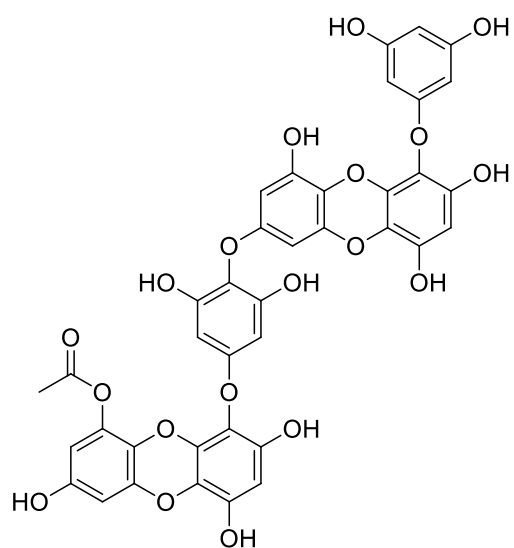
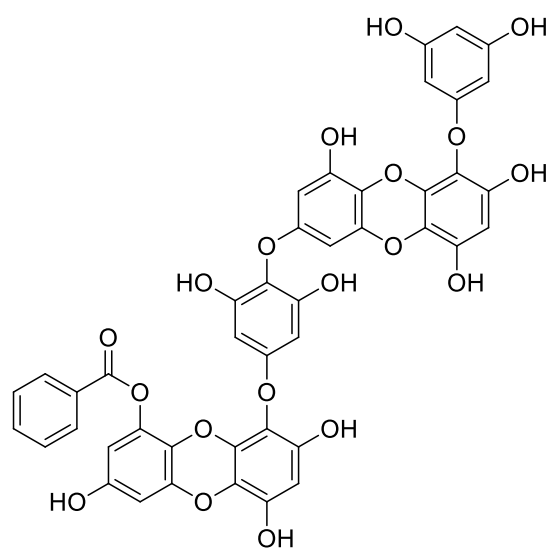


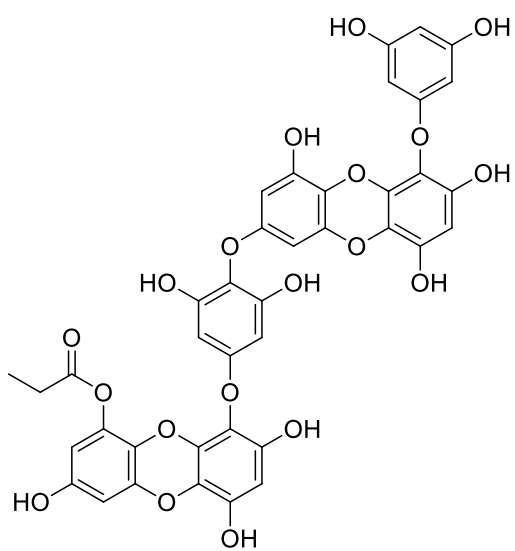
Figure S1: Chemical structures of 2 – 5



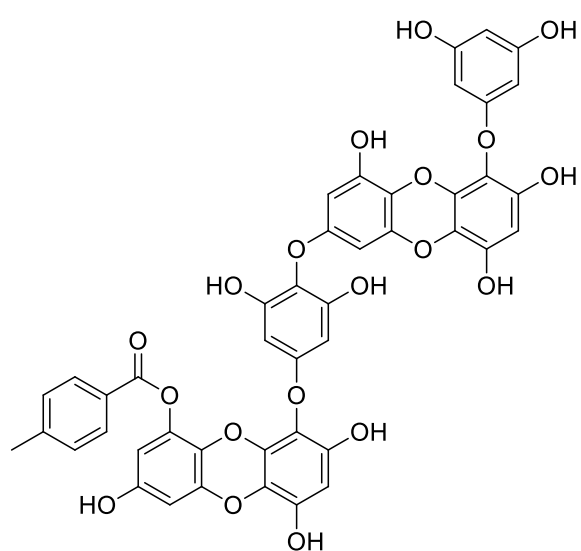
2



3



4



5

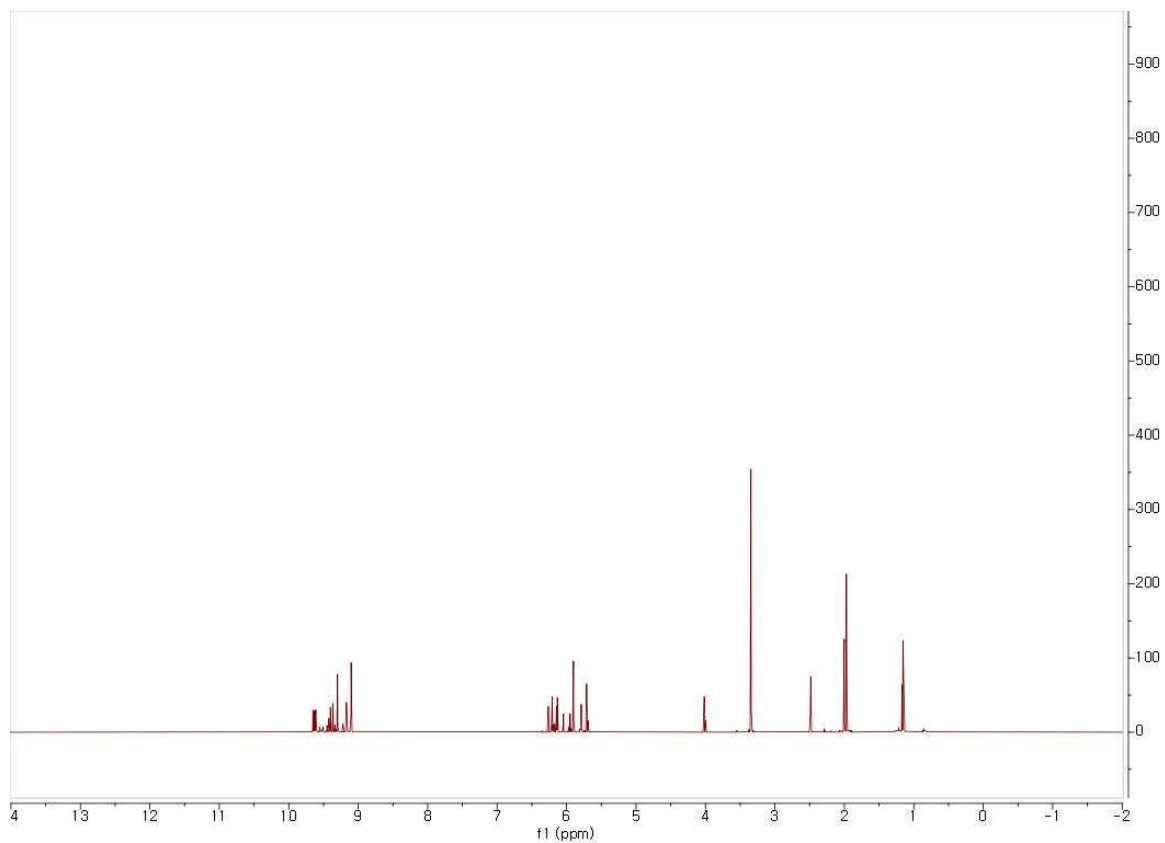


Figure S2. ^1H NMR spectrum of **2** (600 MHz, $\text{DMSO}-d_6$)

