

Supporting Information

Anti-Inflammatory Azaphilones from the Edible Alga-Derived Fungus *Penicillium sclerotiorum*

Hui-Chun Wang, Tzu-Yi Ke, Ya-Chen Ko, Jue-Jun Lin, Jui-Sheng Chang, and Yuan-Bin Cheng*

Table of Contents

Figure S1 ¹ H NMR spectrum of 1 (CDCl ₃ , 600 MHz).....	2
Figure S2 ¹³ C NMR and DEPT spectrum of 1 (CDCl ₃ , 150 MHz).....	3
Figure S3 COSY spectrum of 1	4
Figure S4 HSQC spectrum of 1	5
Figure S5 HMBC spectrum of 1	6
Figure S6 NOESY spectrum of 1	7
Figure S7 ¹ H NMR spectrum of 2 (CDCl ₃ , 600 MHz).....	8
Figure S8 ¹³ C NMR and DEPT spectrum of 2 (CDCl ₃ , 150 MHz).....	9
Figure S9 COSY spectrum of 2	10
Figure S10 HSQC spectrum of 2	11
Figure S11 HMBC spectrum of 2	12
Figure S12 NOESY spectrum of 2	13
Figure S13 HRESIMS spectrum of 1	14
Figure S14 HRESIMS spectrum of 2	15
Table S1 the ¹ H and ¹³ C data of the sidechain of compounds 1–4	16
Figure S15 IR spectrum of 1	17
Figure S16 UV spectrum of 1	17
Figure S17 IR spectrum of 2	18
Figure S18 UV spectrum of 2	18

Figure S1 ^1H NMR spectrum of **1** (CDCl_3 , 600 MHz)

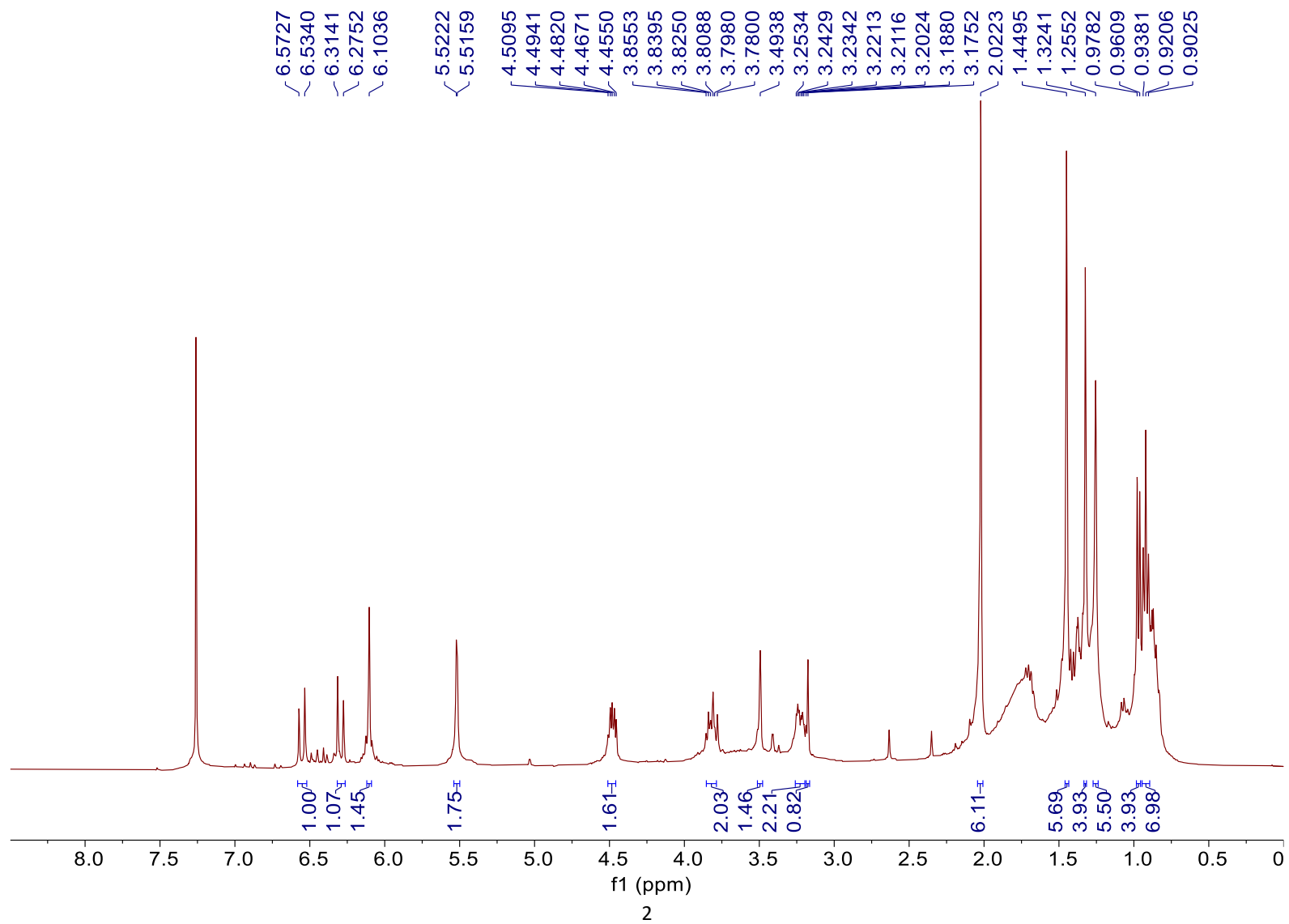


Figure S2 ^{13}C NMR and DEPT spectrum of **1** (CDCl_3 , 150 MHz).

