

New Glycosylated Secondary Metabolites from Marine-Derived Bacteria

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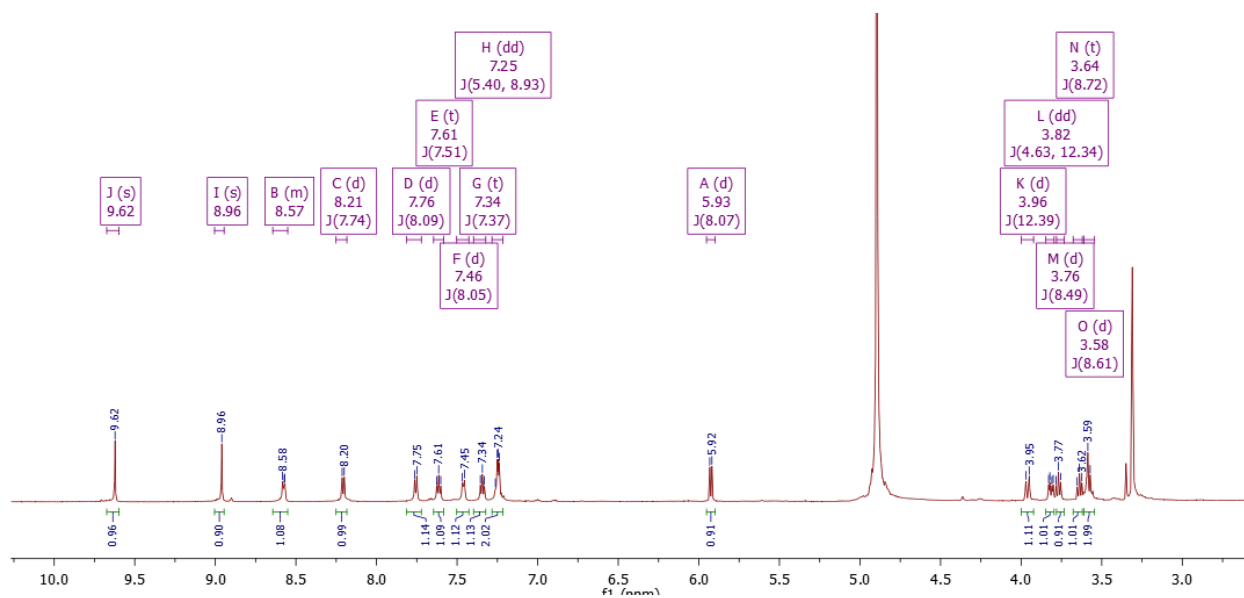


Figure S1. ^1H NMR spectrum of 1 (CD_3OD , 600 MHz).

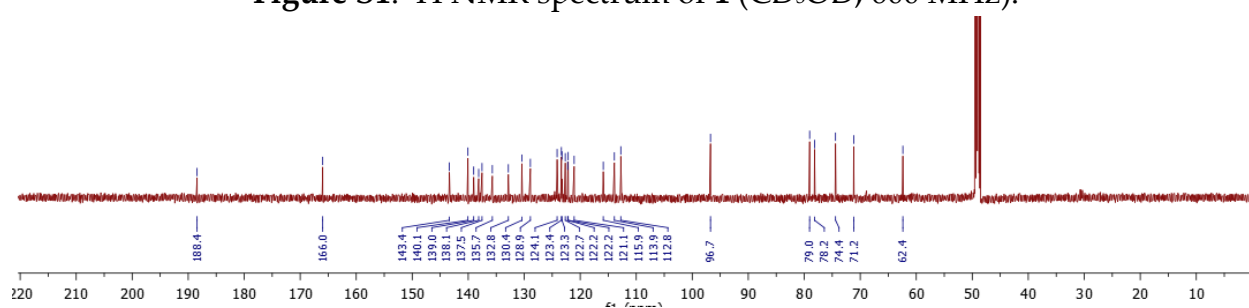


Figure S2. ^{13}C NMR spectrum of 1 (CD_3OD , 150 MHz).

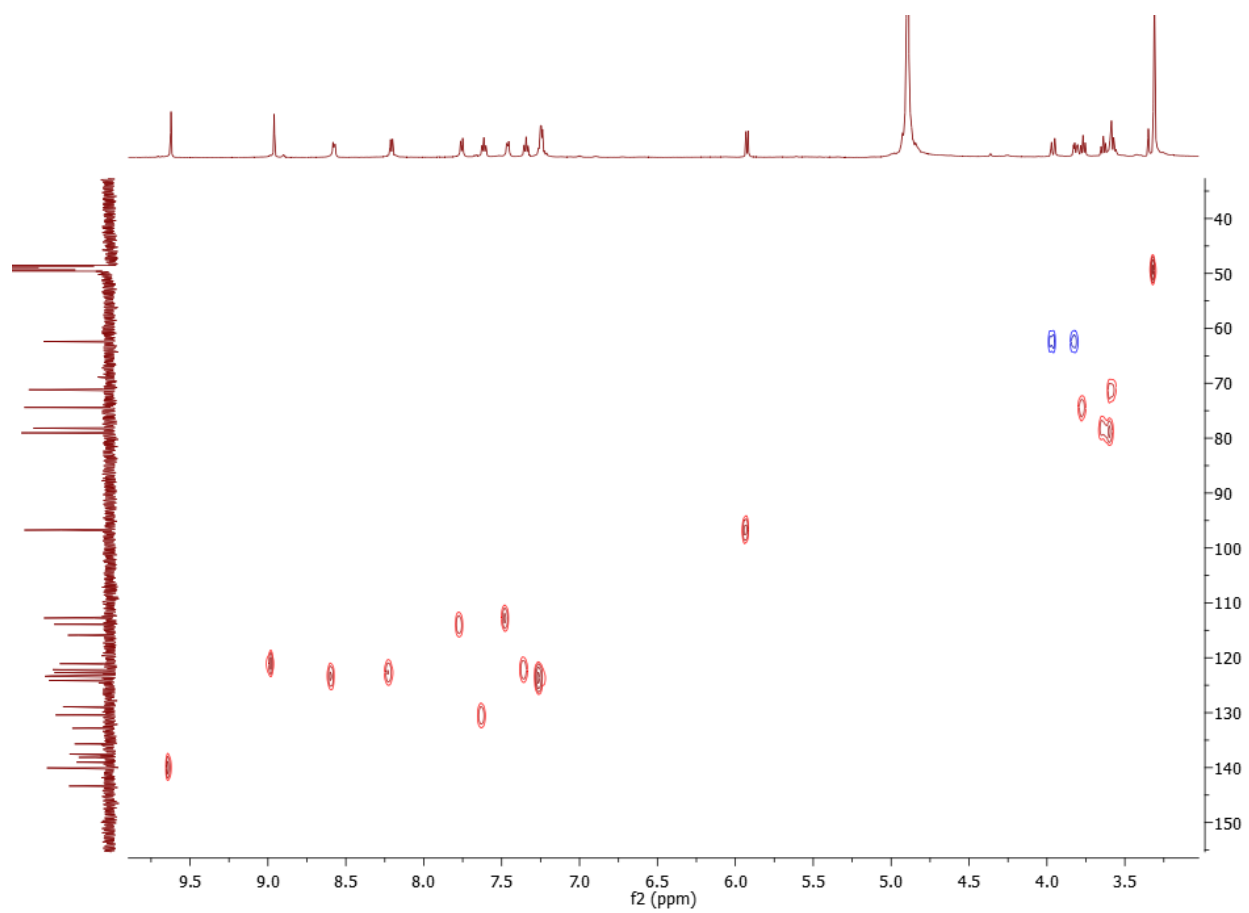


Figure S3. HSQC spectrum of **1** (CD₃OD).

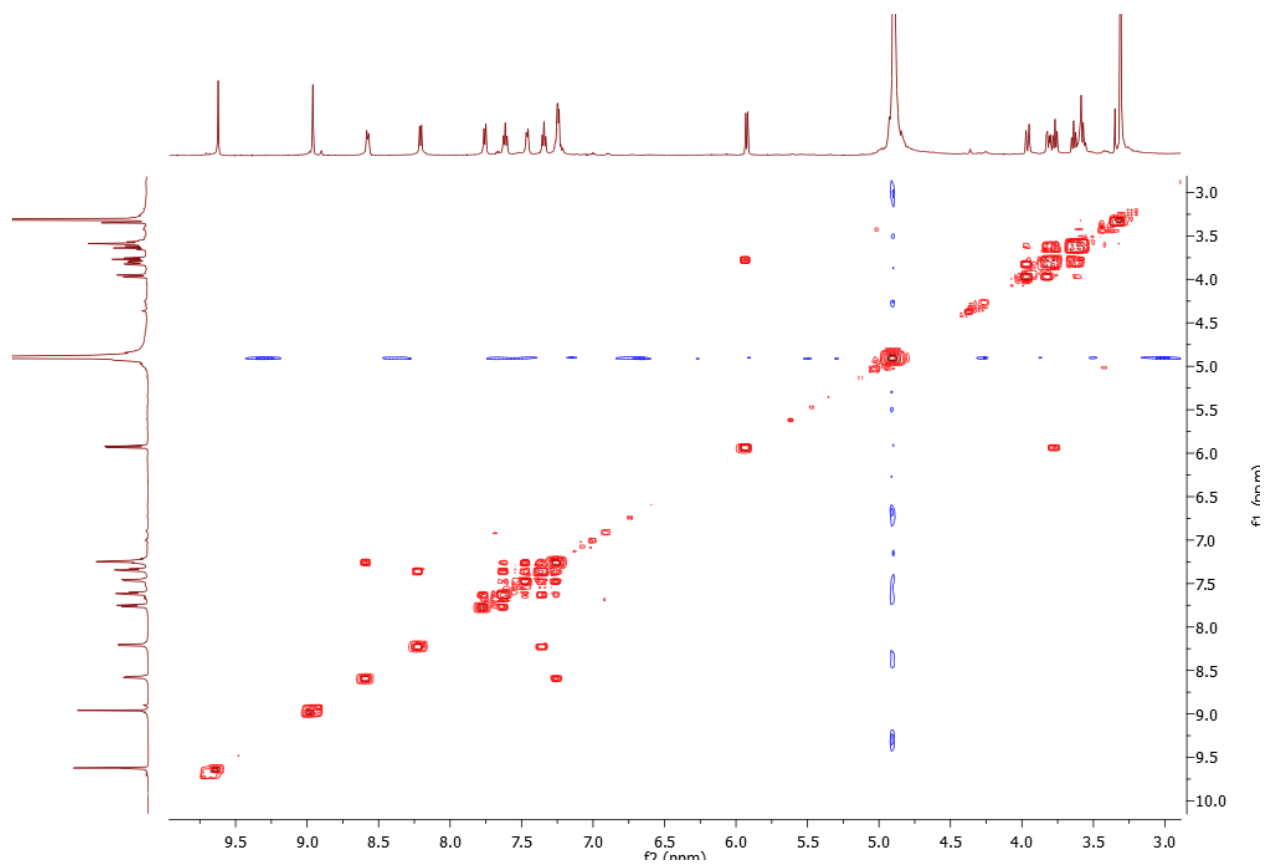


Figure S4. ^1H - ^1H COSY spectrum of **1** (CD_3OD).

