

Supplementary Material

Table S1. Experimental and predicted pIC₅₀ for the test compounds

Test set		HQSAR		CoMFA		CoMSIA	
Compound	Exp. pIC ₅₀	Pred. pIC ₅₀	Residual	Pred. pIC ₅₀	Residual	Pred. pIC ₅₀	Residual
7	5.02	5.02	0.00	5.10	0.076	5.17	-0.145
8	4.52	4.57	-0.05	4.56	0.034	4.52	0.003
19	4.91	4.89	0.02	4.90	-0.010	4.80	0.112
23	4.52	4.51	0.01	4.53	0.011	4.50	0.026
29	4.82	4.72	0.10	4.71	-0.111	4.78	0.040
32	4.56	4.65	-0.09	4.63	0.064	4.51	0.051
34	5.24	5.38	-0.15	5.24	0.001	5.23	0.005
37	4.98	4.94	0.04	4.99	0.010	4.98	-0.005
42	4.59	4.48	0.11	4.54	-0.051	4.52	0.068
43	5.11	4.99	0.12	5.01	-0.104	5.15	-0.033

[illegible]

35	4.96	27.69	310.16	5.31	1	1	1	1	1	1	1	1	1	1	1
36	4.78	47.92	328.17	5.68	1	1	1	1	1	1	1	1	0	1	1
37	4.98	47.92	328.17	5.68	1	1	1	1	1	1	1	1	1	1	1
38	4.93	36.92	342.18	5.61	1	1	1	1	1	1	1	1	1	1	1
39	5.26	46.15	450.24	7.15	1	1	1	1	1	1	1	1	1	1	1
40	5.07	57.15	434.21	6.92	1	1	1	1	1	1	1	1	1	1	1
41	4.87	46.15	448.22	6.85	1	1	1	1	1	1	1	1	1	1	1
42	4.59	36.92	300.14	4.66	1	1	1	1	1	1	1	1	1	1	1
43	5.11	38.69	296.14	5.37	1	1	1	1	1	1	1	1	1	1	1
44	4.94	36.92	416.20	6.55	1	1	1	1	1	1	1	1	0	1	1
45	4.65	38.69	296.14	5.37	1	1	1	1	1	1	1	1	1	1	1
46	4.96	36.92	416.20	6.55	1	1	1	1	1	1	1	1	0	1	1
47	4.52	36.92	300.14	4.66	1	1	1	1	1	1	1	1	1	1	1
48	4.52	46.15	406.18	5.90	1	1	1	1	1	1	1	1	1	1	1
49	4.52	36.92	326.15	5.14	1	1	1	1	1	1	1	1	1	1	1
50	4.52	46.15	406.18	5.90	1	1	1	1	1	1	1	1	1	1	1

IC₅₀: Half-maximal inhibitory concentration; **pIC₅₀**: -log IC₅₀; **TopoPSA**: Topological polar surface area; **MW**: Molecular weight; **LogP**: Partition coefficient of a molecule between aqueous and lipophilic phases (in general, water and octanol, respectively); **PFP**: PubChem fingerprint.

