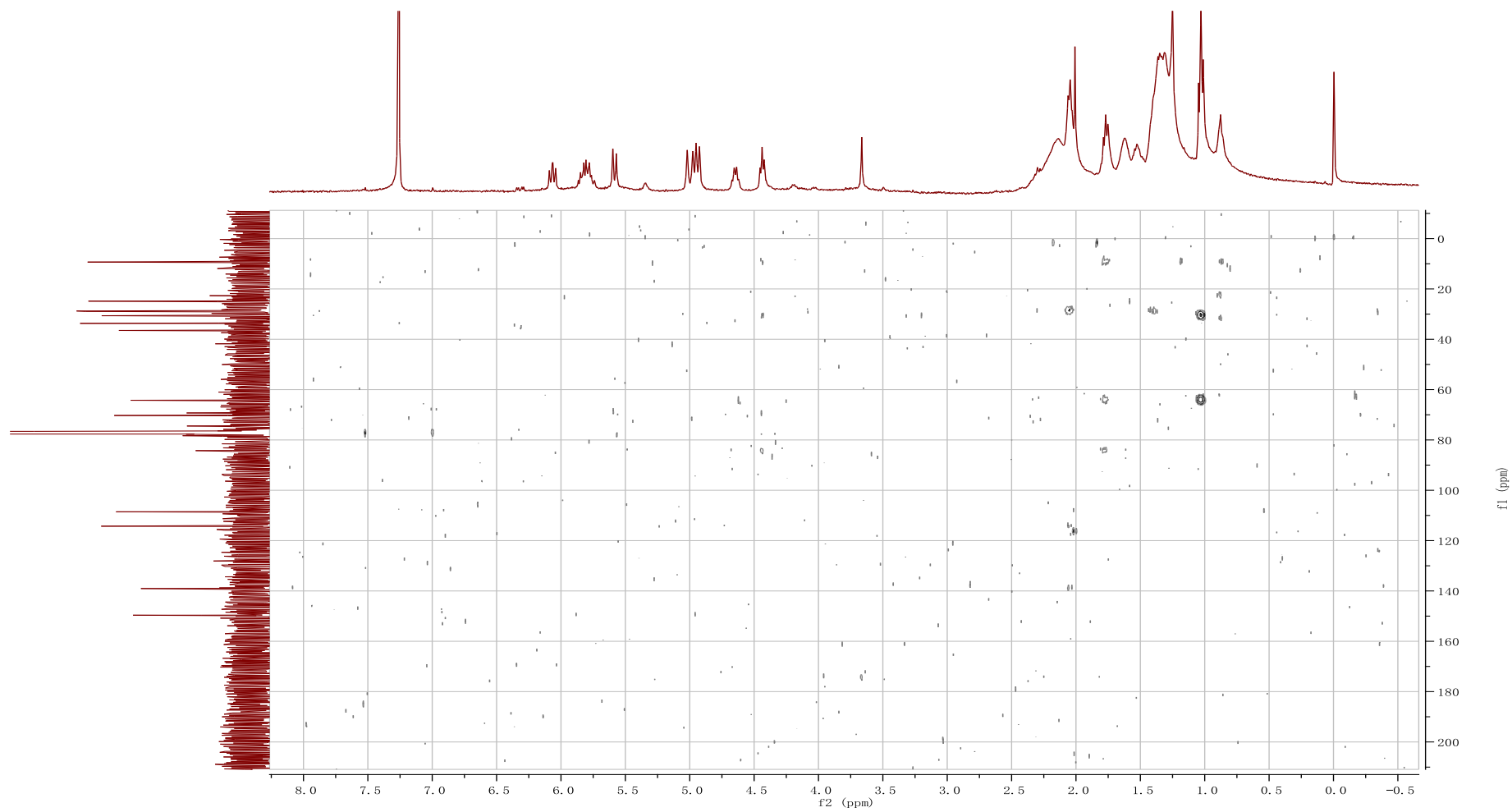
**Figure S2:** DEPT spectrum of **1** in CDCl<sub>3</sub> (100 MHz).