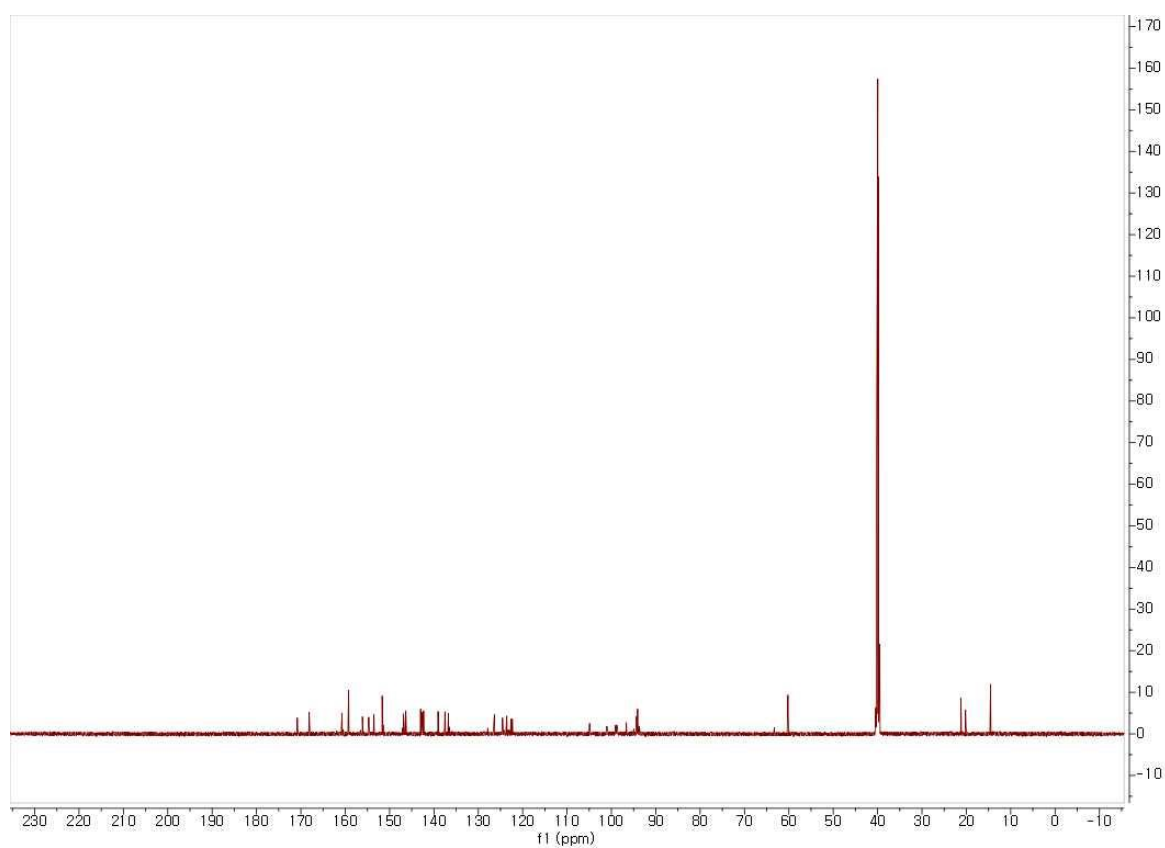


Figure S3. ^{13}C NMR spectrum of **2** (150 MHz, $\text{DMSO}-d_6$)

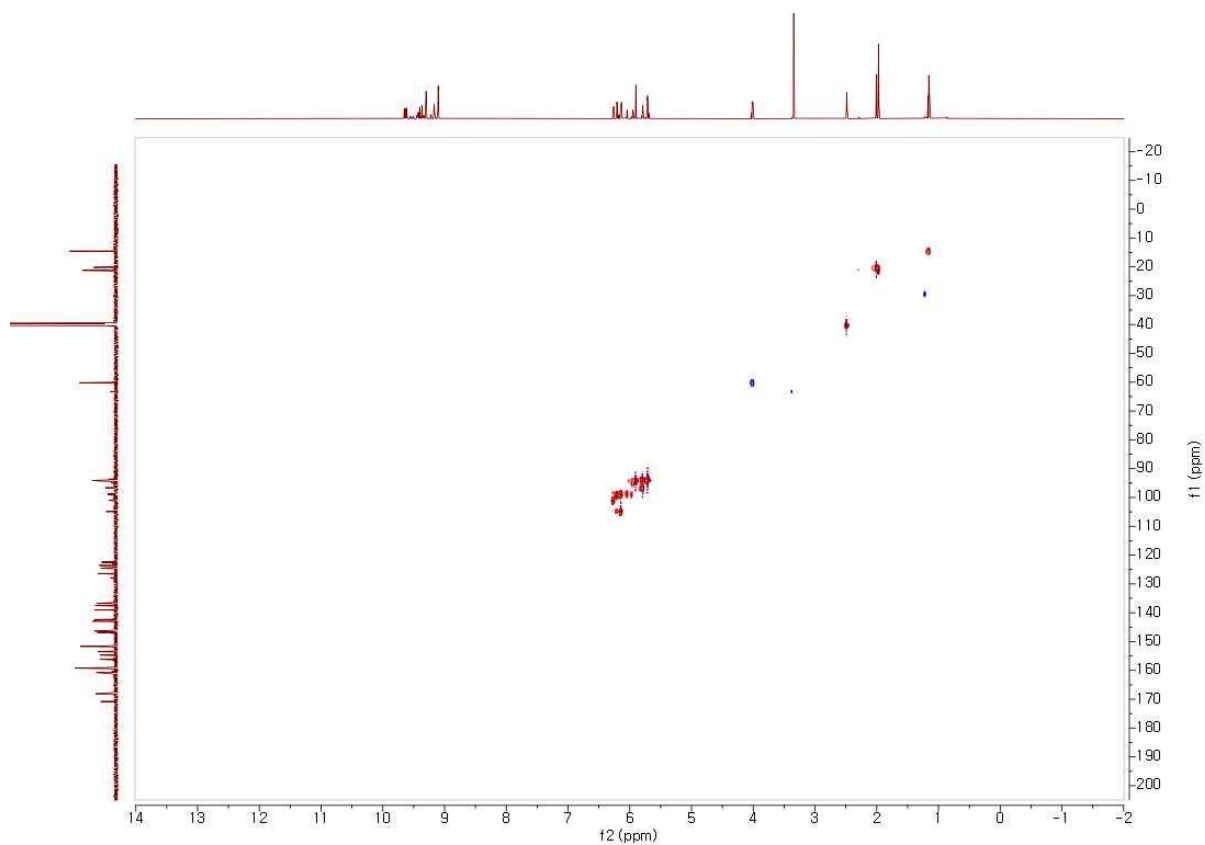


Figure S4. HSQC spectrum of **2** (600 MHz, DMSO- d_6)

