Supporting Information

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Bromophenols from the Marine Red Alga *Symphyocladia latiuscula* and Their Radical Scavenging Activity

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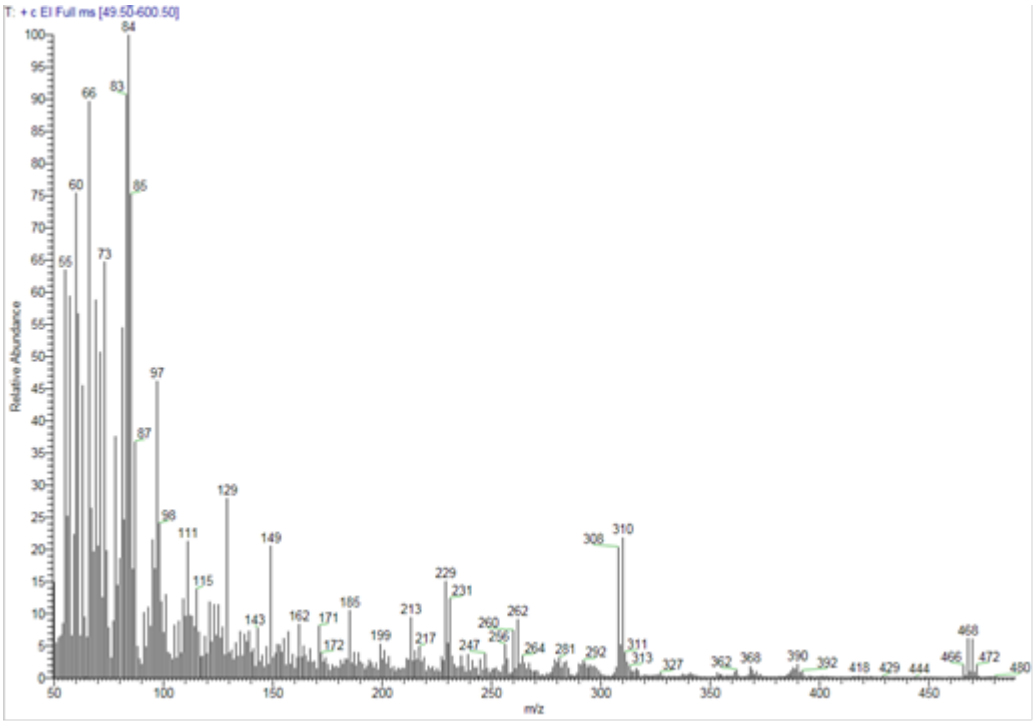


Figure S1: EIMS spectrum of **1**

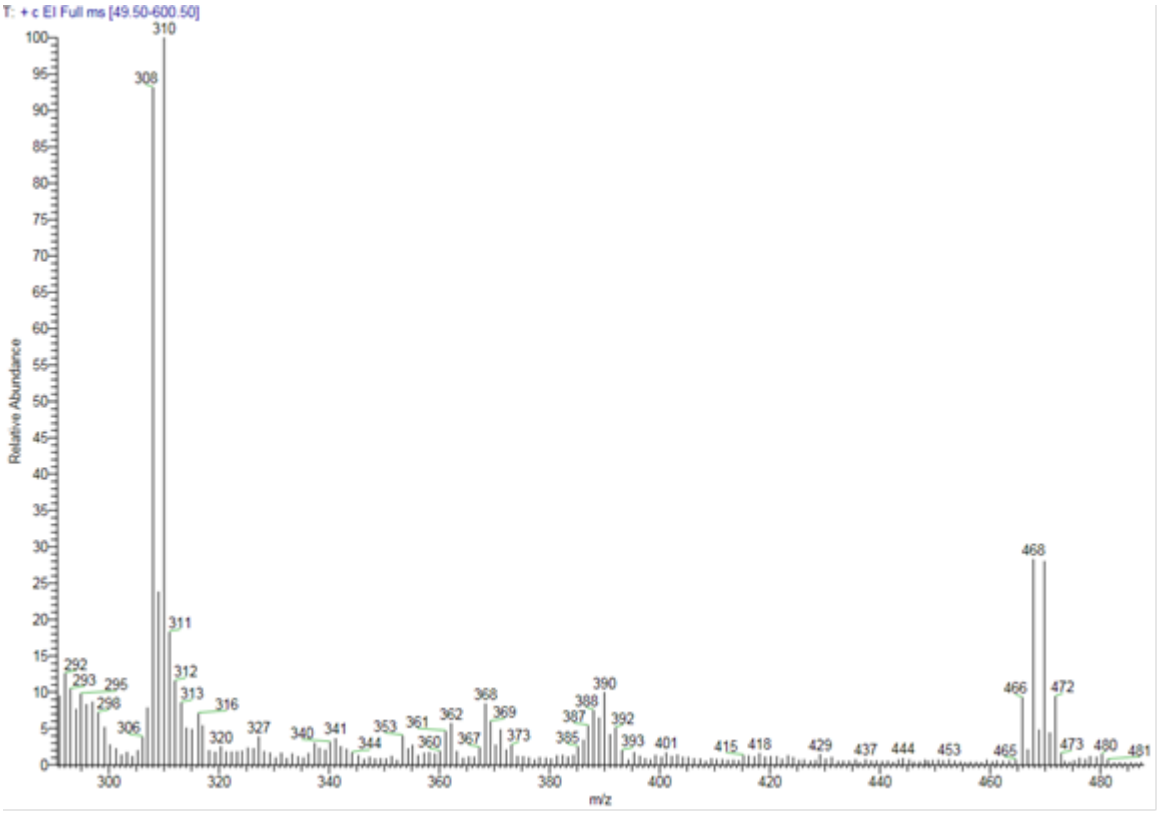
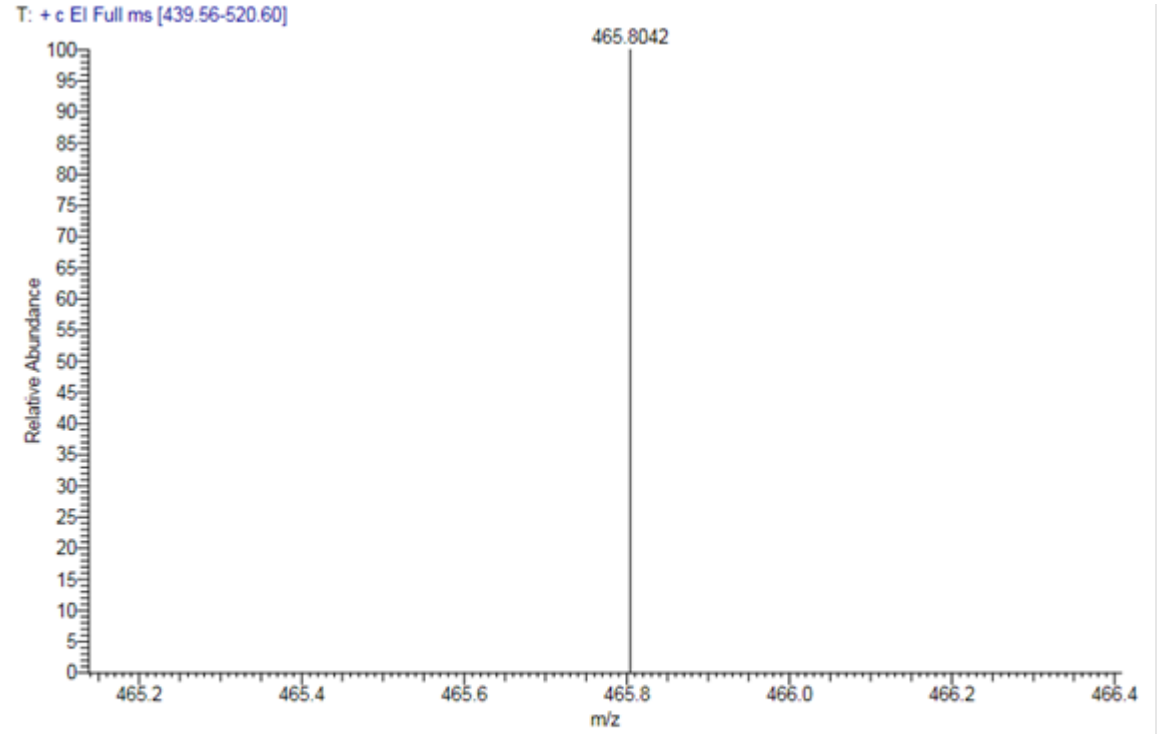