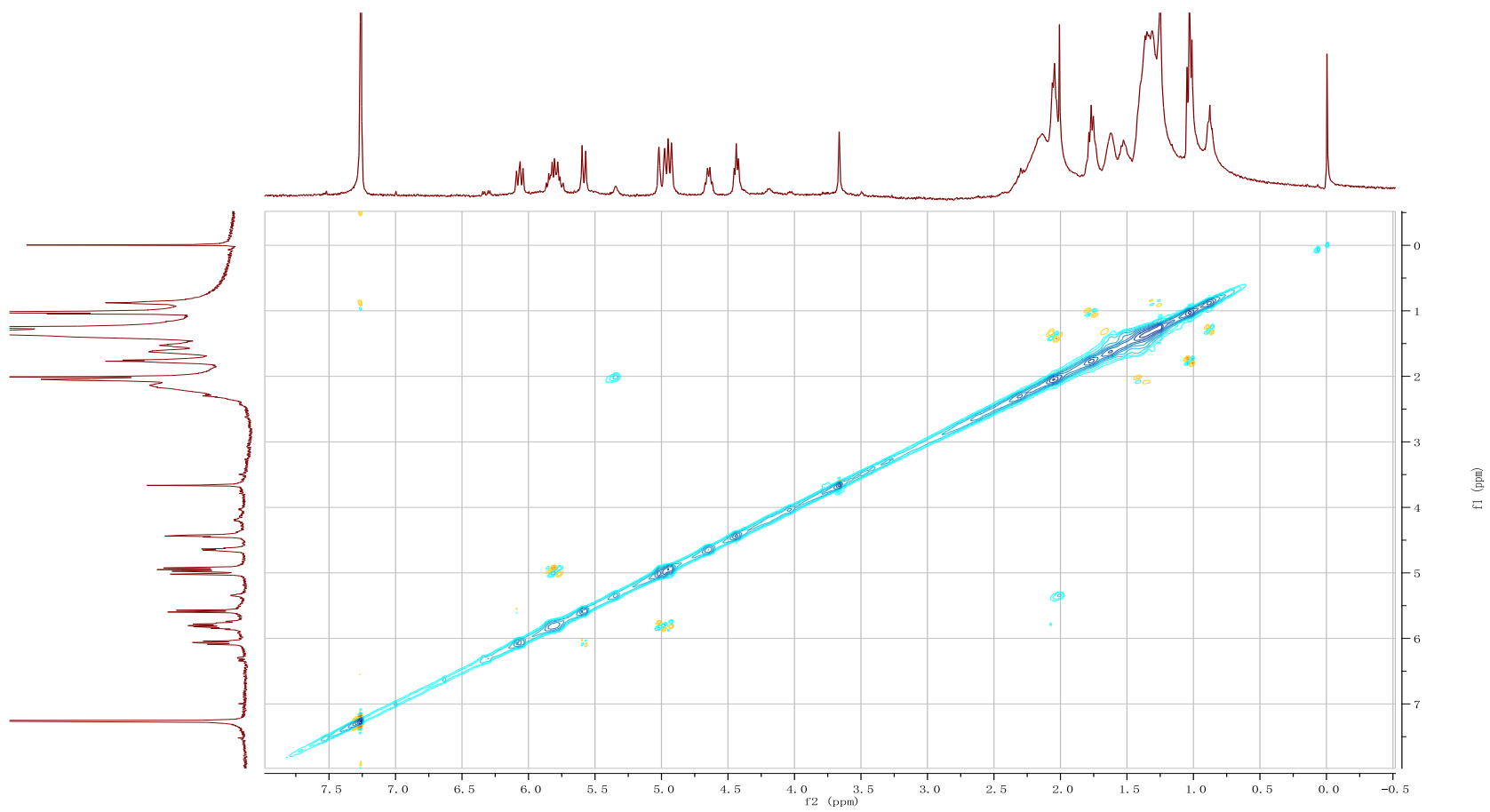


**Figure S3:** HSQC spectrum of **1** in CDCl<sub>3</sub>.

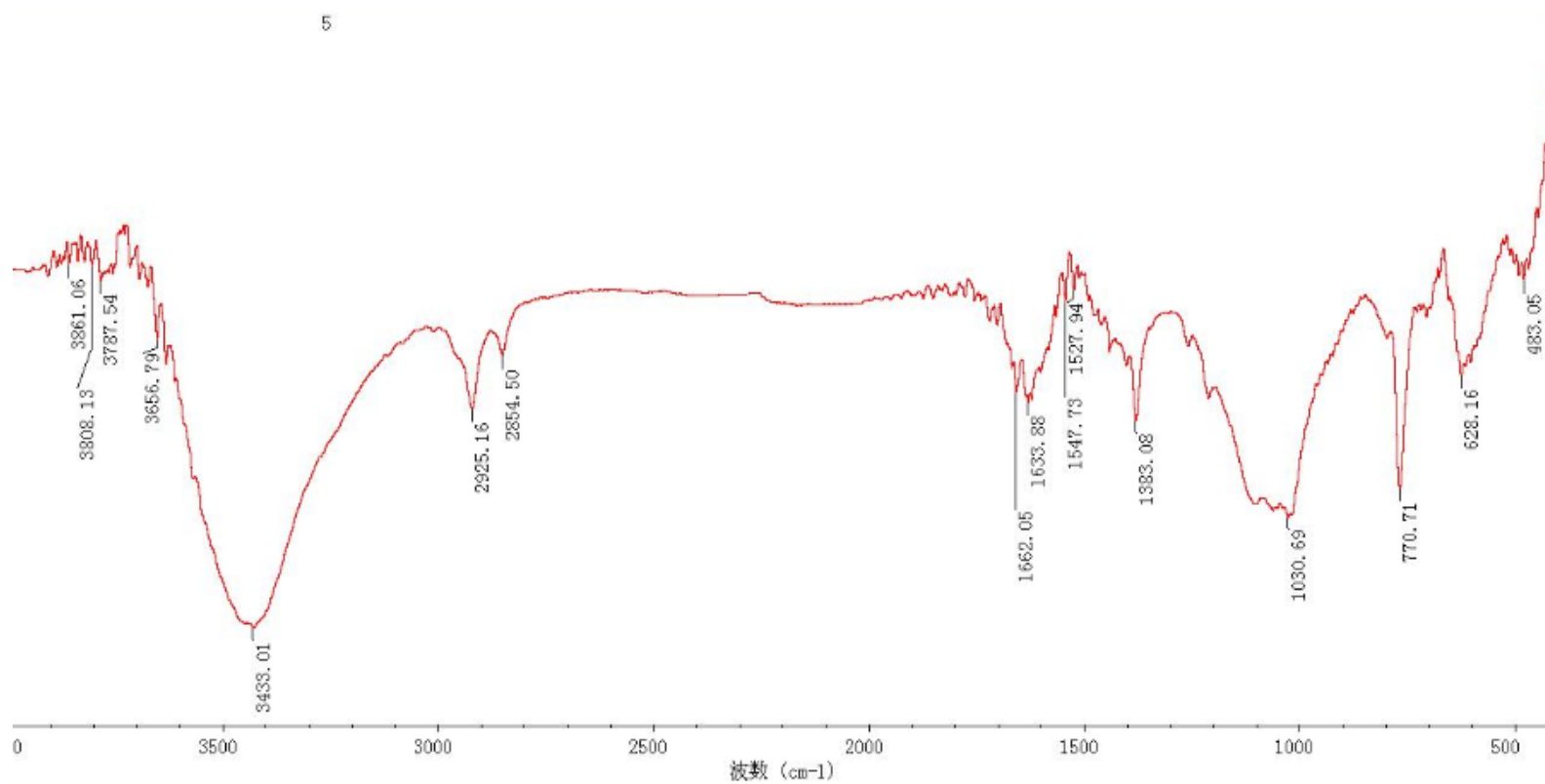


**Figure S4:** <sup>1</sup>H-<sup>1</sup>H COSY spectrum of **1** in CDCl<sub>3</sub>.





**Figure S6:** ROESY spectrum of **1** in  $\text{CDCl}_3$ .



**Figure S7:** IR spectrum of **1**



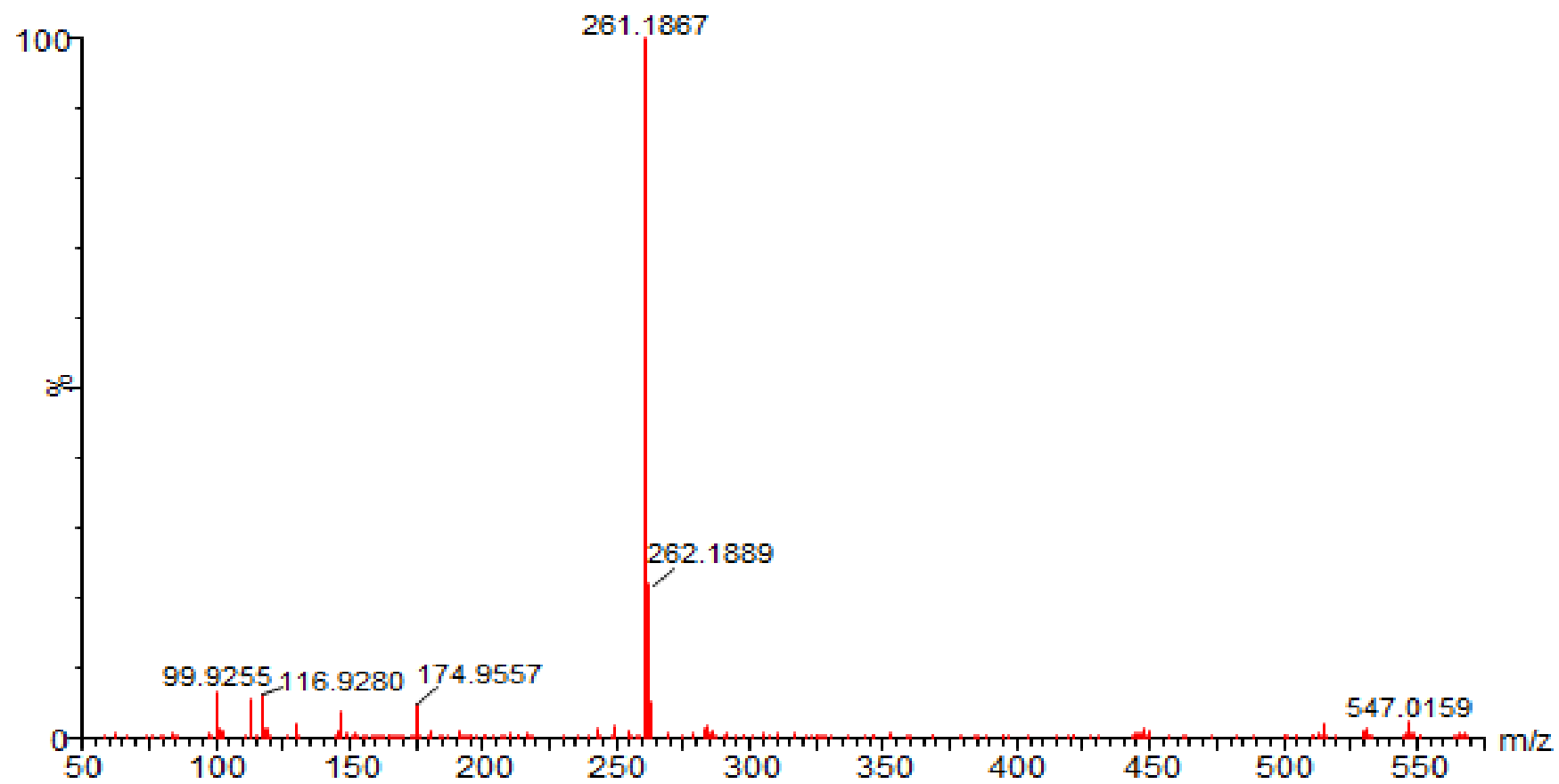


Figure S8: HRESIMS of 1

**Table S1.** <sup>1</sup>H NMR and <sup>13</sup>C NMR data of compounds **1** and **2**

Position	<b>1</b>		<b>2</b>	