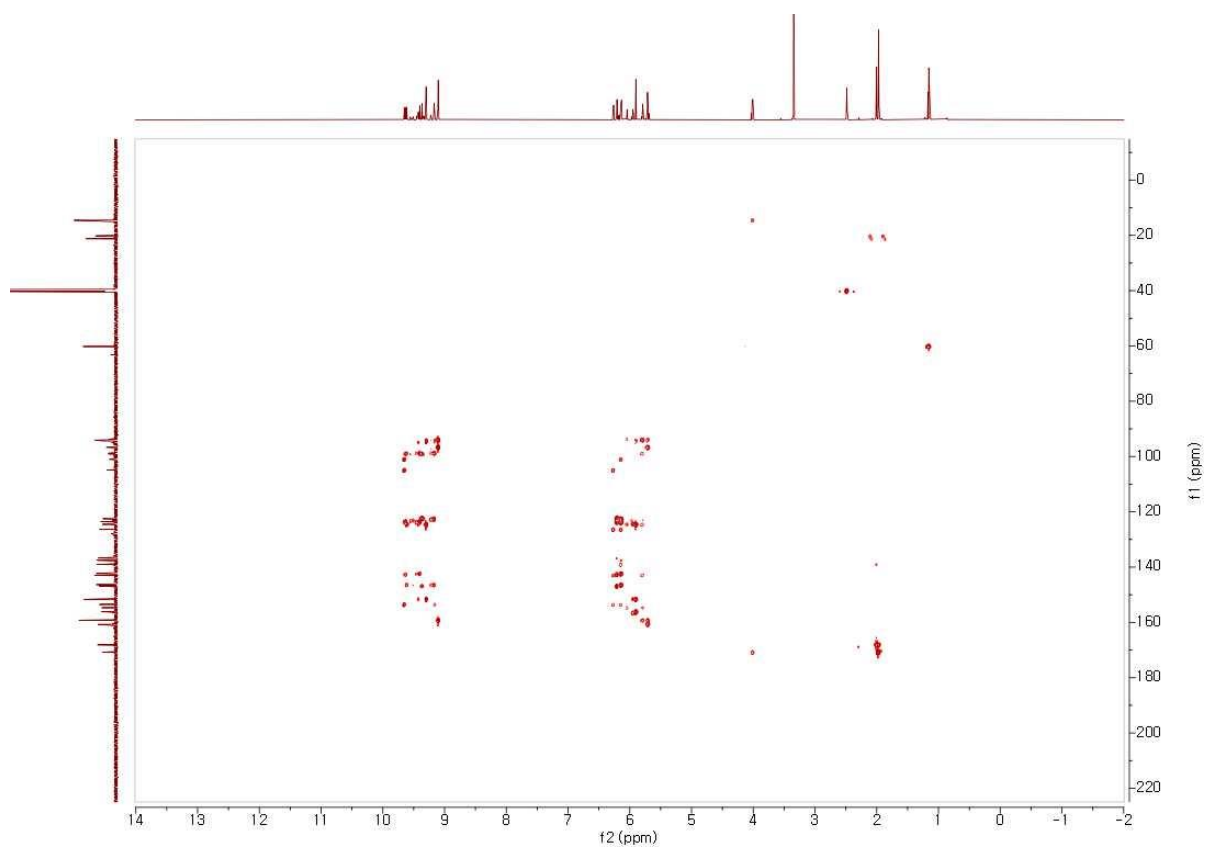


Figure S5. HMBC spectrum of **2** (600 MHz, DMSO- d_6)

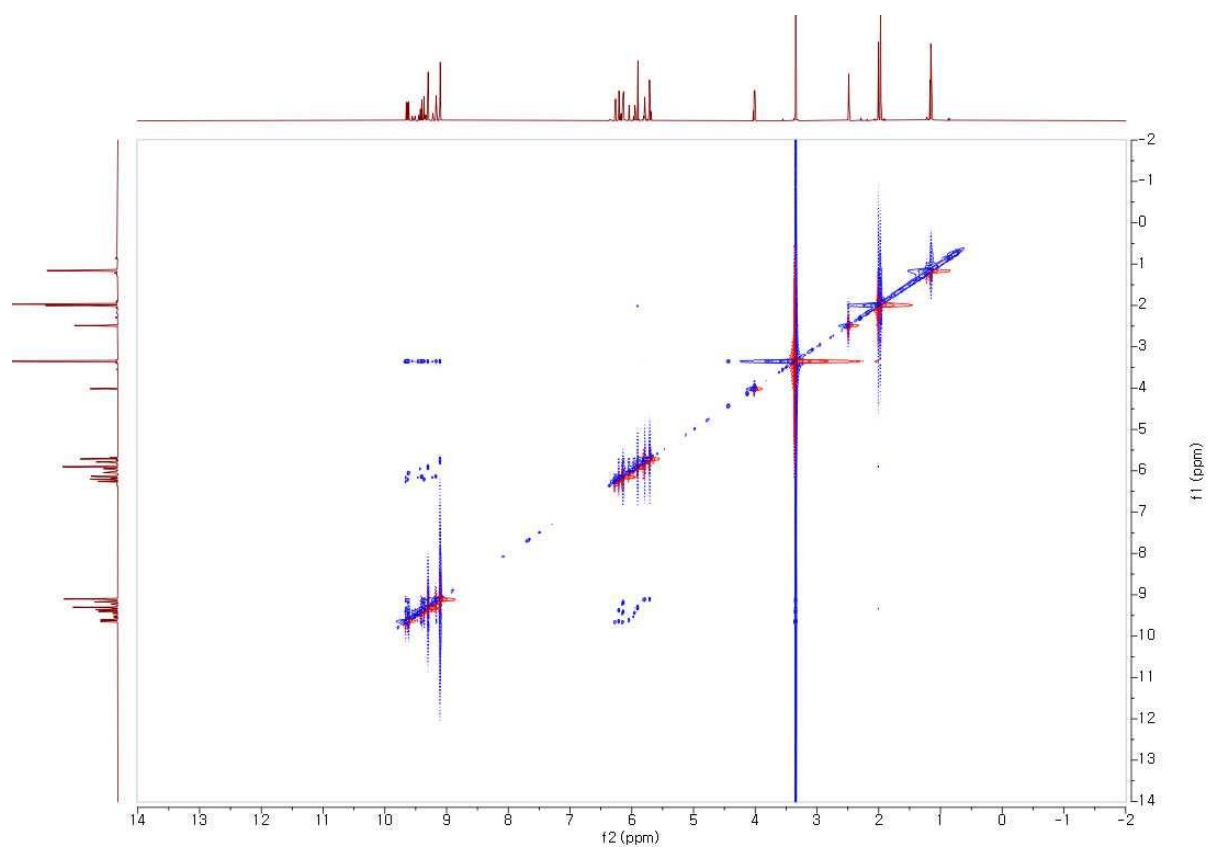


Figure S6. NOESY spectrum of **2** (600 MHz, DMSO- d_6)