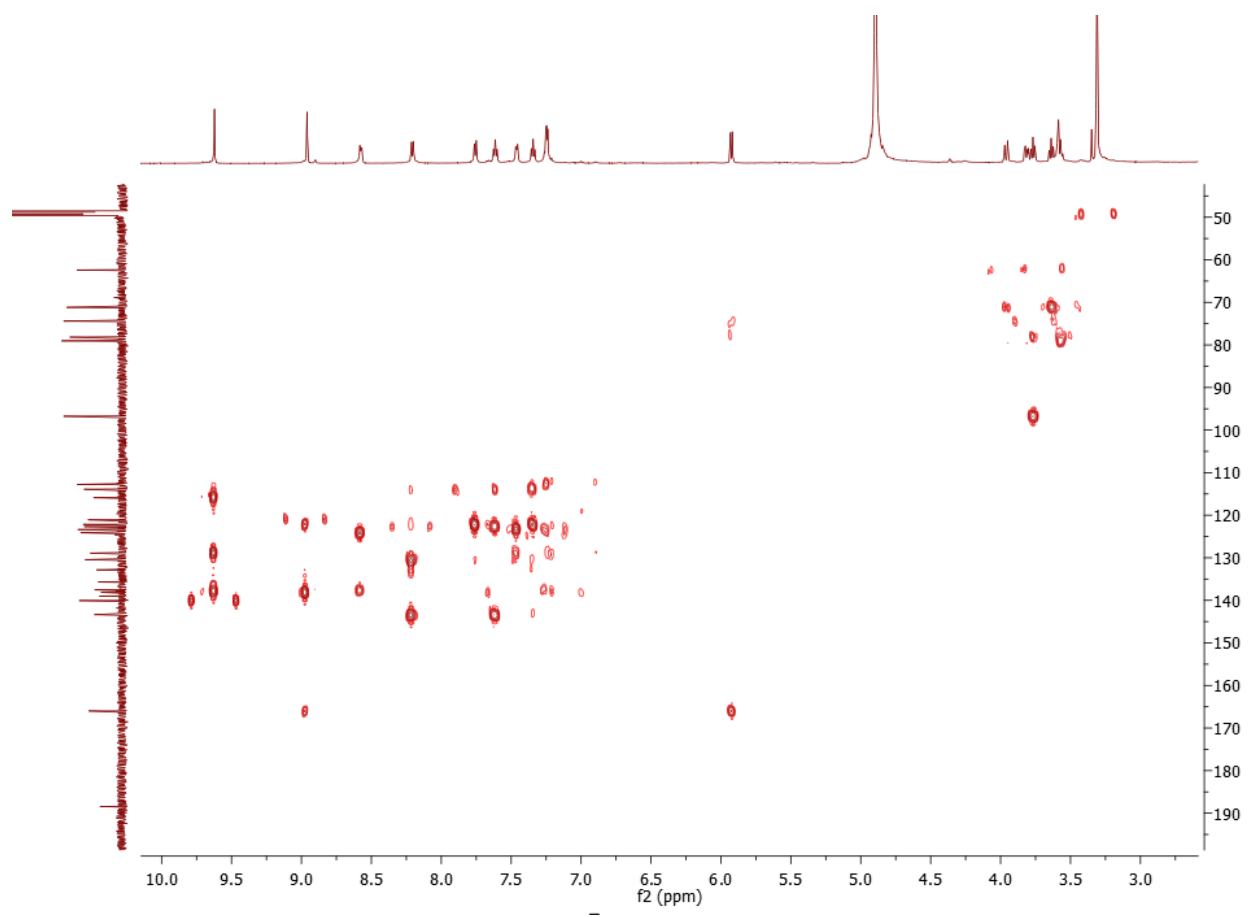


Figure S5. HMBC spectrum of **1** (CD₃OD).

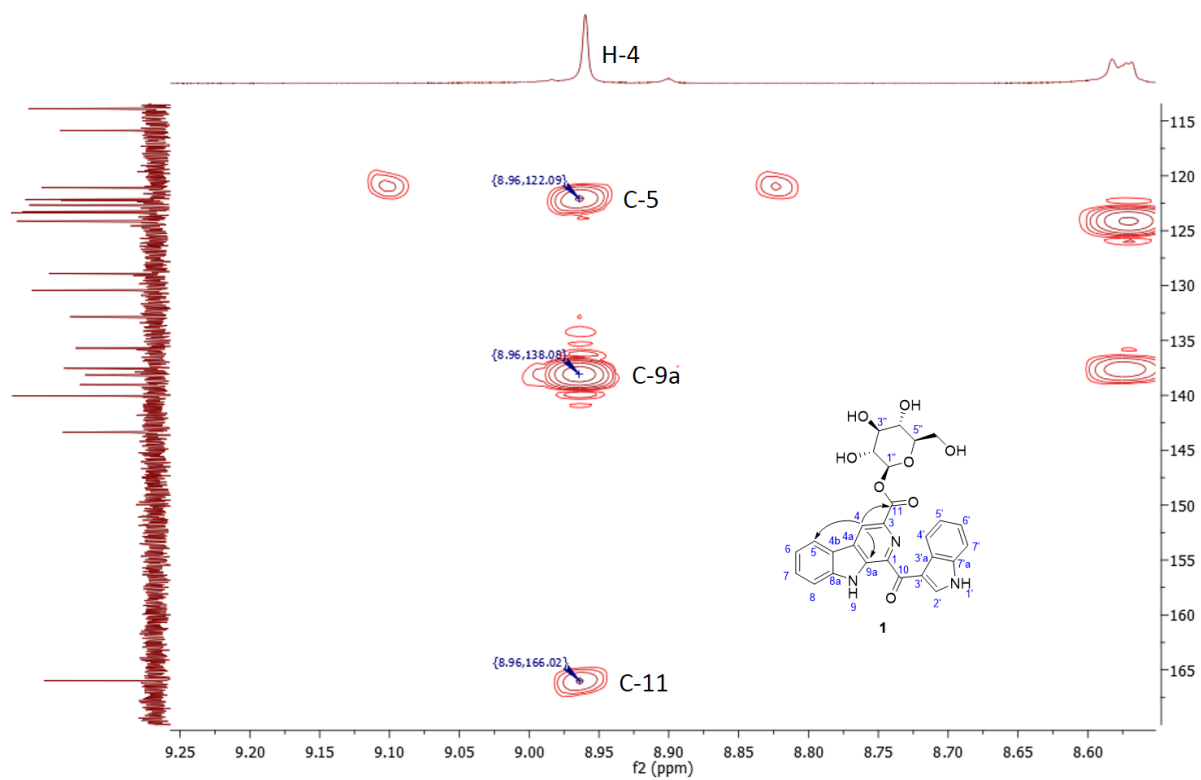


Figure S5. HMBC spectrum of **1** (CD_3OD) (extended **H-4**).

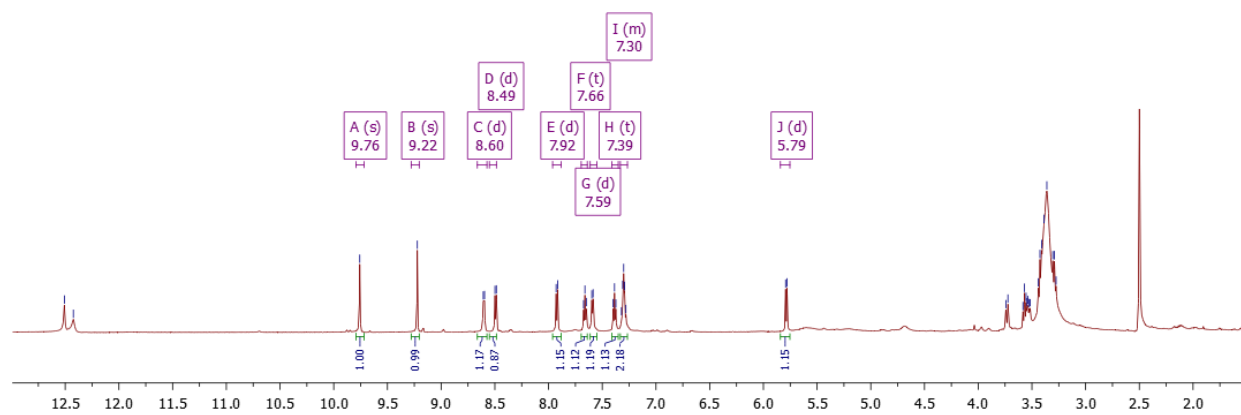


Figure S6. ^1H NMR spectrum of **1** (DMSO- d_6 , 600 MHz).

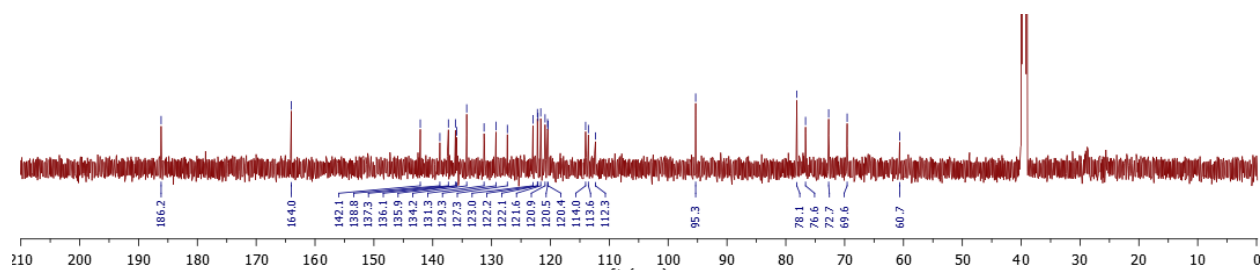


Figure S7. ^{13}C NMR spectrum of **1** (DMSO- d_6 , 150 MHz).