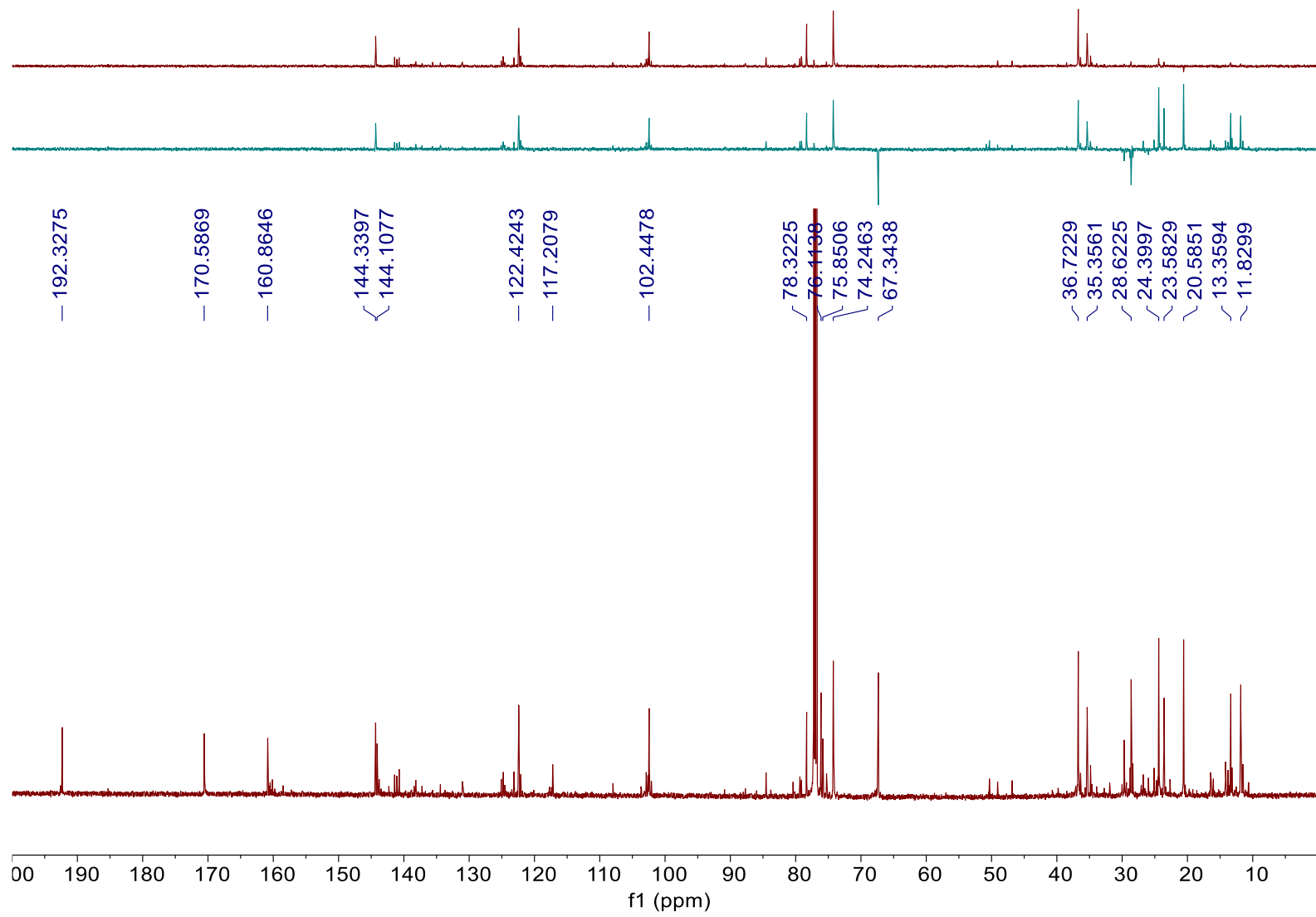


Figure S3 COSY spectrum of **1**

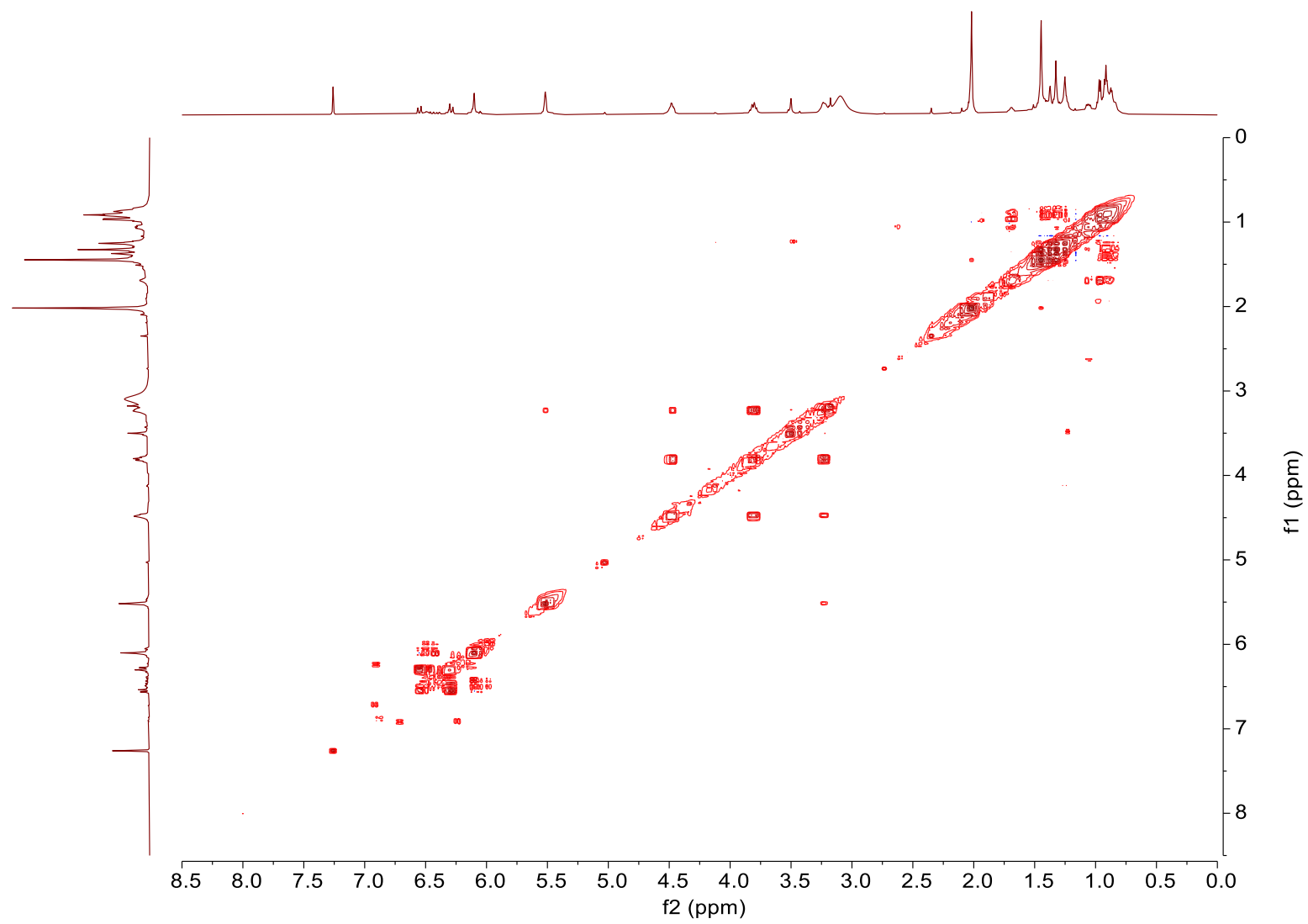


Figure S4 HSQC spectrum of **1**

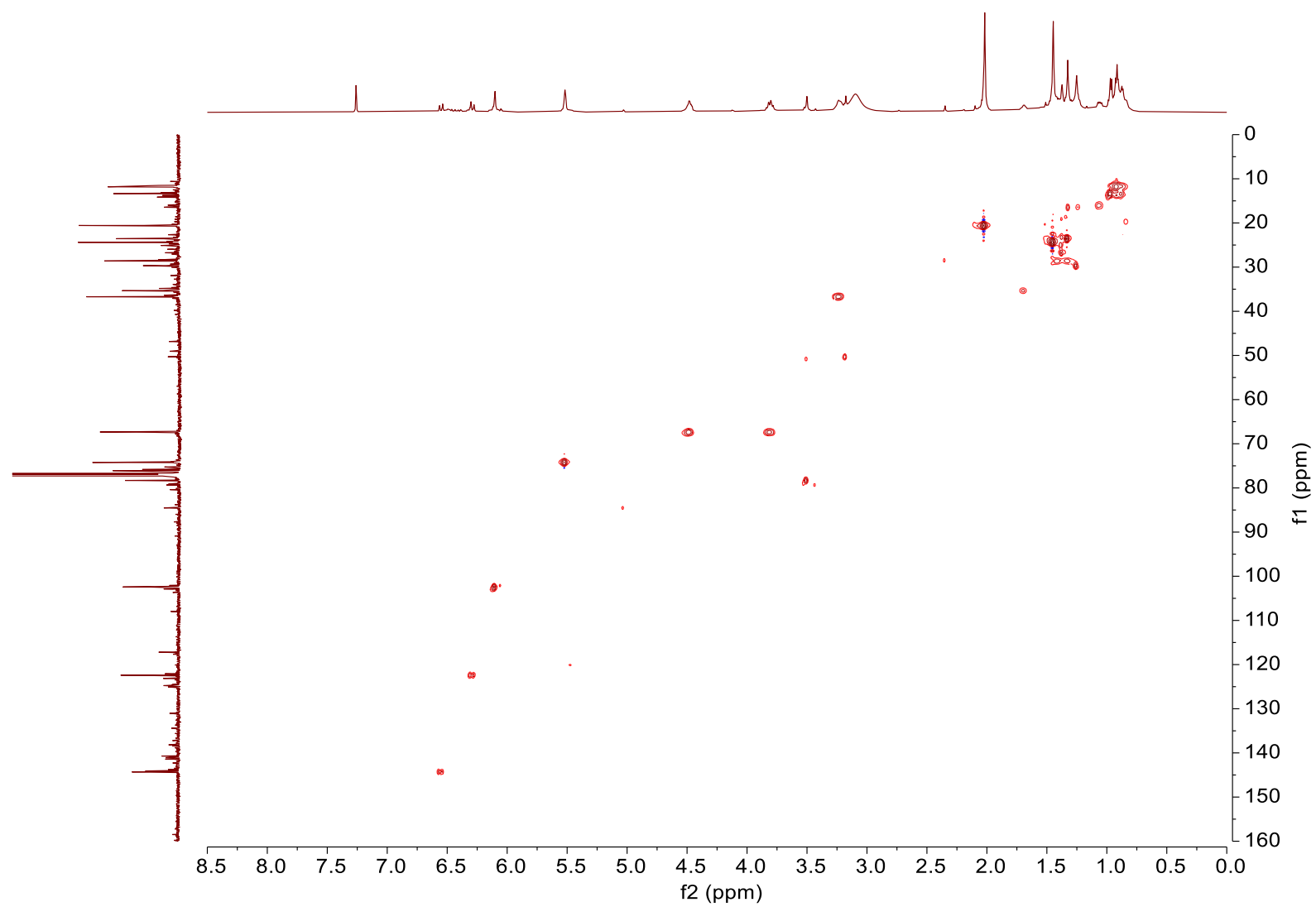