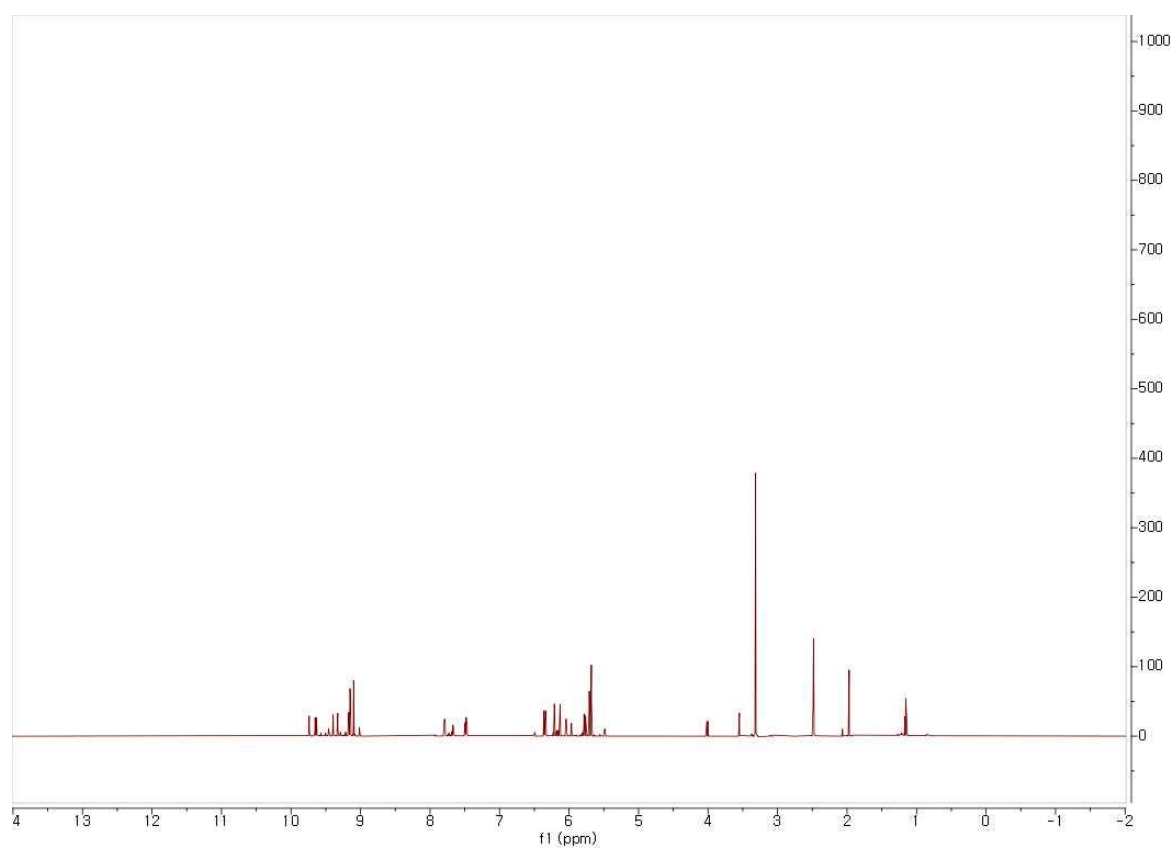


Figure S7. ^1H NMR spectrum of **3** (600 MHz, DMSO- d_6)

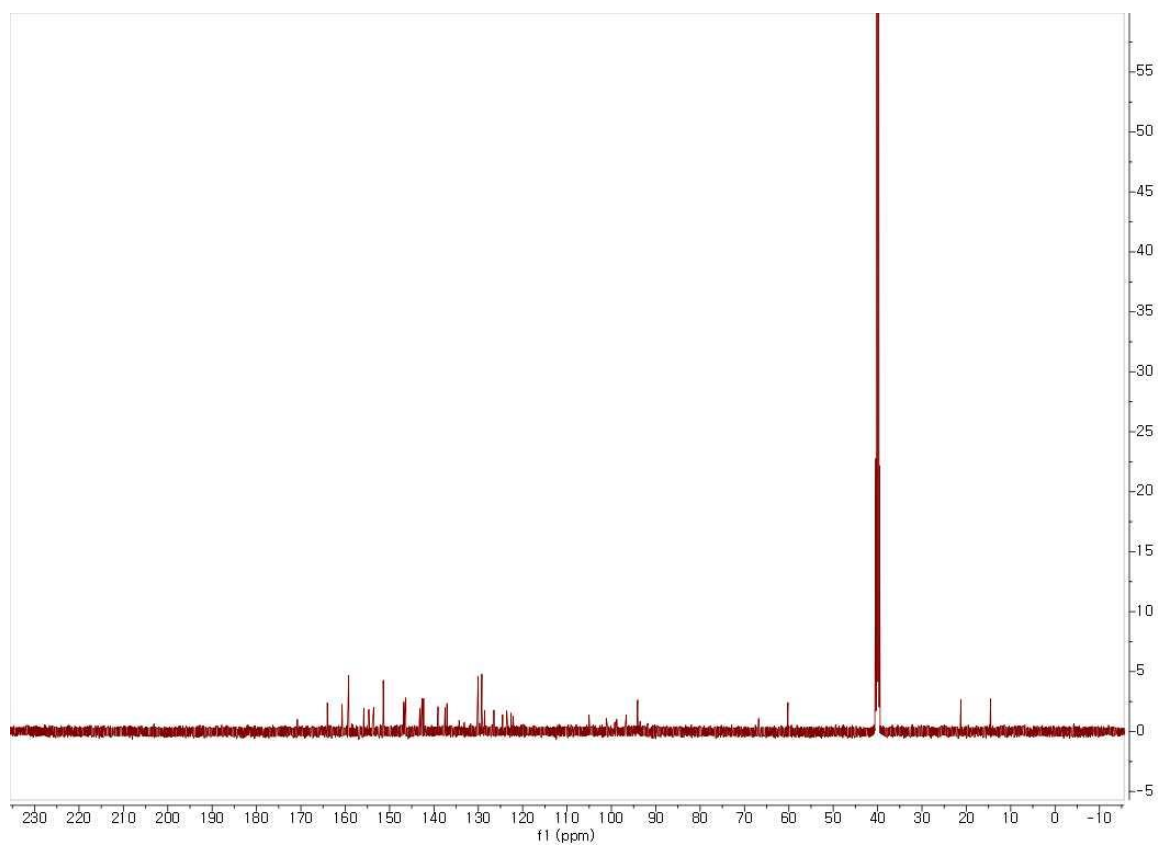


Figure S8. ^{13}C NMR spectrum of **3** (150 MHz, $\text{DMSO}-d_6$)

