

Table S1. NMR spectroscopic data for compounds **1** and **2**.

Position	1		2	
	δ_{C} , mult ^a	δ_{H} , mult (<i>J</i> in Hz) ^b	δ_{C} , mult ^a	δ_{H} , mult (<i>J</i> in Hz) ^b
1	145.2, C		164.3, C	
2	124.8, CH	7.00, br d (2.2)	108.0, CH	6.51, d (2.4)
3	162.0, C		165.1, C	
4	112.2, CH	7.45, br d (2.2)	108.1, CH	7.06, d (2.4)
4a	137.7, C		135.7, C	
5	181.8, C		180.9, C	
5a	128.0, C		127.8, C	
6	120.2, CH	7.75, s	121.5, CH	7.79, s
6a	138.8, C		139.9, C	
7	106.4, CH	6.84, br d (1.8)	111.6, CH	7.09, br d (1.9)
8	162.2, C		159.8, C	
9	104.7, CH	6.51, br d (1.8)	123.4, C	6.91, br d (1.9)
10	157.8, C		141.4, C	
10a	109.7, C		119.4, C	
11	158.0, C		166.1, C	
11a	106.1, C		106.5, C	
12	185.4, C		188.3, C	
12a	122.6, C		109.6, C	
13	23.9, CH ₃	2.70, s	24.5, CH ₃	2.75, s

^a500 MHz, DMSO-*d*₆. ^b125 MHz, DMSO-*d*₆.

Compound **2** (tetracenomyacin D): ^1H and ^{13}C NMR data, see Table S1; ESI-MS: m/z 337.0 $[\text{M}+\text{H}]^+$.

Compound **3** (resistoflavin); ^1H NMR (500 MHz, $\text{DMSO}-d_6$): δ 13.35 (OH), 12.63 (OH), 12.35 (OH), 7.29 (OH), 6.97 (1H, s, H-8), 6.52 (1H, s, H-4), 6.47 (1H, s, H-11), 2.76 (3H, s, H-14), 1.61 (3H, s, H-12), 1.54 (3H, s, H-13); ^{13}C NMR (500 MHz, $\text{DMSO}-d_6$): δ 203.6 (C-2), 189.2 (C-6), 183.7 (C-10), 168.4 (C-5 and C-7), 163.9 (C-3), 156.6 (C-11a), 150.1 (C-9), 149.5 (C-11c), 148.4 (C-11d), 127.7 (C-11), 121.2 (C-8), 120.5 (C-9a), 111.6 (C-6a), 108.6 (C-5a), 107.6 (C-2a), 104.4 (C-4), 62.0 (C-11b), 46.7 (C-1), 31.2 (C-12), 24.4 (C-13), 23.7 (C-14); ESI-MS: m/z 393.0 $[\text{M}+\text{H}]^+$.

Compound **4** (resitomyacin); ^1H NMR (500MHz, $\text{DMSO}-d_6$): δ 1.55 (6H, s, Me-1), 2.88 (3H, s, Me-9), 6.32 (1H, s, H-4), 6.98 (1H, s, H-8), 7.24 (1H, s, H-11), 11.94 (1H, s, OH-10), 13.98 (1H, s, OH-5), 14.33 (1H, s, OH-3), 14.48 (1H, s, OH-7); ^{13}C NMR (125 MHz, $\text{DMSO}-d_6$): δ 26.0 (Me-9), 28.8 (Me-1), 46.3 (C-1), 100.5 (C-4), 102.8 (C-2a), 106.1 (C-5a), 107.0 (C-6a), 107.3 (C-11b), 110.5 (C-11), 114.4 (C-9a), 119.6 (C-8), 129.0 (C-9b), 139.9 (C-11c), 152.4 (C-9), 152.9 (C-11a), 163.7 (C-10), 168.2 (C-7), 170.1 (C-5), 170.6 (C-3), 179.2 (C-6), 205.2 (C-2). ESI-MS: m/z 377.0 $[\text{M}+\text{H}]^+$.

Figure S2. ^1H NMR data of mersaquinone (**1**), 500 MHz, $\text{DMSO-}d_6$.

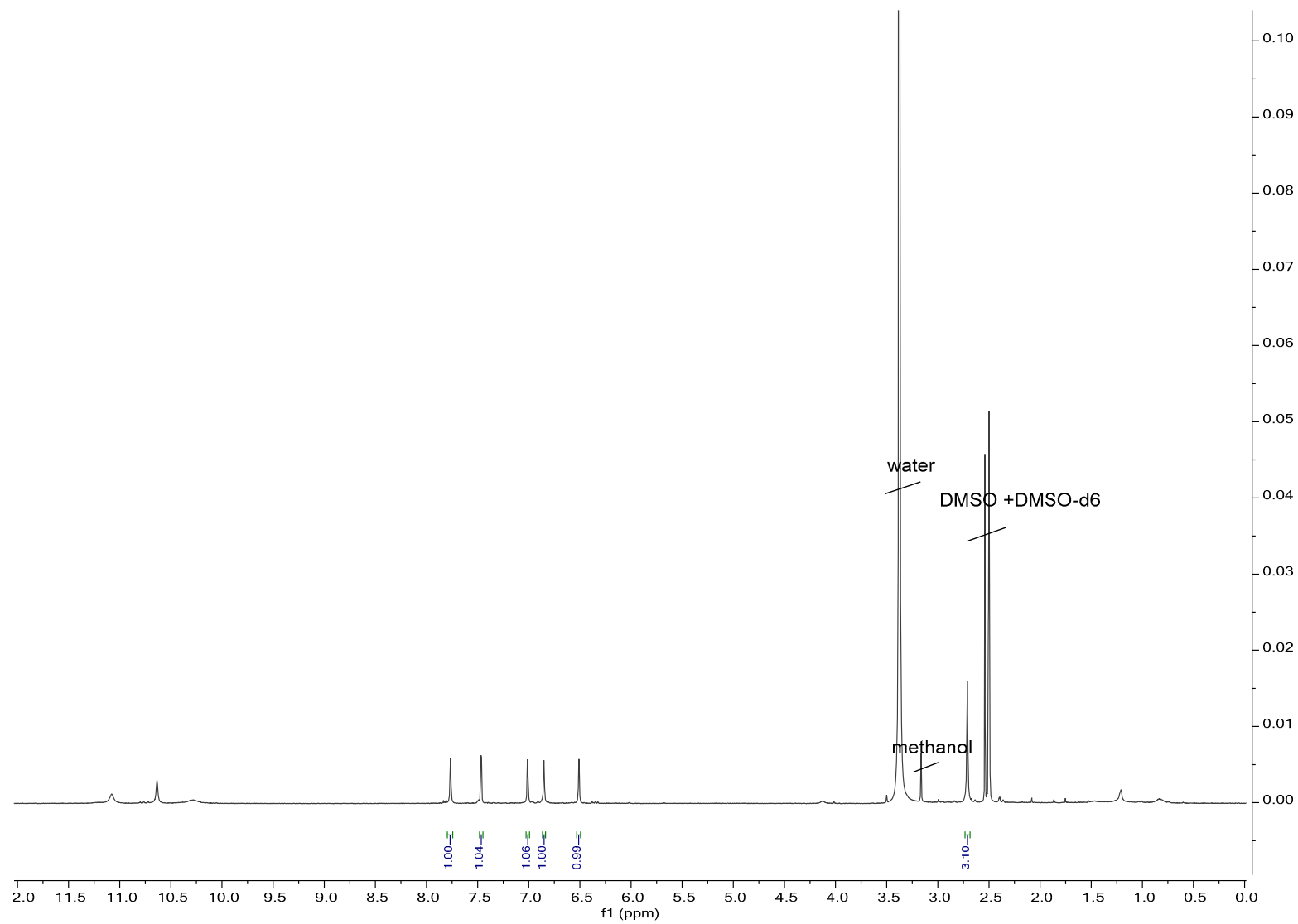


Figure S3. ^{13}C NMR data of mersaquinone (**1**), 125 MHz, $\text{DMSO-}d_6$.

