

Supporting Information

Chemical constituents of *Euphorbia stracheyi* Boiss (Euphorbiaceae)

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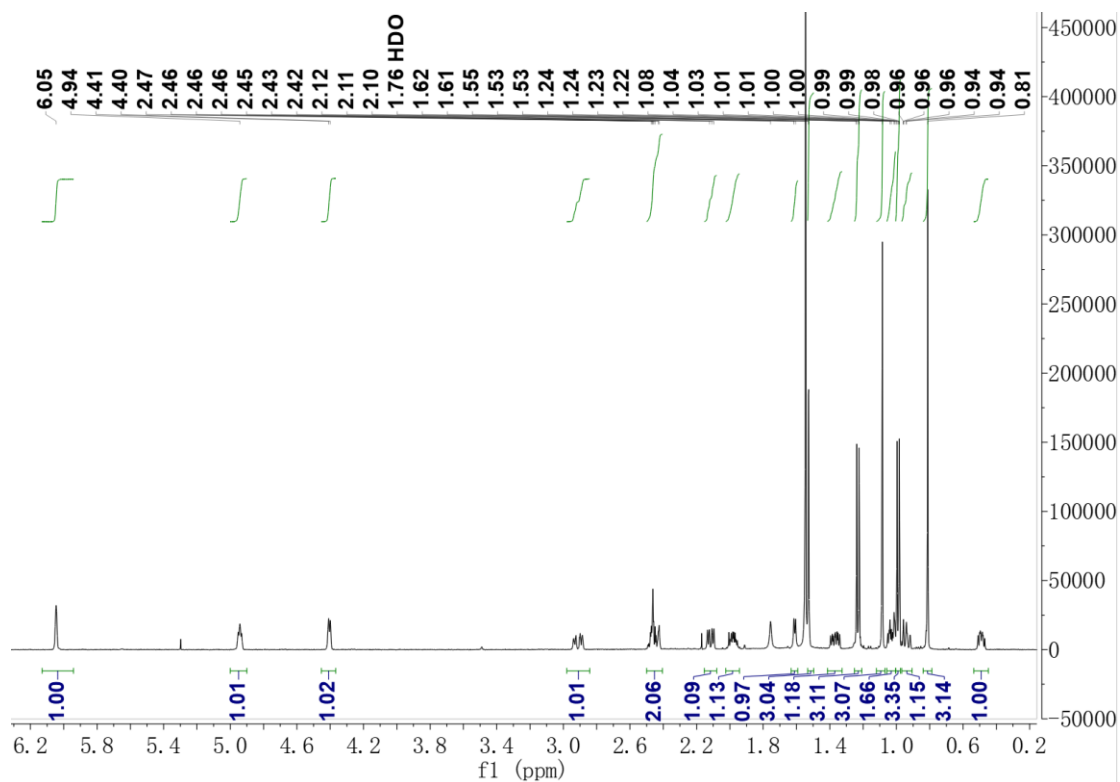