Figure S2: Enlarged EIMS spectrum of **1**



D20230418EIA04 S26b-cmass1#1598 RT: 12.41
T: + c EI Full ms [439.56-520.60]
m/z= 465.13809-466.40855

m/z	Intensity	Relative	Theo. Mass	Delta (ppm)	RDB equiv.	Composition
465.8042	2762219.0	100.00	465.8045	-0.65	8.0	$C_{13}H_9O_4Br_3$

Figure S3: HR-EI-MS spectrum of **1**

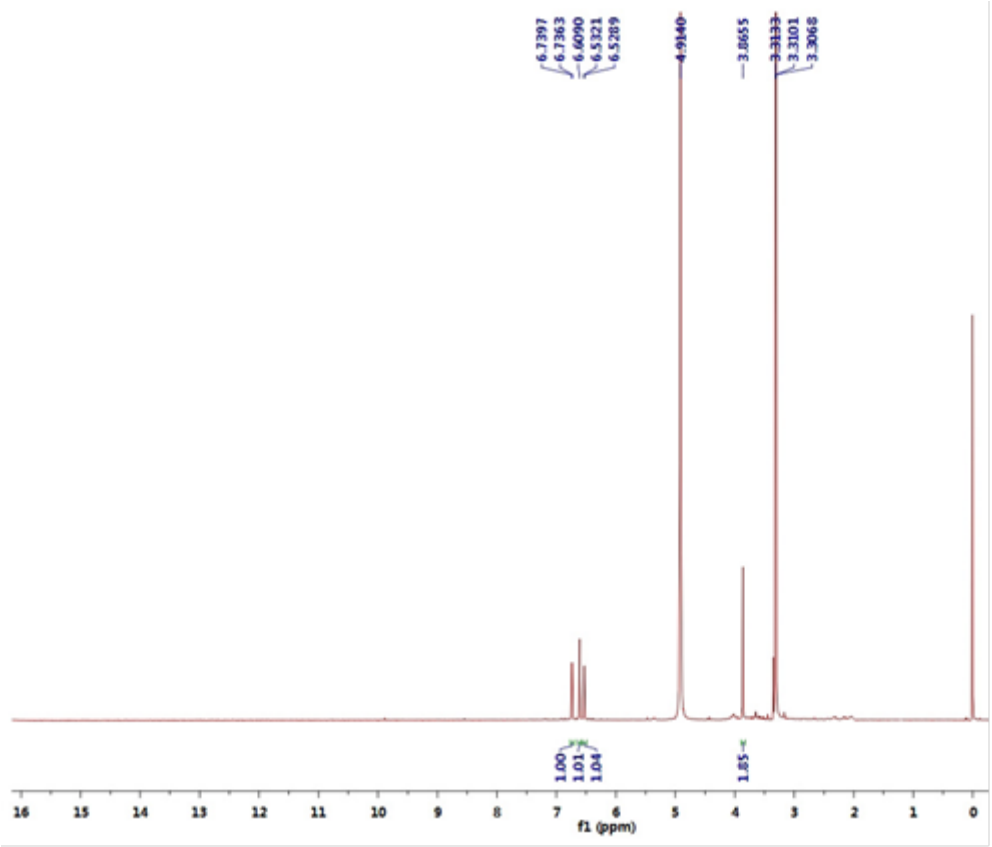


Figure S4: ^{1}H-NMR (500 MHz, MeOD) spectrum of **1**

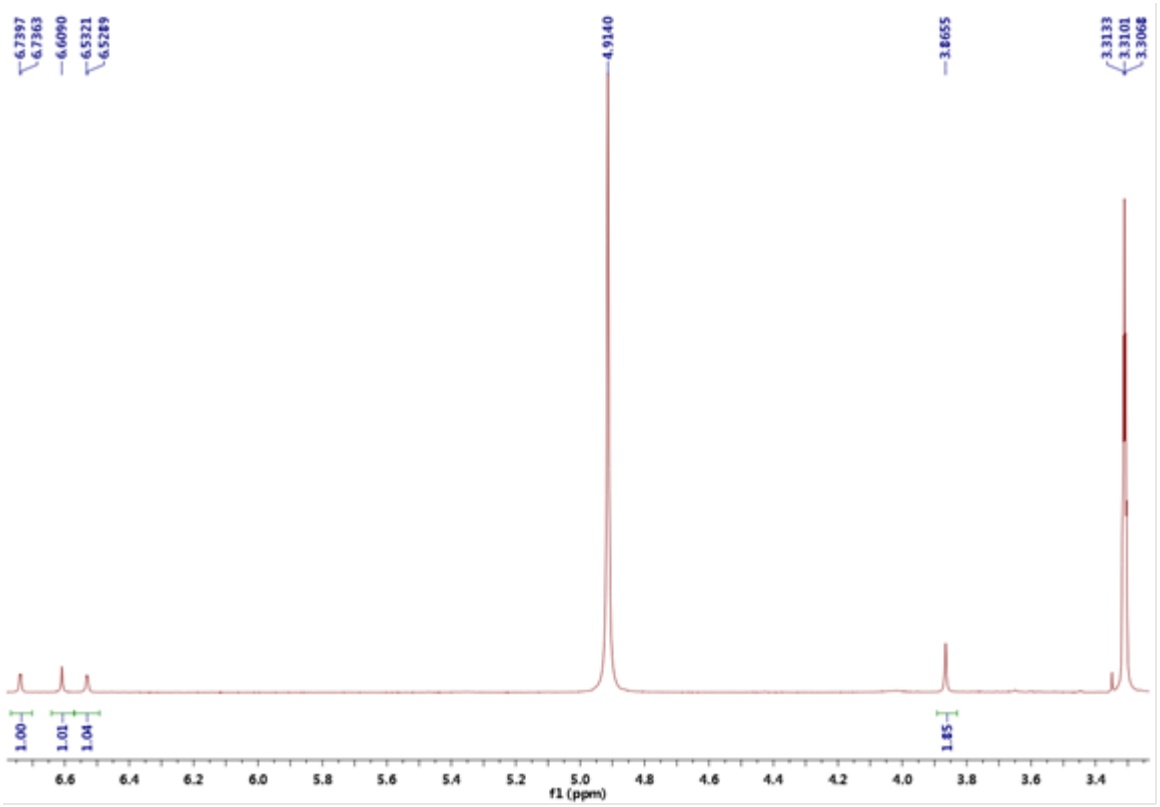