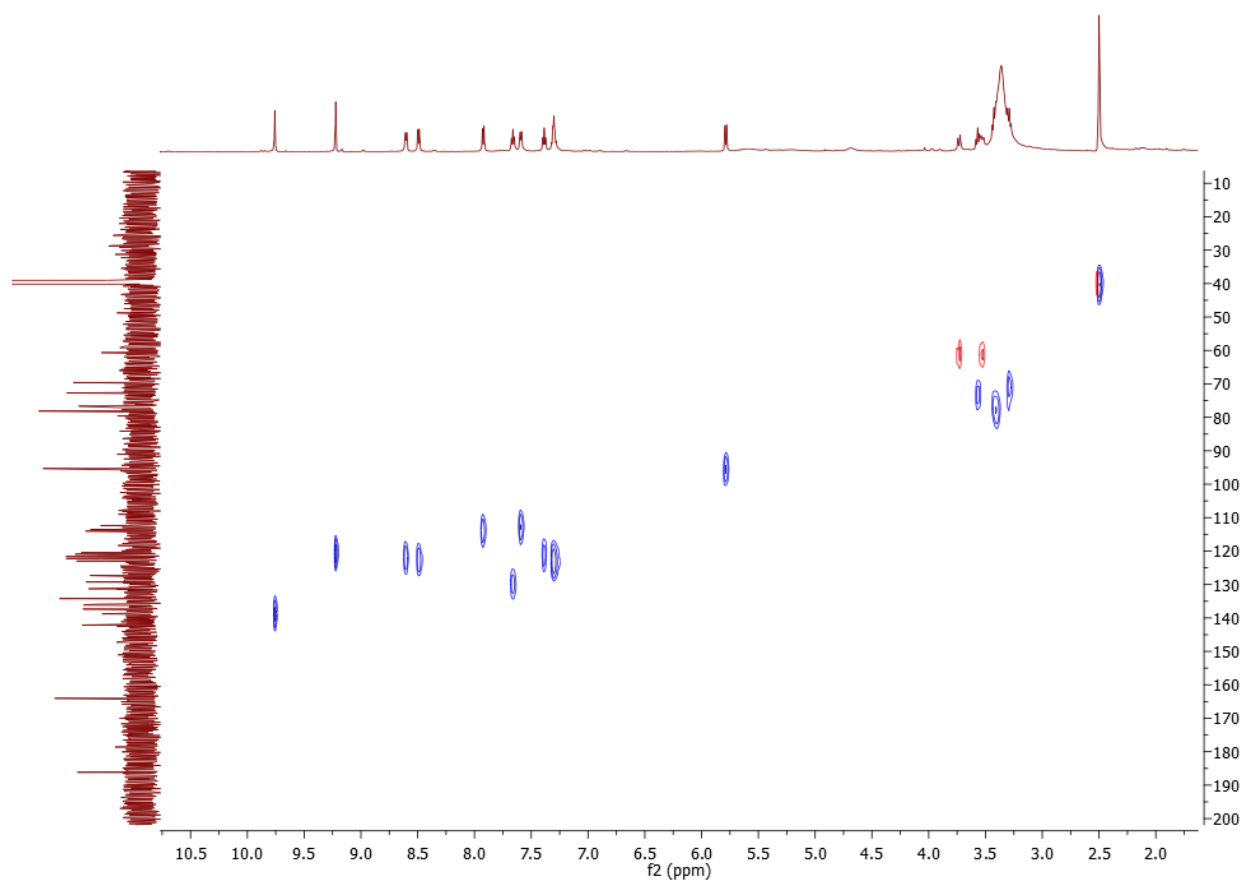


Figure S8. HSQC spectrum of **1** (DMSO-*d*₆).

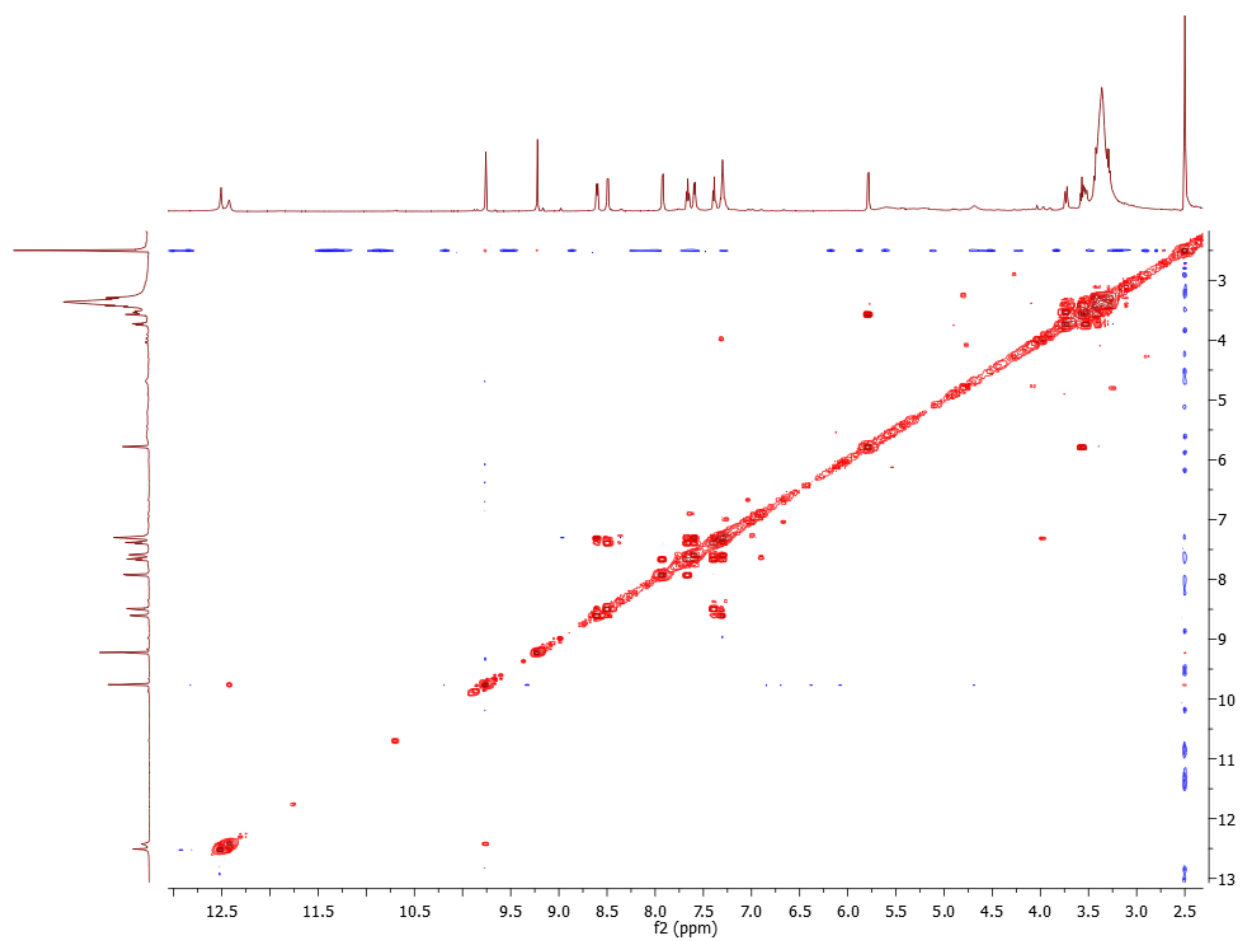


Figure S9. ^1H - ^1H COSY spectrum of **1** (DMSO- d_6).

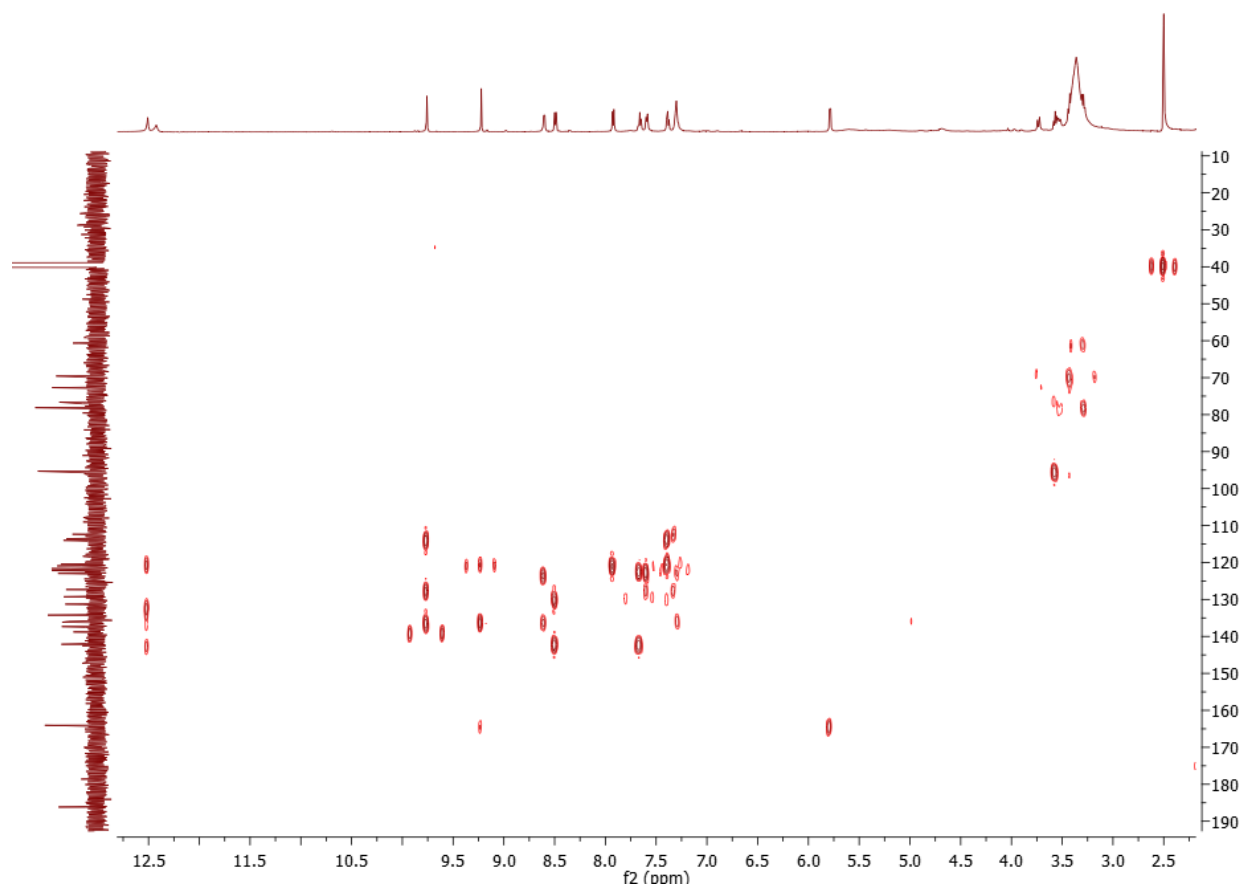


Figure S10. HMBC spectrum of **1** (DMSO-*d*₆).