Figure S1. ¹H NMR (CDCl₃) spectrum of compound **1**

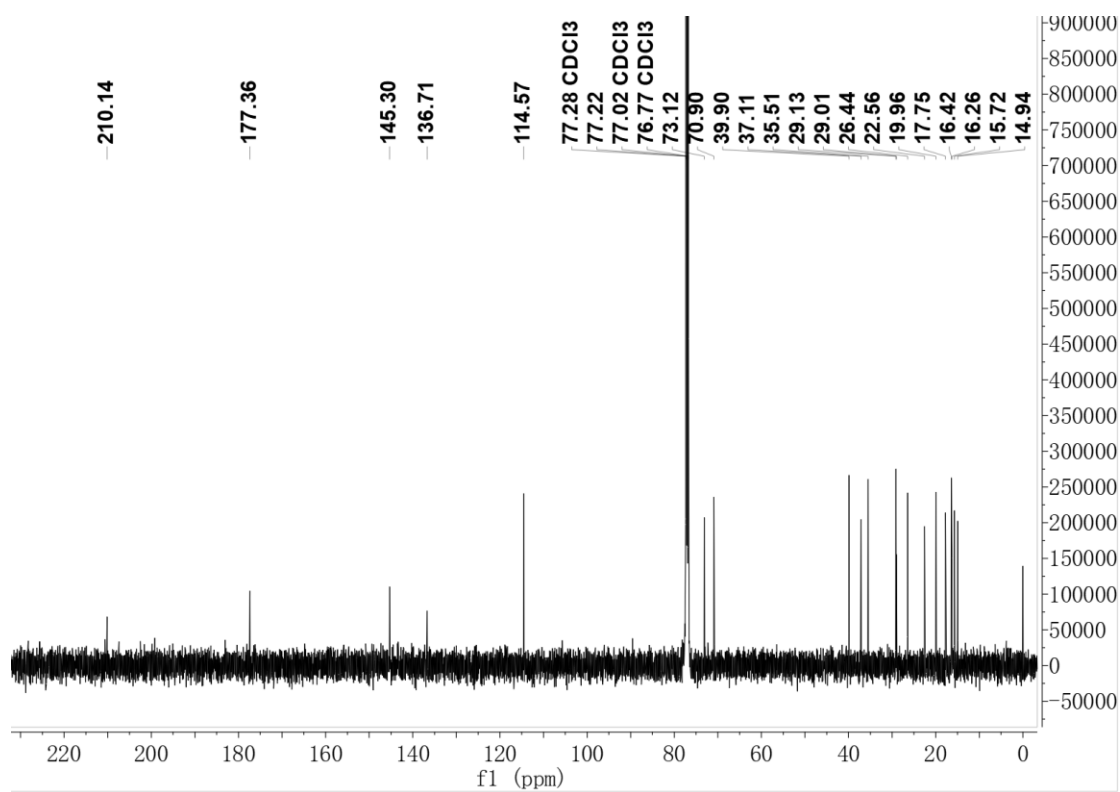


Figure S2. ¹³C NMR (CDCl₃) spectrum of compound **1**

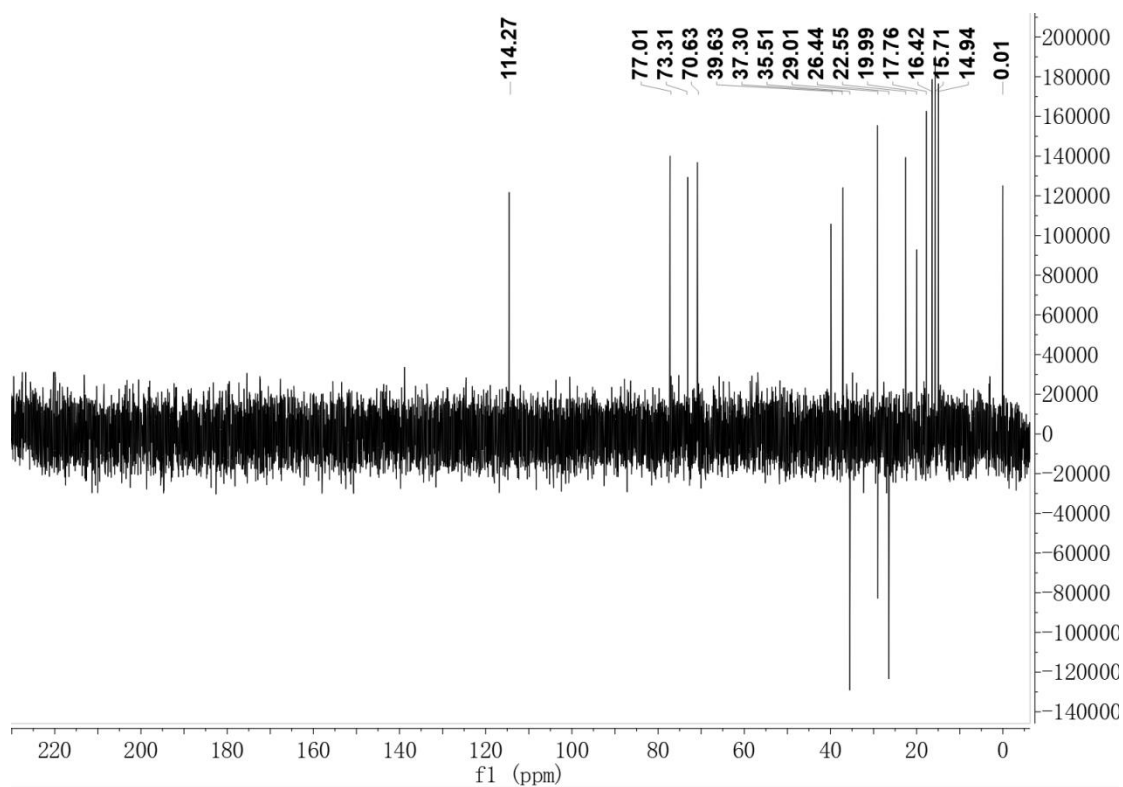


Figure S3. DEPT135 NMR (CDCl₃) spectrum of compound **1**

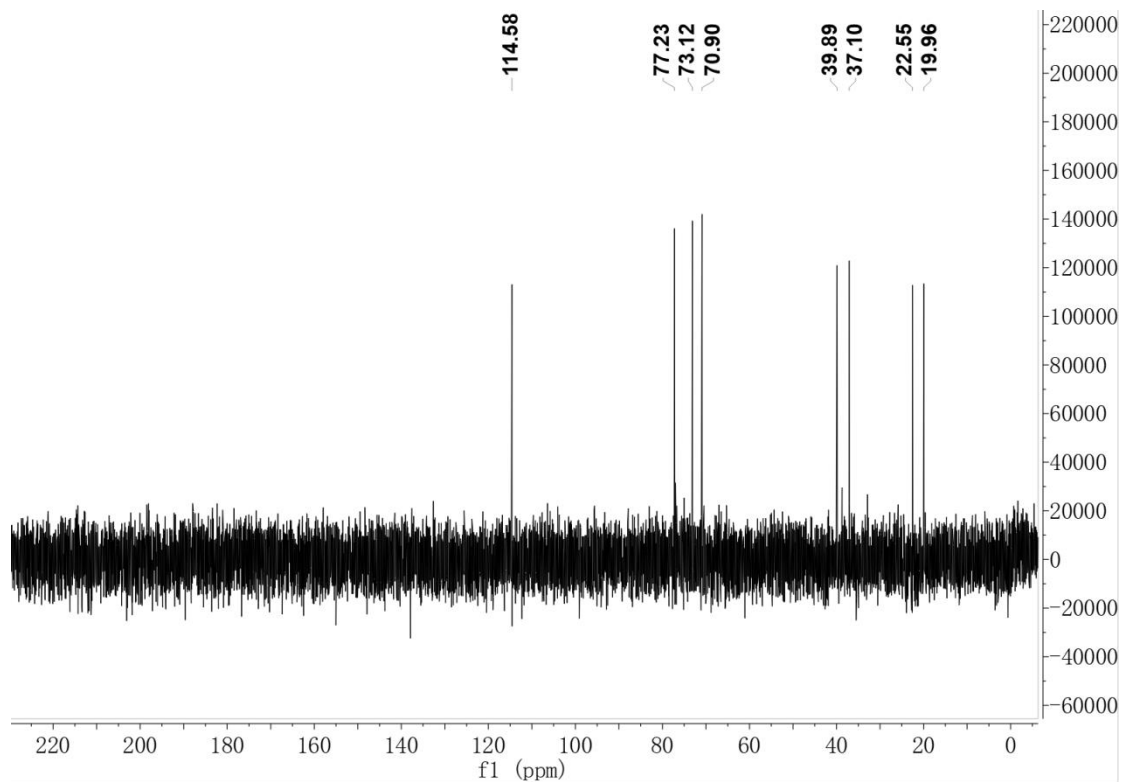


Figure S4. DEPT90 NMR (CDCl₃) spectrum of compound **1**

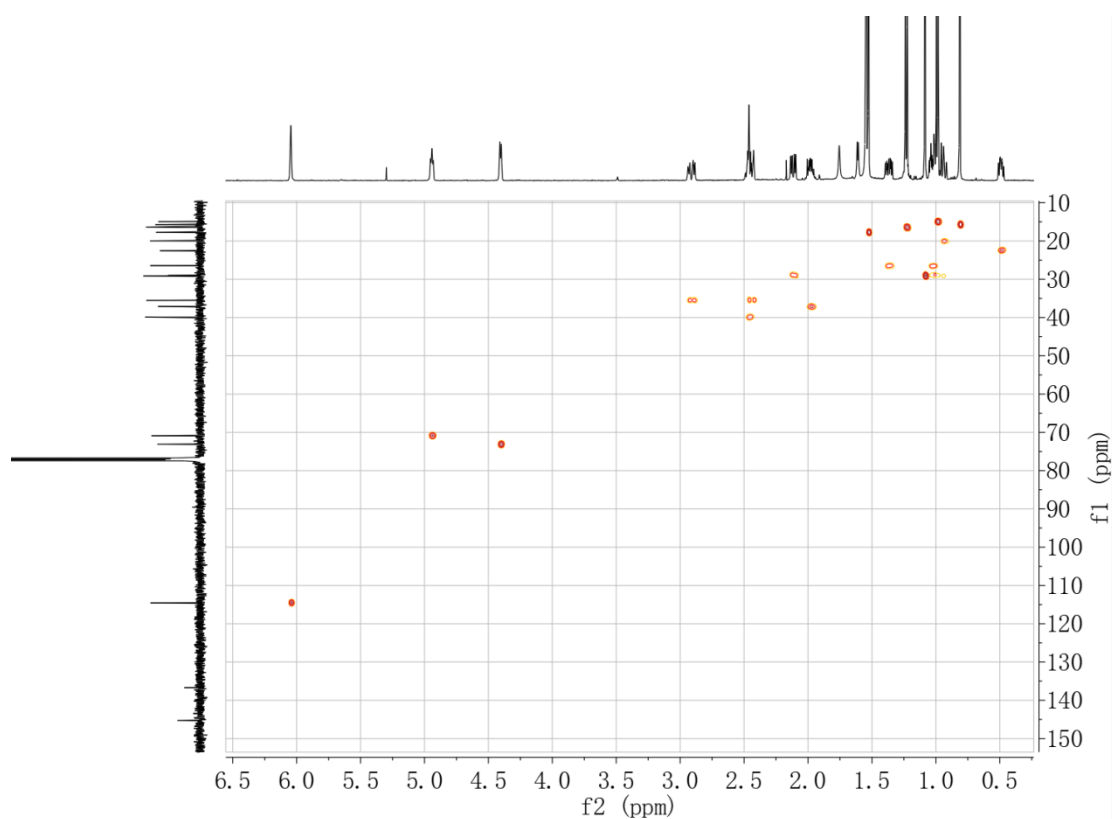


Figure S5. HSQC (CDCl₃) spectrum of compound **1**

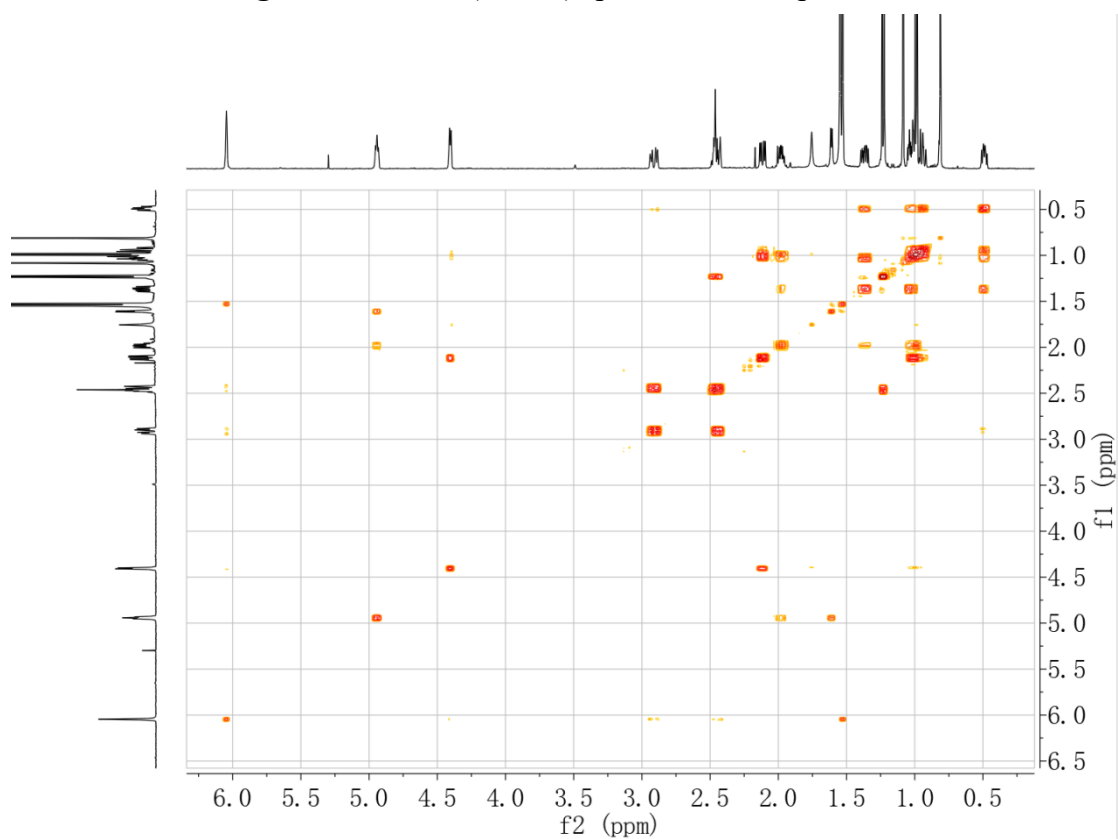


Figure S6. ¹H-¹H COSY (CDCl₃) spectrum of compound **1**

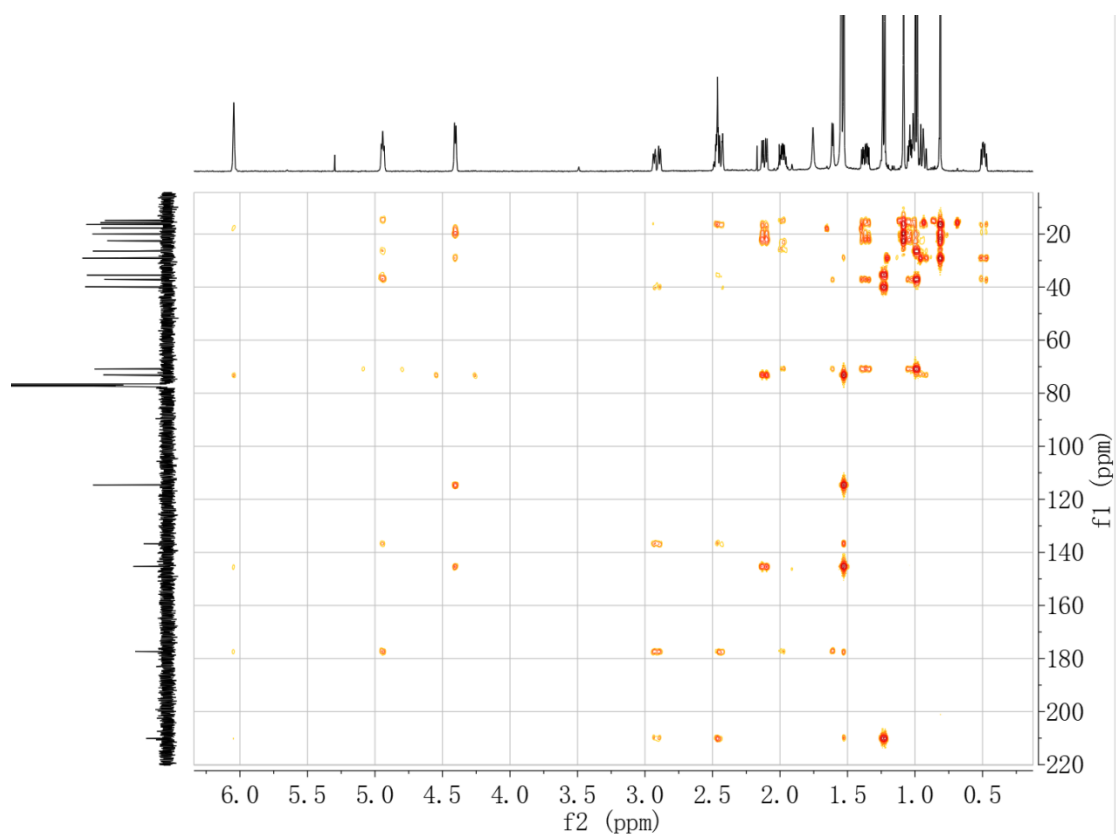


Figure S7. HMBC (CDCl₃) spectrum of compound **1**

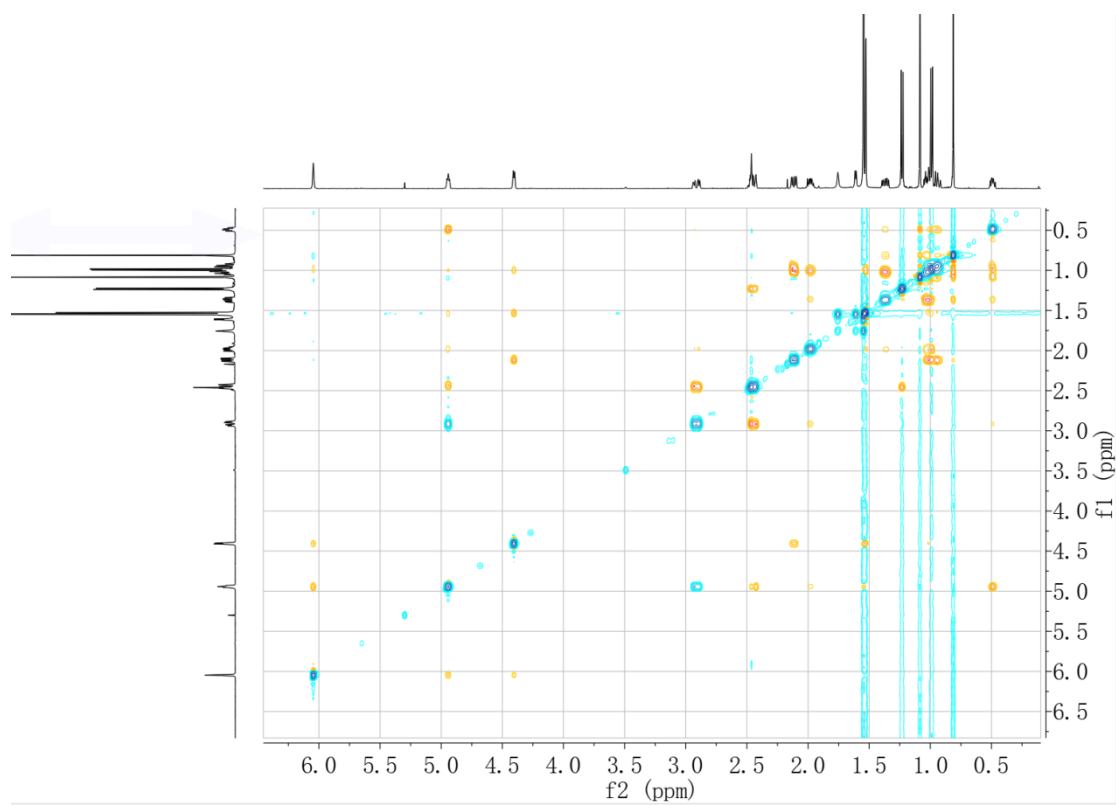