Figure S5: Enlarged ^{1}H-NMR (500 MHz, MeOD) spectrum of **1**

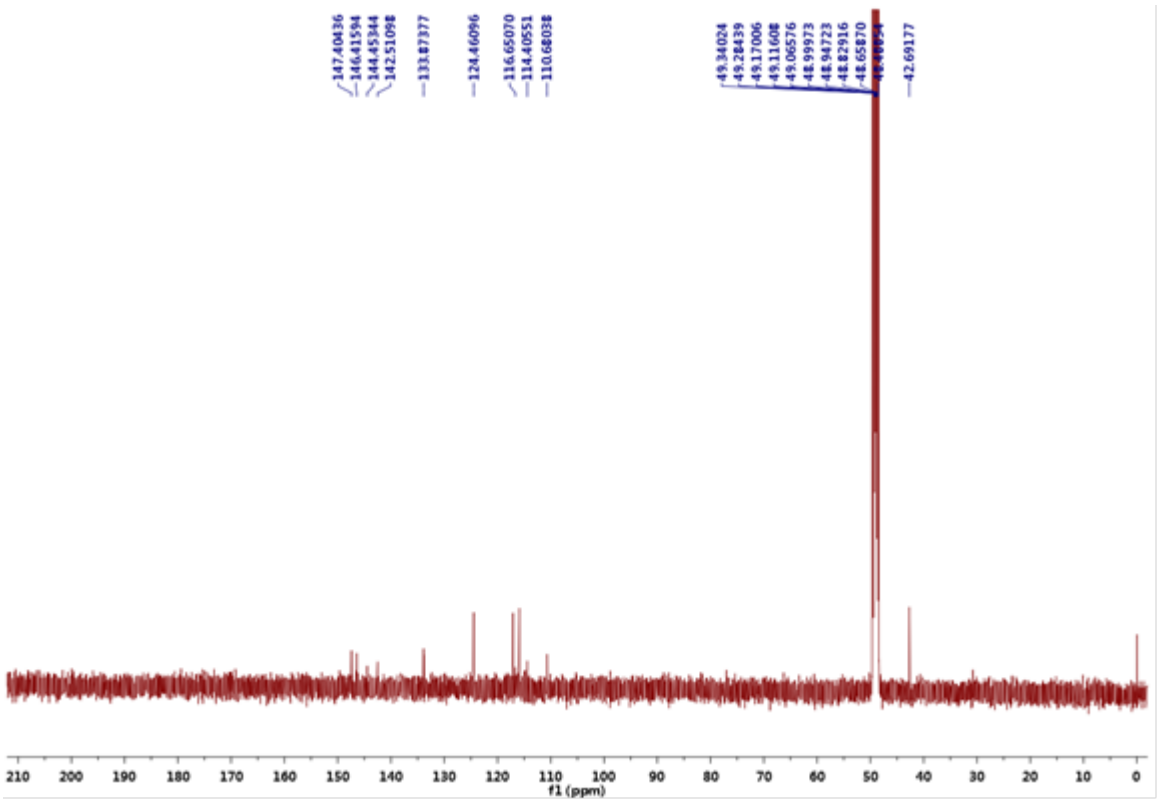


Figure S6: ^{13}C-NMR (125 MHz, MeOD) spectrum of **1**

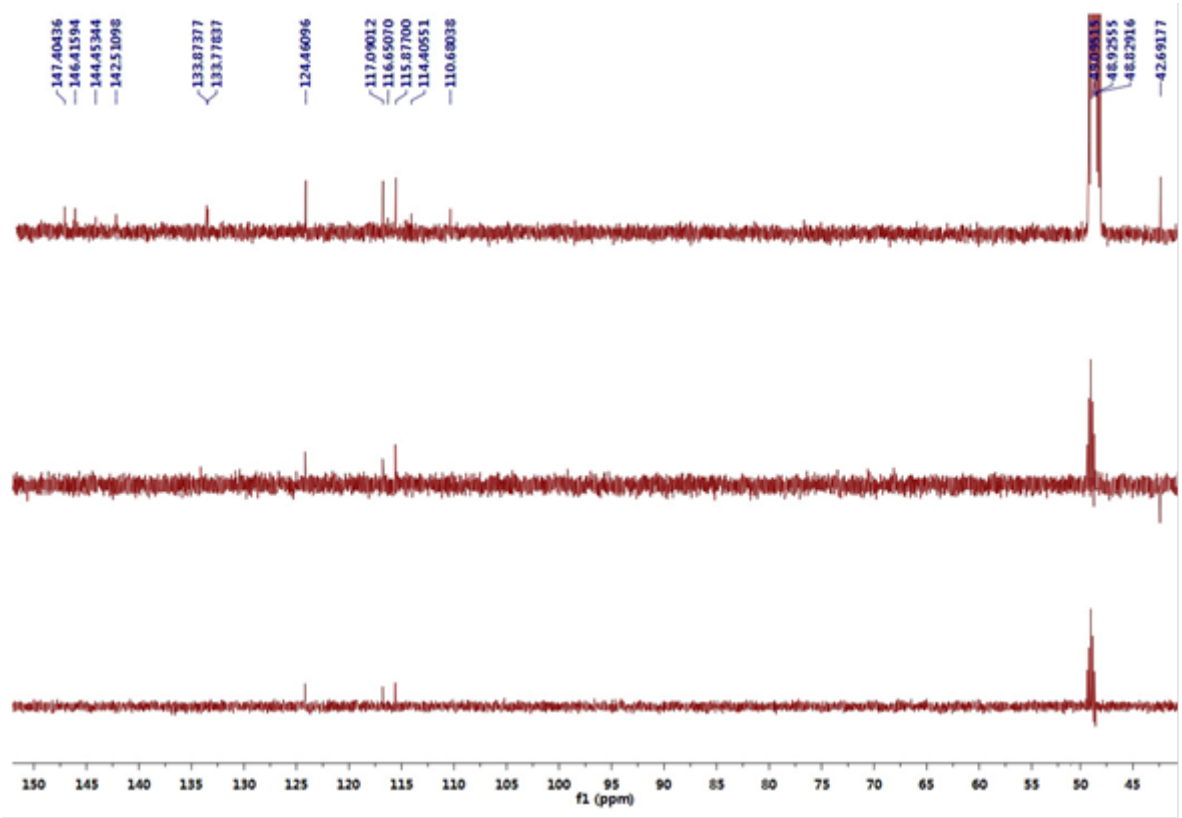