Figure S5 HMBC spectrum of **1**

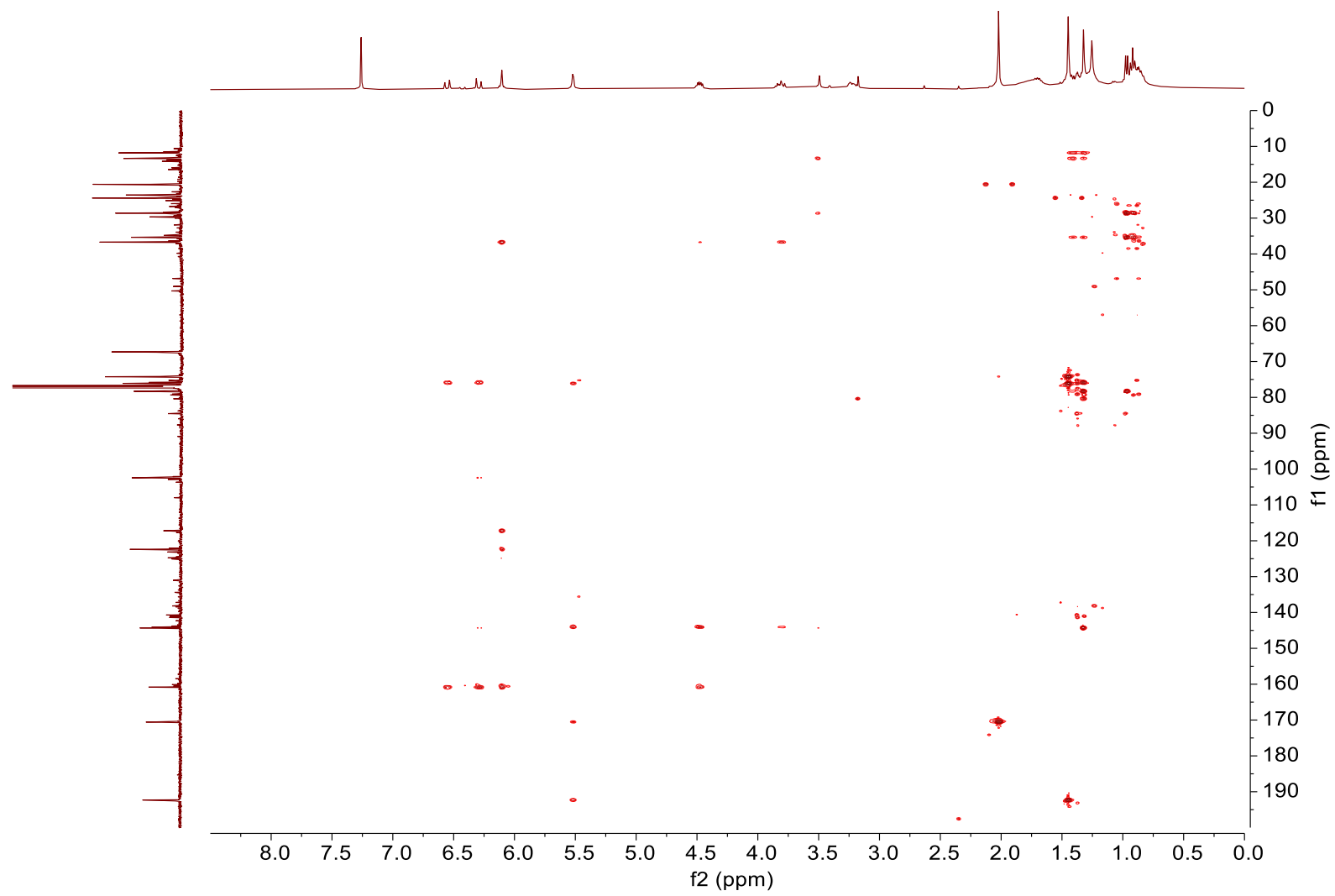


Figure S6 NOESY spectrum of **1**

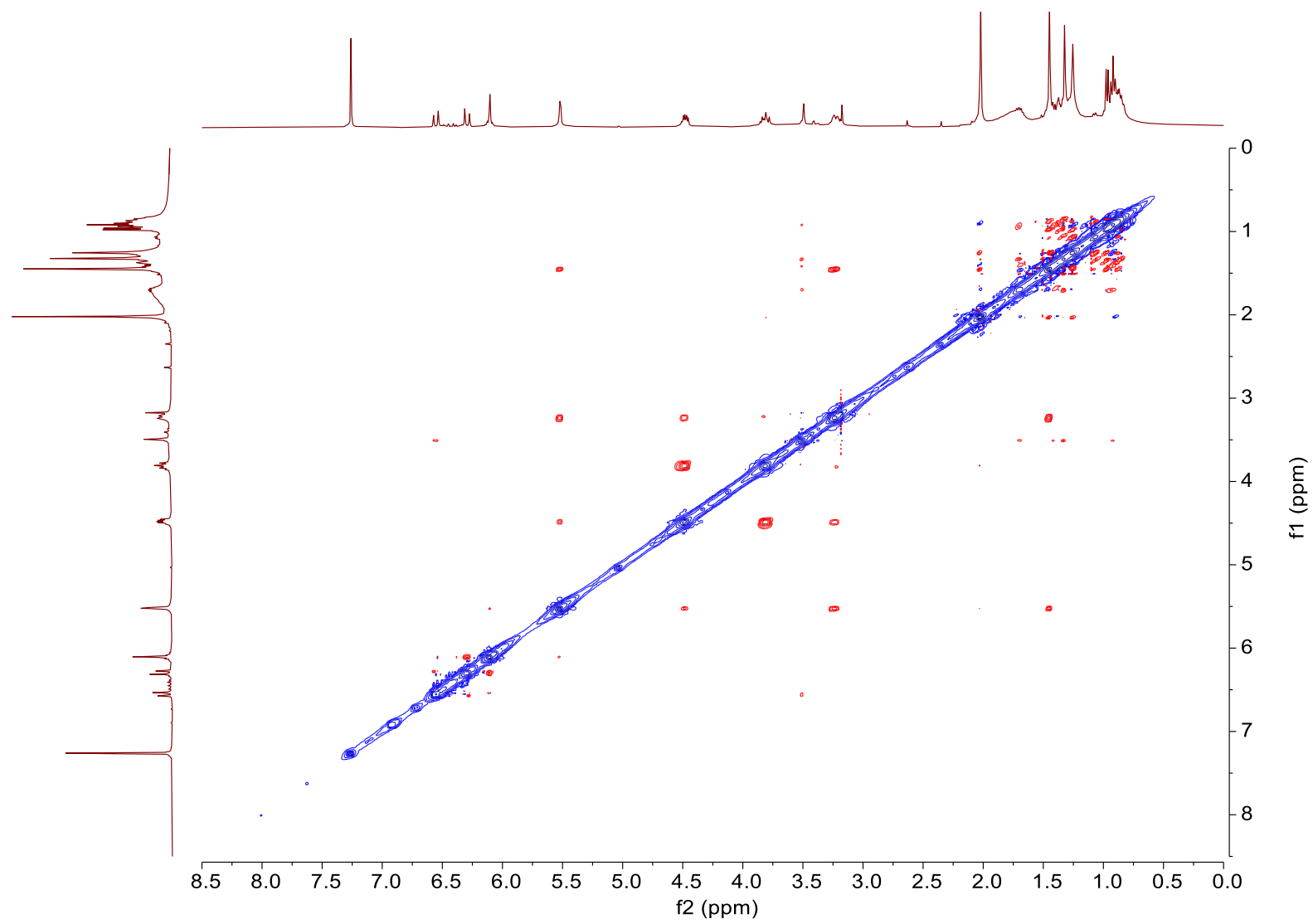


Figure S7 ^1H NMR spectrum of **2** (CDCl_3 , 600 MHz)