Figure S8. ROESY (CDCl₃) spectrum of compound **1**

User Spectra

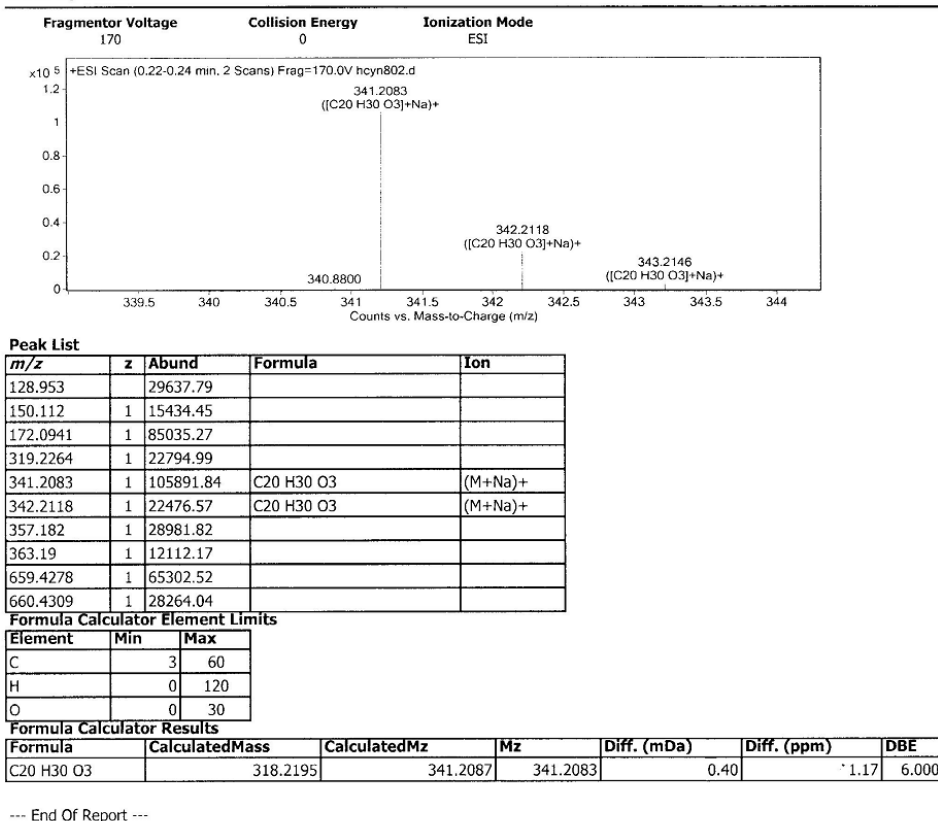


Figure S9. HRESIMS spectrum of compound 1

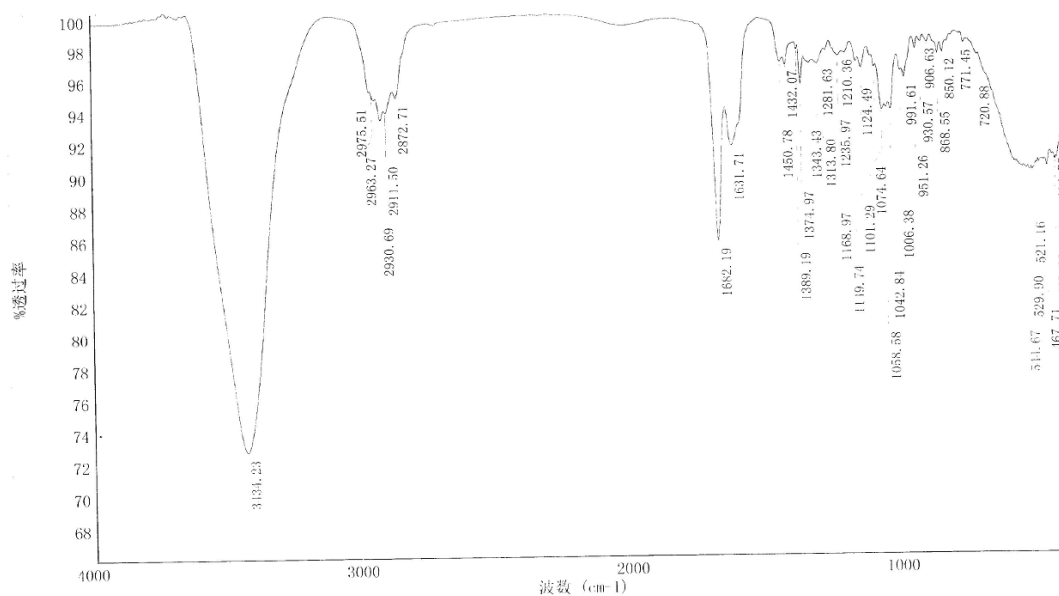


Figure S10. IR spectrum of compound 1

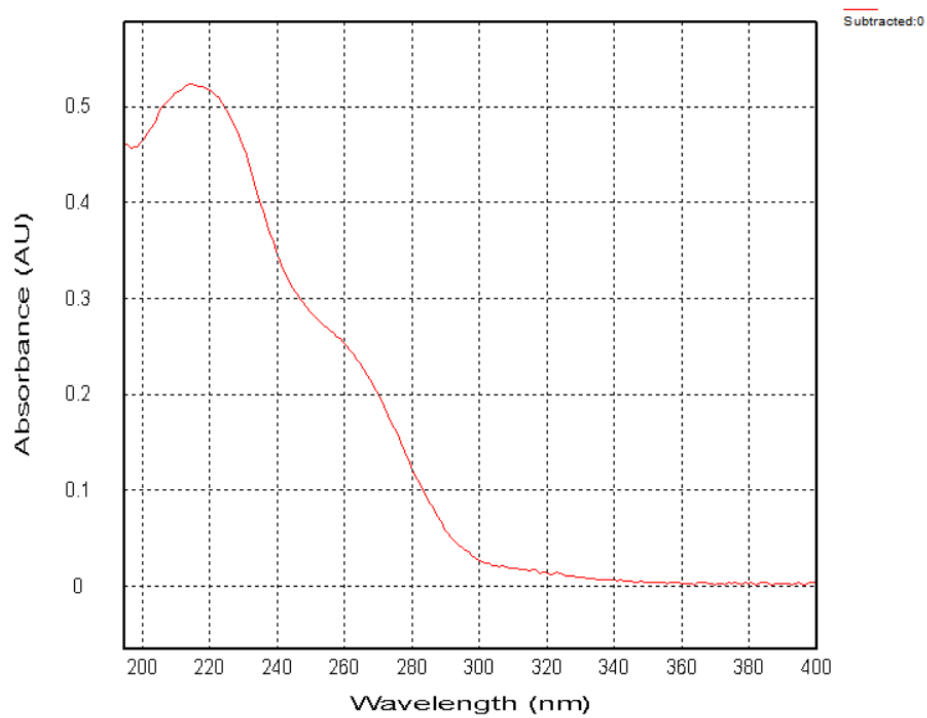


Figure S11. UV spectrum of compound **1**

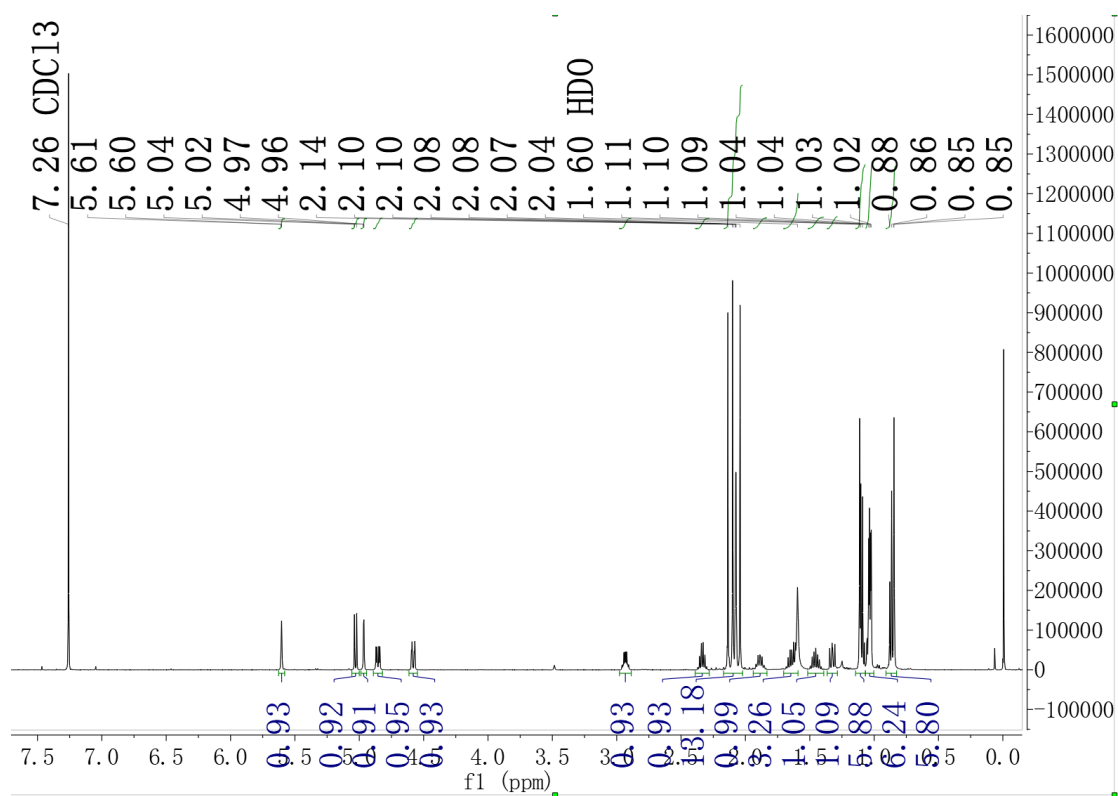


Figure S12. ^1H NMR (CDCl_3) spectrum of compound **2**

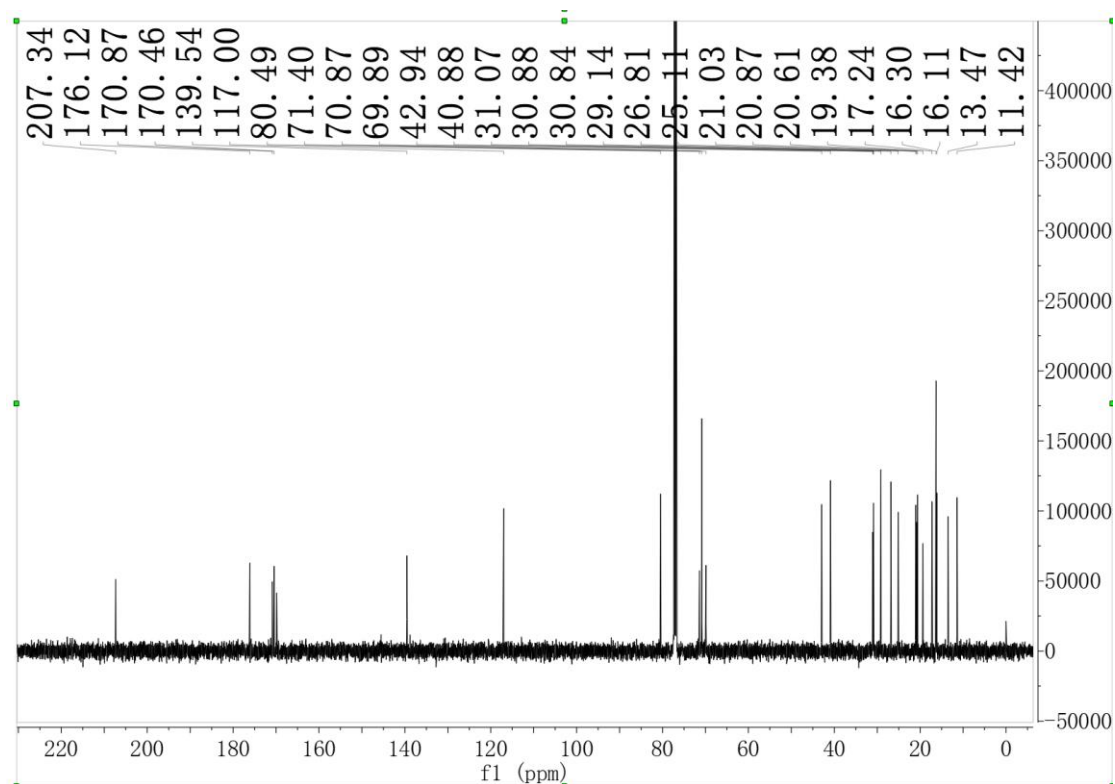


Figure S13. ¹³C NMR (CDCl₃) spectrum of compound **2**

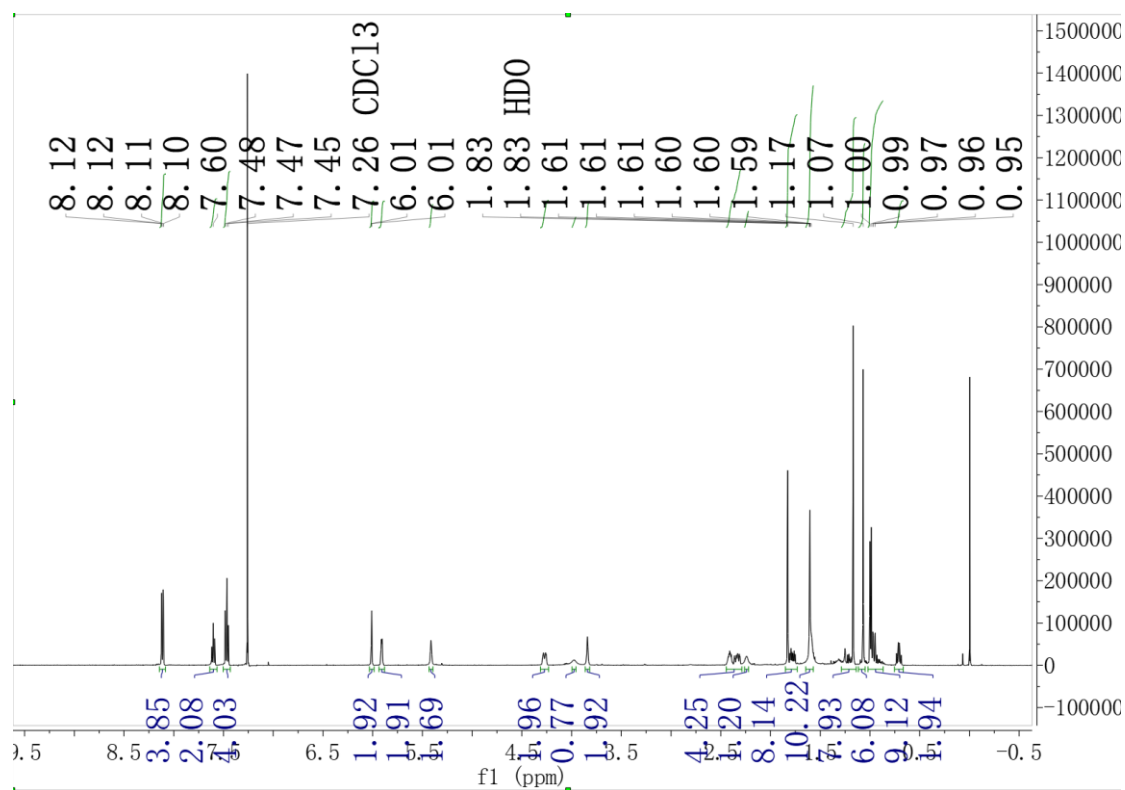


Figure S14. ¹H NMR (CDCl₃) spectrum of compound **3**

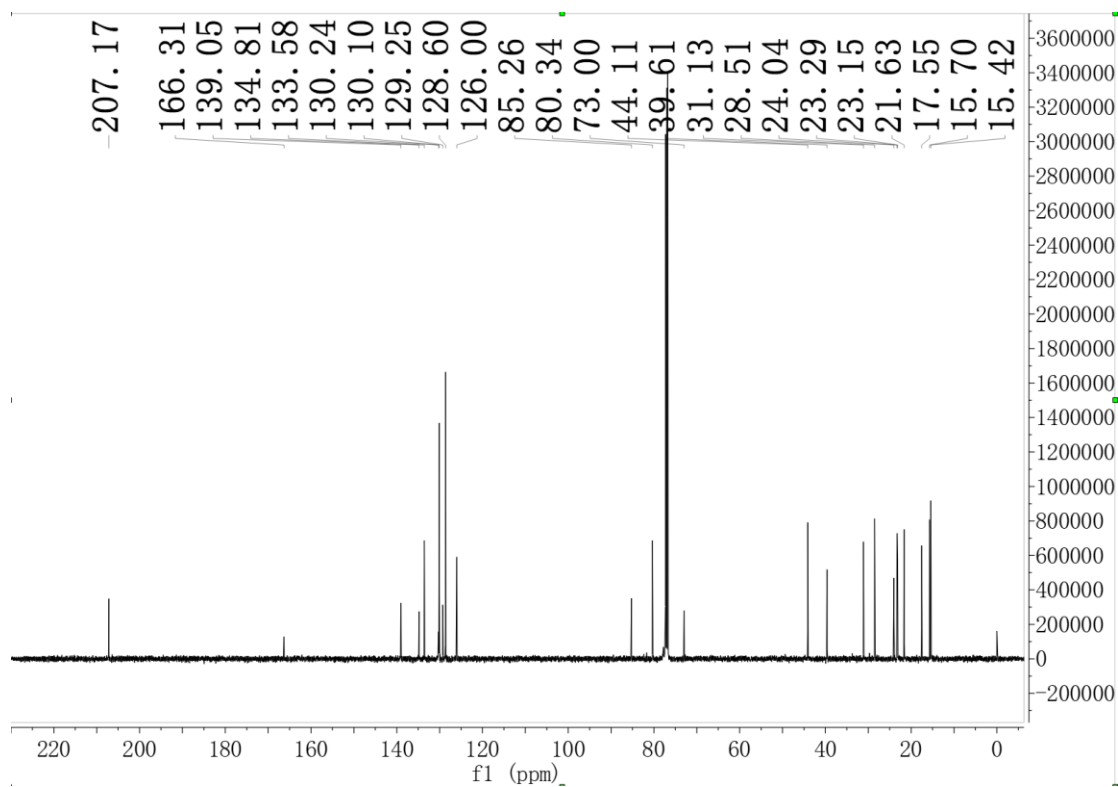


Figure S15. ¹³C NMR (CDCl₃) spectrum of compound 3