	<sup>1</sup> H NMR	<sup>13</sup> C NMR	<sup>1</sup> H NMR	<sup>13</sup> C NMR
1	1.03 (3H, <i>t</i> , <i>J</i> = 7.2)	9.3 (CH <sub>3</sub> )	1.02 (3H, <i>t</i> , <i>J</i> = 6.9)	9.3 (CH <sub>3</sub> )
2	1.77 (2H, <i>m</i> )	30.6 (CH <sub>2</sub> )	1.74 (2H, <i>m</i> )	30.6 (CH <sub>2</sub> )
3	4.44 (1H, <i>t</i> , <i>J</i> = 6.0)	64.2 (CH)	4.41 (1H, <i>t</i> , <i>J</i> = 6.6)	64.3 (CH)
4		84.2 (C)		82.9 (C)
5		69.1 (C)		70.3 (C)
6		74.5 (C)		73.6 (C)
7		78.3 (C)		77.9 (C)
8	5.59 (1H, <i>d</i> , <i>J</i> = 10.8 Hz)	108.6 (CH)	5.75 (1H, <i>brd</i> , <i>J</i> = 15.9 Hz)	108.2 (CH)
9	6.06 (1H, <i>dd</i> , <i>J</i> = 10.8, 8.3)	149.6 (CH)	6.31 (1H, <i>dd</i> , <i>J</i> = 15.9, 6.0)	149.6 (CH)
10	4.65 (1H, <i>m</i> )	69.3 (CH)	4.19 (1H, <i>ddt</i> , <i>J</i> = 6.8, 6.0, 1.2)	72.0 (CH)
11	1.50 (2H, <i>m</i> )	36.5 (CH <sub>2</sub> )	1.50 (2H, <i>q</i> , <i>J</i> = 6.8)	36.8 (CH <sub>2</sub> )
12	1.30 (2H, <i>m</i> )	24.8 (CH <sub>2</sub> )	1.31 (2H, <i>m</i> )	25.0 (CH <sub>2</sub> )
13	1.31 (2H, <i>m</i> )	28.9 (CH <sub>2</sub> )	1.31 (2H, <i>m</i> )	29.0 (CH <sub>2</sub> )
14	1.35 (2H, <i>m</i> )	28.8 (CH <sub>2</sub> )	1.37 (2H, <i>m</i> )	28.8 (CH <sub>2</sub> )
15	2.05 (2H, <i>m</i> )	33.7 (CH <sub>2</sub> )	2.02 (2H, <i>q</i> , <i>J</i> = 7.0)	33.6 (CH <sub>2</sub> )

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16	5.81 (1H, <i>m</i> )	139.0 (CH)	5.78 (1H, <i>ddt</i> , <i>J</i> = 16.8, 10.4, 7.0)	138.9 (CH)
17	5.00 (1H, <i>brd</i> , <i>J</i> = 17.2) 4.94 (1H, <i>brd</i> , <i>J</i> = 10.2)	114.3 (CH <sub>2</sub> )	4.98 (1H, <i>brd</i> , <i>J</i> = 16.8) 4.94 (1H, <i>brd</i> , <i>J</i> = 10.4)	114.4 (CH <sub>2</sub> )

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