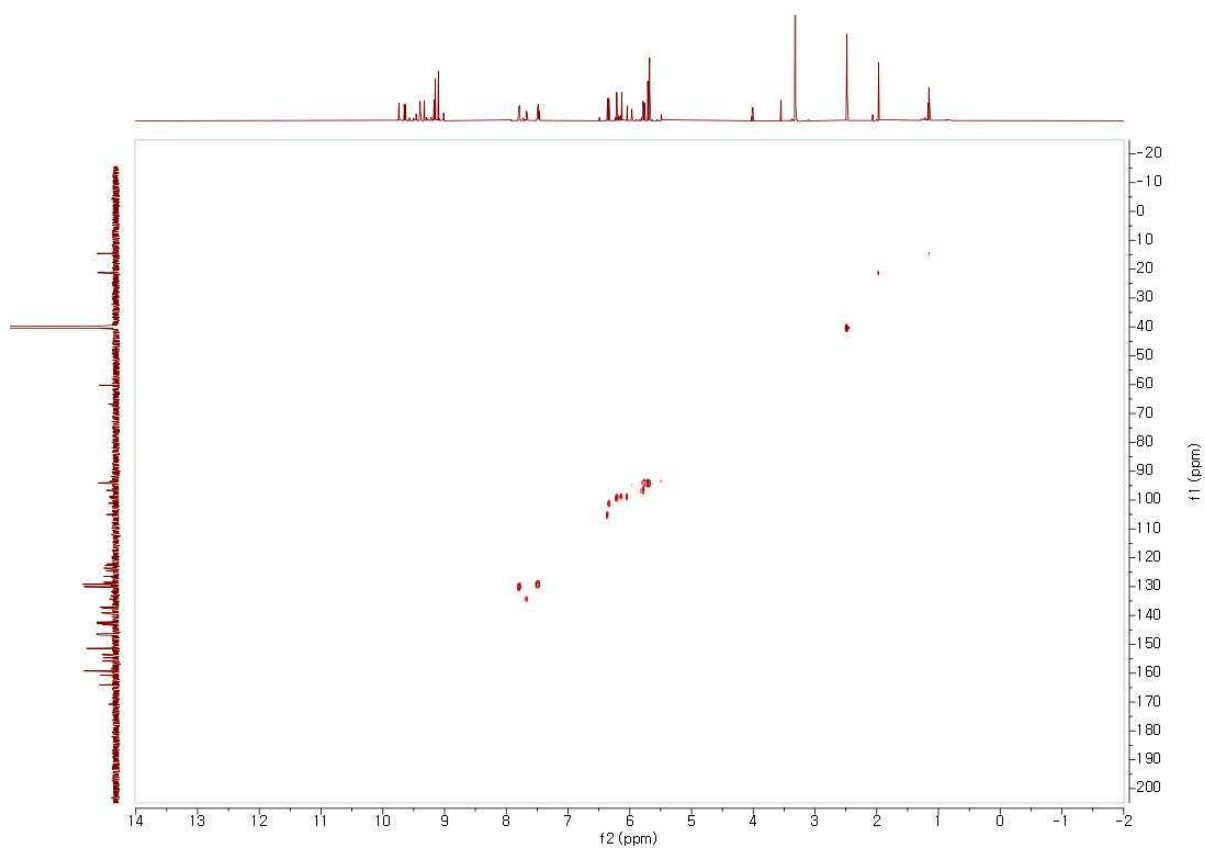


Figure S9. HSQC spectrum of **3** (600 MHz, $\text{DMSO}-d_6$)

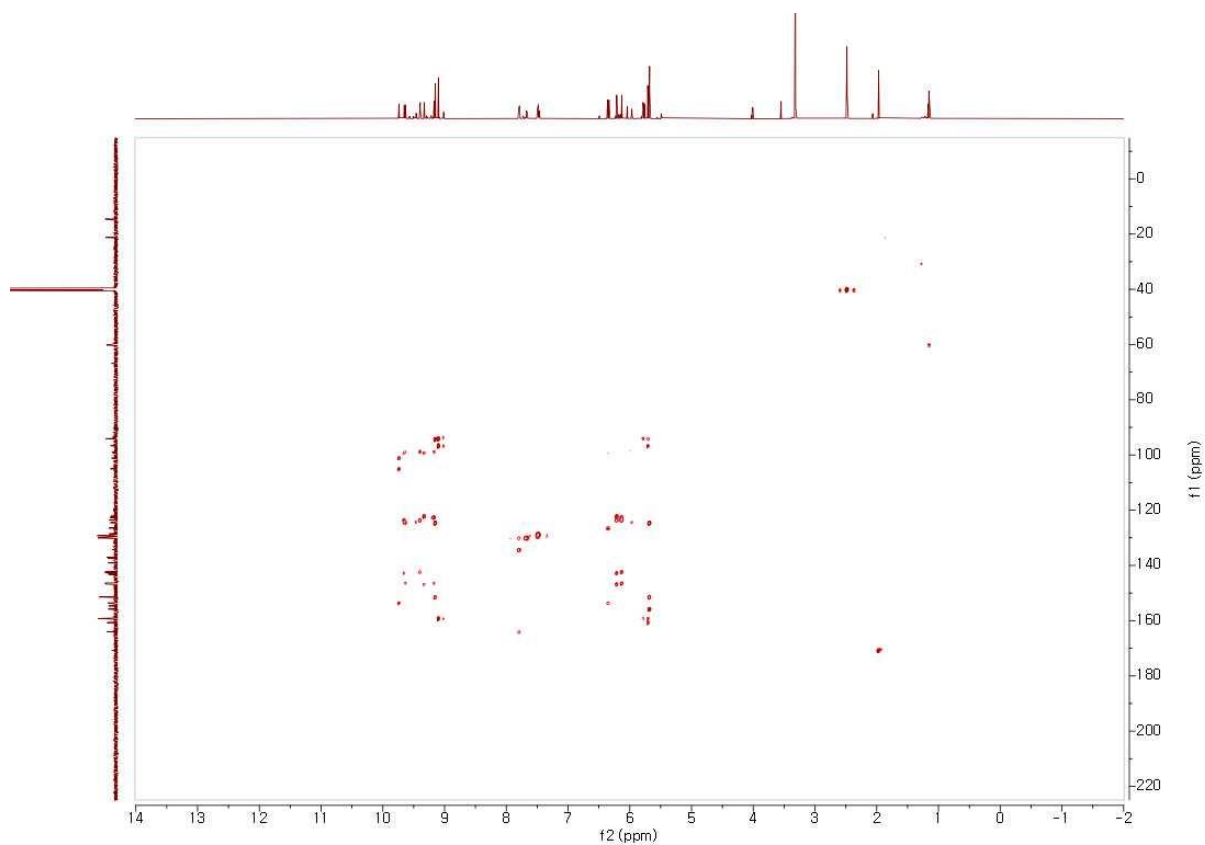


Figure S10. HMBC spectrum of **3** (600 MHz, DMSO- d_6)