Figure S7: ^{13}C-NMR and DEPT (125 MHz, MeOD) spectra of **1**

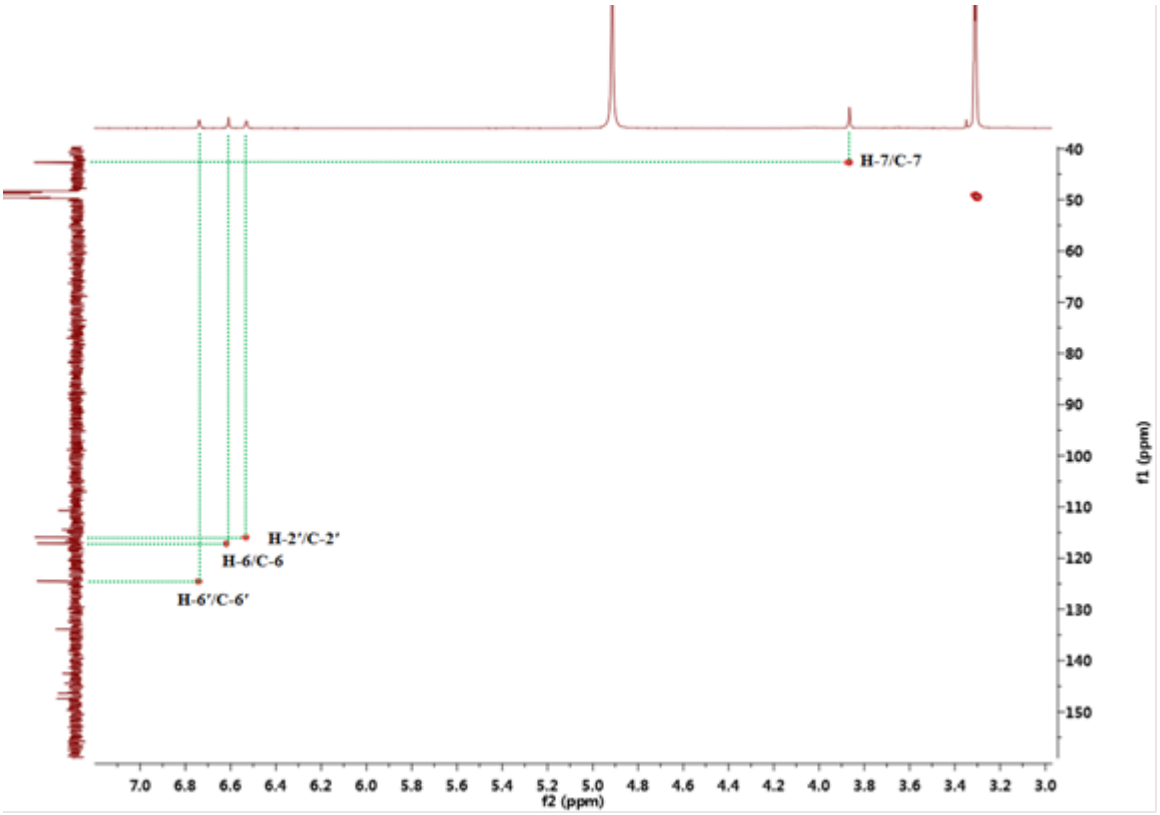


Figure S8: HSQC spectrum of **1**

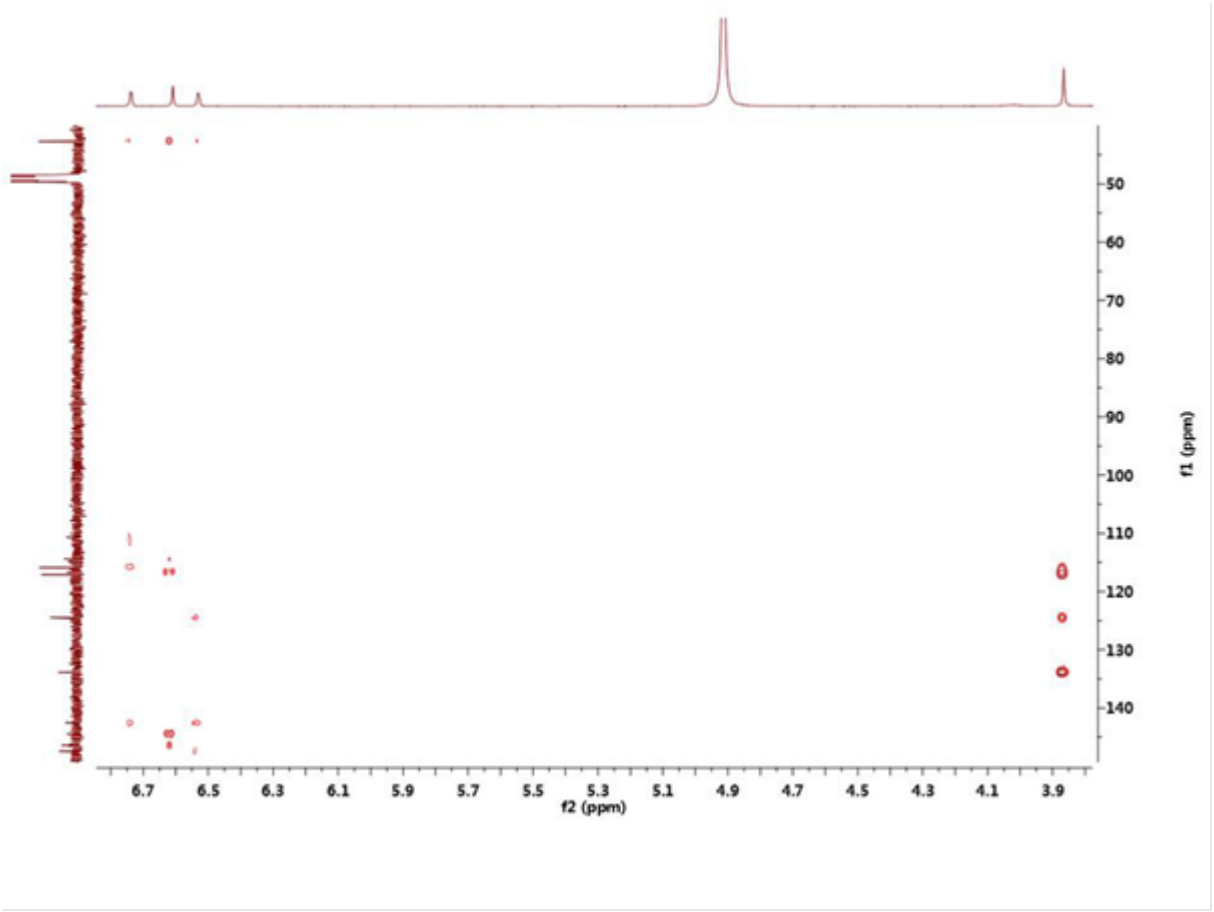


Figure S9: HMBC spectrum of **1**