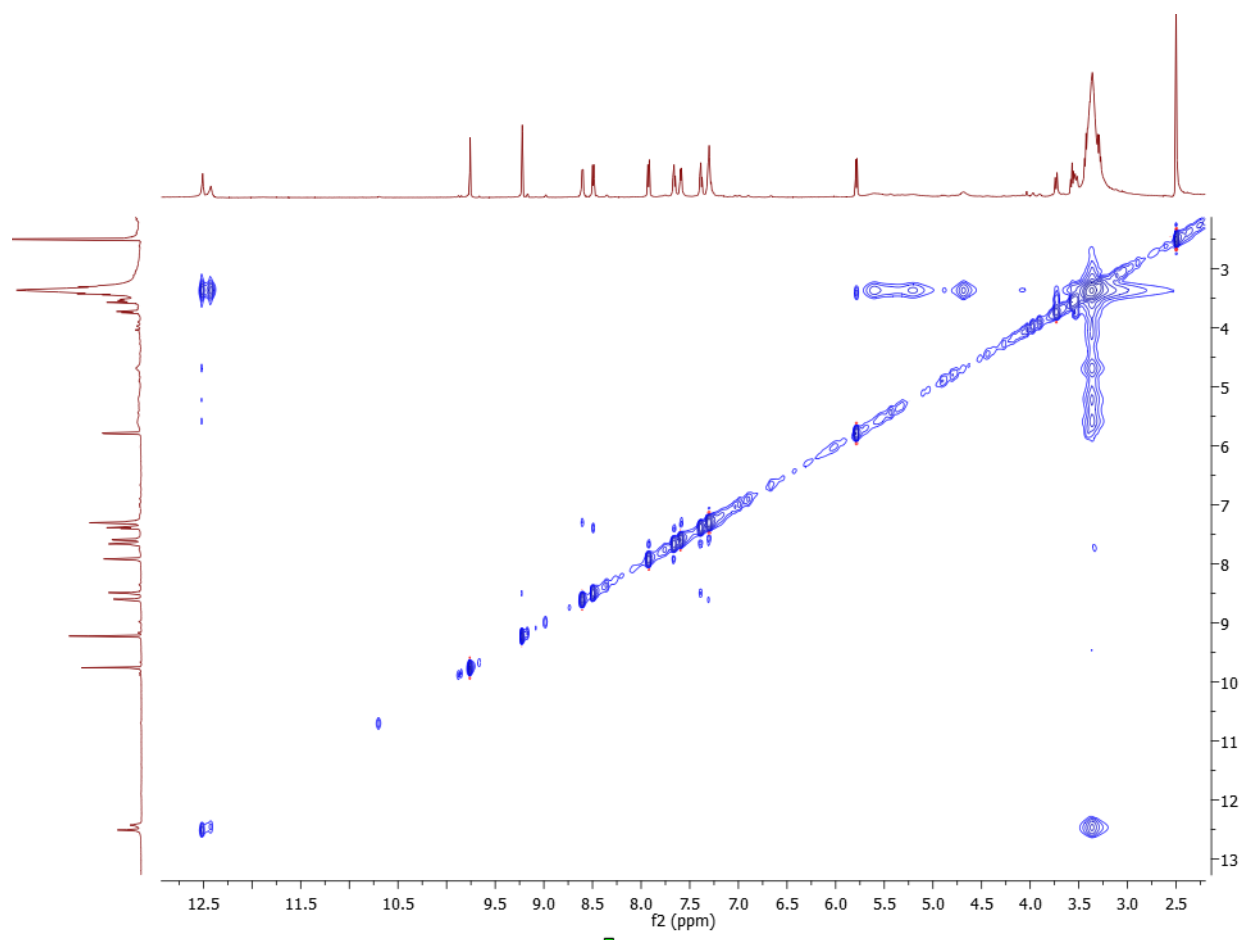


Figure S11. NOESY spectrum of **1** (DMSO-*d*₆).

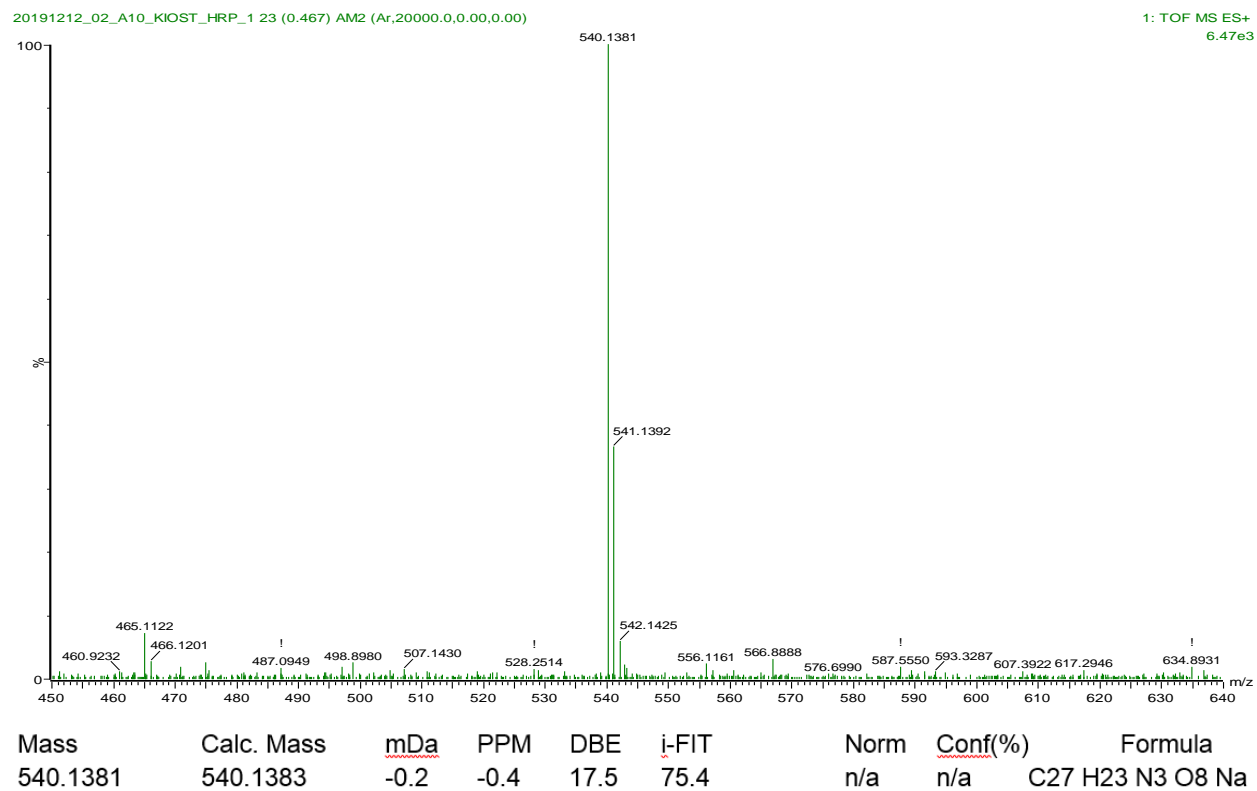


Figure S12. HRESIMS data of **1**.

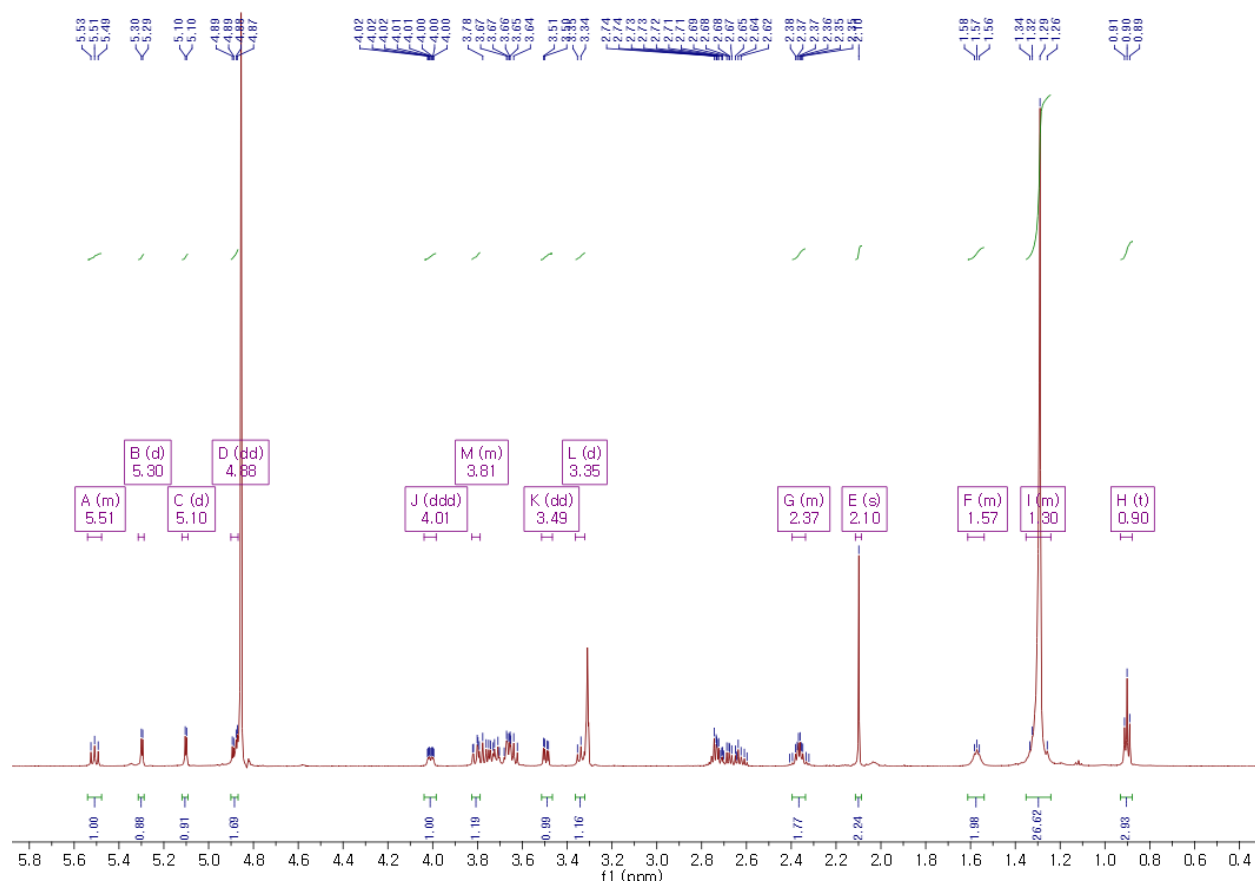


Figure S13. ¹H NMR spectrum of 2 (CD₃OD, 600 MHz).