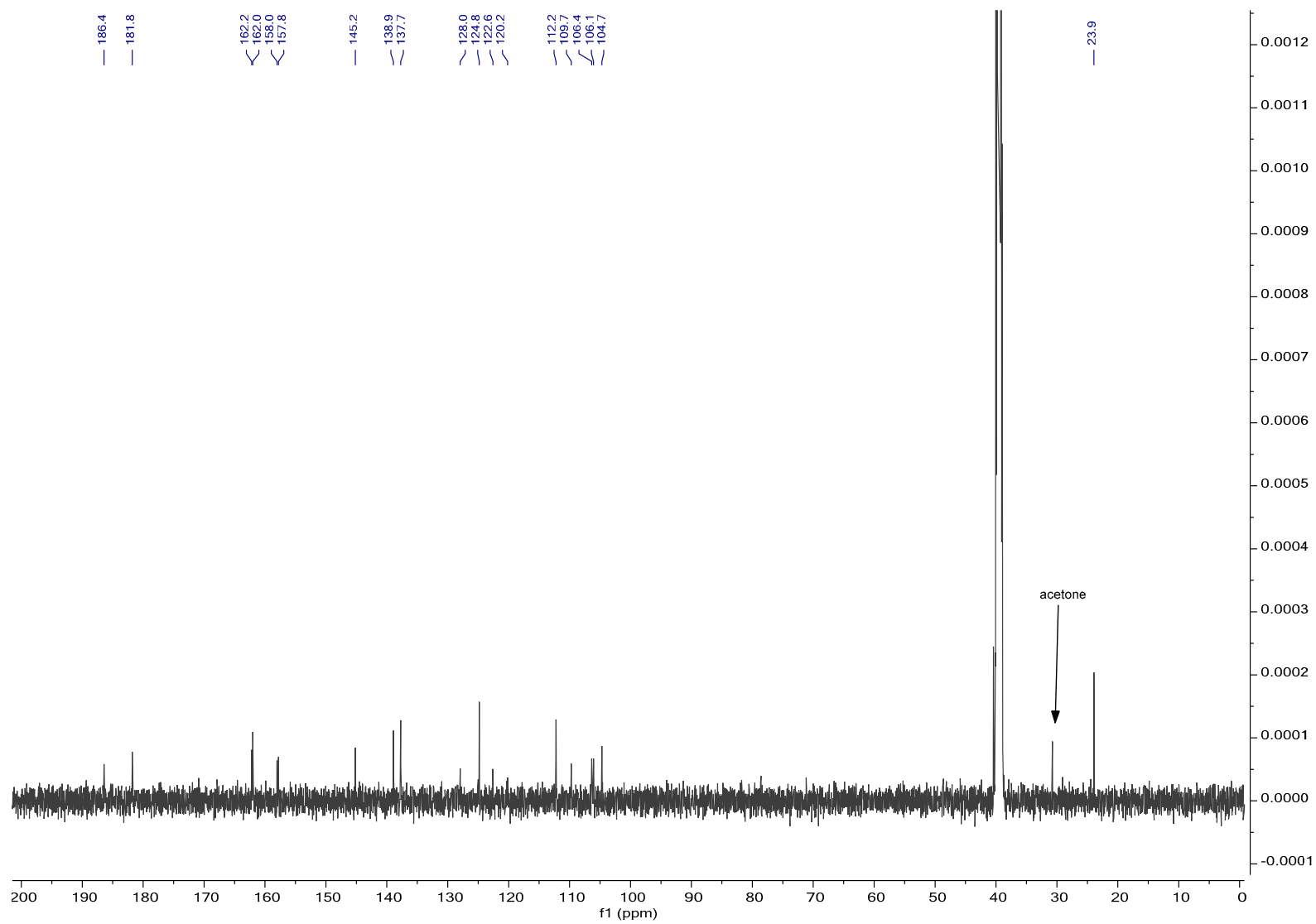


Figure S4. gHSQC NMR data of mersaquinone (**1**), 500 MHz, DMSO-*d*₆.

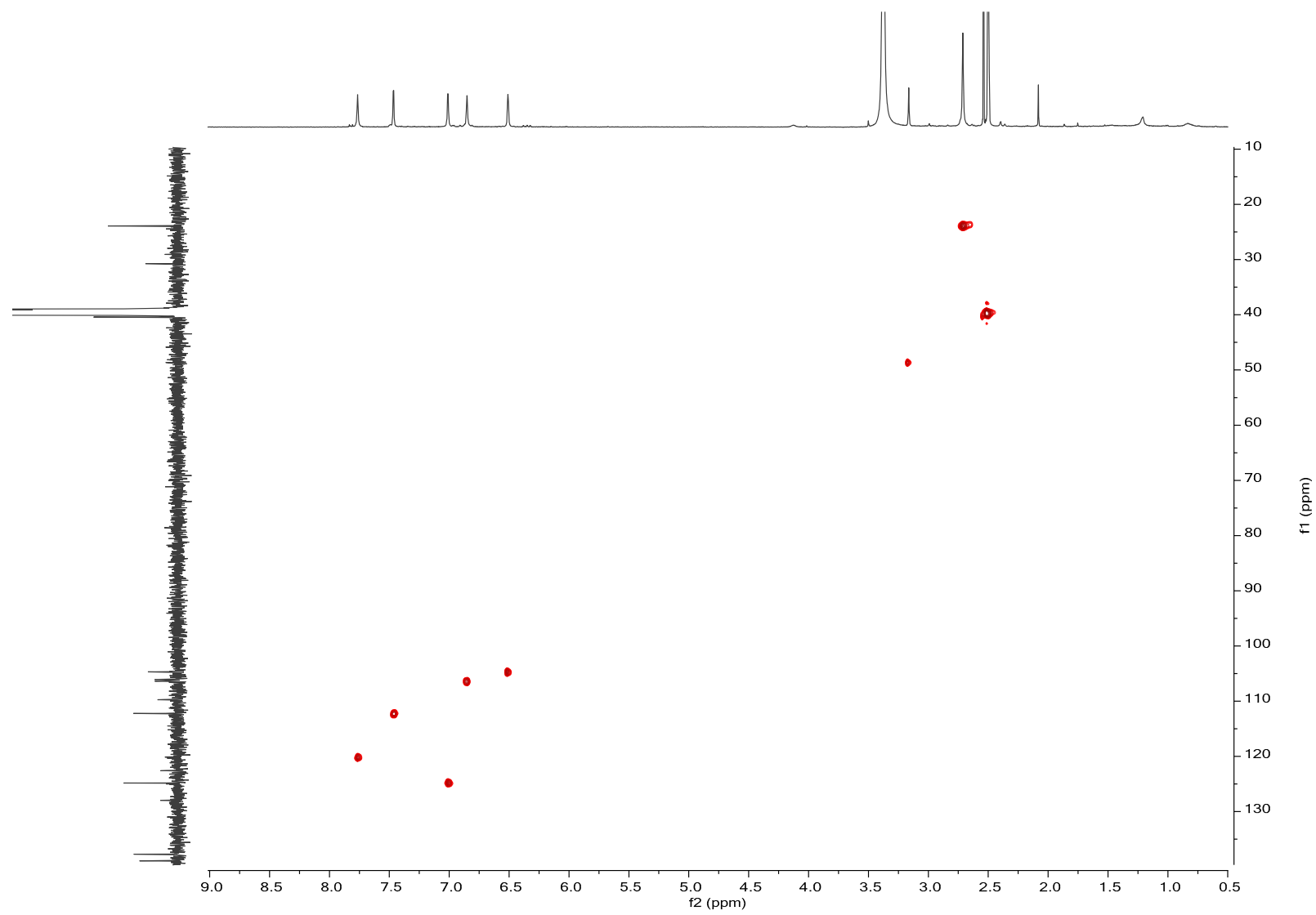


Figure S5. ^1H - ^1H COSY NMR data of mersaquinone (**1**), 500 MHz, $\text{DMSO-}d_6$.