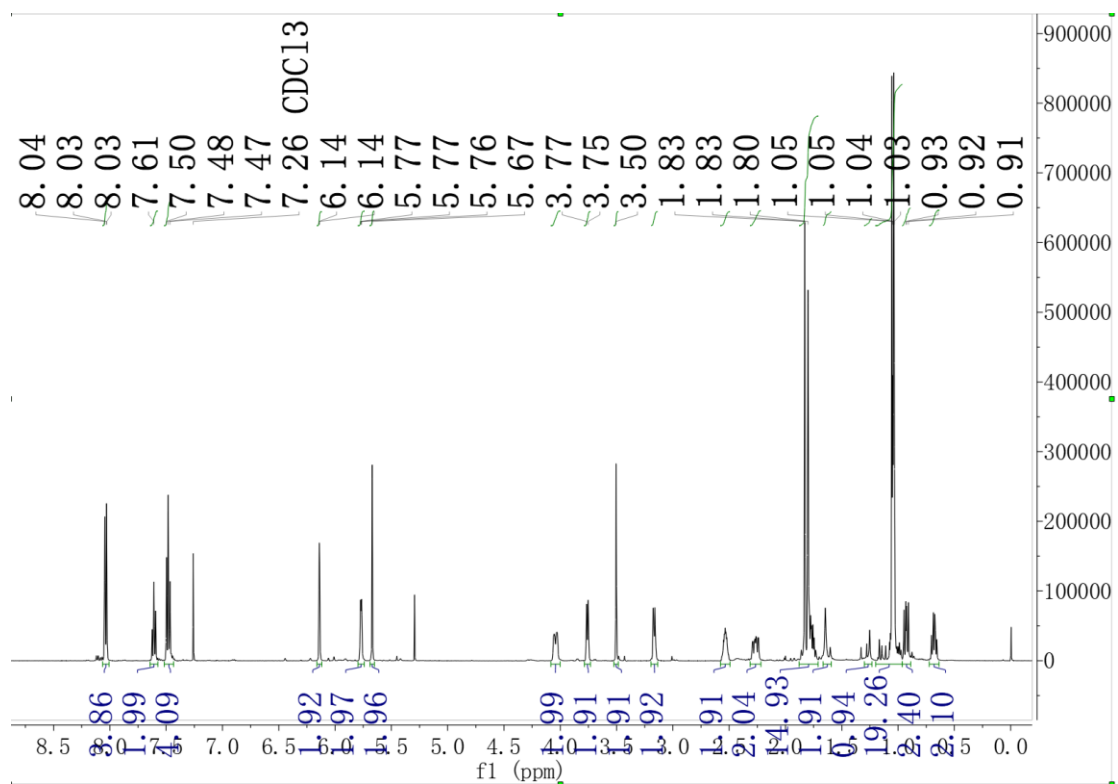


Figure S16. ¹H NMR (CDCl₃) spectrum of compound 4

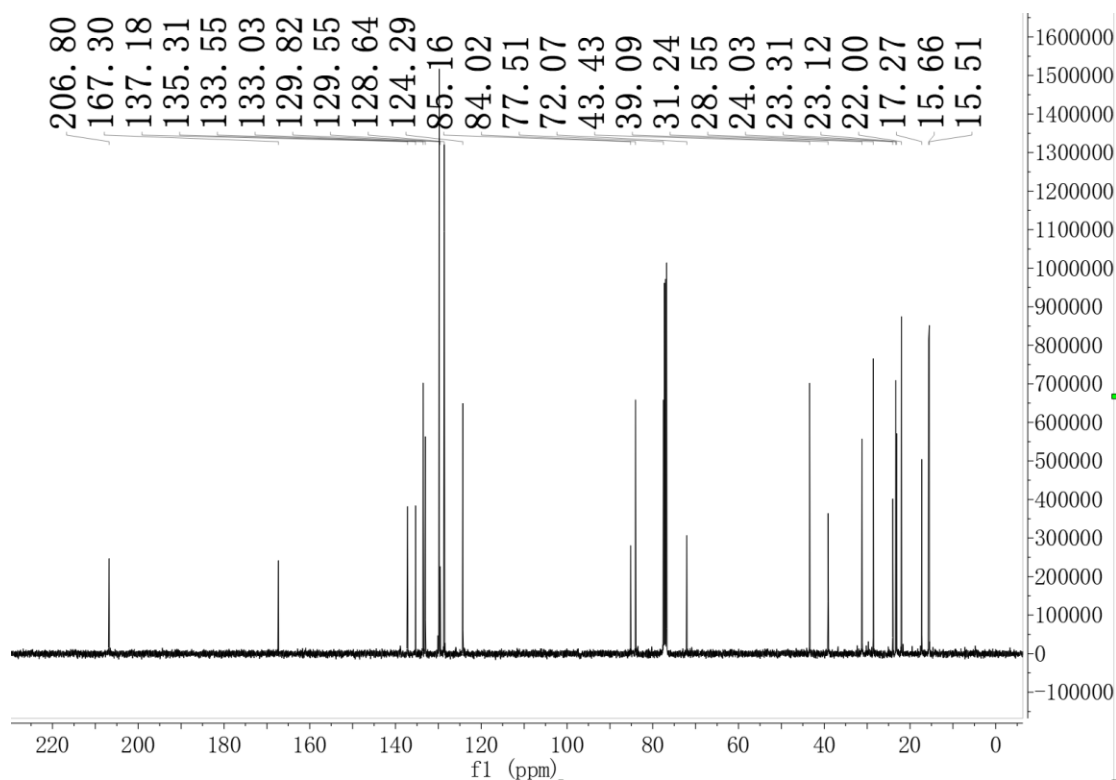


Figure S17. ¹³C NMR (CDCl₃) spectrum of compound 4

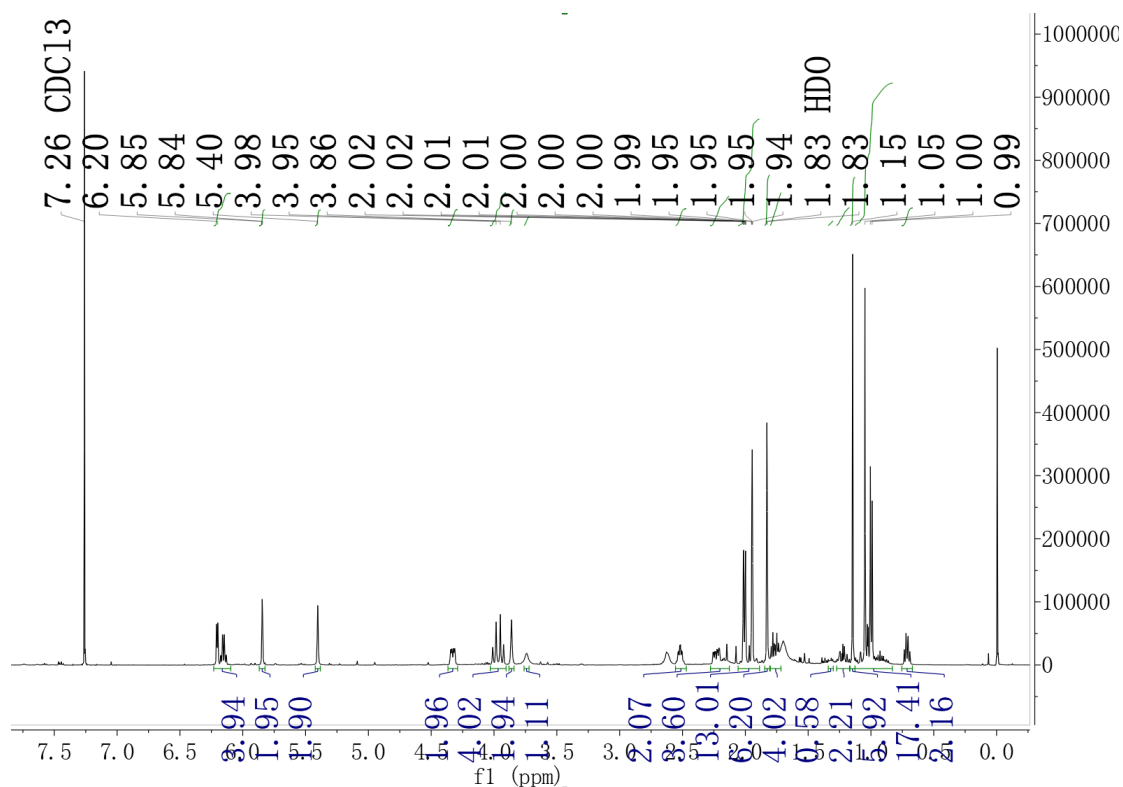


Figure S18. ¹H NMR (CDCl₃) spectrum of compound 5

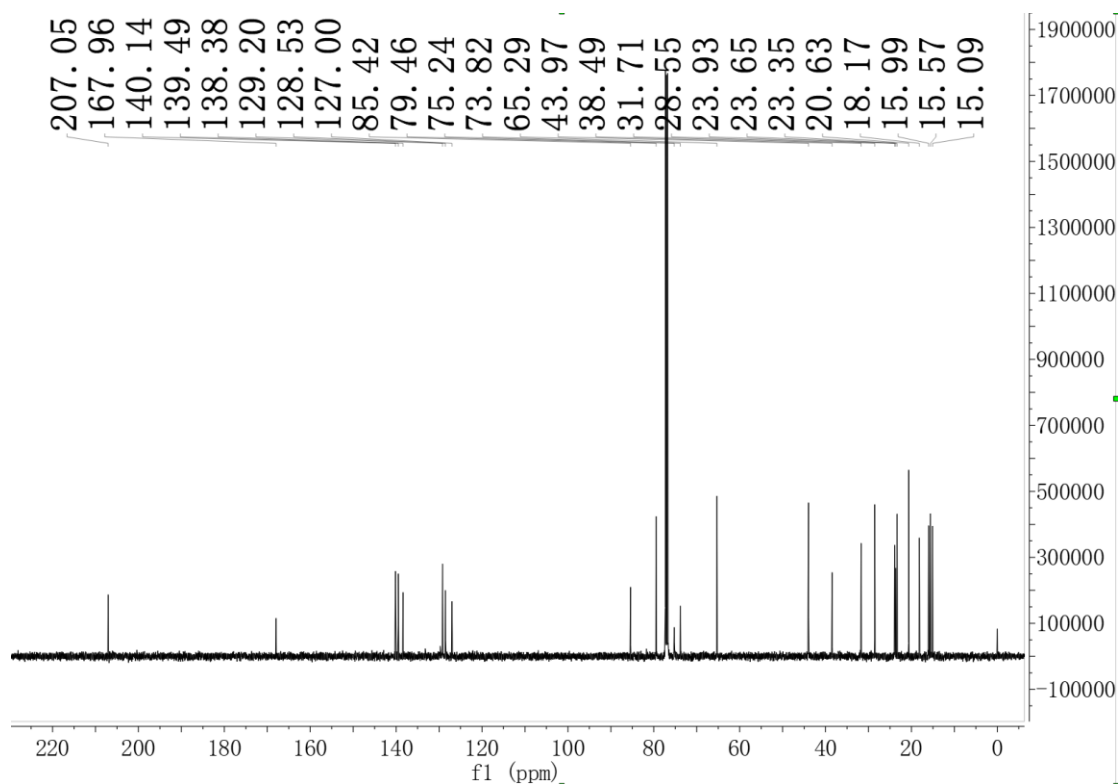


Figure S19. ¹³C NMR (CDCl₃) spectrum of compound **5**

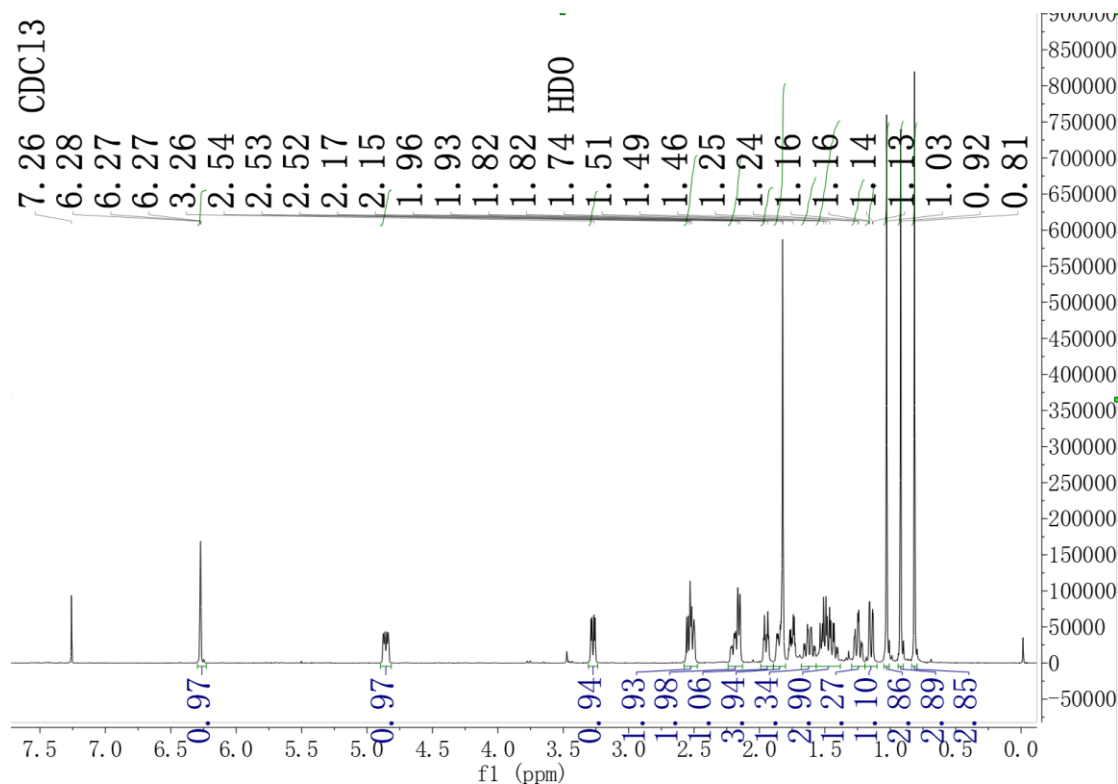


Figure S20. ¹H NMR (CDCl₃) spectrum of compound **6**

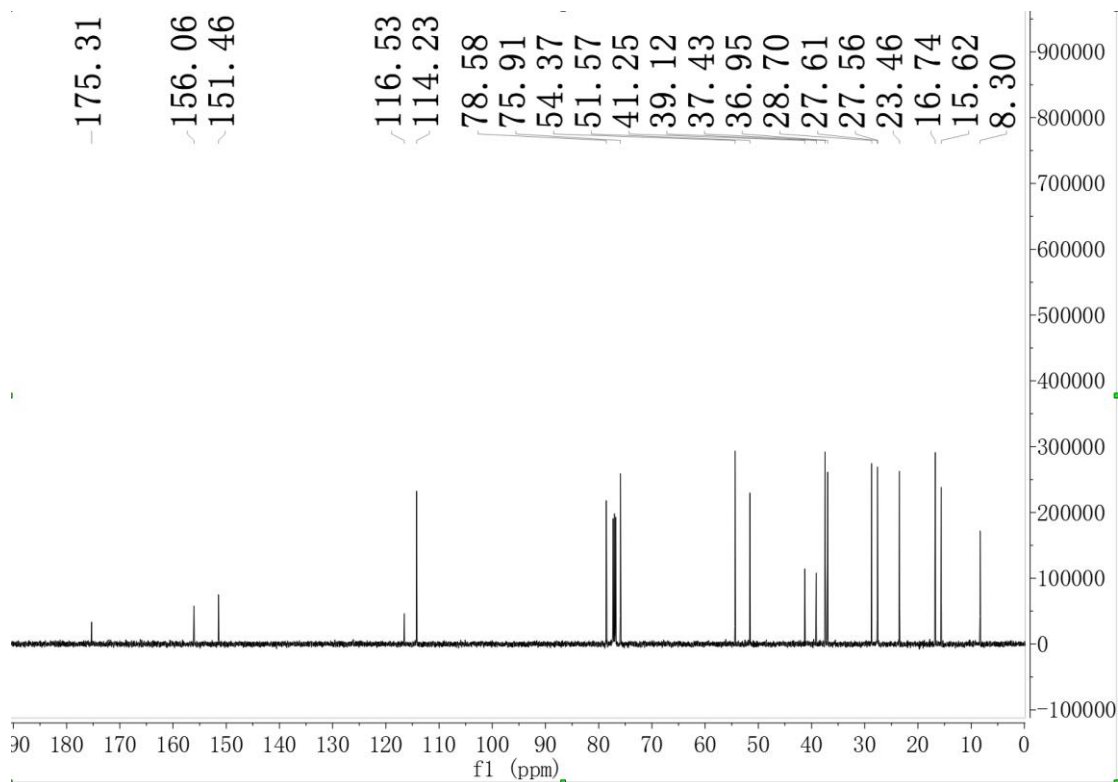


Figure S21. ¹³C NMR (CDCl₃) spectrum of compound 6

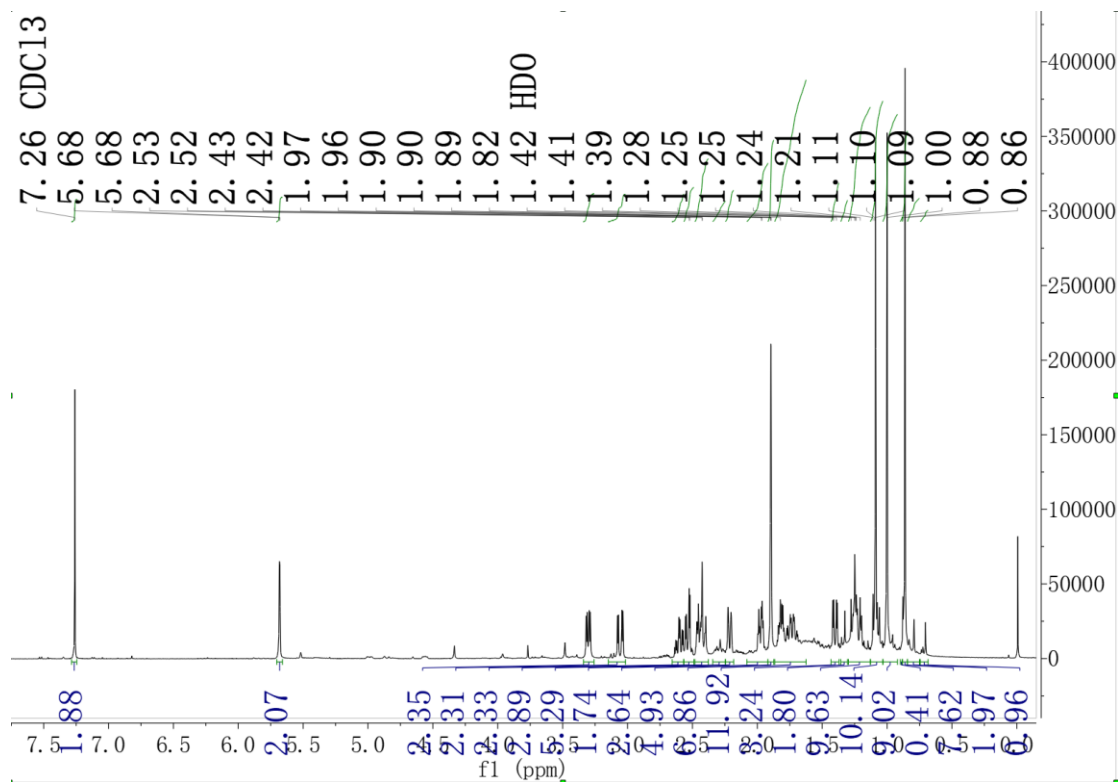


Figure S22. ¹H NMR (CDCl₃) spectrum of compound 7

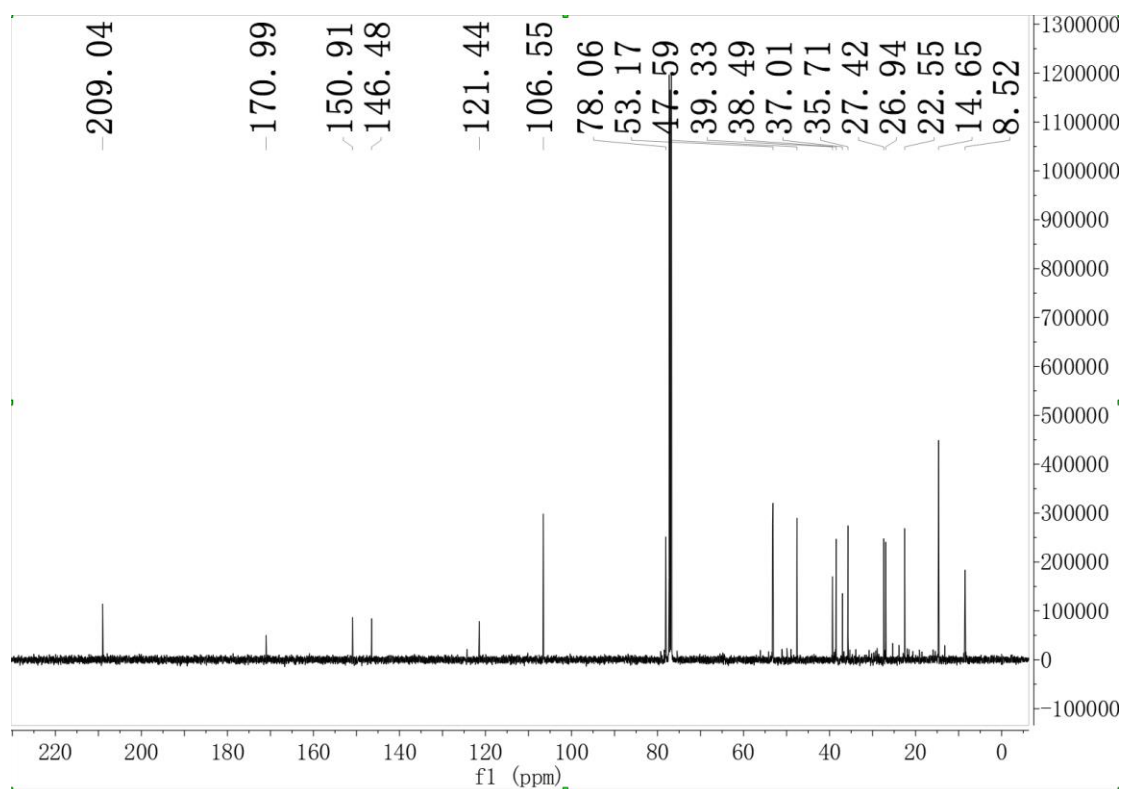