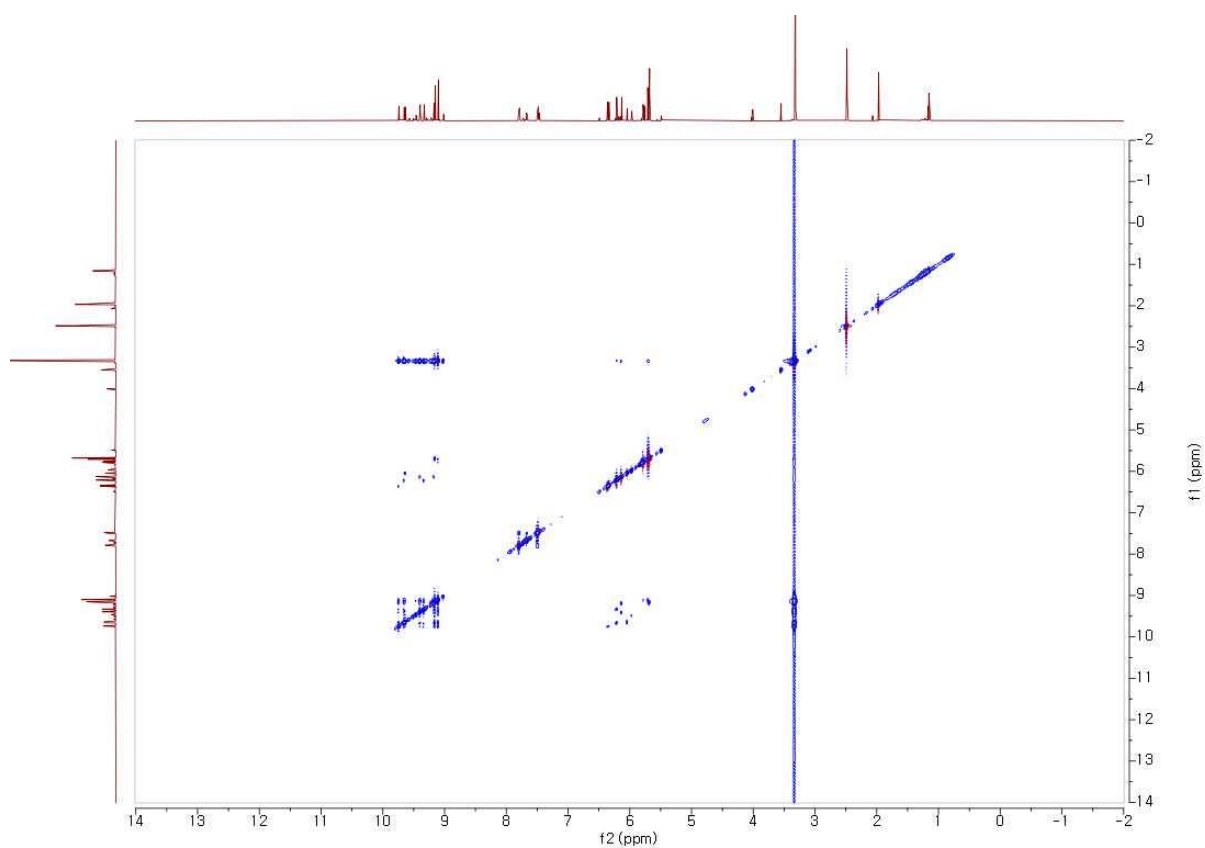


Figure S11. NOESY spectrum of **3** (600 MHz, DMSO- d_6)

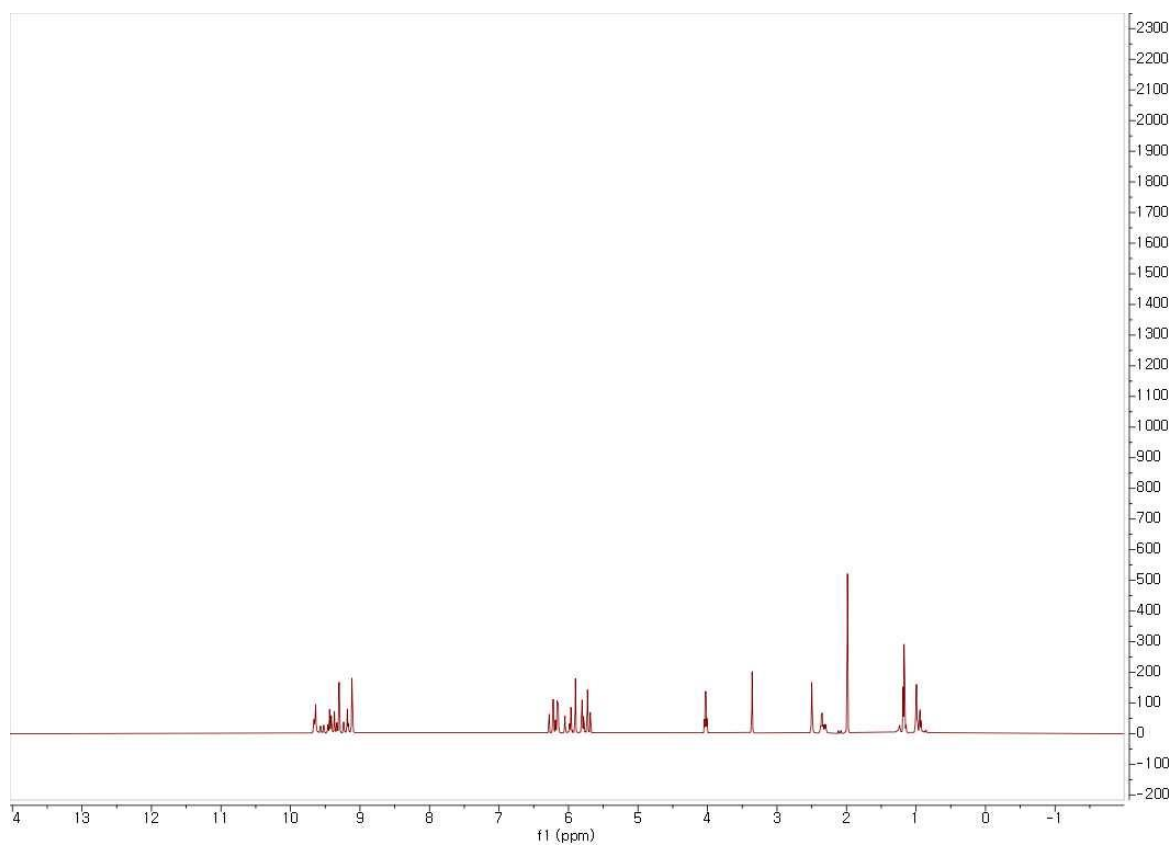


Figure S12. ¹H NMR spectrum of **4** (600 MHz, DMSO-*d*₆)

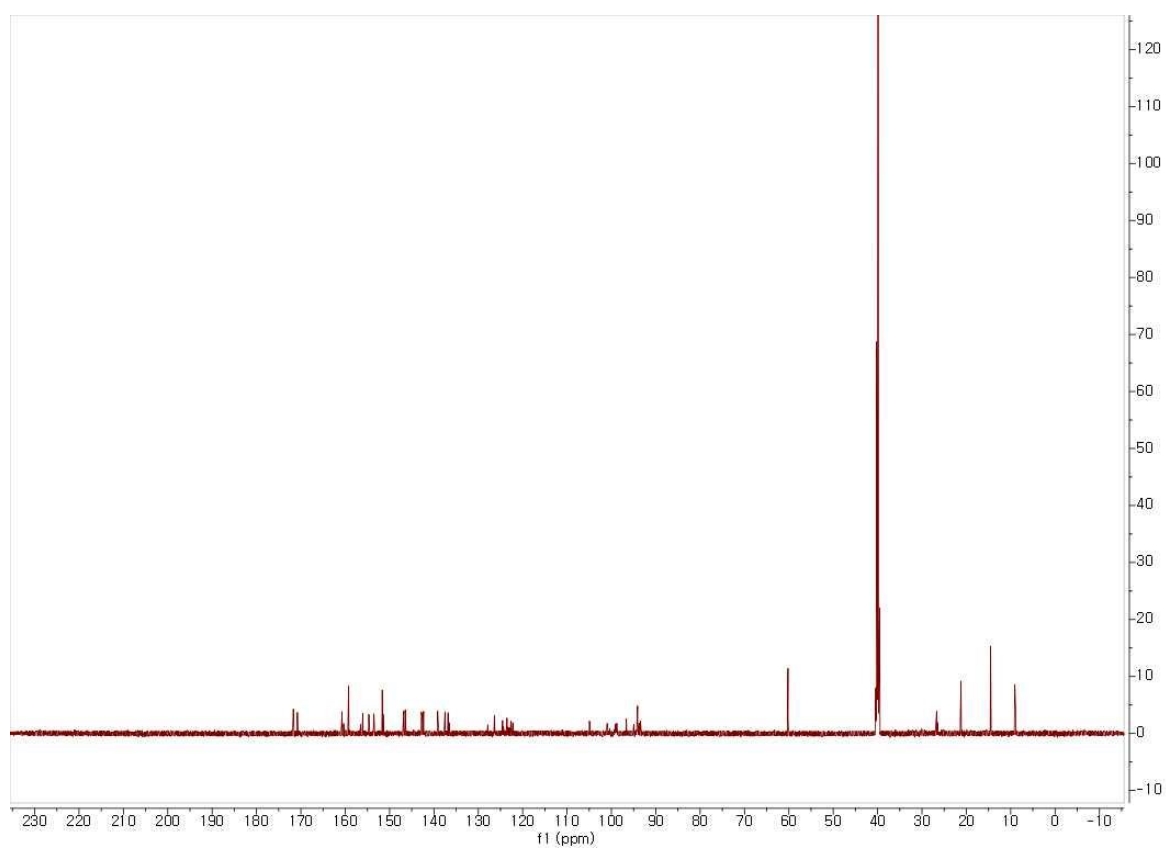


Figure S13. ¹³C NMR spectrum of **4** (150 MHz, DMSO-*d*₆)