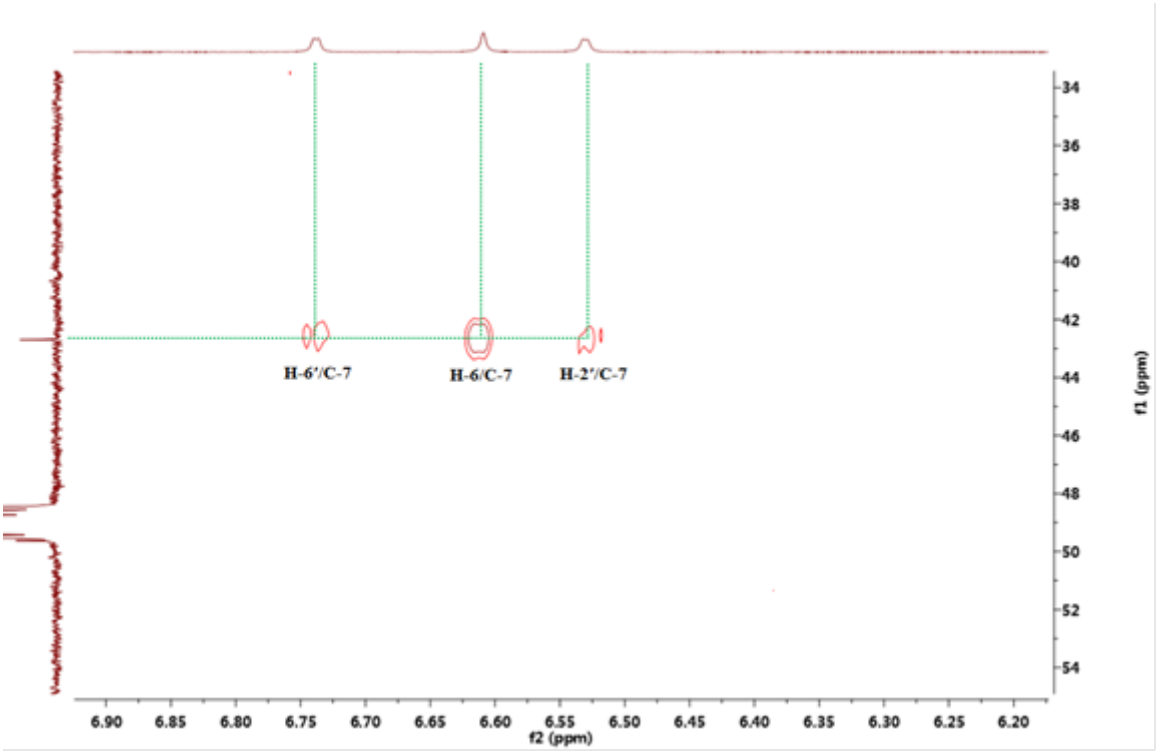


Figure S10: Enlarged HMBC spectrum of **1**

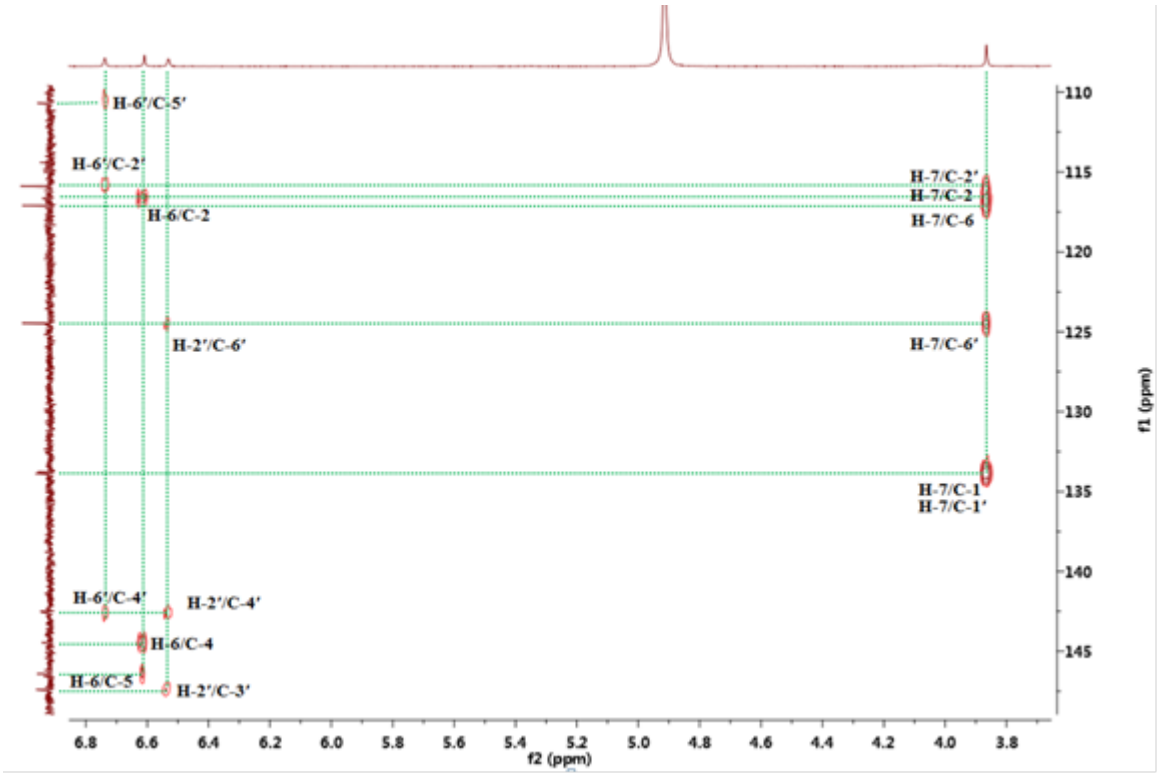


Figure S11: Enlarged HMBC spectrum of **1**

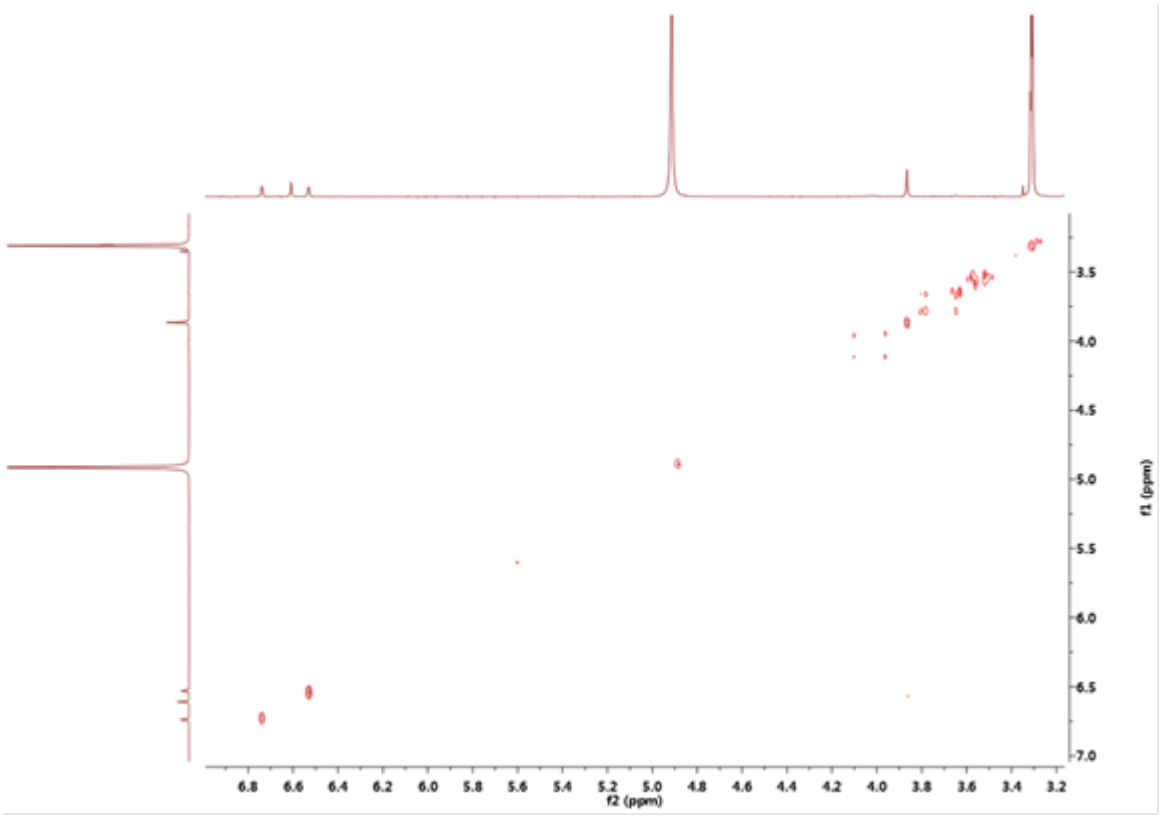