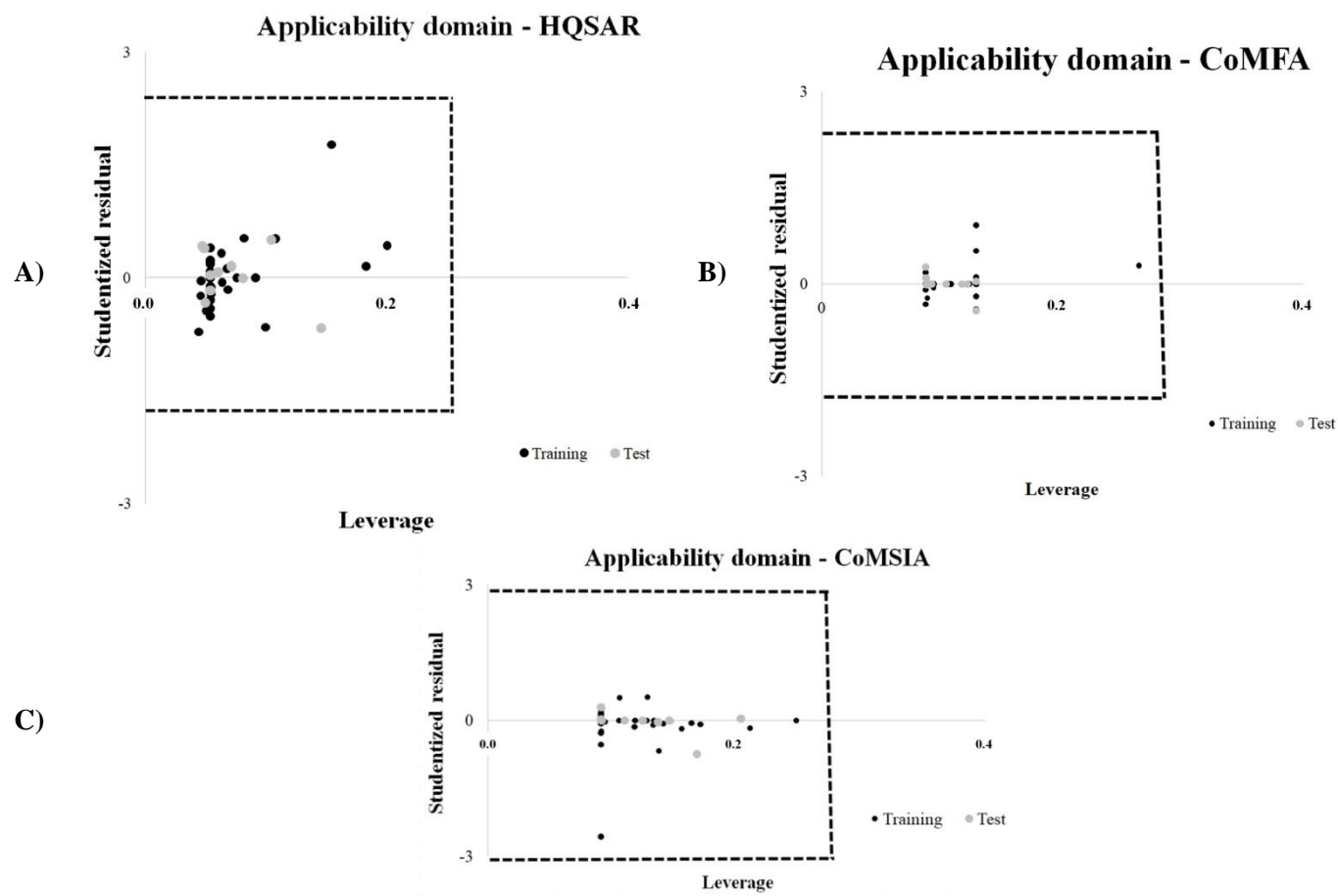


Figure S1. Plot of Leverage *versus* Studentized residuals for (A) HQSAR, (B) CoMFA and (C) CoMSIA (black dots represent the training set and grey dots represents the test compounds).