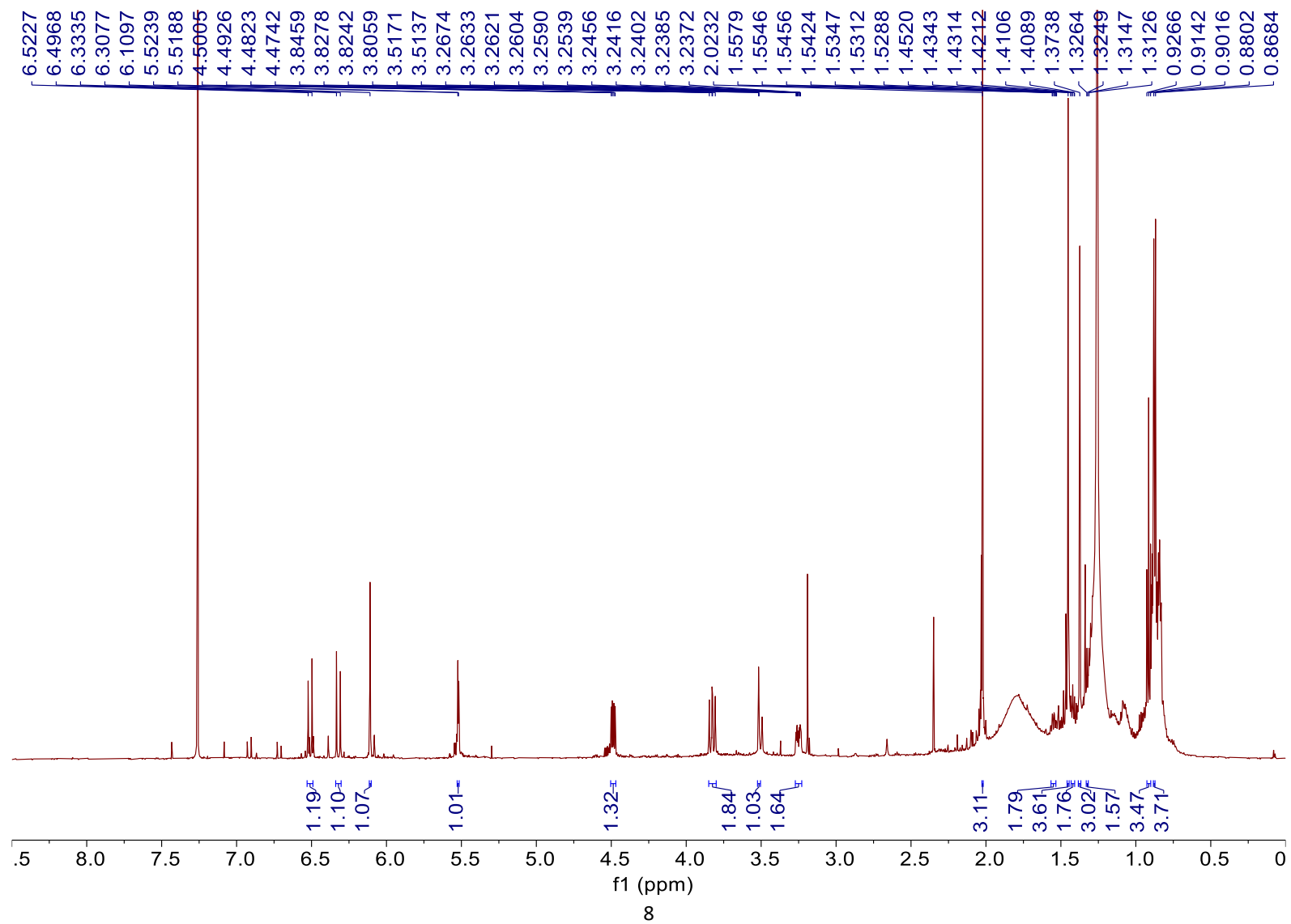


Figure S8 ^{13}C NMR and DEPT spectrum of **2** (CDCl_3 , 150 MHz)