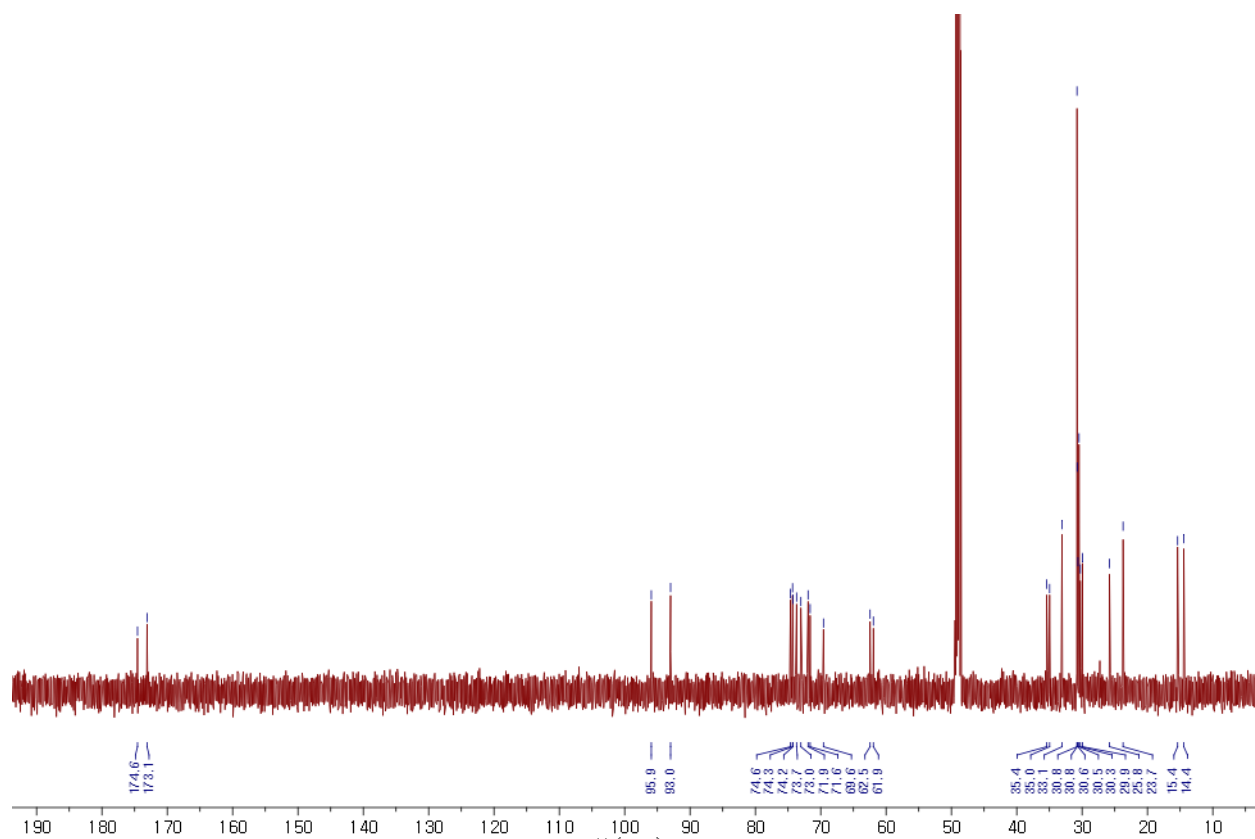


Figure S14. ^{13}C NMR spectrum of **2** (CD_3OD , 150 MHz).

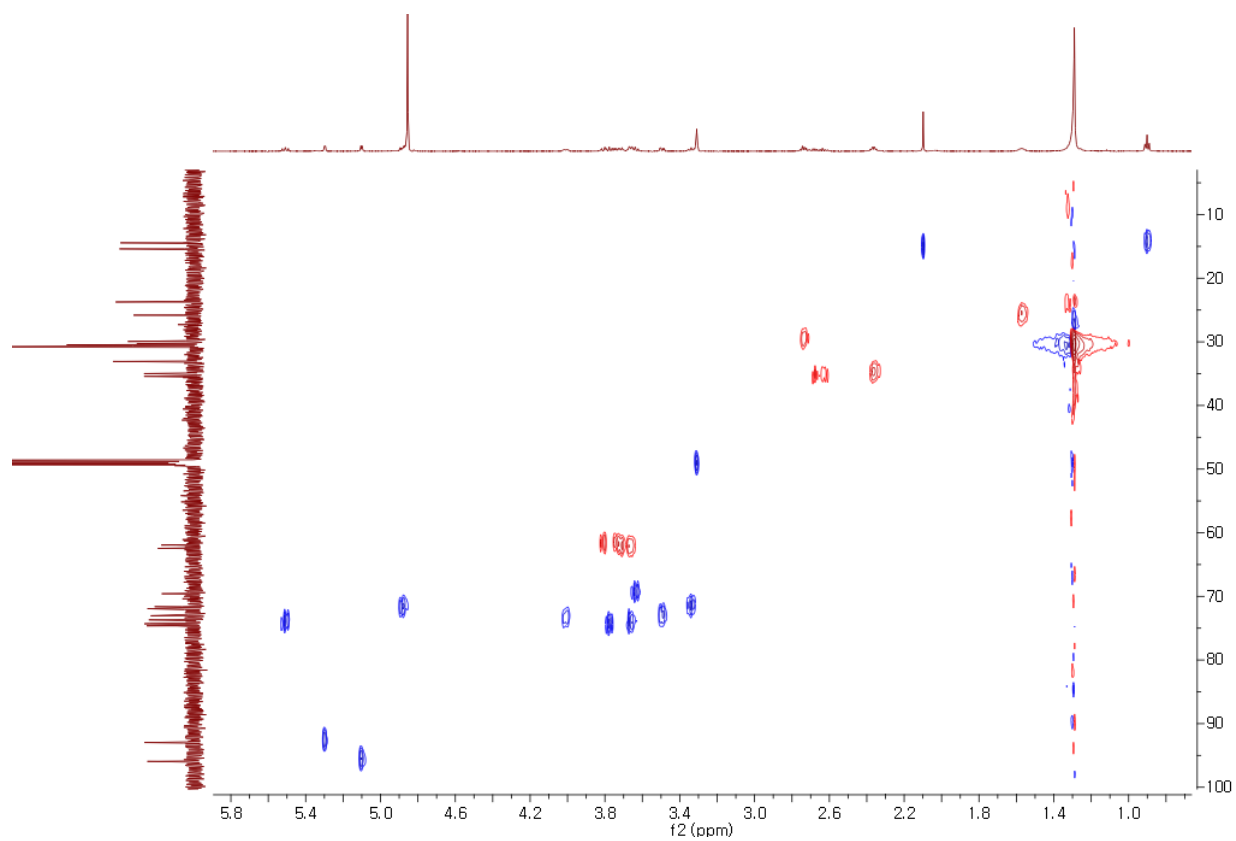


Figure S15. HSQC spectrum of **2** (CD₃OD).

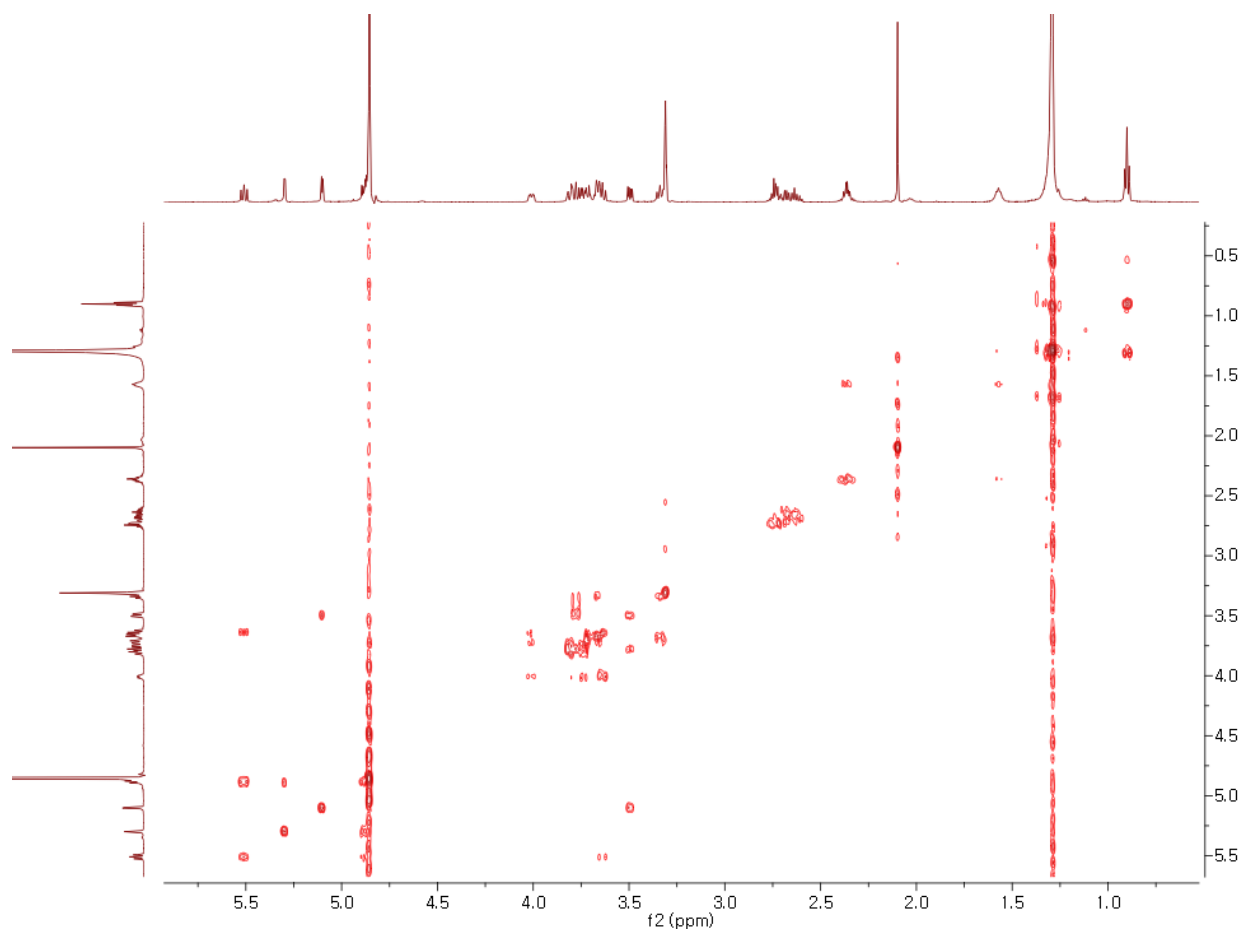


Figure S16. ^1H - ^1H COSY spectrum of **2** (CD_3OD).

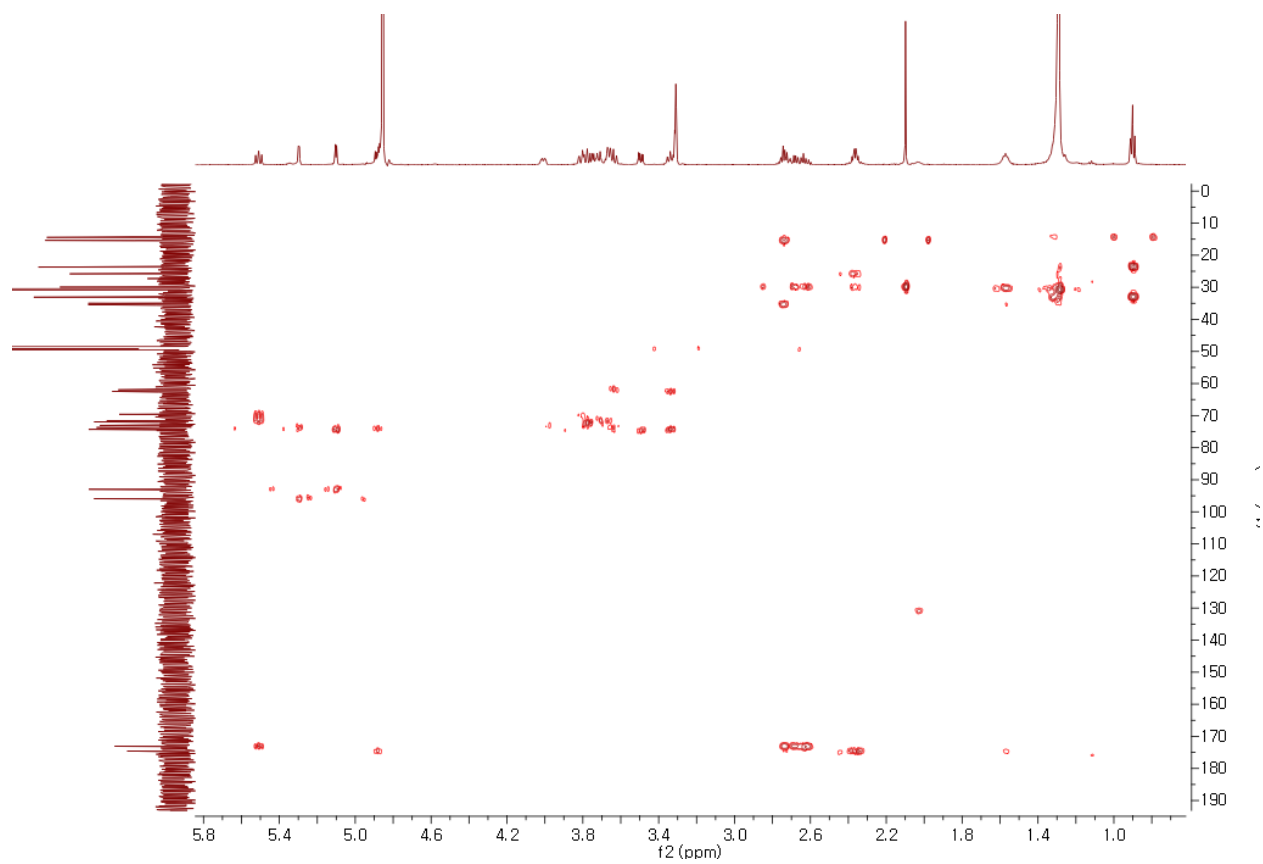


Figure S17. HMBC spectrum of **2** (CD₃OD).