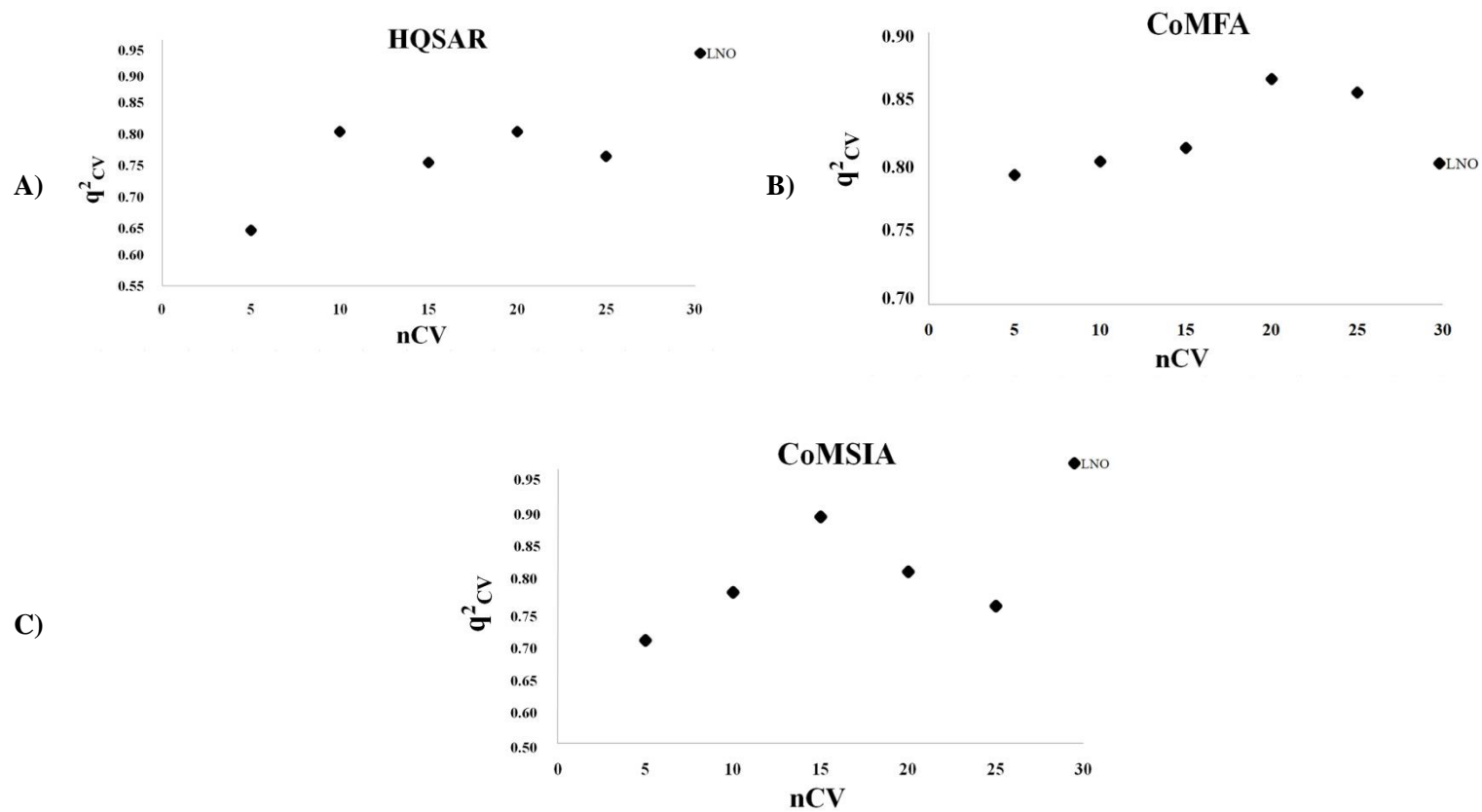


Figure S2. Results from the cross-validation (LNO) of the obtained models: (A) HQSAR, (B) CoMFA and (C) CoMSIA.