Figure S23. ^{13}C NMR (CDCl_3) spectrum of compound **7**

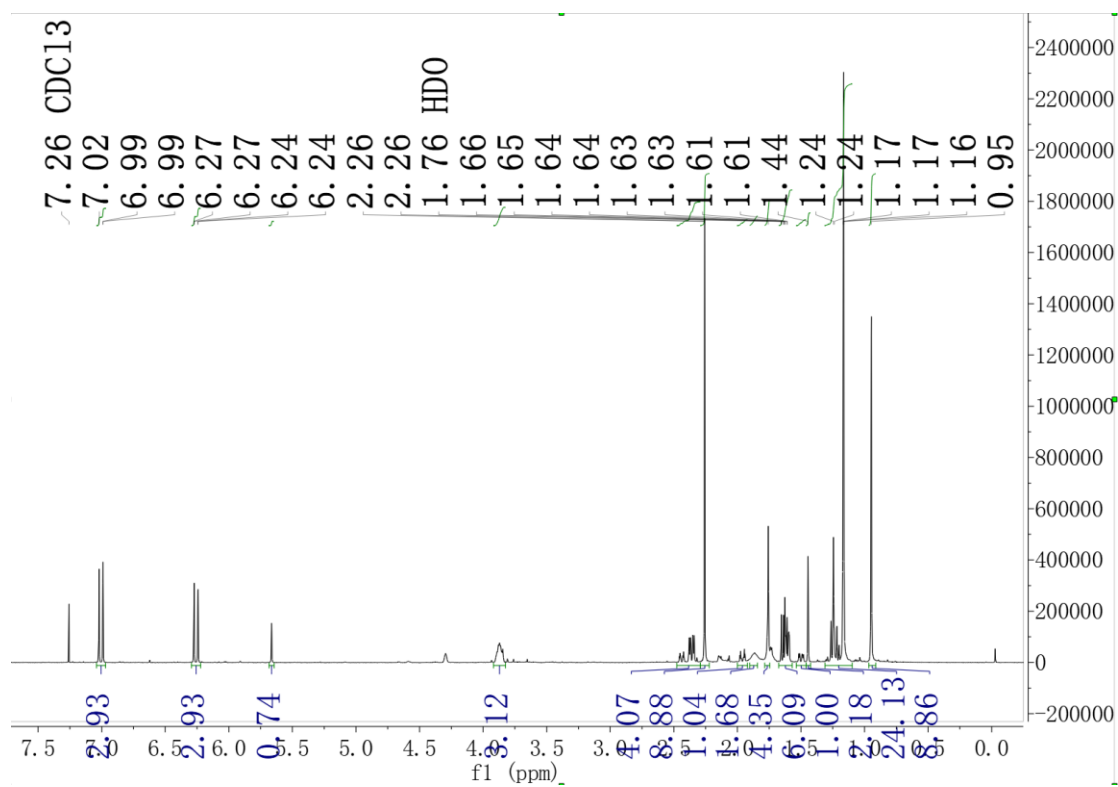


Figure S24. ^1H NMR (CDCl_3) spectrum of compound **8**

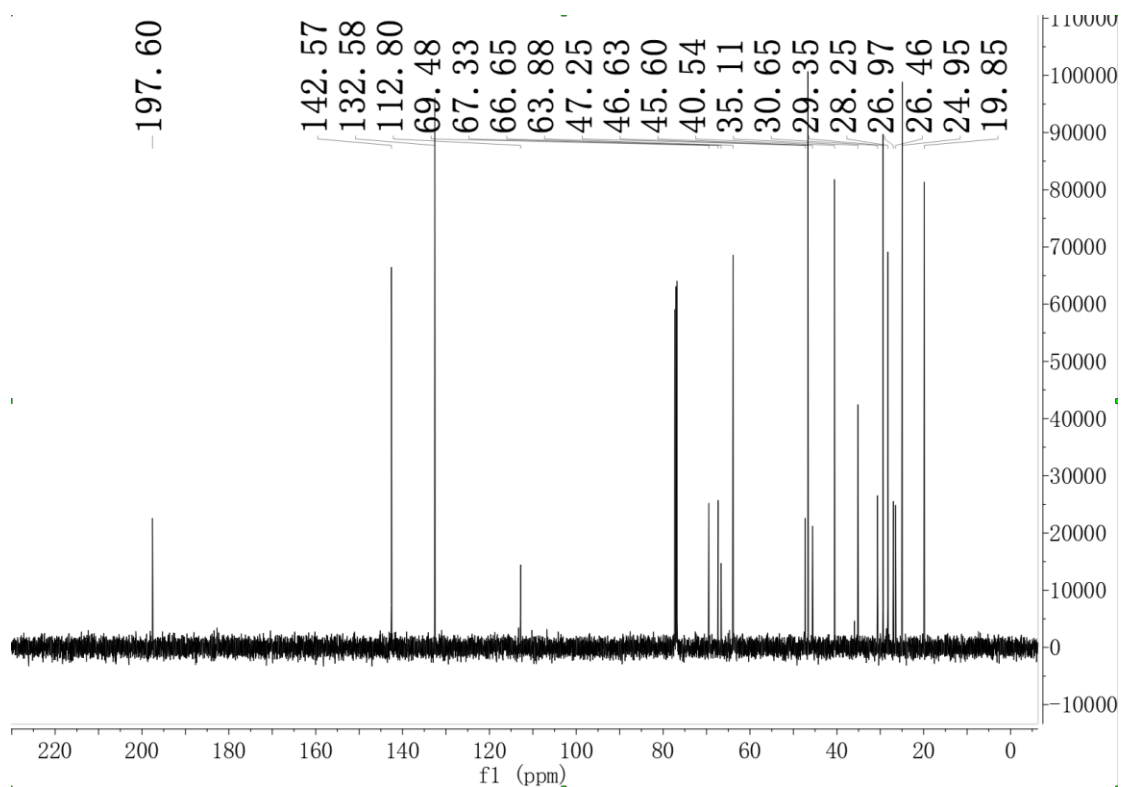


Figure S25. ¹³C NMR (CDCl₃) spectrum of compound **8**

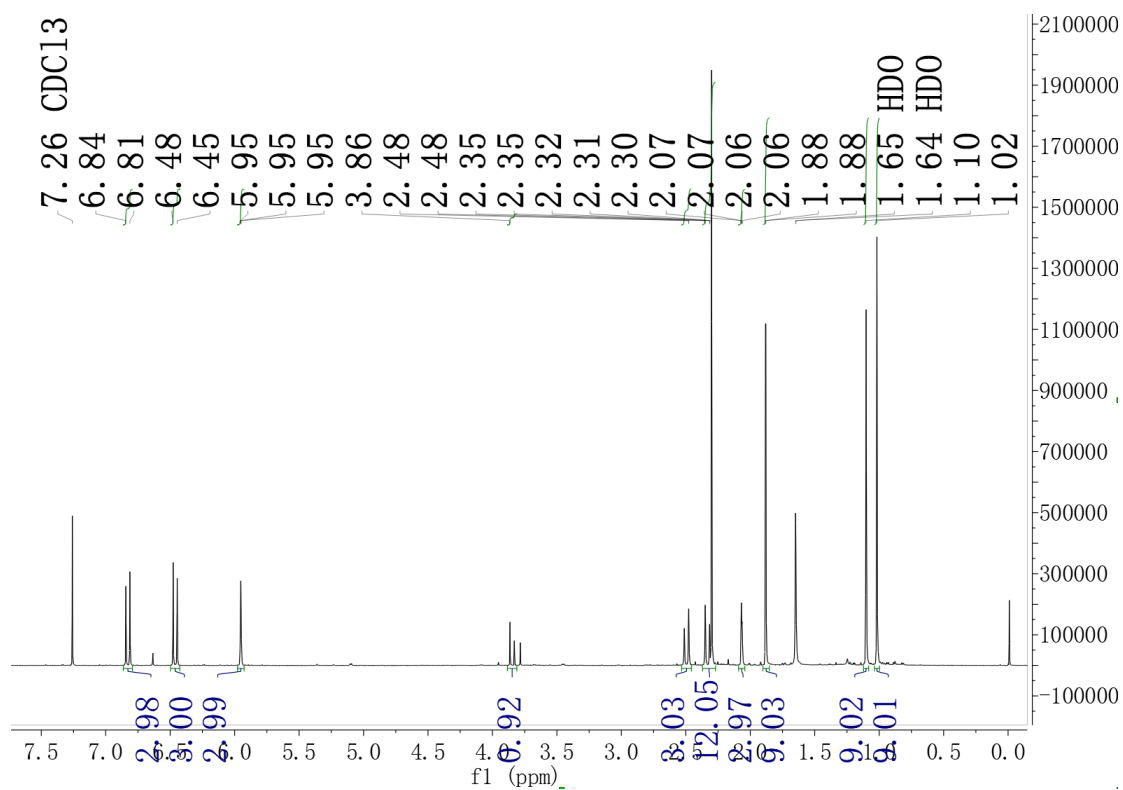


Figure S26. ¹H NMR (CDCl₃) spectrum of compound **9**

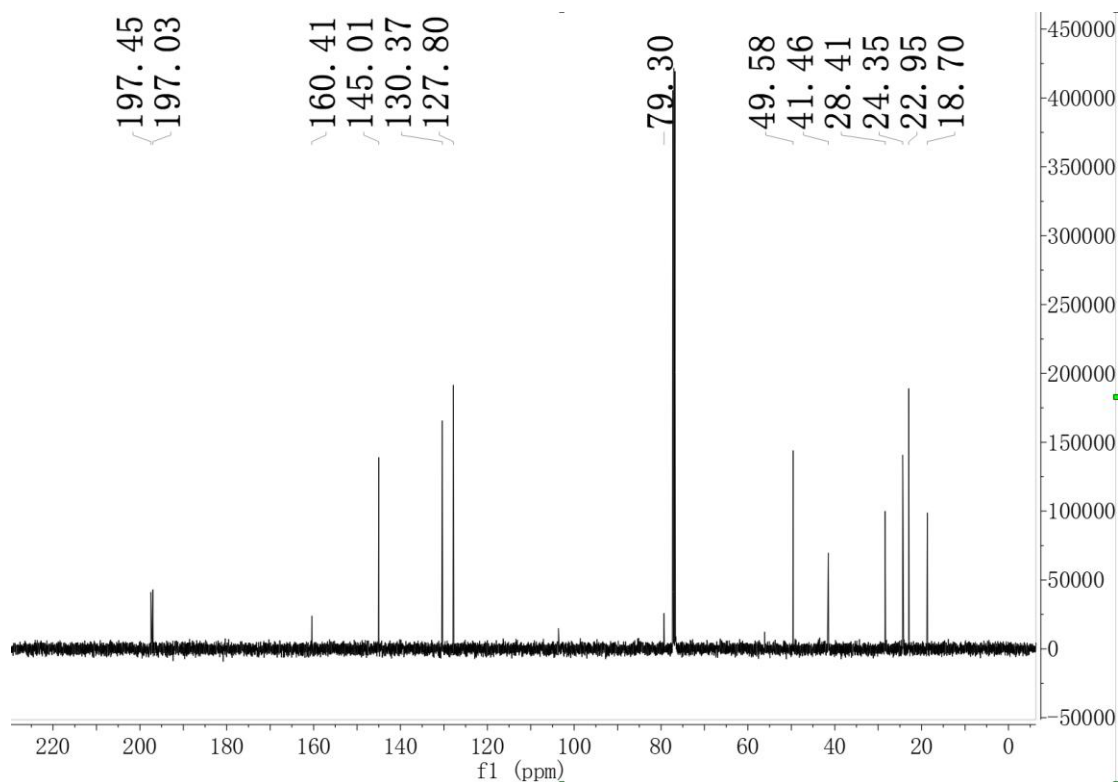


Figure S27. ¹³C NMR (CDCl₃) spectrum of compound **9**

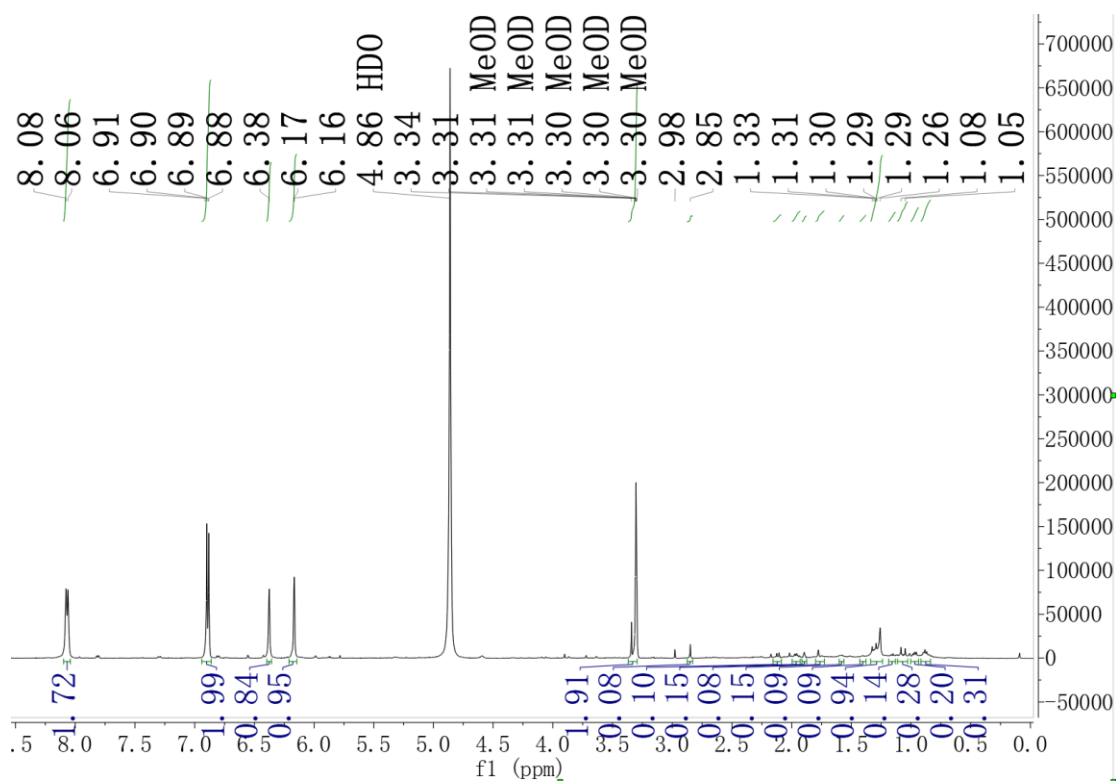


Figure S28. ¹H NMR (CD₃OD) spectrum of compound **10**

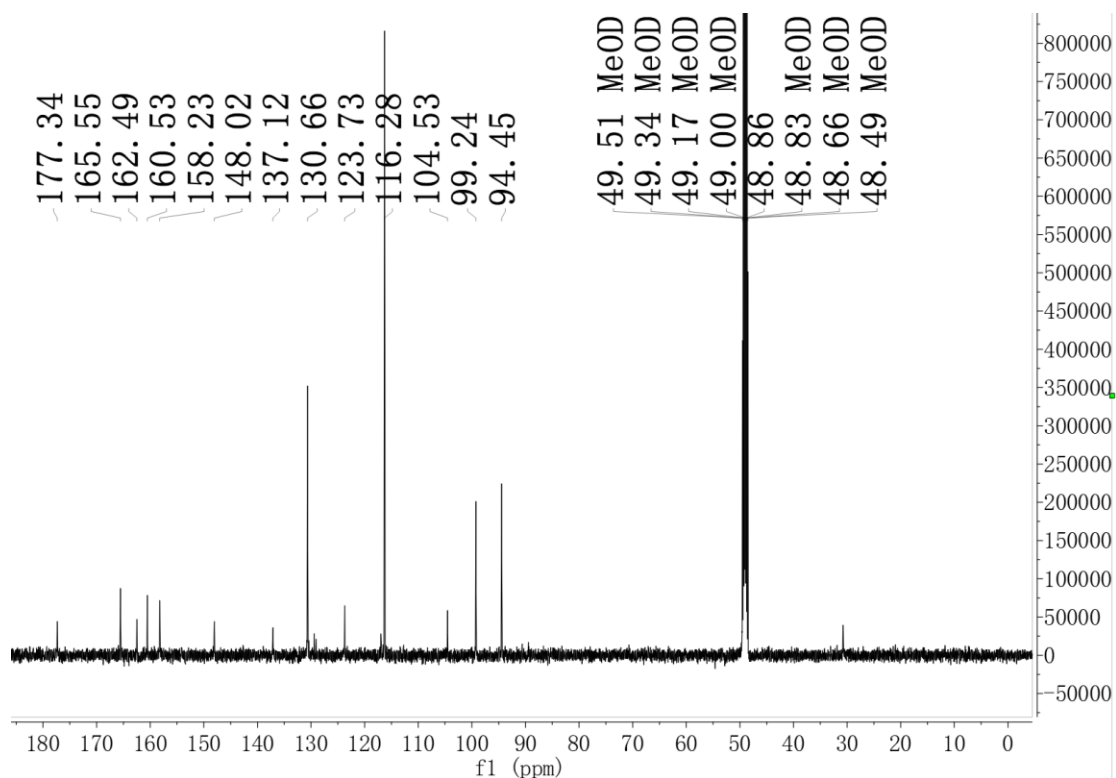


Figure S29. ¹³C NMR (CD₃OD) spectrum of compound 10

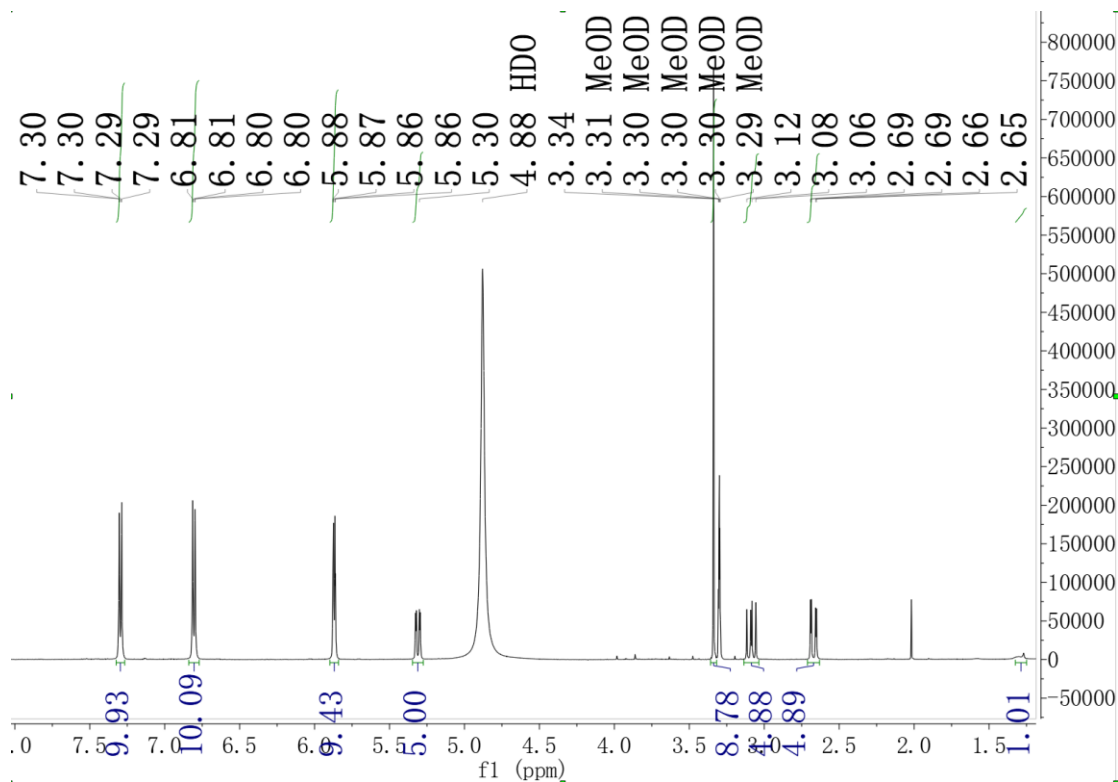