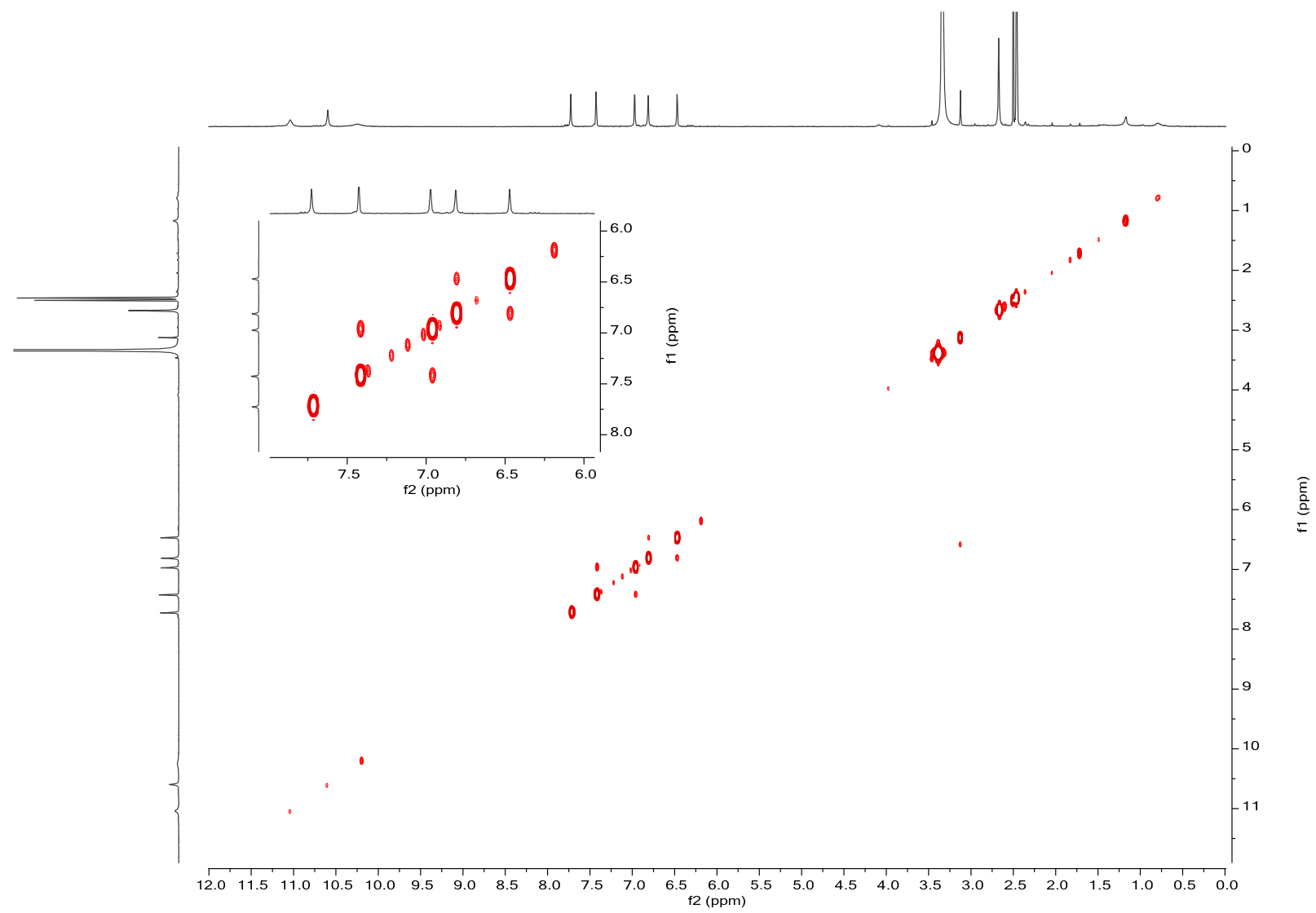


Figure S6. gHMBC NMR data of mersaquinone (**1**), 500 MHz, DMSO-*d*₆.

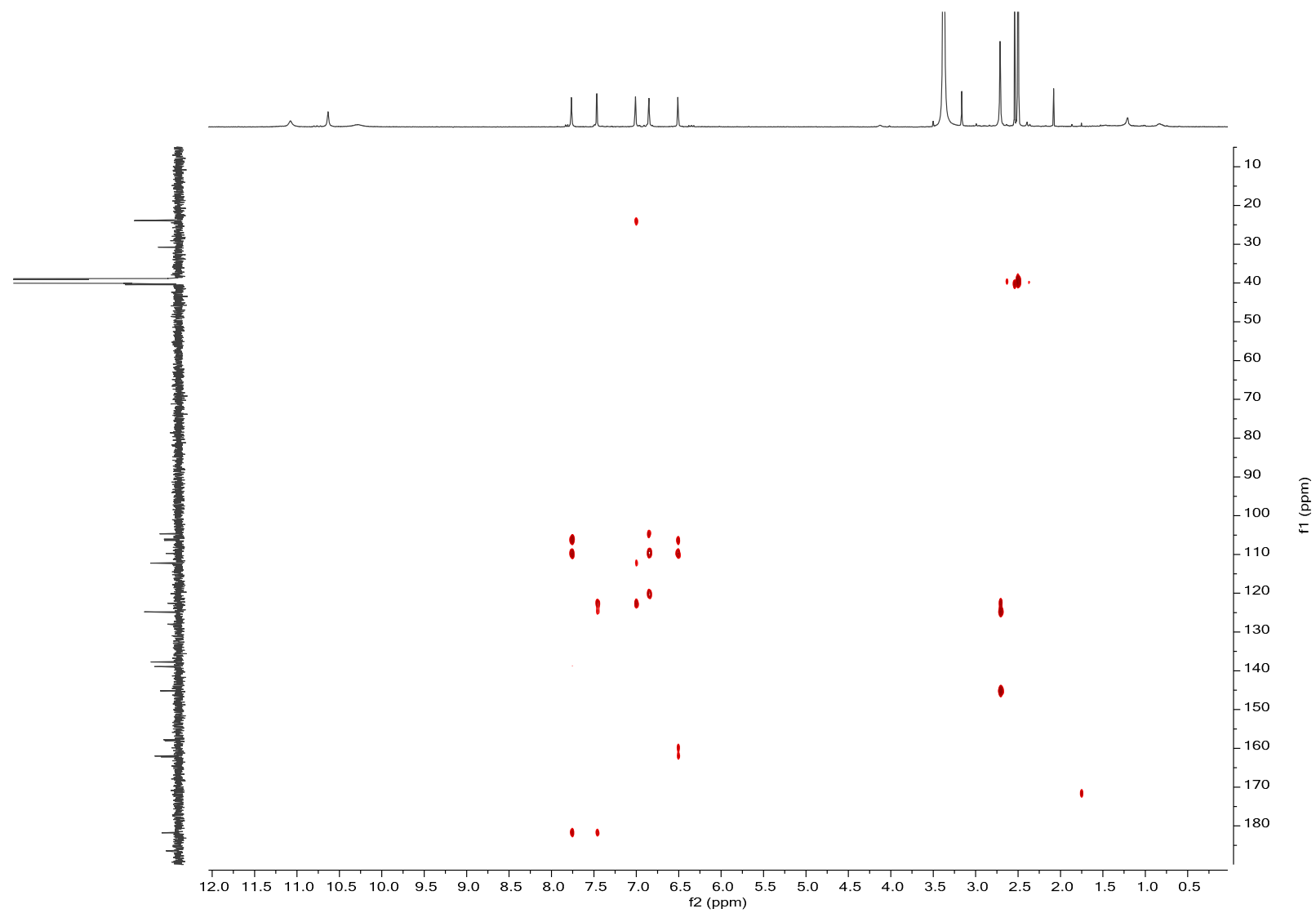


Figure S7. ^1H NMR data of compound **2**, 500 MHz, $\text{DMSO-}d_6$.