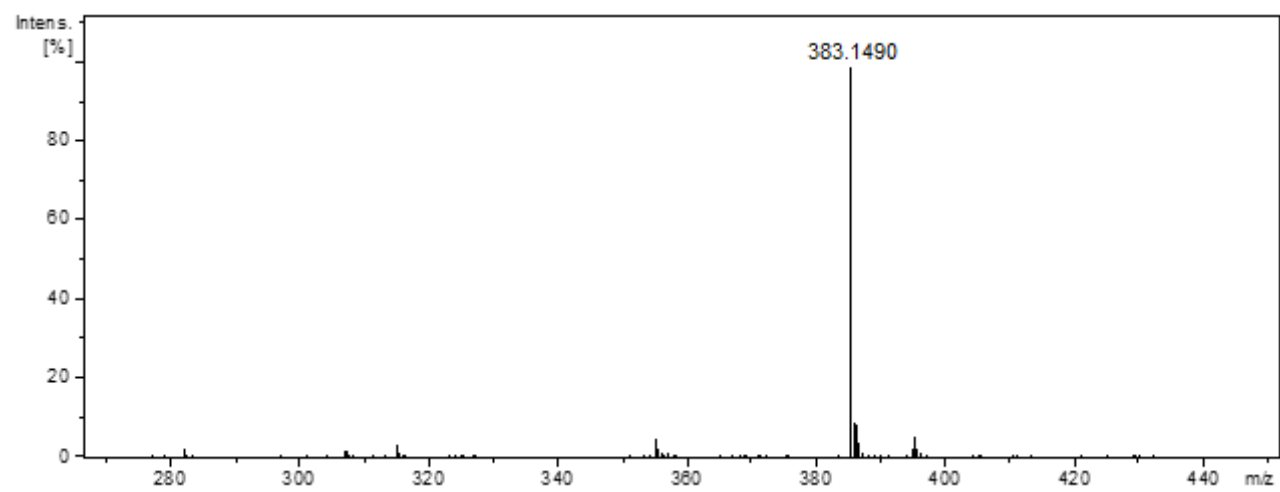


Figure S3. HRESIMS spectrum (positive mode) of compound **7**.

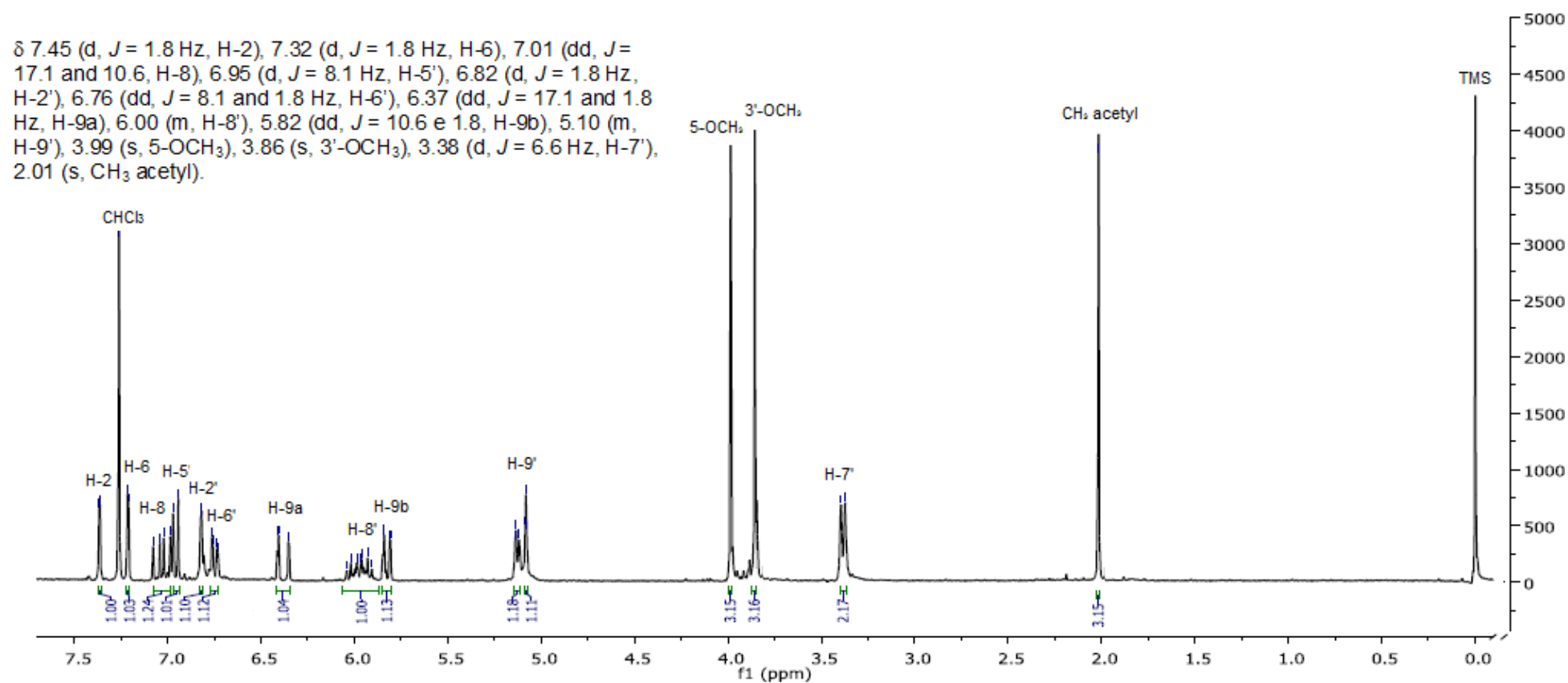


Figure S4. ^1H NMR spectrum of compound **7** (δ , 300 MHz, CDCl_3).