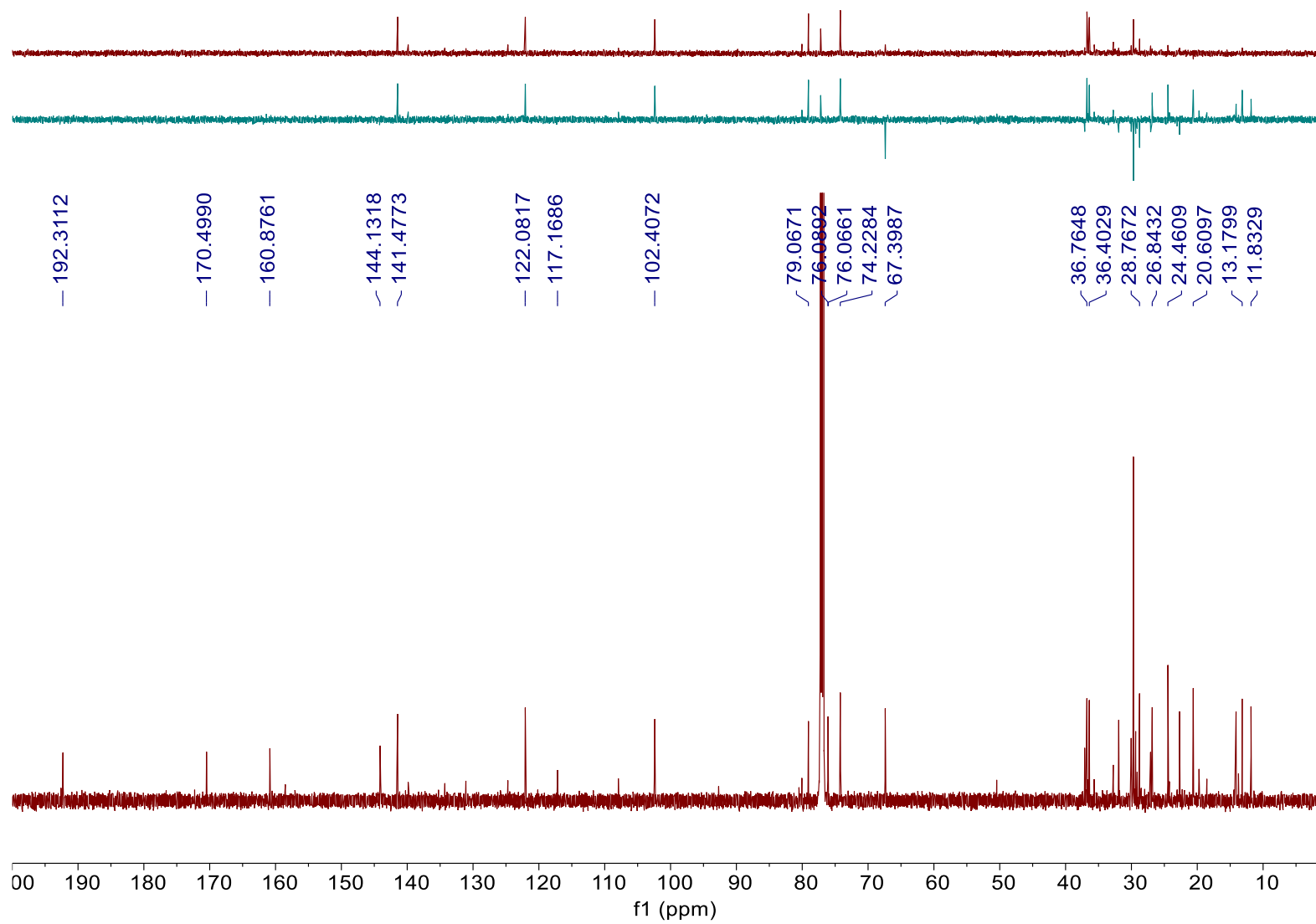


Figure S9 COSY spectrum of **2**

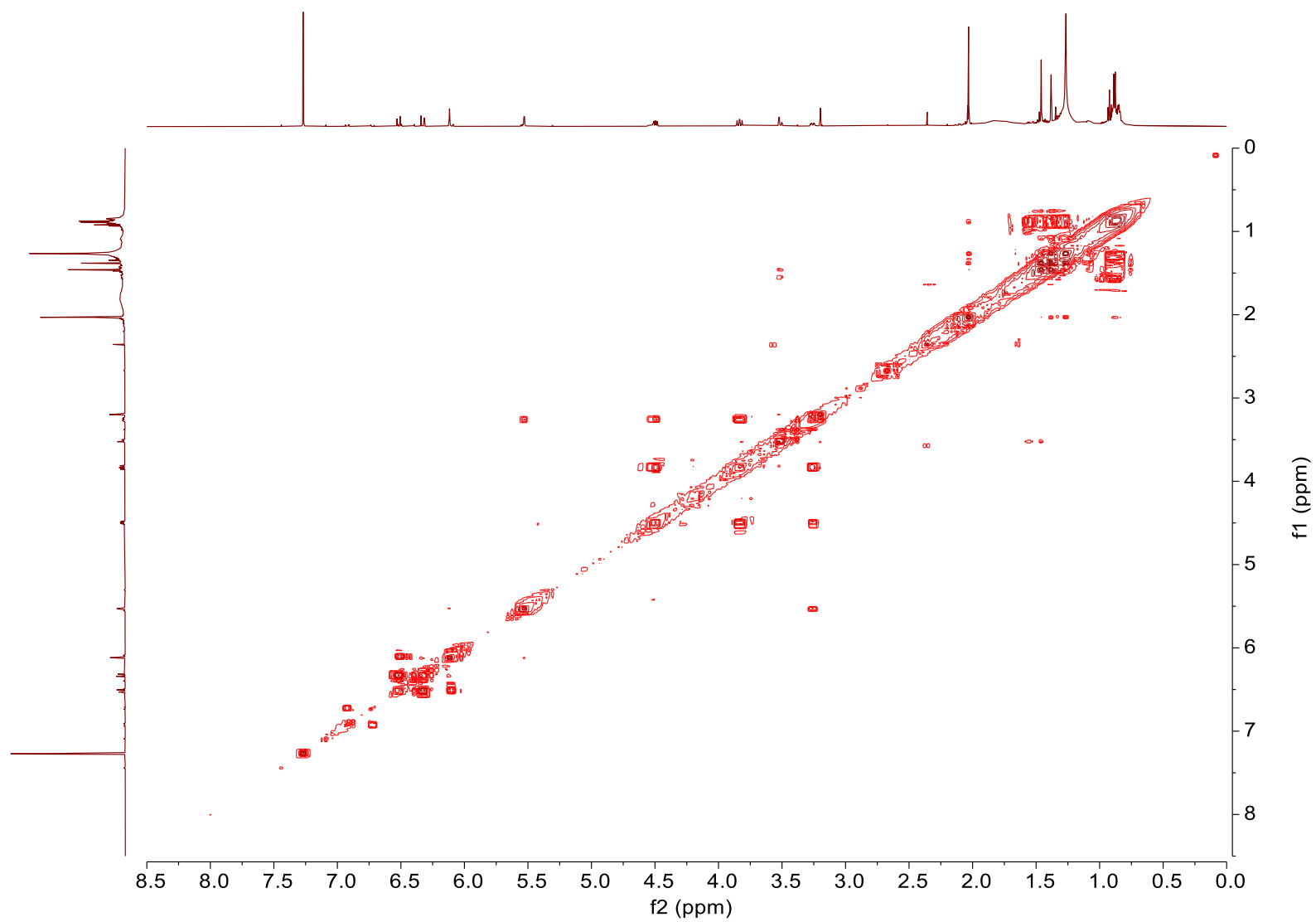


Figure S10 HSQC spectrum of 2

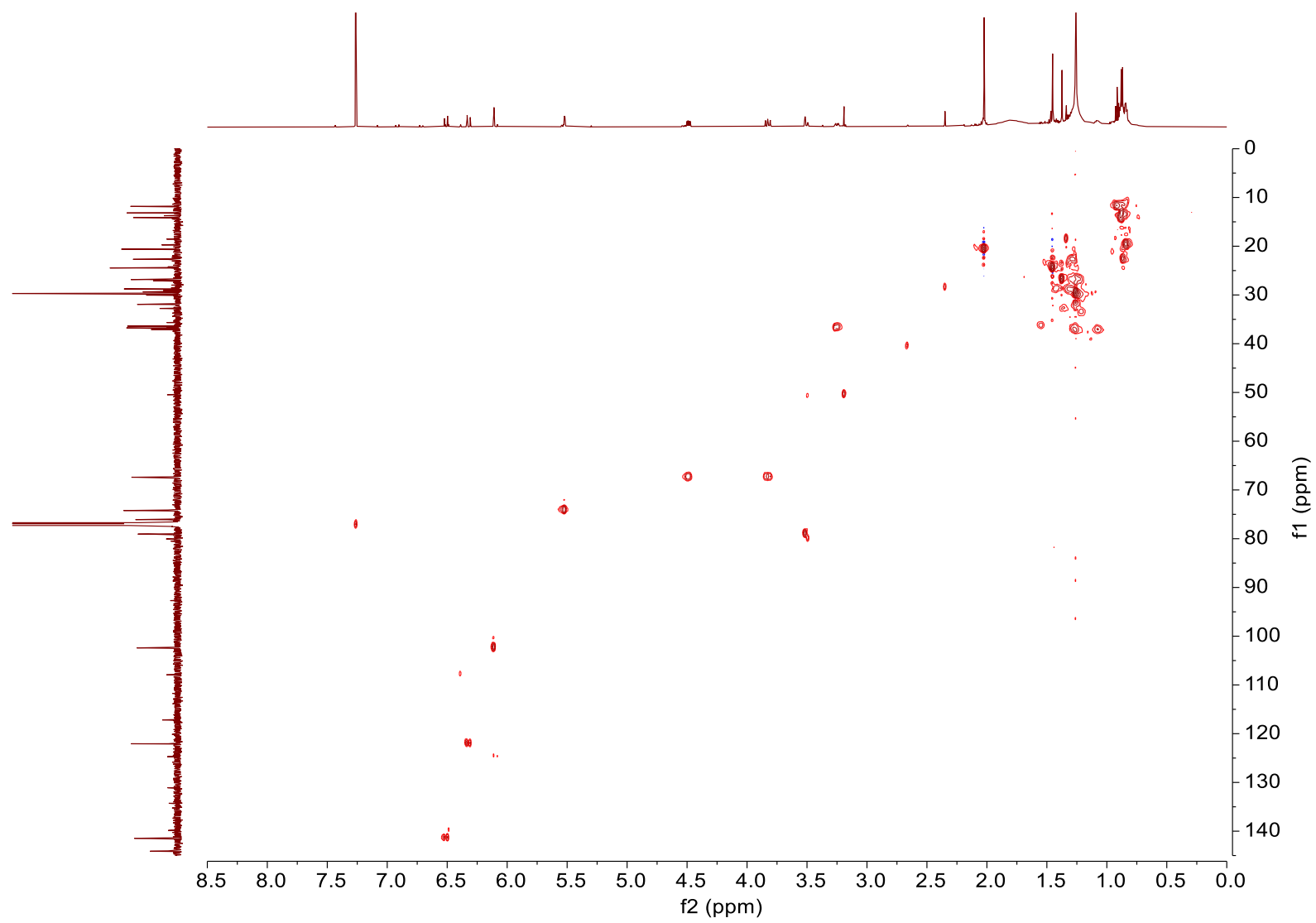


Figure S11 HMBC spectrum of **2**

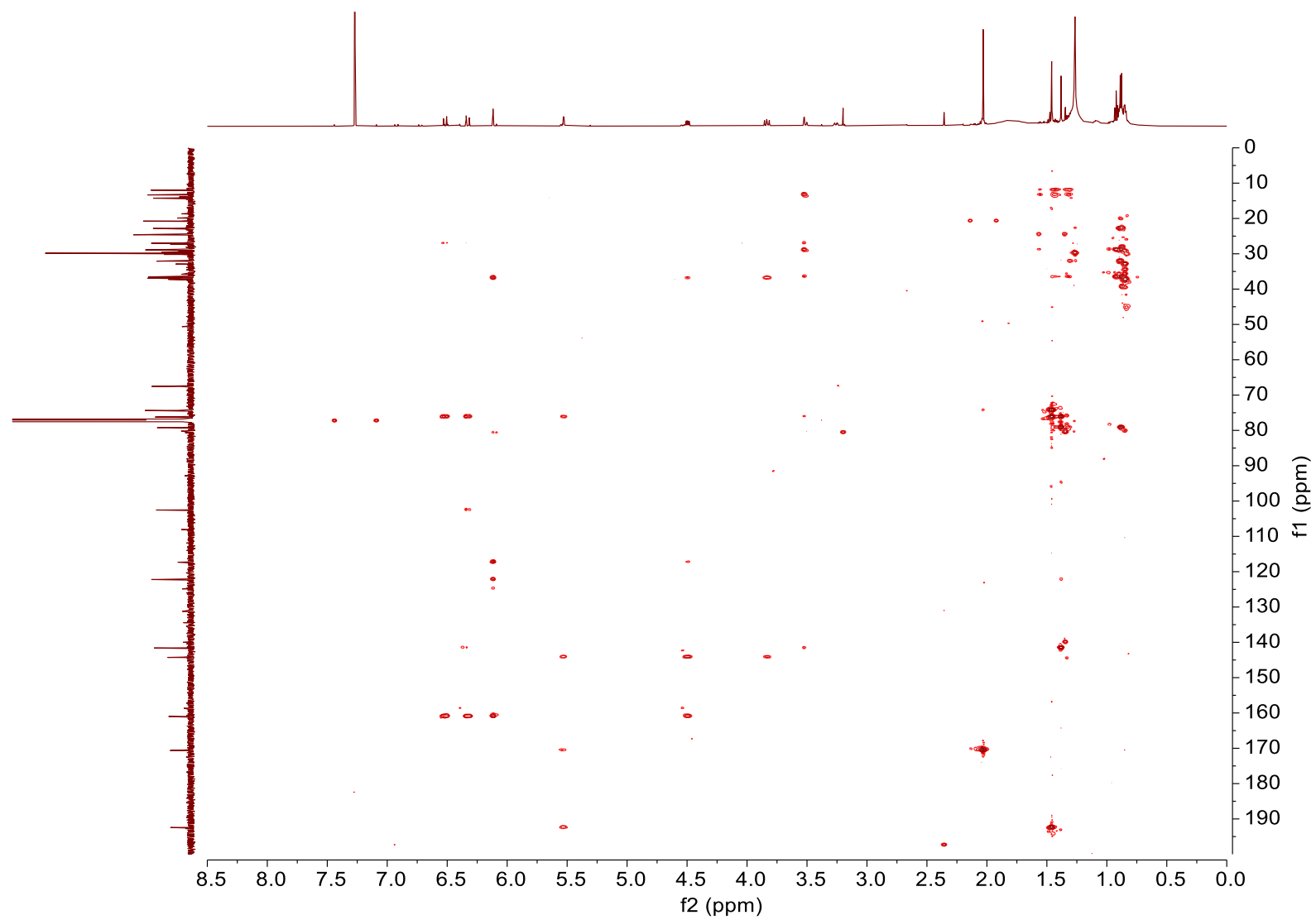


Figure S12 NOESY spectrum of **2**

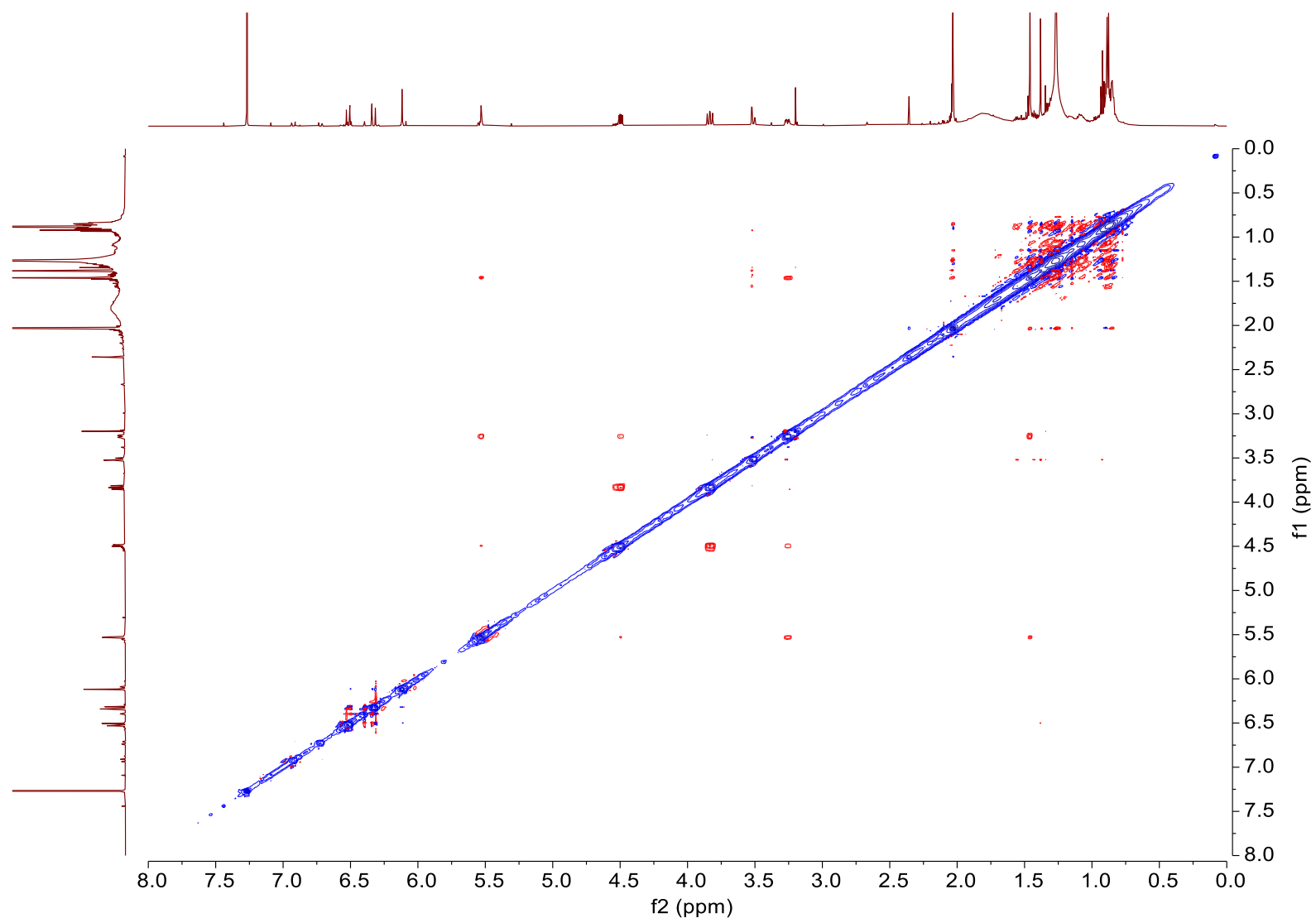


Figure S13 HRESIMS spectrum of **1**

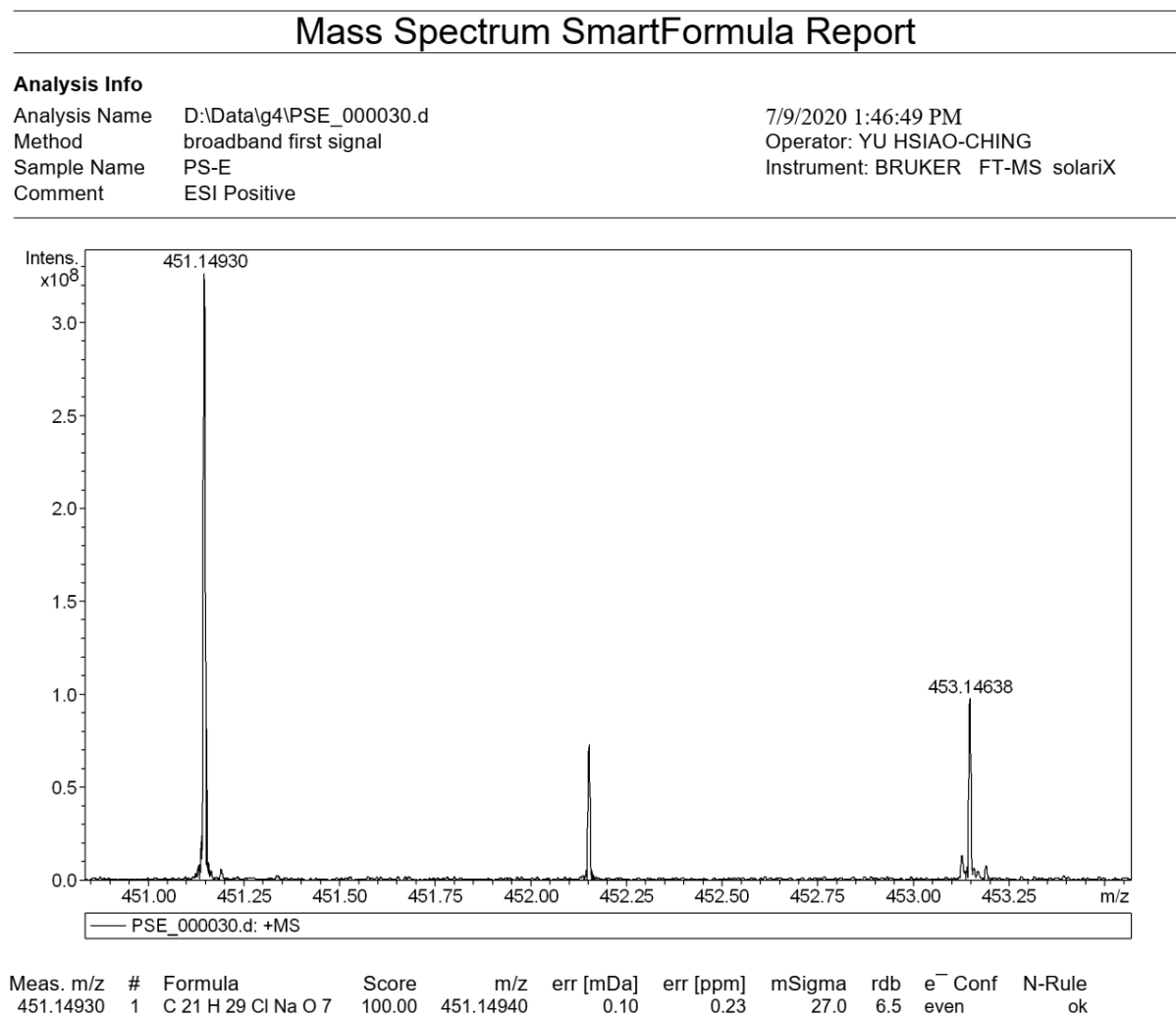