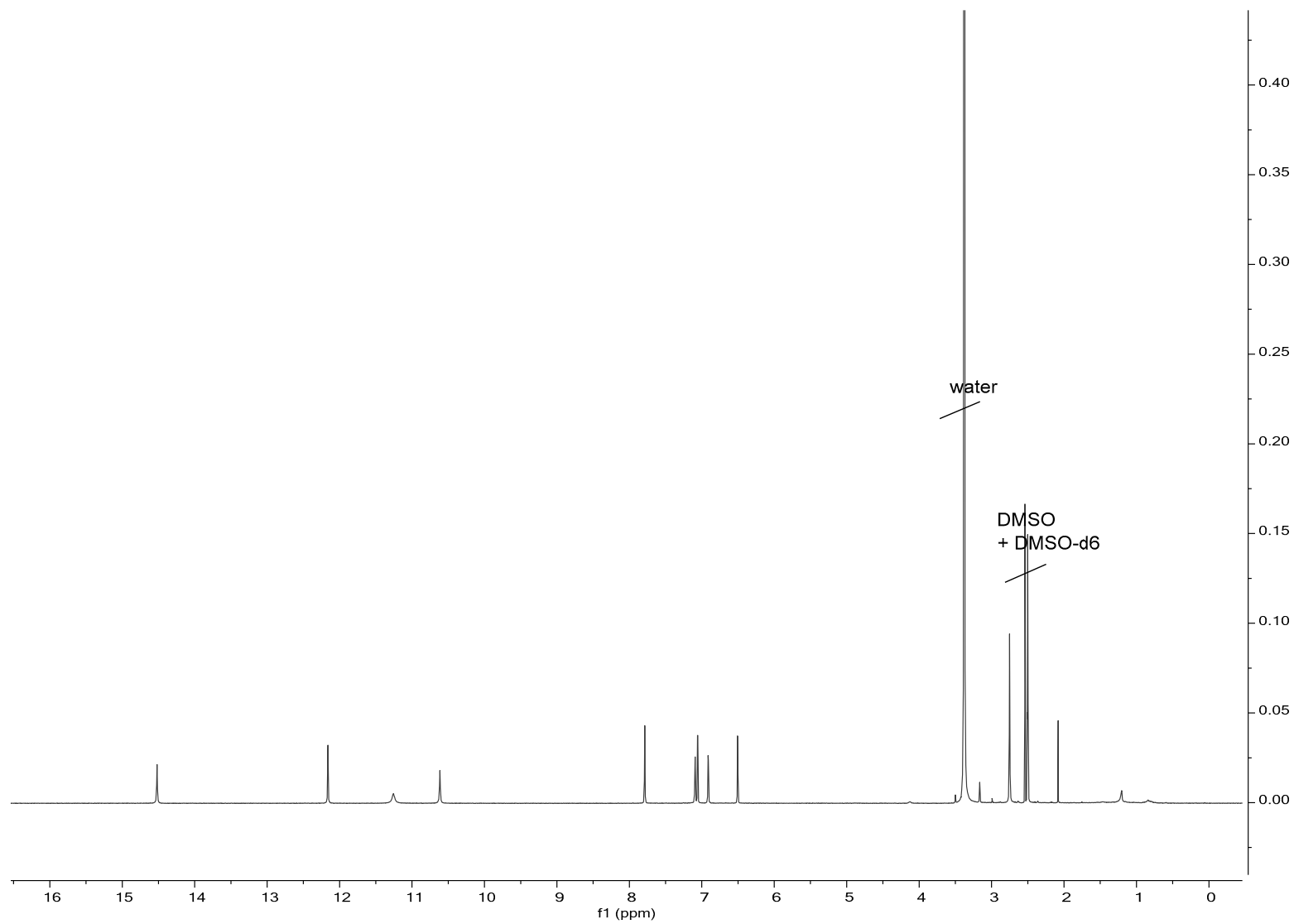


Figure S8. ^{13}C NMR data of compound **2**, 125 MHz, $\text{DMSO-}d_6$.

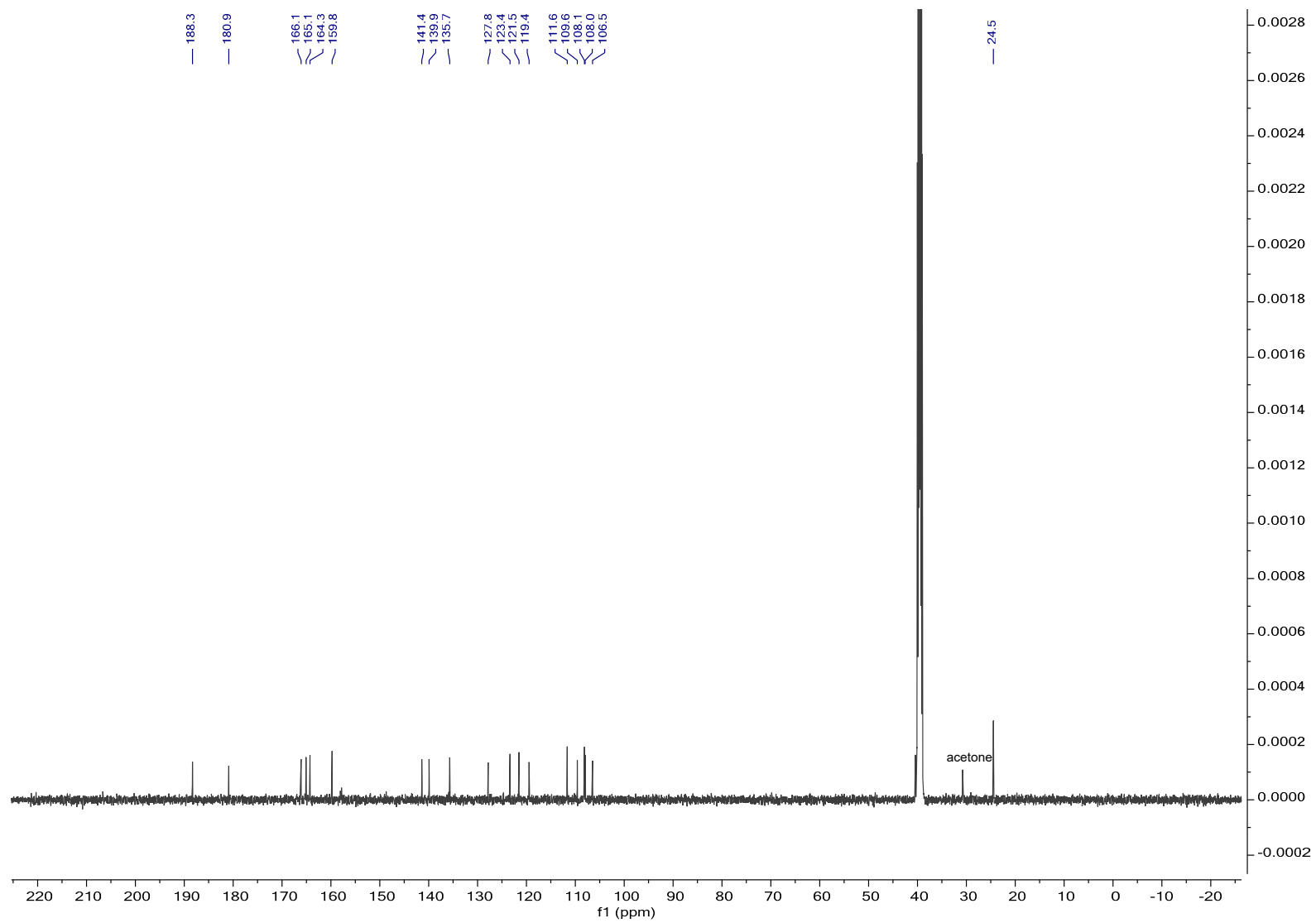


Figure S9. ^1H - ^1H COSY NMR data of compound **2**, 500 MHz, $\text{DMSO-}d_6$.