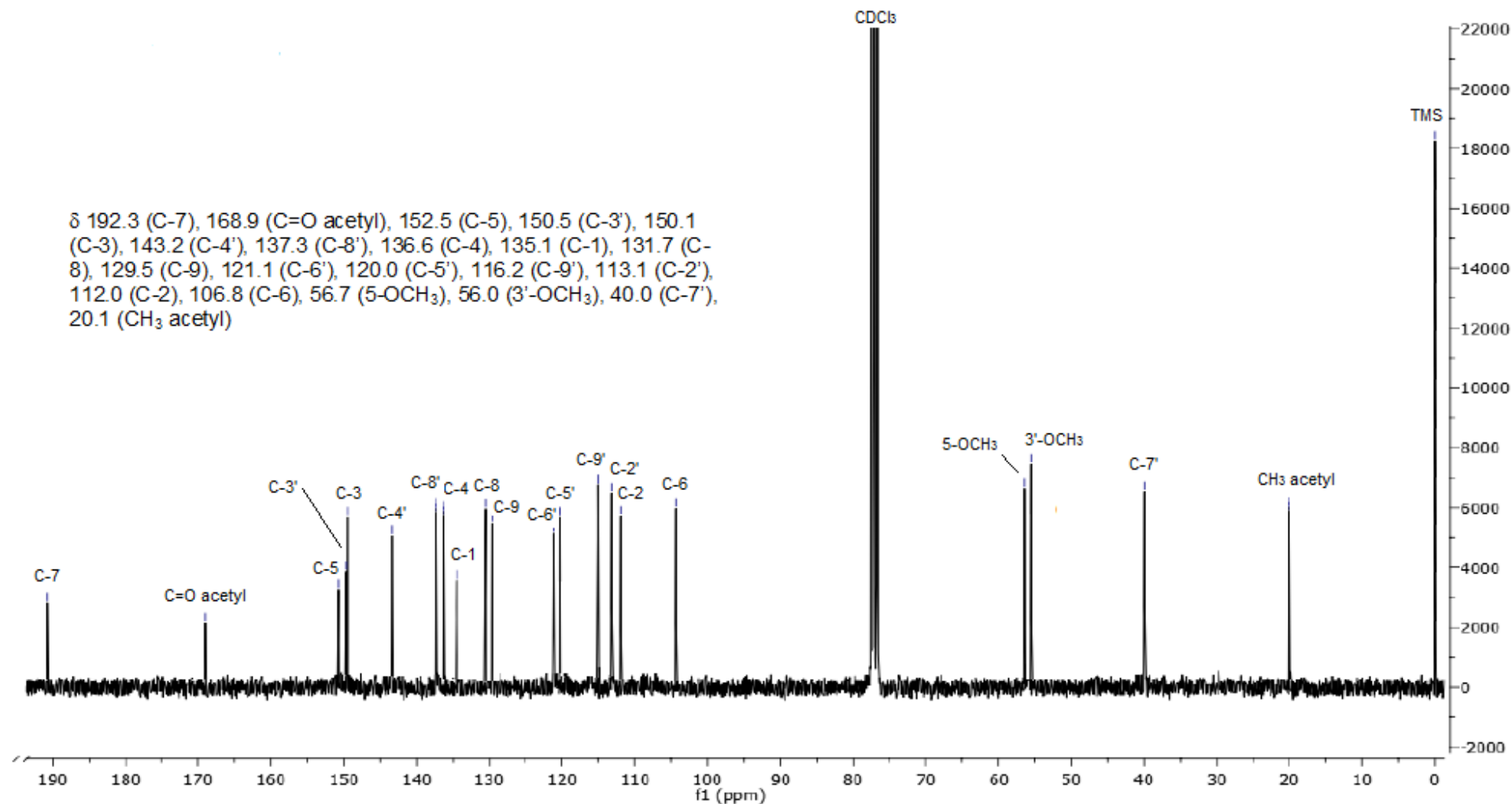


Figure S5. ¹³C NMR spectrum of compound **7** (δ , 75 MHz, CDCl₃).