Figure S14 HRESIMS spectrum of **2**

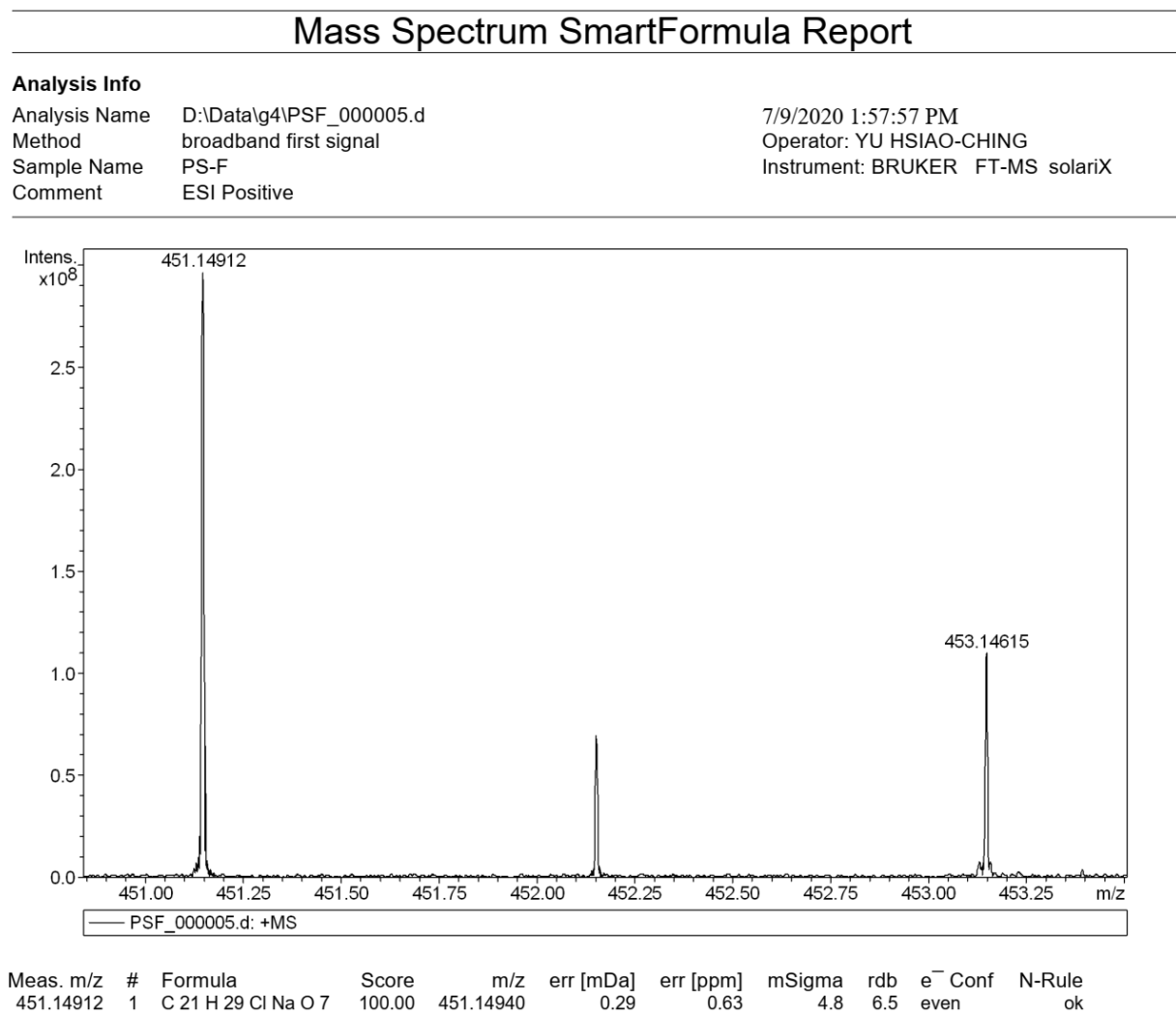
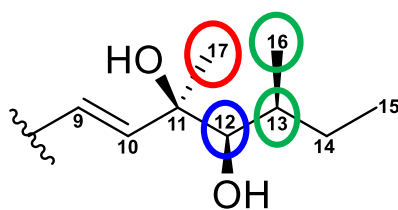
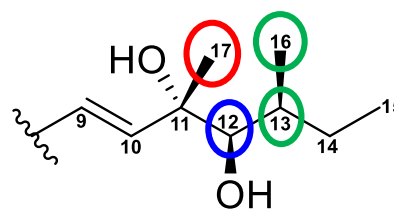


Table S1 the ^1H and ^{13}C data of the sidechain of compounds 1–4

1		3		2		4	
	^1H	^{13}C	^1H	^{13}C	^1H	^{13}C	^{13}C
9	6.30, d (15.5)	112.6	6.24 d, (15.5)	122.6	6.32, d (15.5)	112.2	122.5
10	6.55, d (15.5)	144.5	6.51 d, (15.5)	144.8	6.51, d (15.5)	141.6	141.3
11		76.0		76.1		76.2	76.2
12	3.49, brs	78.5	3.47, brs	78.6	3.52, d (2.0)	79.2	79.4
13	1.70, m	35.5	1.69, m	35.4	1.55, m	36.6	35.7
14	1.33, m 1.41, m	28.8	1.32, m 1.40, m	28.8	1.31, m 1.42, m	28.9	28.9
15	0.92, t (7.0)	12.0	0.90, t (7.3)	12.0	0.91, t (7.4)	12.0	12.0
16	0.97, d (6.8)	13.5	0.98, d (6.7)	13.5	0.88, d (7.0)	13.3	13.4
17	1.32, s	23.7	1.30, s	23.7	1.37, s	27.0	26.7