Figure S30. ¹H NMR (CD₃OD) spectrum of compound 11

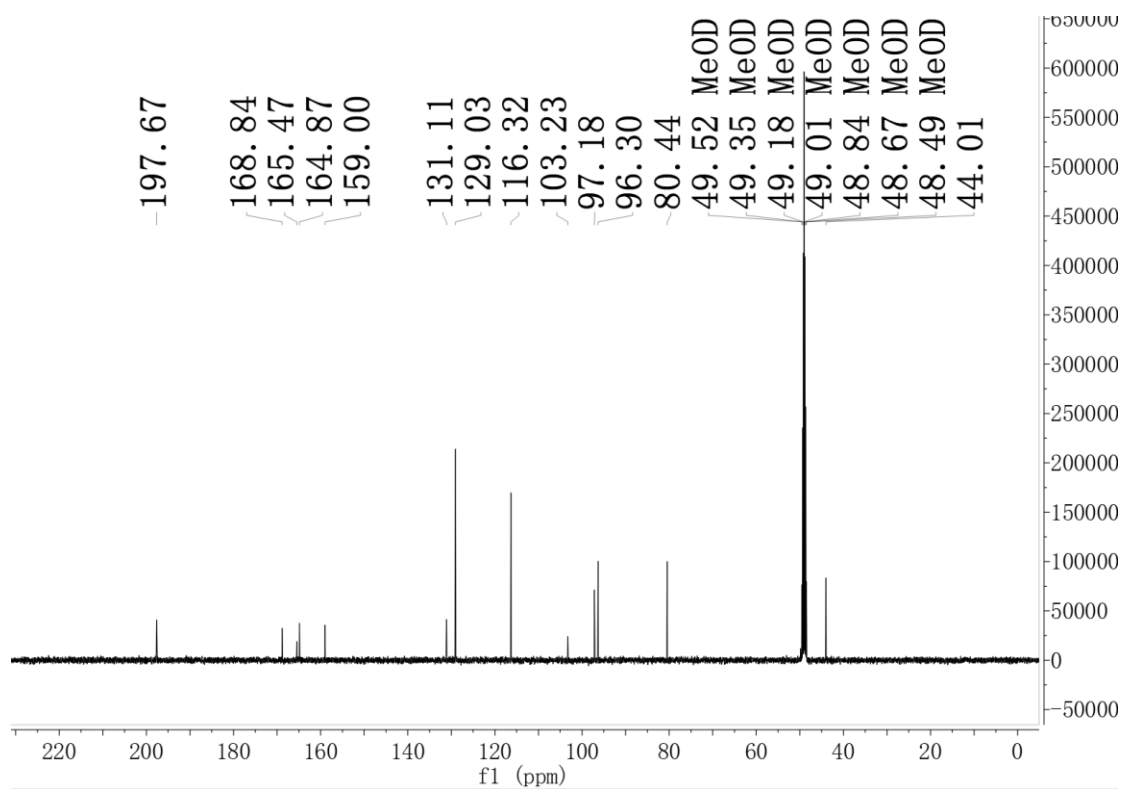


Figure S31. ¹³C NMR (CD₃OD) spectrum of compound **11**

Table S1. Crystal data and structure refinement for compound **1**

Identification code	global	
Empirical formula	C ₂₀ H ₃₀ O ₃	
Formula weight	318.44	
Temperature	100(2) K	
Wavelength	1.54178 Å	
Crystal system	Monoclinic	
Space group	P 1 21 1	
Unit cell dimensions	a = 10.0464(12) Å	α = 90°.
	b = 9.5021(11) Å	β = 112.043(4)°.
	c = 10.0557(12) Å	γ = 90°.
Volume	889.77(18) Å ³	
Z	2	
Density (calculated)	1.189 Mg/m ³	
Absorption coefficient	0.614 mm ⁻¹	
F(000)	348	
Crystal size	0.800 x 0.160 x 0.110 mm ³	
Theta range for data collection	4.74 to 72.24°.	