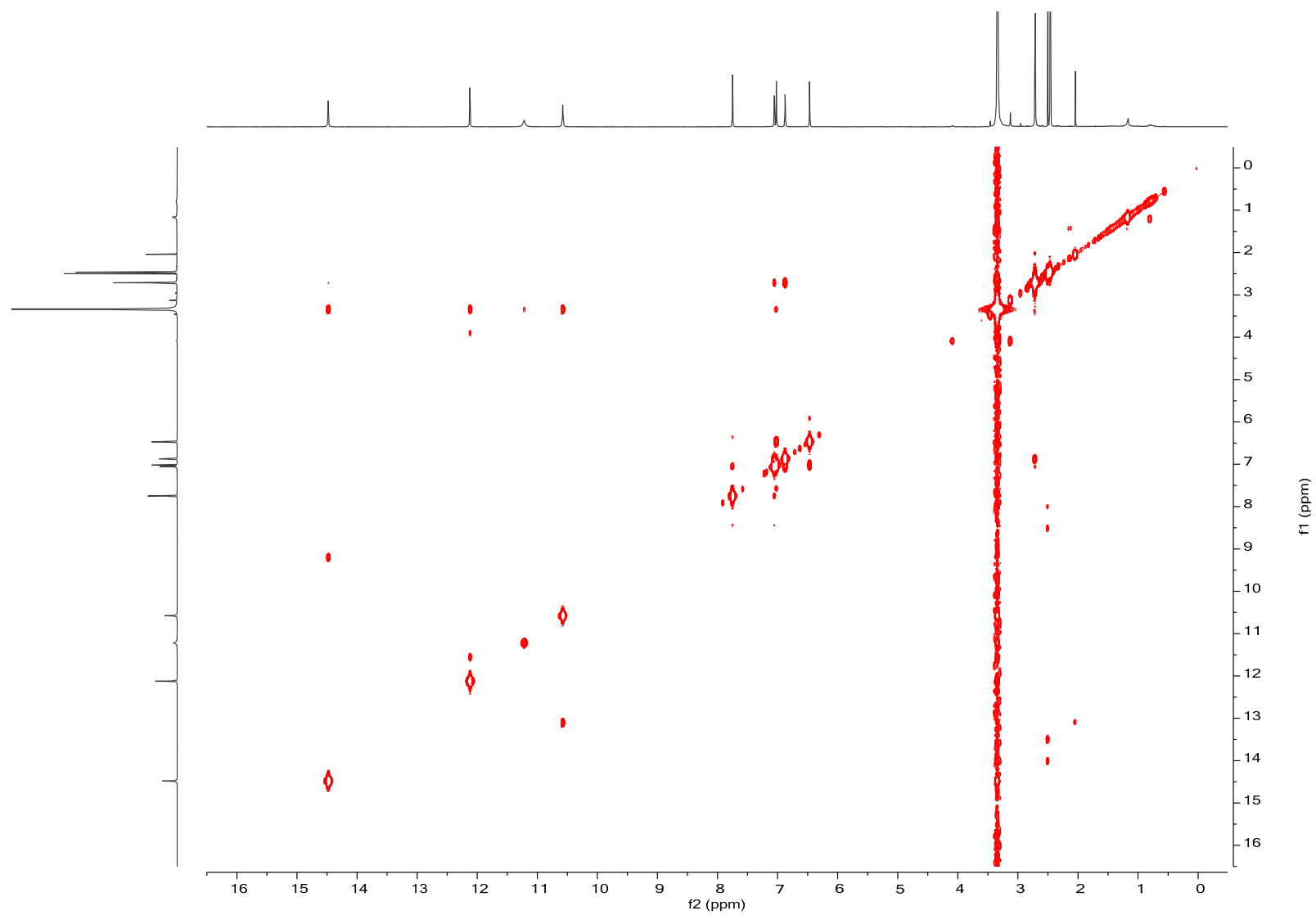


Figure S10. gHSQC NMR data of compound **2**, 500 MHz, DMSO-*d*₆.

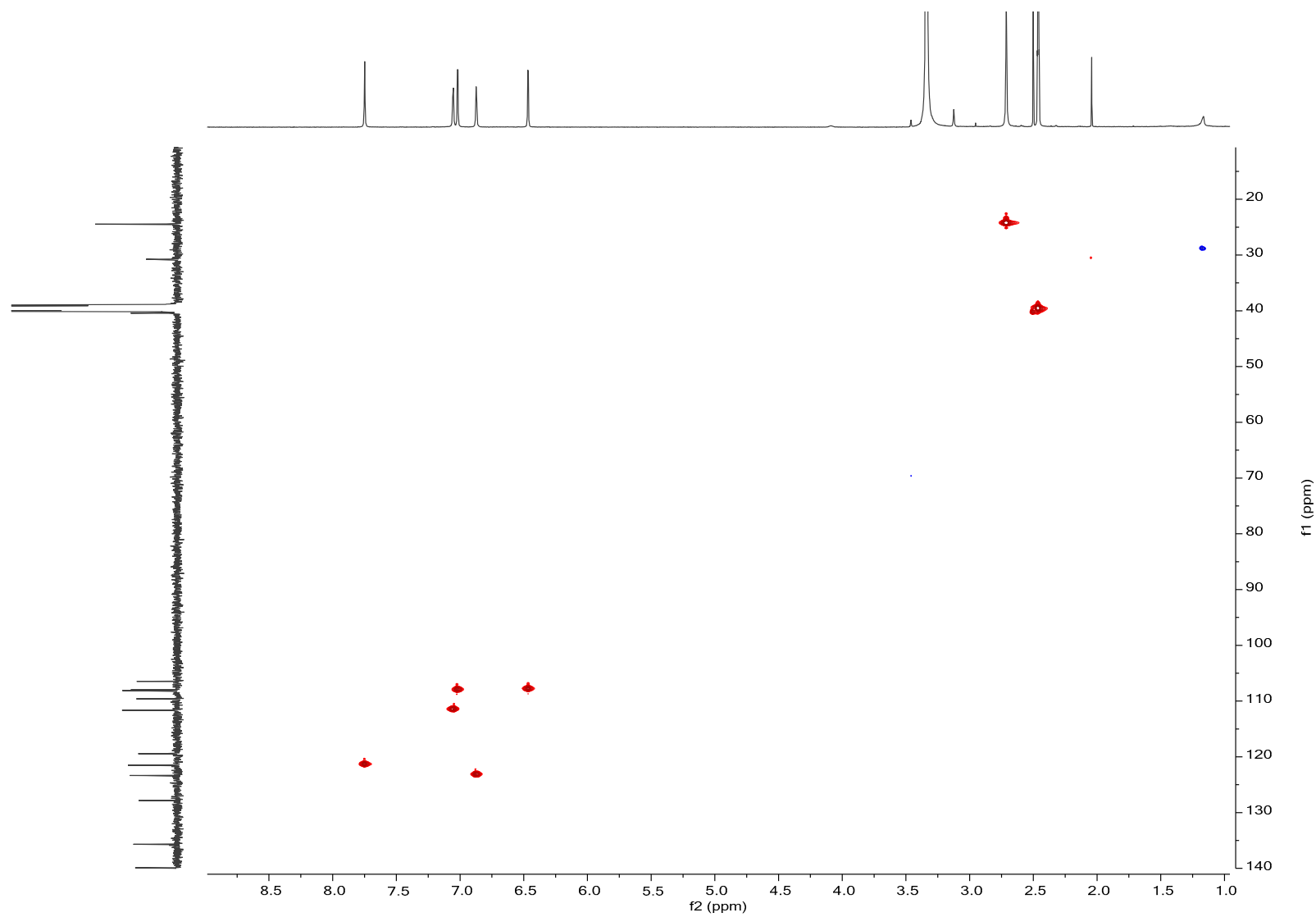


Figure S11. gHMBC NMR data of compound **2**, 500 MHz, DMSO-*d*₆.