Figure S12: ^{1}H-^{1}H COSY spectrum of **1**

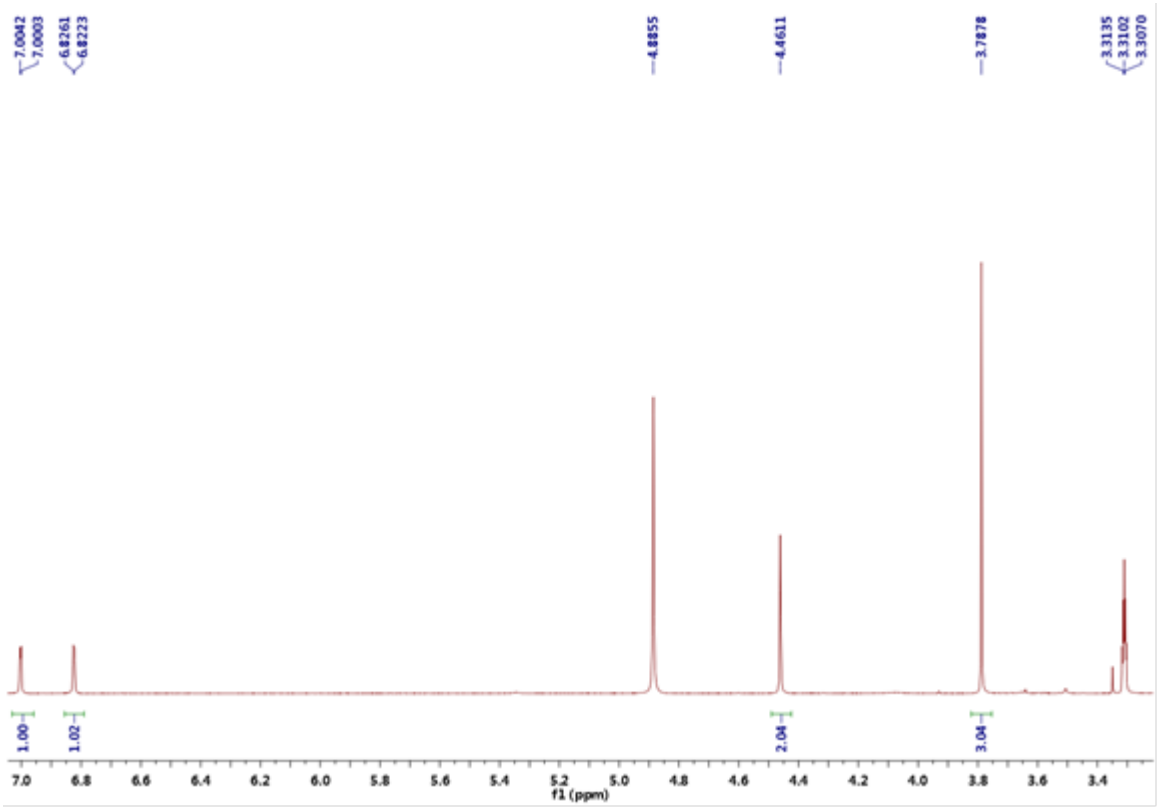


Figure S13: ^{1}H-NMR (500 MHz, MeOD) spectrum of **2**

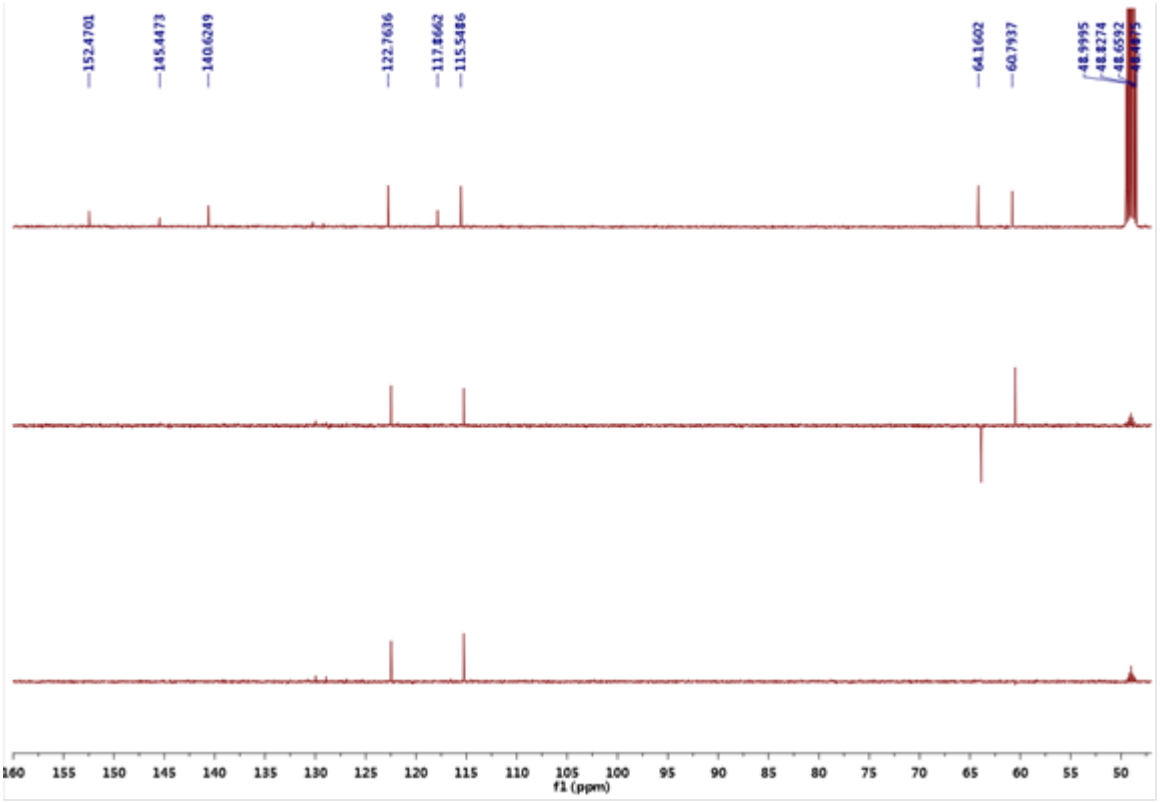


Figure S14: ^{13}C-NMR and DEPT (125 MHz, MeOD) spectra of **2**