Index ranges	-12 ≤ h ≤ 12, -10 ≤ k ≤ 11, -12 ≤ l ≤ 12	
Reflections collected	17575	
Independent reflections	3416 [R(int) = 0.0553]	
Completeness to theta = 72.24°	99.7 %	
Absorption correction	Semi-empirical from equivalents	
Max. and min. transmission	0.94 and 0.71	
Refinement method	Full-matrix least-squares on F ²	
Data / restraints / parameters	3416 / 1 / 215	
Goodness-of-fit on F ²	1.048	
Final R indices [I > 2σ(I)]	R1 = 0.0341, wR2 = 0.0848	
R indices (all data)	R1 = 0.0359, wR2 = 0.0866	
Absolute structure parameter	0.03(9)	
Largest diff. peak and hole	0.155 and -0.167 e.Å ⁻³	

Table S2. Cytotoxicity data of compounds **1-11** at the concentration of 40 μ M.

Name of compounds	HL-60		A549		SMMC-7721		MCF-7		SW480	
	Average	SD	Average	SD	Average	SD	Average	SD	Average	SD
1	34.32	2.94	12.18	0.36	28.32	1.89	37.31	1.98	32.05	3.50
2	32.71	0.90	9.03	2.86	22.76	1.96	11.86	0.72	15.19	0.62
3	22.73	2.70	27.71	1.27	19.41	2.60	22.27	0.84	14.30	2.39
4	79.64	1.84	88.08	0.44	79.42	2.27	80.52	0.69	93.76	2.85
5	0.00	2.46	30.24	0.93	20.66	1.47	27.13	1.80	19.78	2.09
6	15.82	2.57	6.89	0.83	1.60	2.00	0.56	2.14	8.70	1.08
7	17.73	2.08	27.41	0.52	21.26	1.55	10.72	1.32	31.98	0.86
8	33.57	0.90	9.98	0.59	11.38	1.66	5.32	3.11	5.78	1.78
9	12.96	2.07	-0.35	1.65	3.19	0.56	3.82	1.86	3.19	3.64
10	17.91	0.68	29.75	3.17	1.53	2.03	22.04	1.54	11.26	2.93
11	12.46	2.96	19.71	3.98	14.40	1.35	10.02	1.56	4.97	1.72