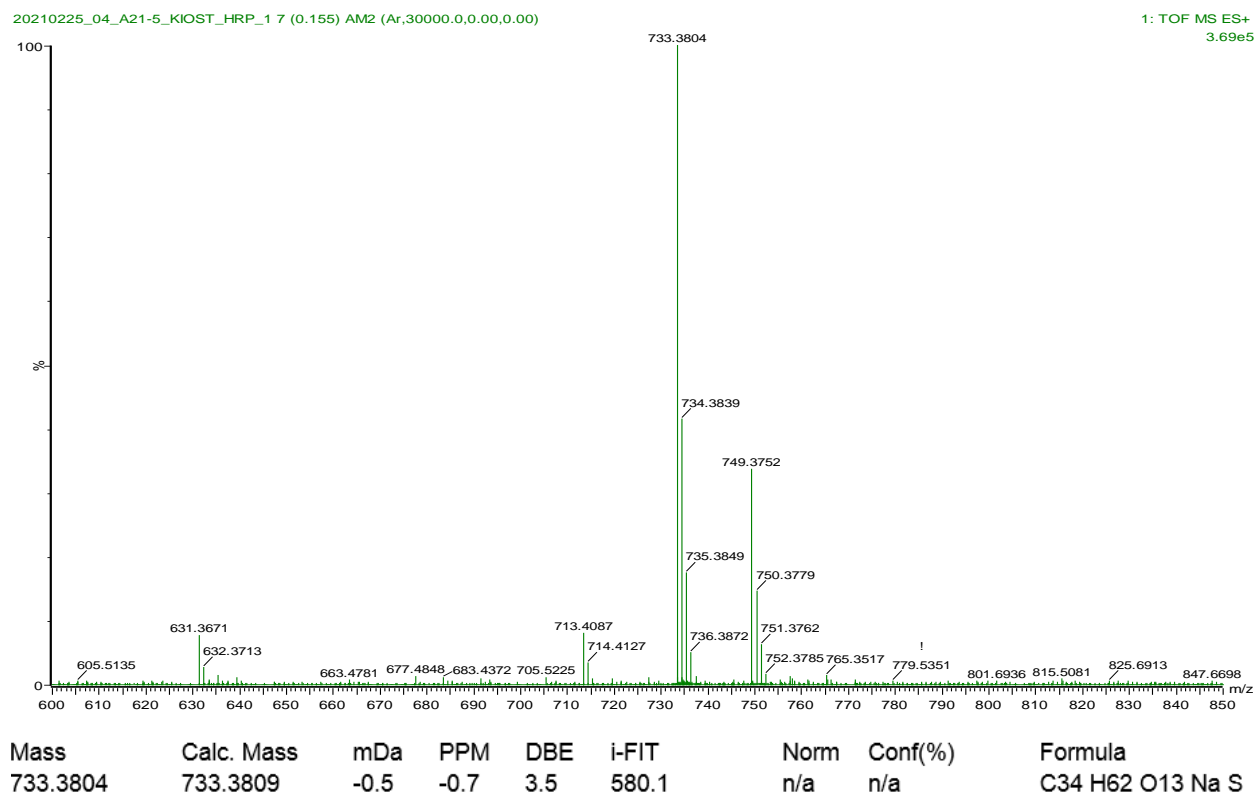


Figure S18. HRESIMS data of 2.

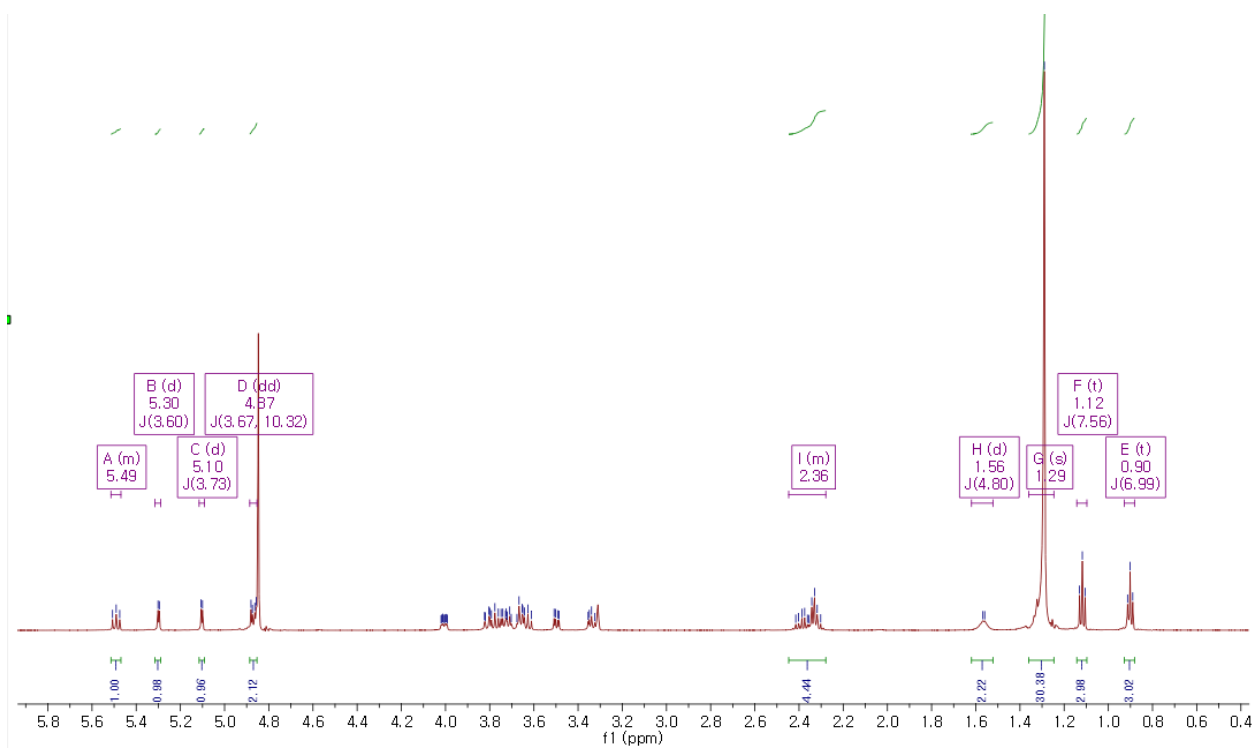


Figure S19. ^1H NMR spectrum of 3 (CD_3OD , 600 MHz).

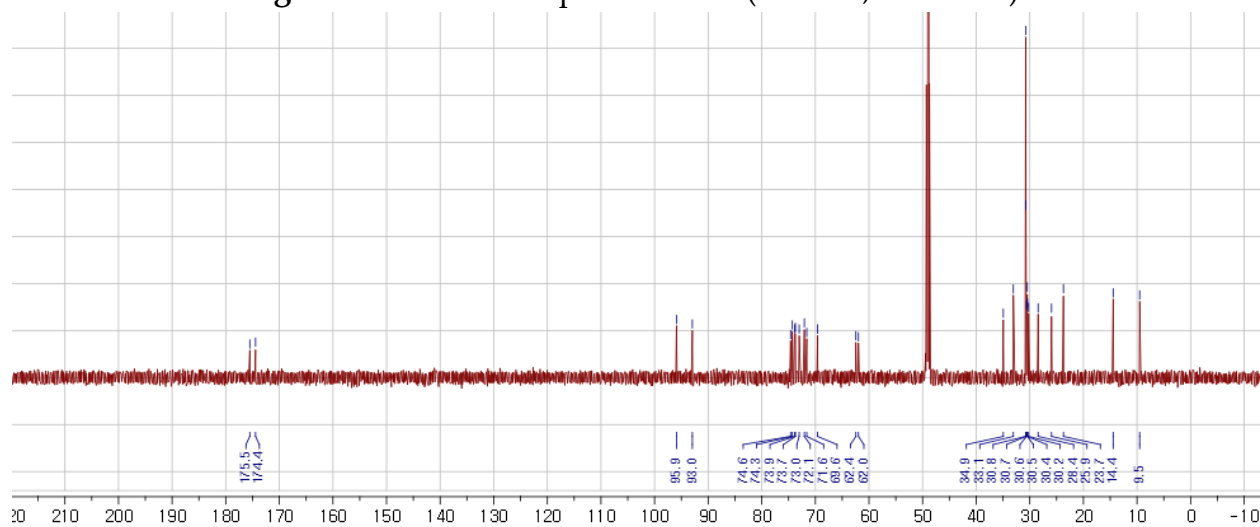


Figure S20. ^{13}C NMR spectrum of 3 (CD_3OD , 150 MHz).