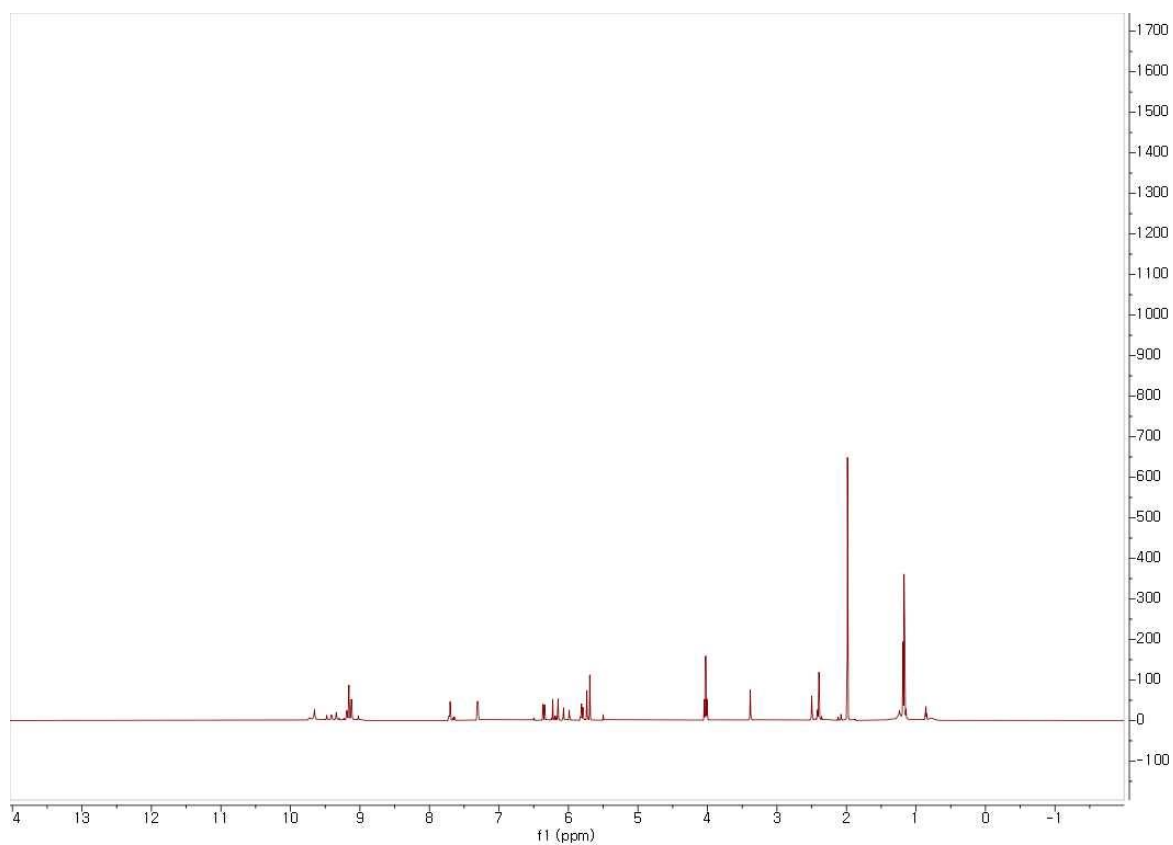


Figure S14. ^1H NMR spectrum of **5** (600 MHz, $\text{DMSO}-d_6$)

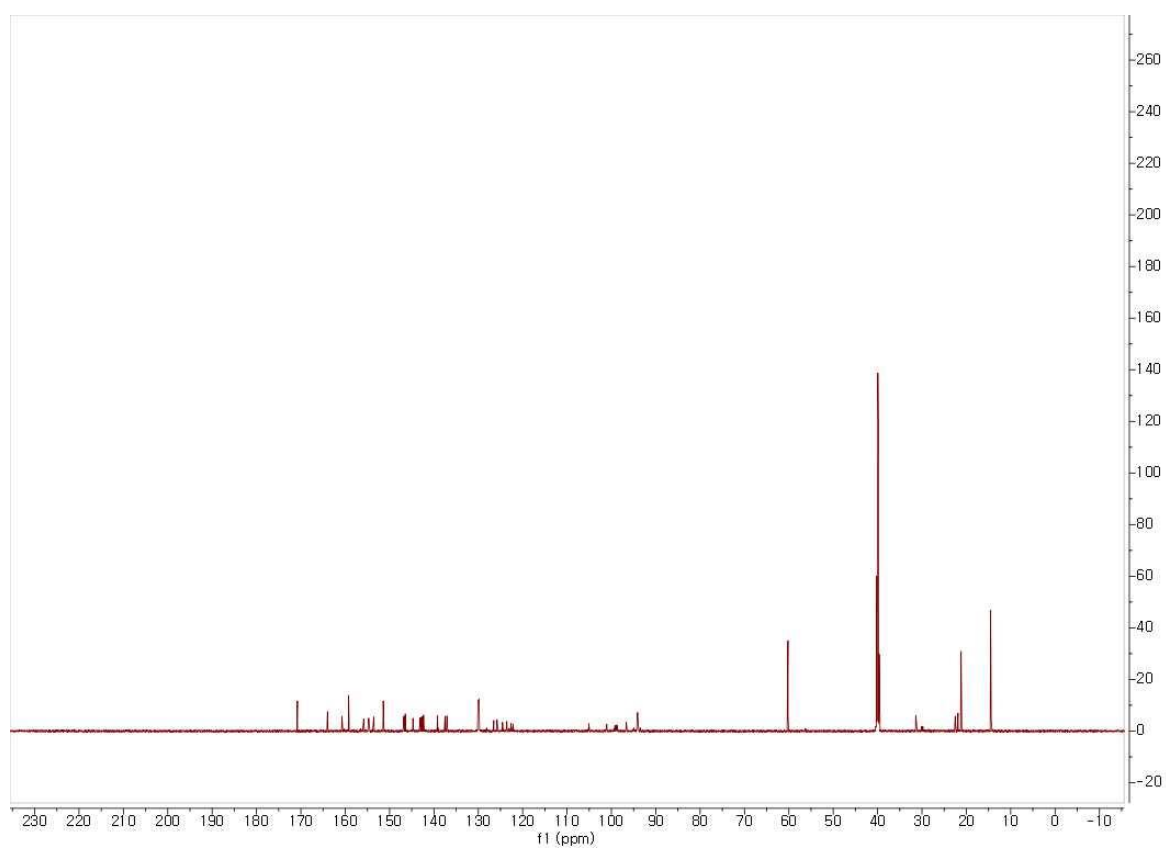


Figure S15. ^{13}C NMR spectrum of **5** (150 MHz, $\text{DMSO}-d_6$)

Table S1. ^1H , ^{13}C , HMBC, and NOESY NMR data of **3** (δ in ppm, data obtained in DMSO- d_6).