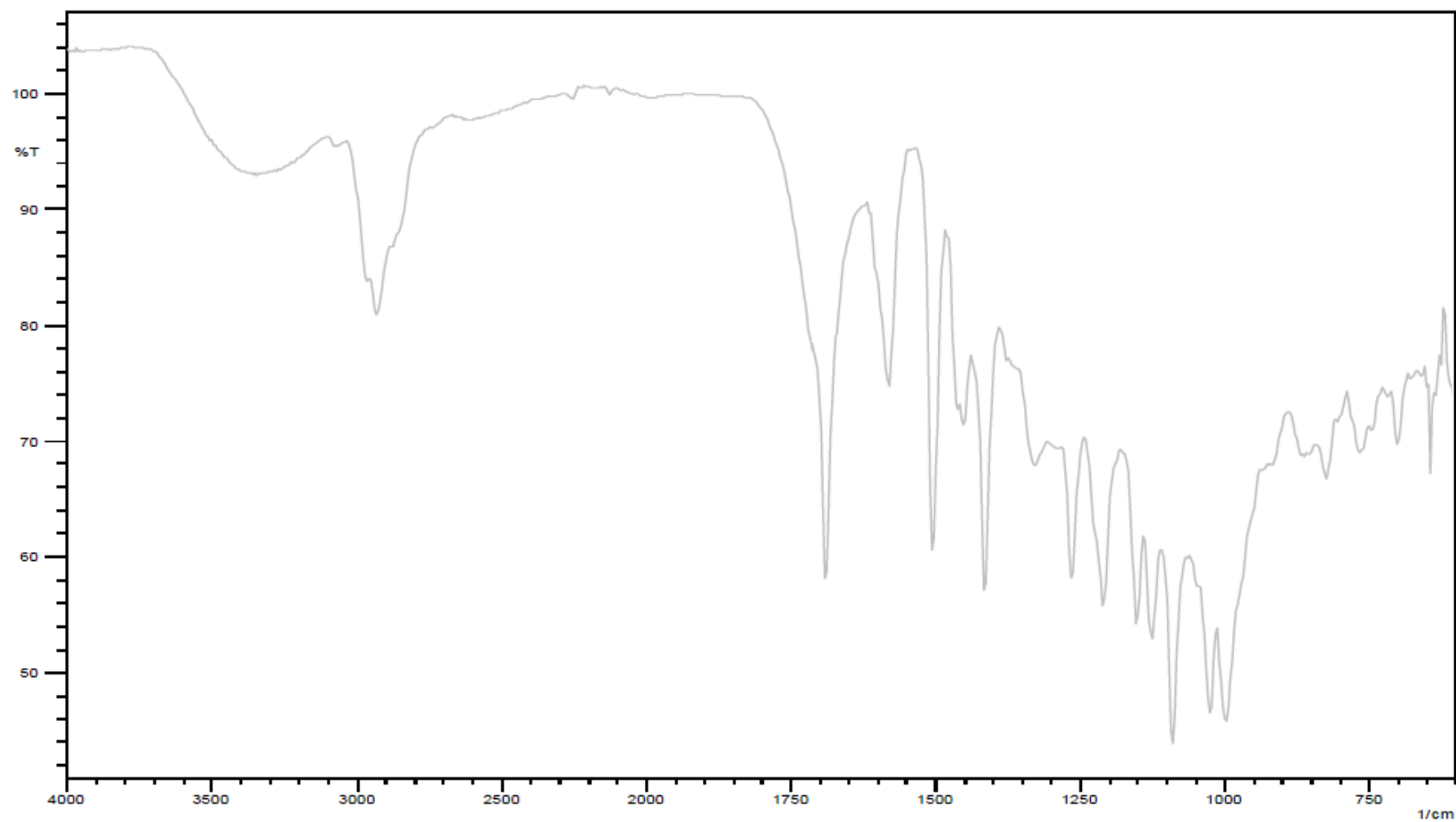


Figure S6. IR spectrum of compound **7**.