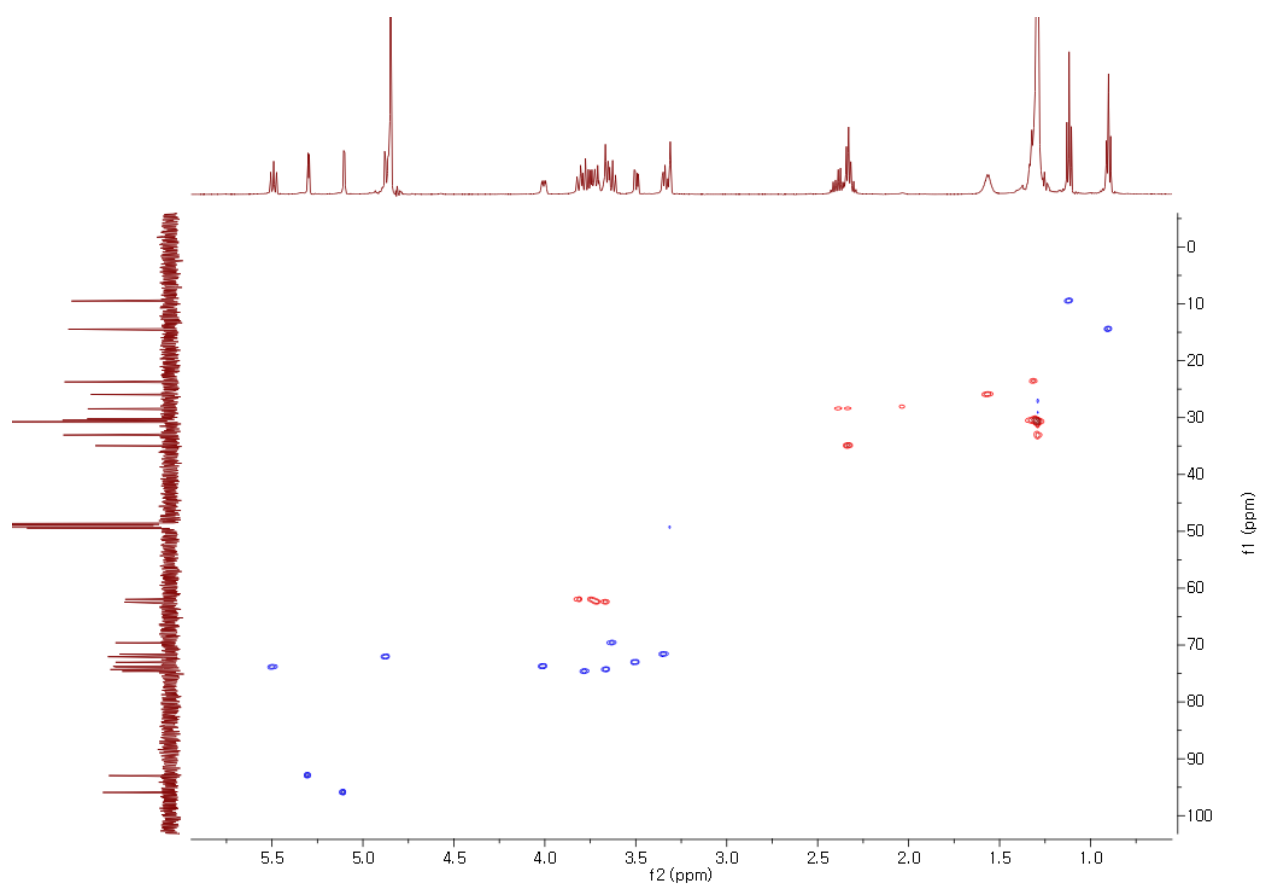


Figure S21. HSQC spectrum of **3** (CD_3OD).

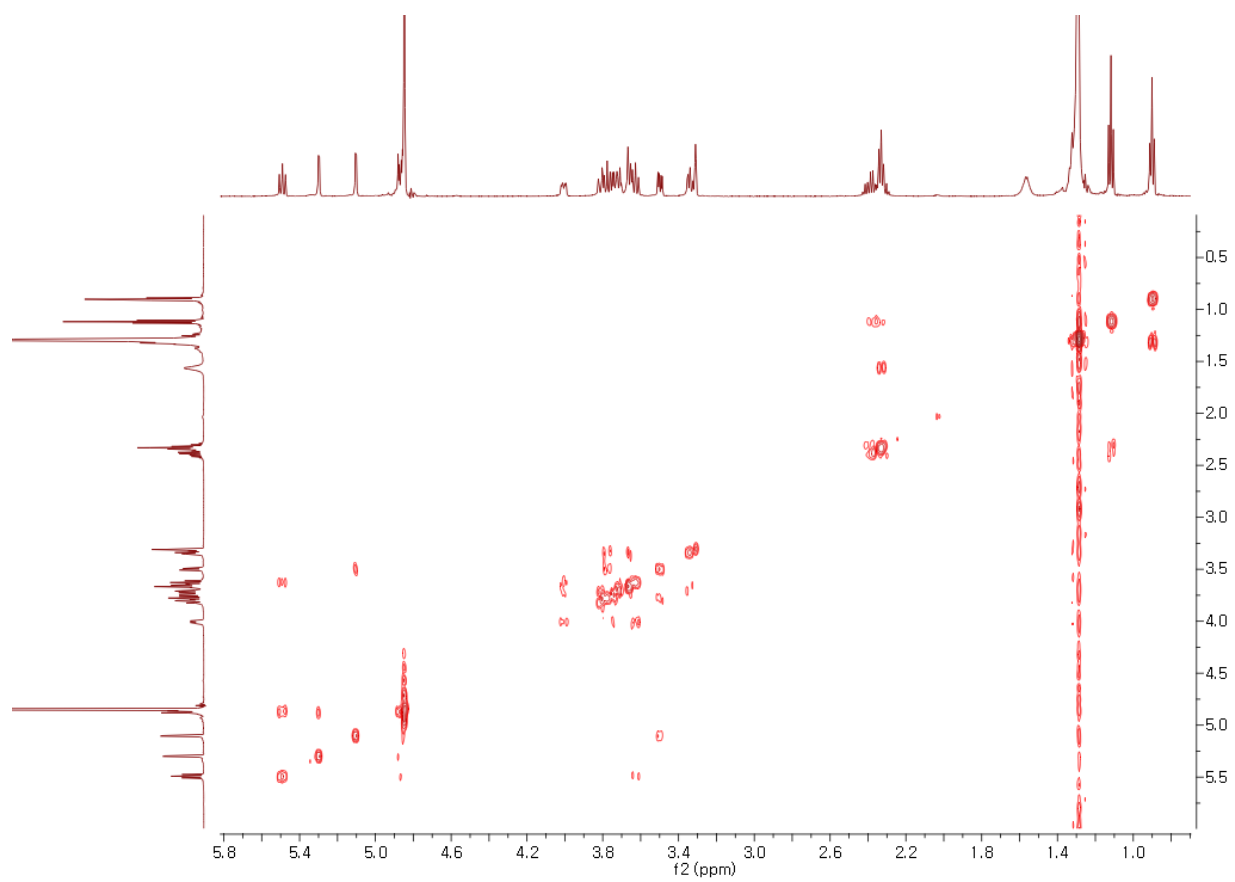


Figure S22. ^1H - ^1H COSY spectrum of **3** (CD_3OD).

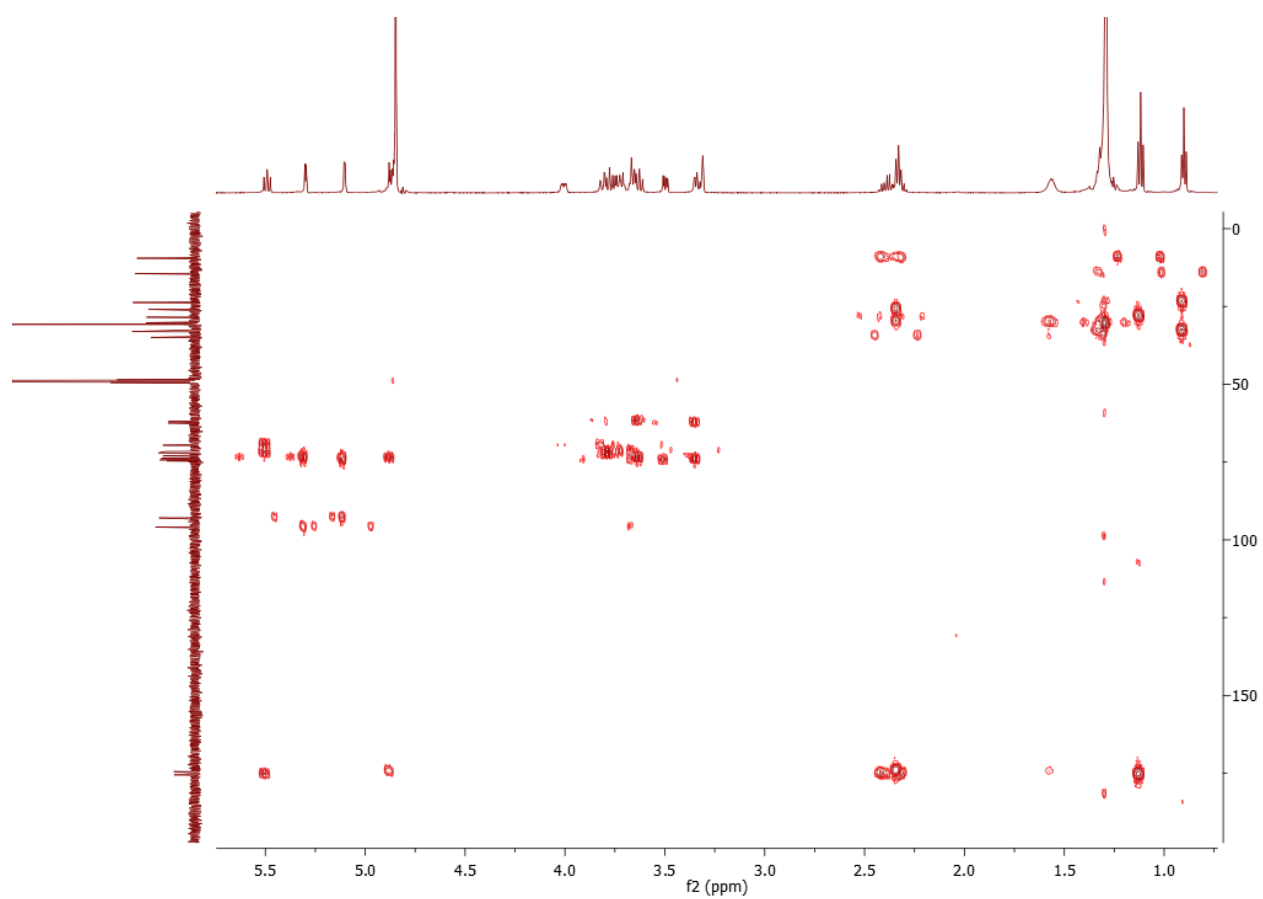


Figure S23. HMBC spectrum of **3** (CD₃OD).