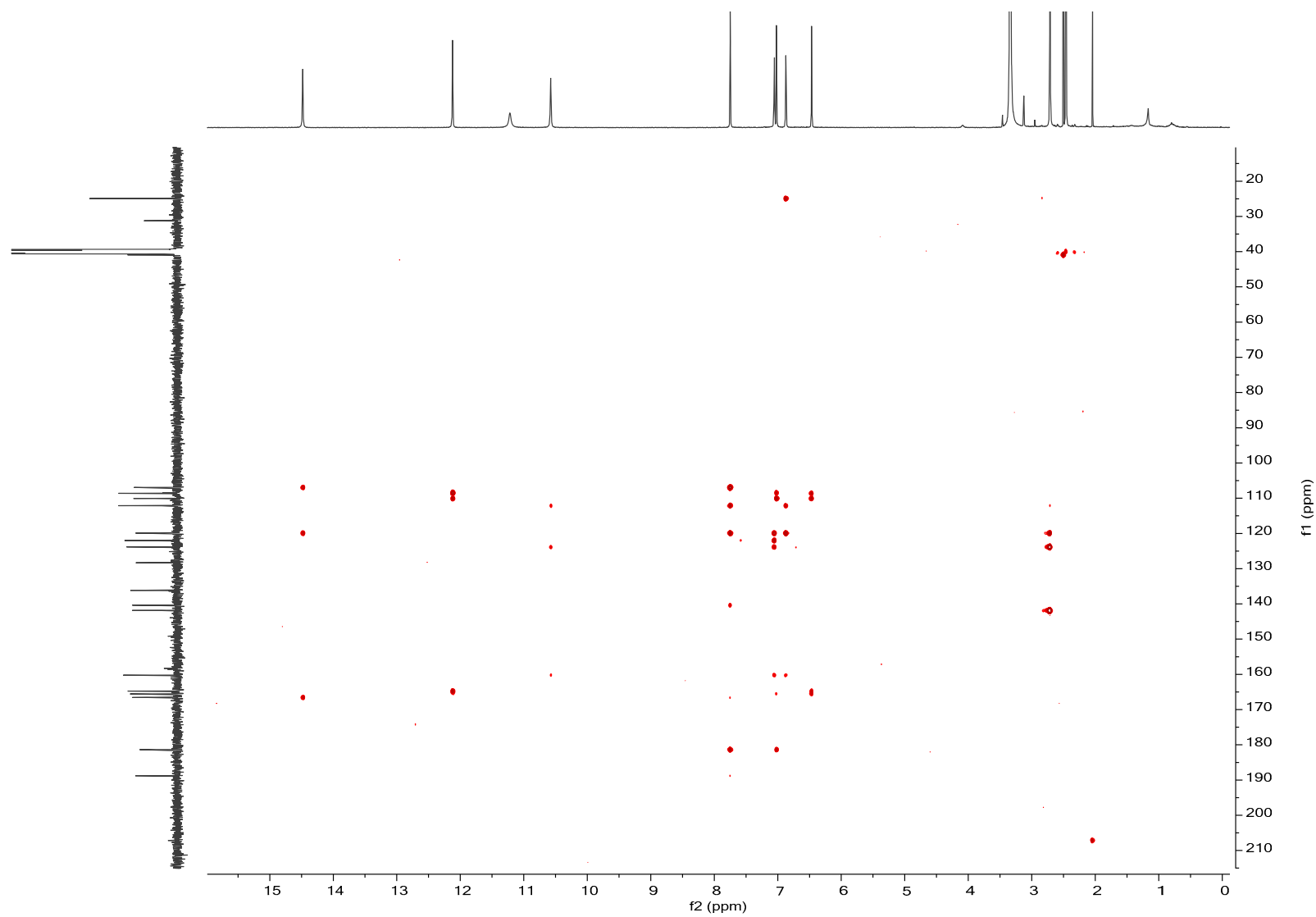


Figure S12. ^1H NMR data of compound **3**, 500 MHz, $\text{DMSO-}d_6$.

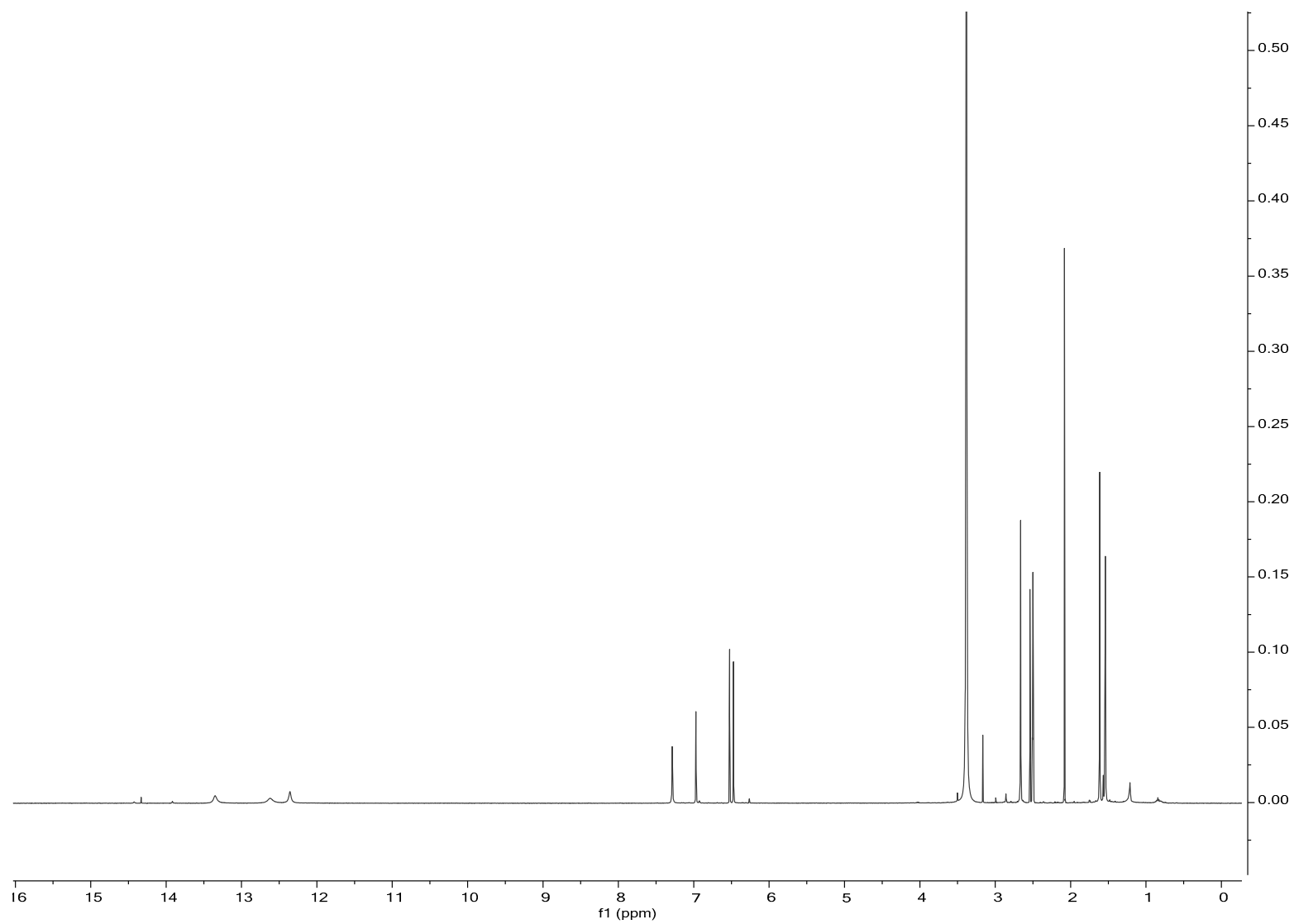


Figure S13. ^{13}C NMR data of compound **3**, 125 MHz, $\text{DMSO-}d_6$.