No.	δ_{C}	δ_{H}	(J in Hz)	HMBC (H \rightarrow C)	NOESY
1	142.65	9.67		C ₂ , C ₁ , C _{10a}	C ₂ -H
2	99.21	6.23		C ₄ , C ₃ , C ₁ , C _{10a}	C ₃ -H, C ₁ -H
3	146.76	9.34		C ₄ , C ₃ , C ₂	C ₂ -H
4	122.14				
4a	137.05				
5a	126.47				
6	139.07				
7	105.03	6.38	d (2.73)	C ₉ , C ₈ , C ₆ , C _{5a}	C ₈ -H
8	153.55	9.76		C ₉ , C ₈ , C ₇	C ₉ -H, C ₇ -H
9	101.13	6.35	d (2.73)	C _{9a} , C ₈ , C ₇ , C _{5a}	C ₈ -H
9a	143.16				
10a	123.52				
1'	155.79				
2'	94.20	5.70		C _{1'} , C _{2'} , C _{3'} , C _{4'} , C _{5'} , C _{6'}	C ₃ -H, C ₅ -H
3'	151.41	9.17		C _{2'} , C _{3'} , C _{4'} , C _{5'} , C _{6'}	C ₂ -H, C ₆ -H
4'	124.61				
5'	151.41	9.17		C _{2'} , C _{3'} , C _{4'} , C _{5'} , C _{6'}	C ₂ -H, C ₆ -H
6'	94.20	5.70		C _{1'} , C _{2'} , C _{3'} , C _{4'} , C _{5'} , C _{6'}	C ₃ -H, C ₅ -H
1''	93.83	5.78	d (2.85)	C _{10a''} , C _{2''} , C _{3''} , C _{4a''}	
2''	154.66				
3''	98.85	6.06	d (2.86)	C _{1''} , C _{2''} , C _{4a''}	C ₄ -H
4''	146.33	9.65		C _{3''} , C _{4''} , C _{4a''}	C ₃ -H
4a''	124.50				
5a''	137.48				
6''	122.60				
7''	146.46	9.19		C _{6''} , C _{7''} , C _{8''}	C ₈ -H
8''	98.73	6.15		C _{6''} , C _{7''} , C _{9''} , C _{9a''}	C ₇ -H, C ₉ -H
9''	142.31	9.41		C _{8''} , C _{9''} , C _{9a''}	C ₈ -H
9a''	123.58				
10a''	142.80				
1'''	160.70				
2'''	94.07	5.73	d (2.09)	C _{1'''} , C _{2'''} , C _{3'''} , C _{4'''} , C _{5'''} , C _{6'''}	C ₃ -H, C ₅ -H
3'''	159.20	9.12		C _{2'''} , C _{3'''} , C _{4'''} , C _{5'''} , C _{6'''}	C ₂ -H, C ₄ -H, C ₆ -H
4'''	96.62	5.80	t (2.08)	C _{2'''} , C _{3'''} , C _{5'''} , C _{6'''}	C ₃ -H
5'''	159.20	9.12		C _{2'''} , C _{3'''} , C _{4'''} , C _{5'''} , C _{6'''}	C ₂ -H, C ₄ -H, C ₆ -H
6'''	94.07	5.73	d (2.09)	C _{1'''} , C _{2'''} , C _{3'''} , C _{4'''} , C _{5'''} , C _{6'''}	C ₃ -H, C ₅ -H
6-O(CO)C(CH)₂(CH)₂(CH)	164.01				
6-O(CO)C(CH)₂(CH)₂(CH)	134.31				
6-O(CO)C(CH)₂(CH)₂(CH)	130.02	7.81	dd (7.04, 1.32)	C ₆ -O(CO)C(CH) ₂ (CH) ₂ (CH),	C ₂ -H, C ₆ -H
6-O(CO)C(CH)₂(CH)₂(CH)	129.19	7.50	t (7.47)	C ₆ -O(CO)C(CH) ₂ (CH) ₂ (CH)	
6-O(CO)C(CH)₂(CH)₂(CH)	128.54	7.69	tt (7.47, 1.32)	C ₆ -O(CO)C(CH) ₂ (CH) ₂ (CH)	

Table S2. ¹H and ¹³C NMR data of **4** (δ in ppm, data obtained in DMSO-*d*₆).

No.	δ_c	δ_H	(<i>J</i> in Hz)
1	142.64	9.65	
2	99.10	6.22	
3	146.80	9.37	
4	122.23		
4a	136.81		
5a	126.37		
6	139.16		
7	104.95	6.16	d (2.71)
8	153.53	9.66	
9	100.96	6.28	d (2.71)
9a	143.00		
10a	123.53		
1'	156.04		
2'	94.22	5.90	
3'	151.65	9.30	
4'	124.62		
5'	151.65	9.30	
6'	94.22	5.90	
1''	93.73	5.81	d (2.87)
2''	154.67		
3''	98.83	6.05	d (2.87)
4''	146.34	9.64	
4a''	124.52		
5a''	137.52		
6''	122.63		
7''	146.47	9.18	
8''	98.74	6.15	
9''	142.33	9.44	
9a''	123.60		
10a''	142.84		
1'''	160.72		
2'''	94.09	5.73	d (2.11)
3'''	159.21	9.12	
4'''	96.63	5.80	t (2.11)
5'''	159.21	9.12	
6'''	94.09	5.73	d (2.11)
6-O(CO)CH₂CH₃	171.25		
6-O(CO)CH₂CH₃	26.67	2.36	q (7.48)
6-O(CO)CH₂CH₃	9.07	0.99	t (7.48)

Table S3. ¹H and ¹³C NMR data of **5** (δ in ppm, data obtained in DMSO-*d*₆).

No.	δ _C	δ _H	(<i>J</i> in Hz)
1	142.66	9.65	
2	99.19	6.23	
3	146.78	9.34	
4	122.17		
4a	137.07		
5a	126.51		
6	139.19		
7	105.07	6.37	d (2.74)
8	153.53	9.73	
9	101.04	6.34	d (2.74)
9a	143.17		
10a	123.58		
1'	155.81		
2'	94.21	5.69	
3'	151.43	9.16	
4'	124.68		
5'	151.43	9.16	
6'	94.21	5.69	
1''	93.93	5.79	d (2.88)
2''	154.70		
3''	98.92	6.07	d (2.88)
4''	146.34	9.65	
4a''	124.54		
5a''	137.51		
6''	122.64		
7''	146.48	9.19	
8''	98.75	6.15	
9''	142.34	9.41	
9a''	123.62		
10a''	142.82		
1'''	160.73		
2'''	94.10	5.73	d (2.10)
3'''	159.23	9.12	
4'''	96.65	5.81	t (2.10)
5'''	159.23	9.12	
6'''	94.10	5.73	d (2.10)
6-O(CO)C(CH) ₂ (CH) ₂ CCH ₃	163.99		
6-O(CO)C(CH) ₂ (CH) ₂ CCH ₃	125.79		
6-O(CO)C(CH) ₂ (CH) ₂ CCH ₃	130.08	7.71	d (8.05)
6-O(CO)C(CH) ₂ (CH) ₂ CCH ₃	129.84	7.31	d (8.05)
6-O(CO)C(CH) ₂ (CH) ₂ CCH ₃	144.75		
6-O(CO)C(CH) ₂ (CH) ₂ CCH ₃	21.87	2.40	