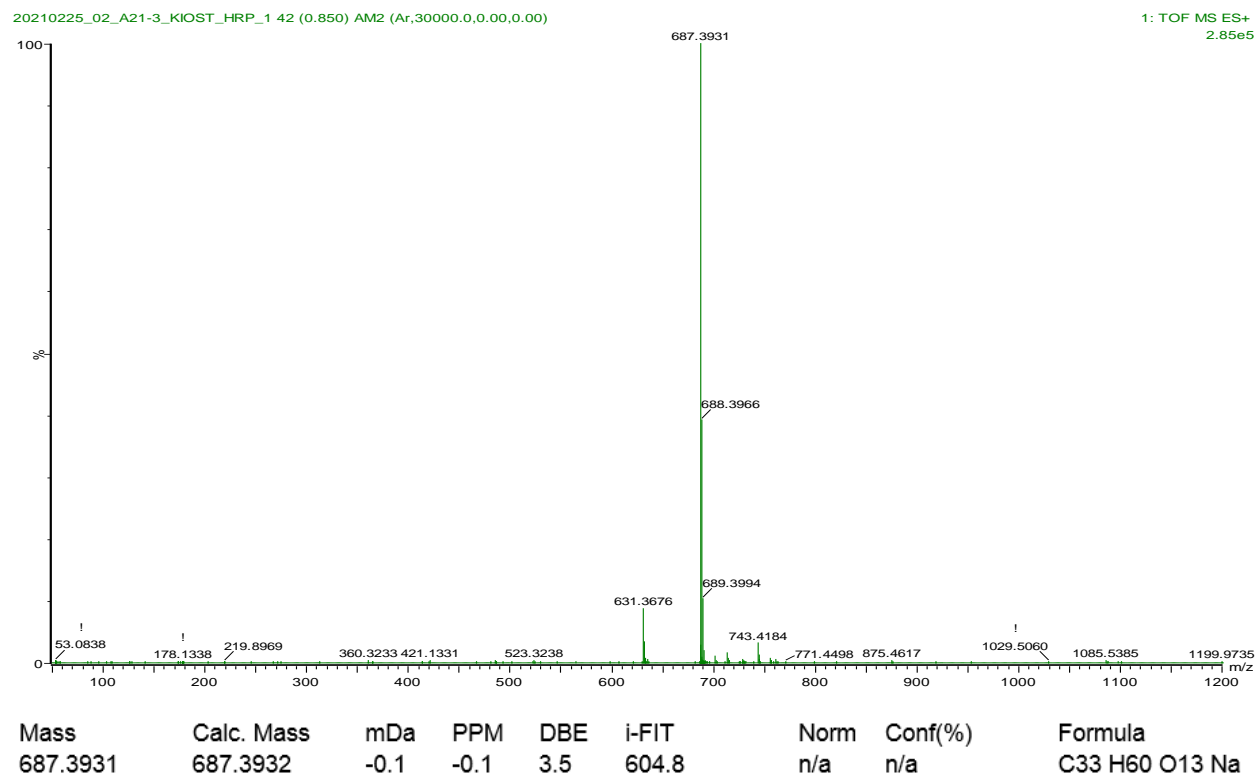


Figure S24. HRESIMS data of **3**.

Sugar analysis

Column 250 x 4.6

f = 1 ml/min

t = 0 -> 50 min

10 -> 100% ACN in H₂O

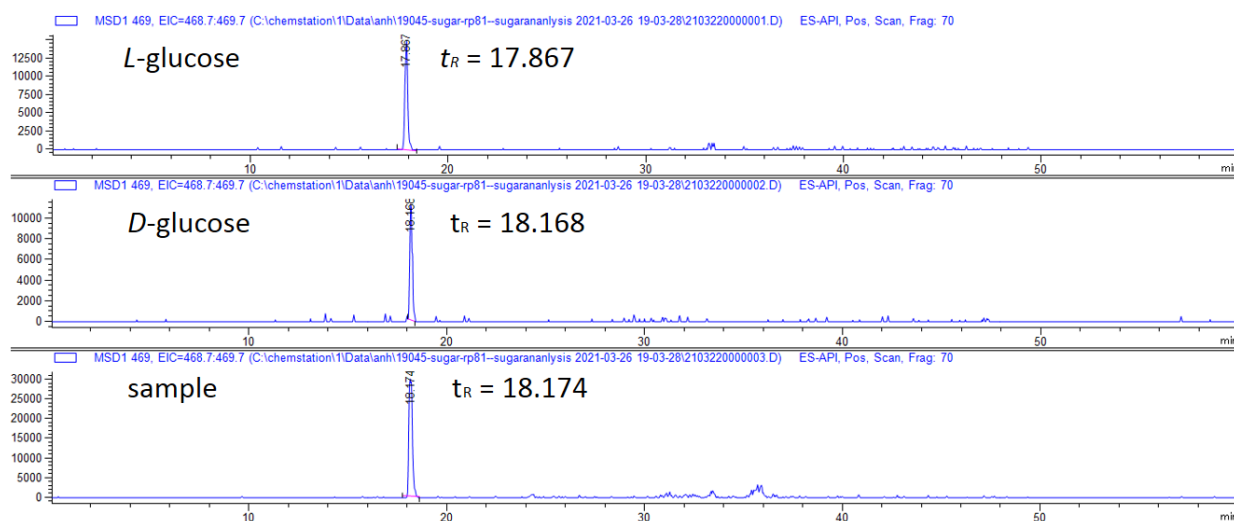


Figure S25. Analysis of sugar moieties.

NUGC-3					
Conc.(ug/ml)	1		Conc.(ug/ml)	Adriamycin	
	Mean	SD		Mean	SD
30	-16.77	8.02	3	-14.45	7.71
10	28.63	6.86	1	-7.62	7.46
3	73.93	9.04	0.3	22.86	5.66
1	82.84	9.09	0.1	38.30	6.50
0.3	94.75	5.06	0.03	91.21	3.56
GI50	5.062		GI50	0.088	
GI50 μ M	9.79			0.16	

HCT-15					
Conc.(ug/ml)	1		Conc.(ug/ml)	Adriamycin	
	Mean	SD		Mean	SD
30	-11.58	10.53	3	-13.39	3.44
10	21.13	2.87	1	-0.42	5.46
3	82.62	3.27	0.3	11.15	3.39
1	91.65	5.78	0.1	25.53	7.97
0.3	100.32	2.57	0.03	93.14	3.06
GI50	5.618		GI50	0.070	
GI50 μ M	10.87			0.13	

MDA-MB-231					
Conc.(ug/ml)	1		Conc.(ug/ml)	Adriamycin	
	Mean	SD		Mean	SD
30	-13.23	6.64	3	-11.82	3.32
10	21.78	8.41	1	-2.04	5.54
3	67.98	7.89	0.3	17.73	6.55
1	81.05	6.60	0.1	38.89	3.59
0.3	93.04	2.64	0.03	90.63	5.03
GI50	4.157		GI50	0.086	
GI50 μ M	8.04			0.16	

NCI-H23					
Conc.(ug/ml)	1		Conc.(ug/ml)	Adriamycin	
	Mean	SD		Mean	SD
30	-9.90	4.35	3	-16.77	7.55
10	26.41	5.72	1	-8.45	3.60
3	76.13	6.61	0.3	18.45	7.82
1	86.44	8.76	0.1	27.85	4.89
0.3	93.90	4.21	0.03	94.57	6.63
GI50	5.293		GI50	0.073	
GI50 μ M	10.24			0.14	

PC-3					
Conc.(ug/ml)	1		Conc.(ug/ml)	Adriamycin	
	Mean	SD		Mean	SD
30	-11.94	5.95	3	-12.75	4.01
10	25.05	8.61	1	-3.61	2.60
3	70.41	7.68	0.3	24.99	4.83
1	81.93	8.80	0.1	38.72	5.68
0.3	94.75	3.25	0.03	96.51	6.20
GI50	4.547		GI50	0.094	
GI50 μ M	8.79			0.17	

ACHN					
Conc.(ug/ml)	1		Conc.(ug/ml)	Adriamycin	
	Mean	SD		Mean	SD
30	-12.29	7.98	3	-11.38	5.10
10	39.66	4.73	1	-3.93	3.20
3	67.85	6.68	0.3	25.42	4.90
1	83.53	2.69	0.1	36.65	8.65
0.3	97.09	2.25	0.03	94.22	2.84
GI50	5.219		GI50	0.090	
GI50 μ M	10.09			0.17	

Figure S26. Results of the cytotoxicity test of 1.

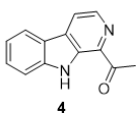


Figure S27. ^1H NMR spectrum of **4** (DMSO- d_6 , 600 MHz).

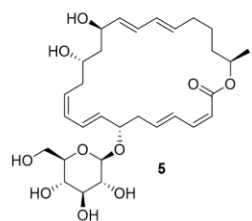


Figure S28. ^1H NMR spectrum of **5** (CD_3OD , 600 MHz).

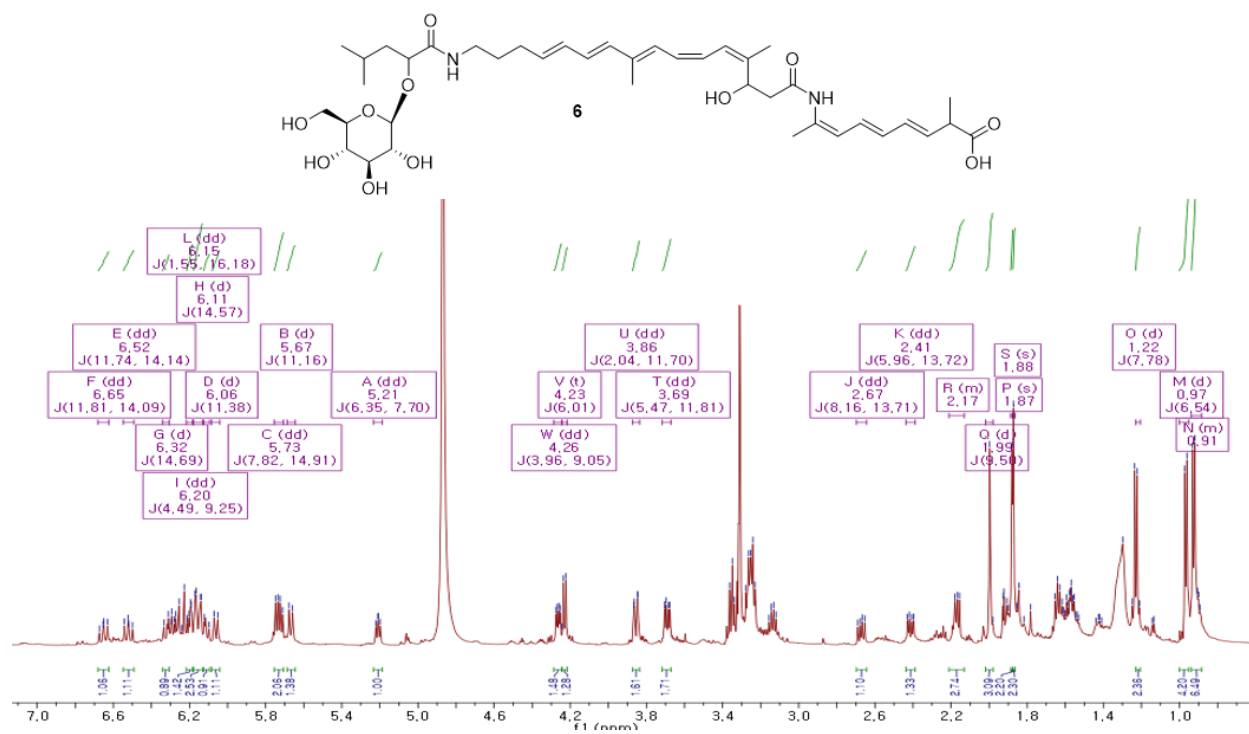


Figure S29. ^1H NMR spectrum of **6** (CD₃OD, 600 MHz).