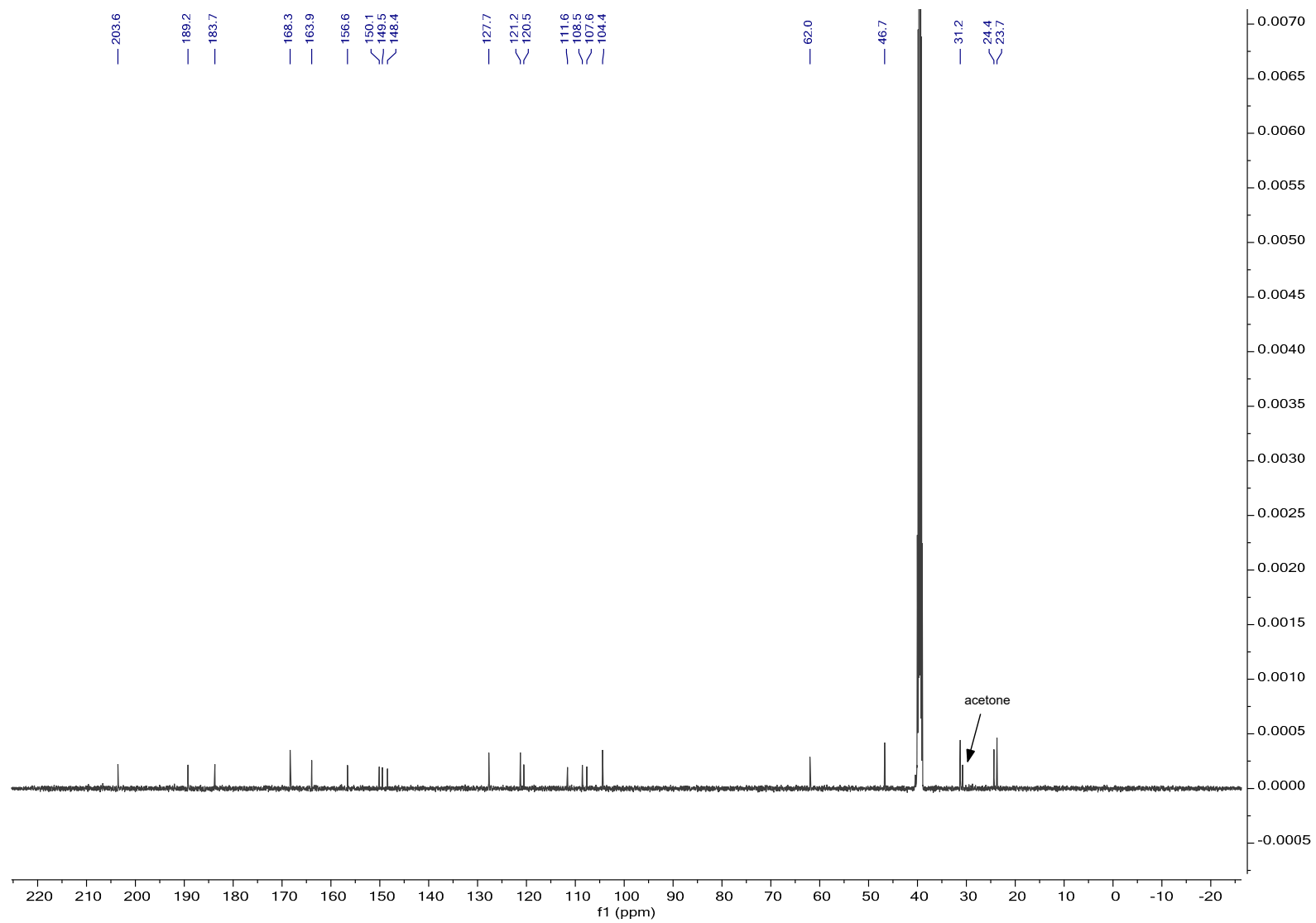


Figure S14. gHSQC NMR data of compound **3**, 500 MHz, DMSO-*d*₆.

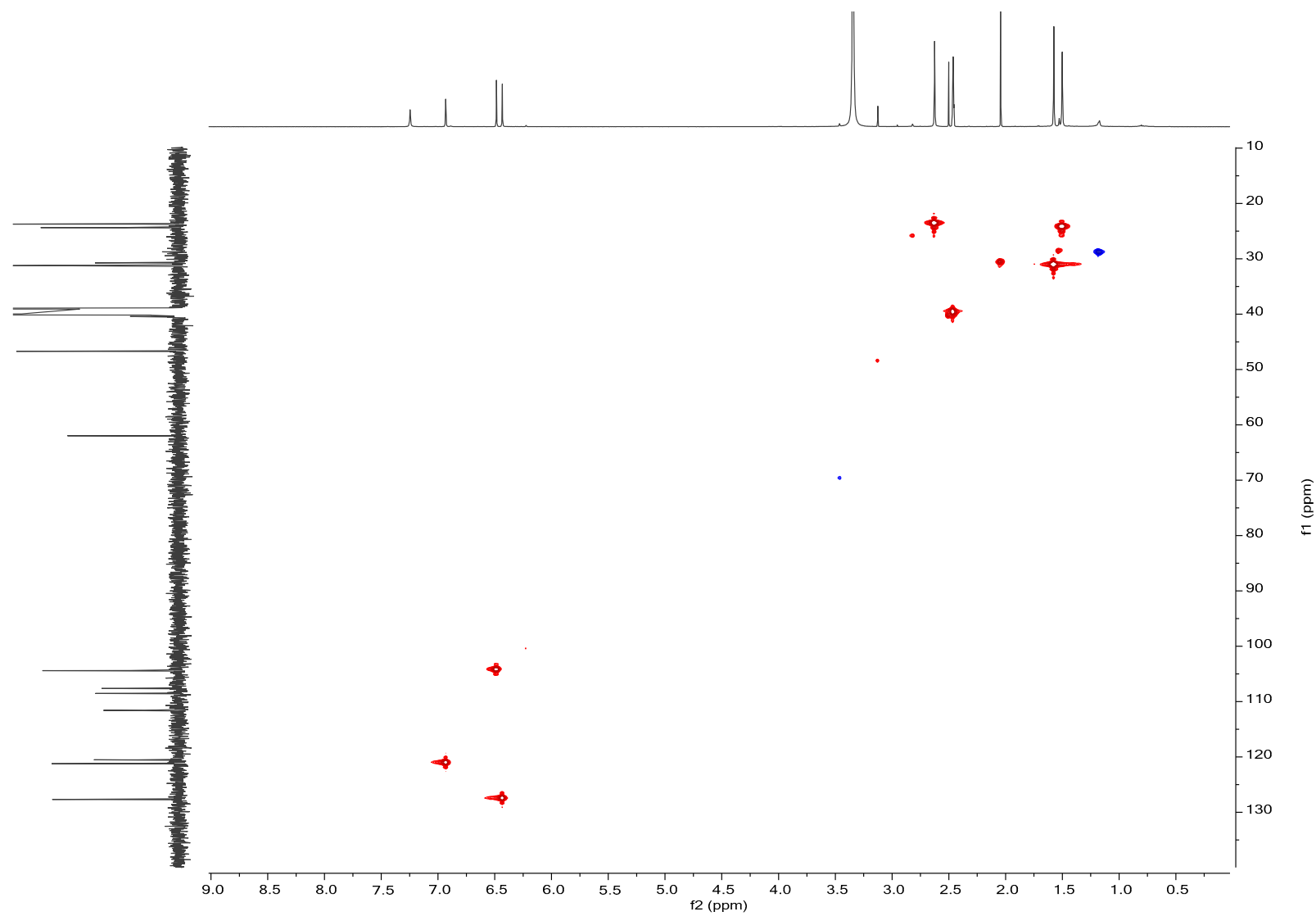


Figure S15. gHMBC NMR data of compound **3**, 500 MHz, DMSO-*d*₆.