1 & 3



2 & 4

Figure S15 IR spectrum of **1**

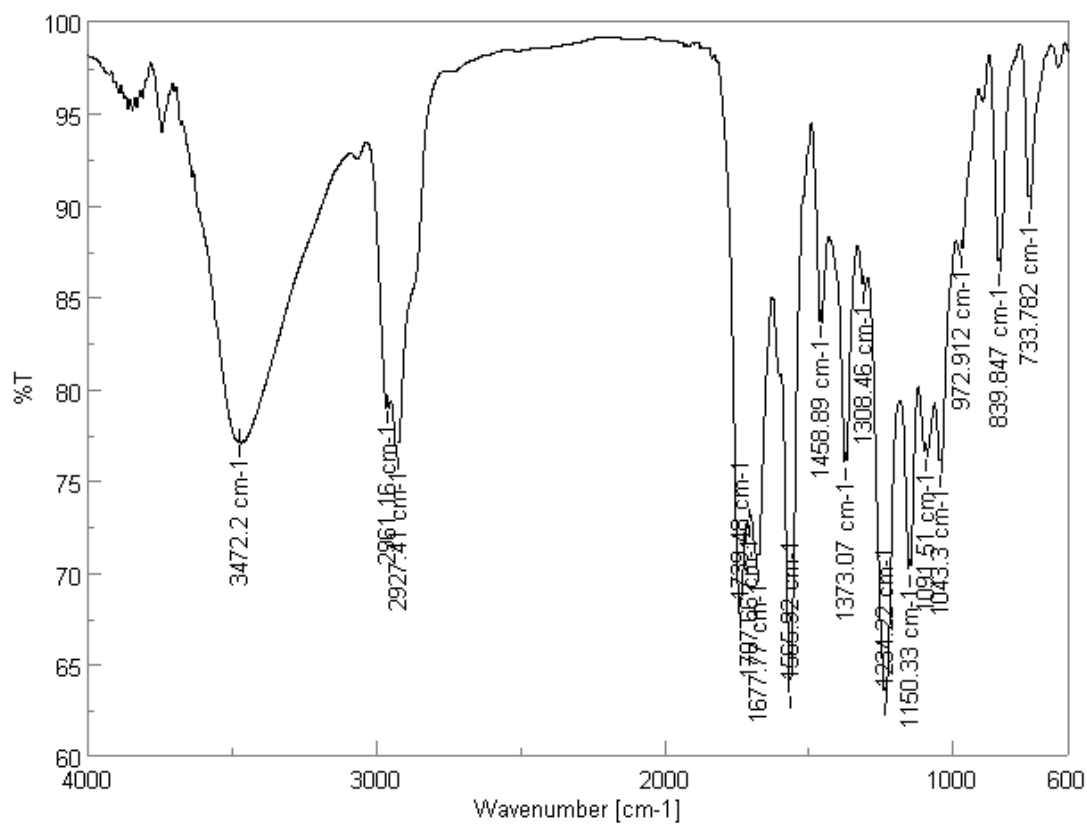


Figure S16 UV spectrum of **1**

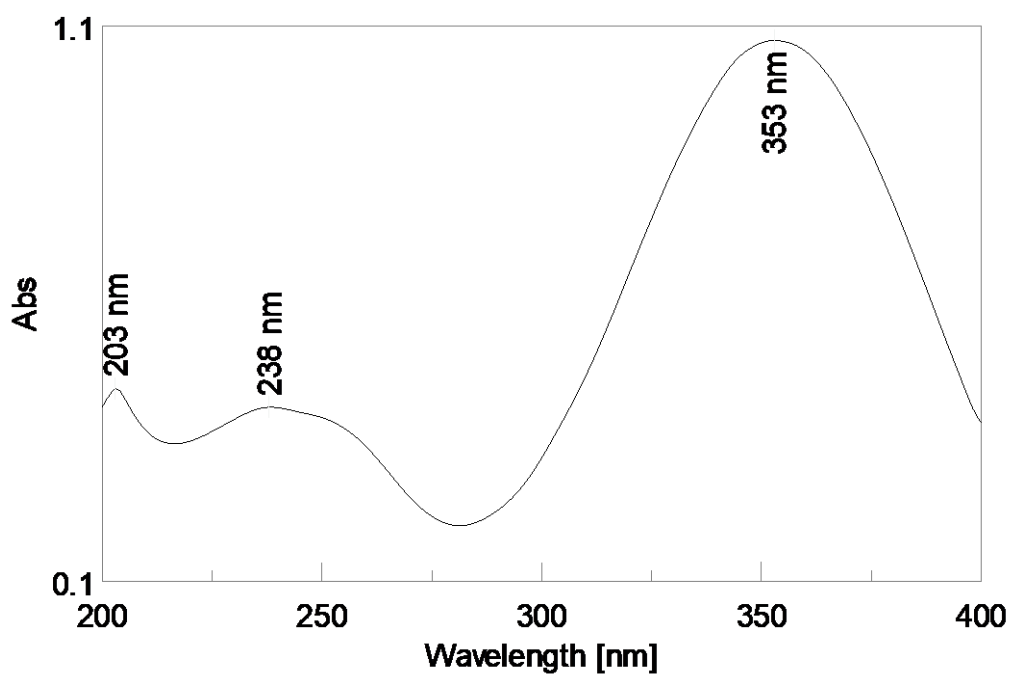


Figure S17 IR spectrum of **2**

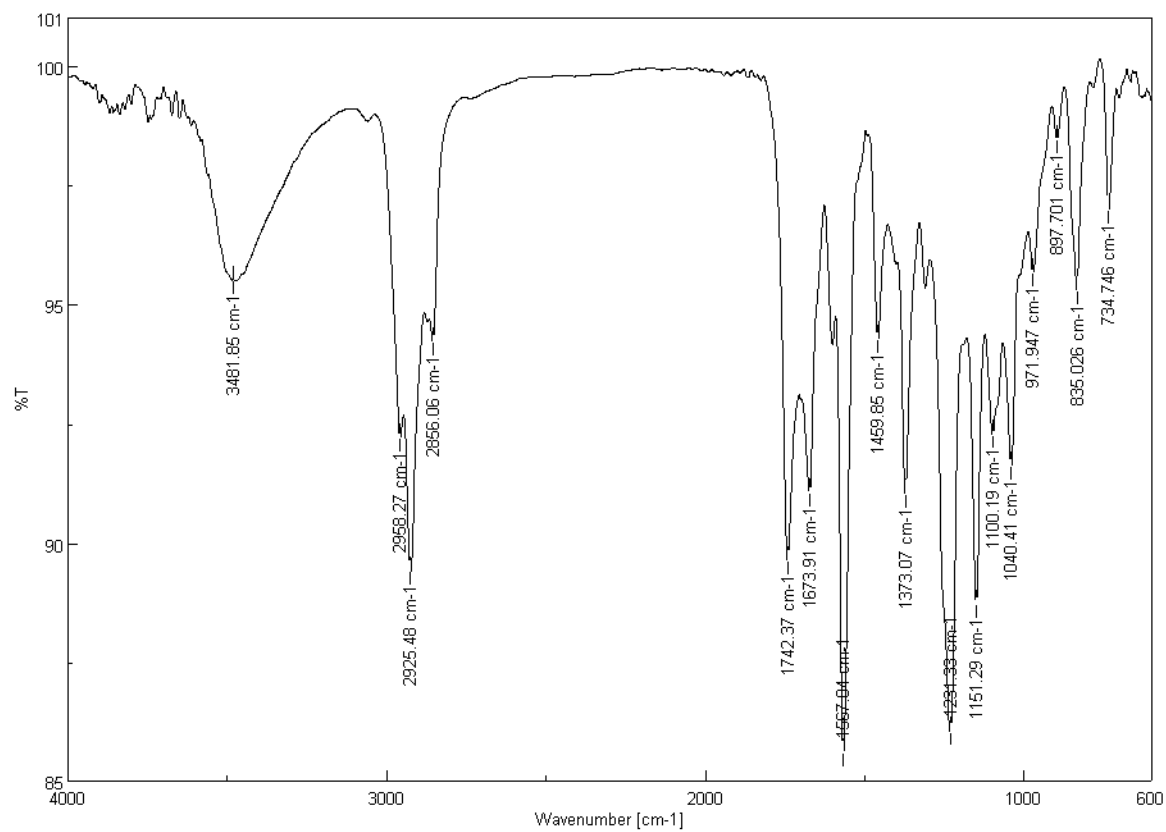


Figure S18 UV spectrum of **2**