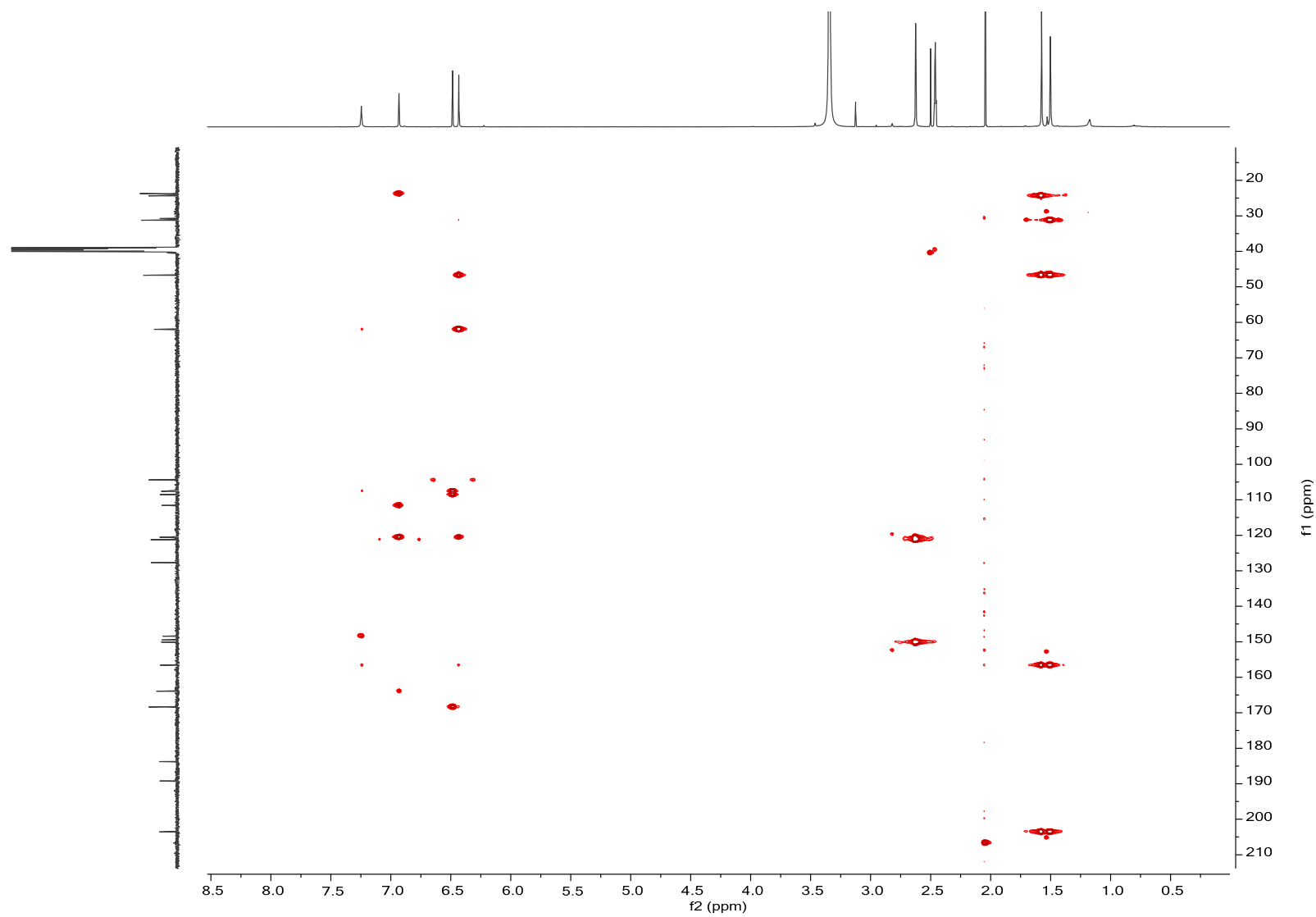


Figure S16. ^1H NMR data of compound **4**, 500 MHz, $\text{DMSO-}d_6$.

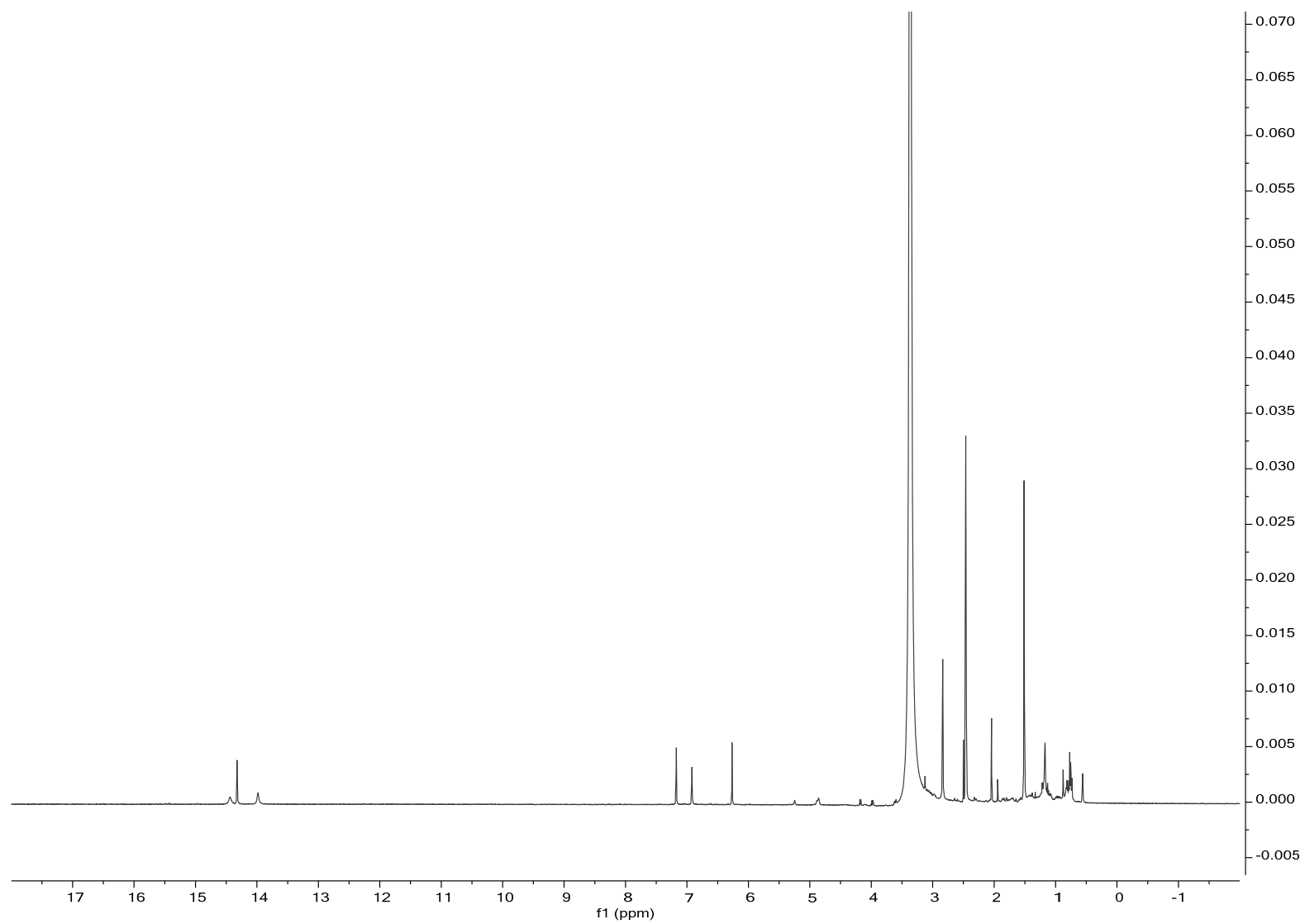


Figure S17. ^{13}C NMR data of compound **4**, 125 MHz, $\text{DMSO-}d_6$.