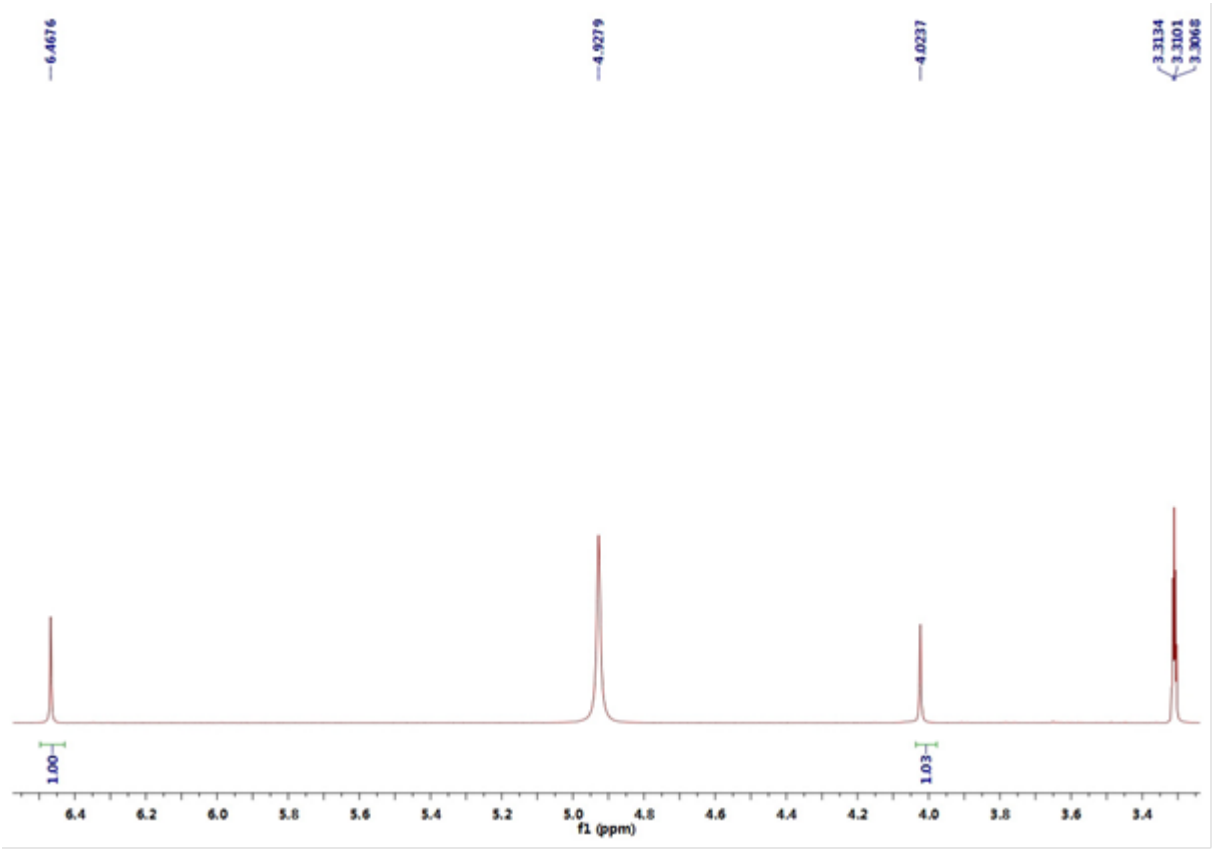


Figure S15: ^{1}H-NMR (500 MHz, MeOD) spectrum of **3**

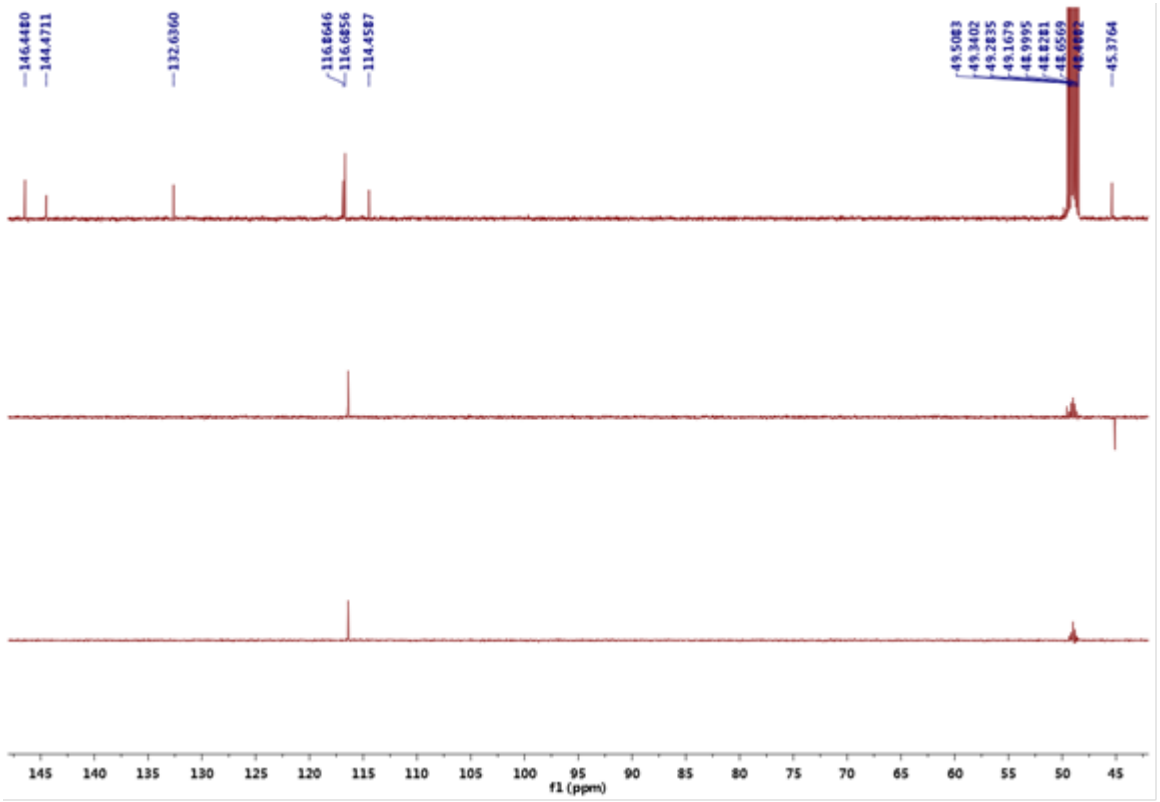


Figure S16: ^{13}C-NMR and DEPT (125 MHz, MeOD) spectra of **3**

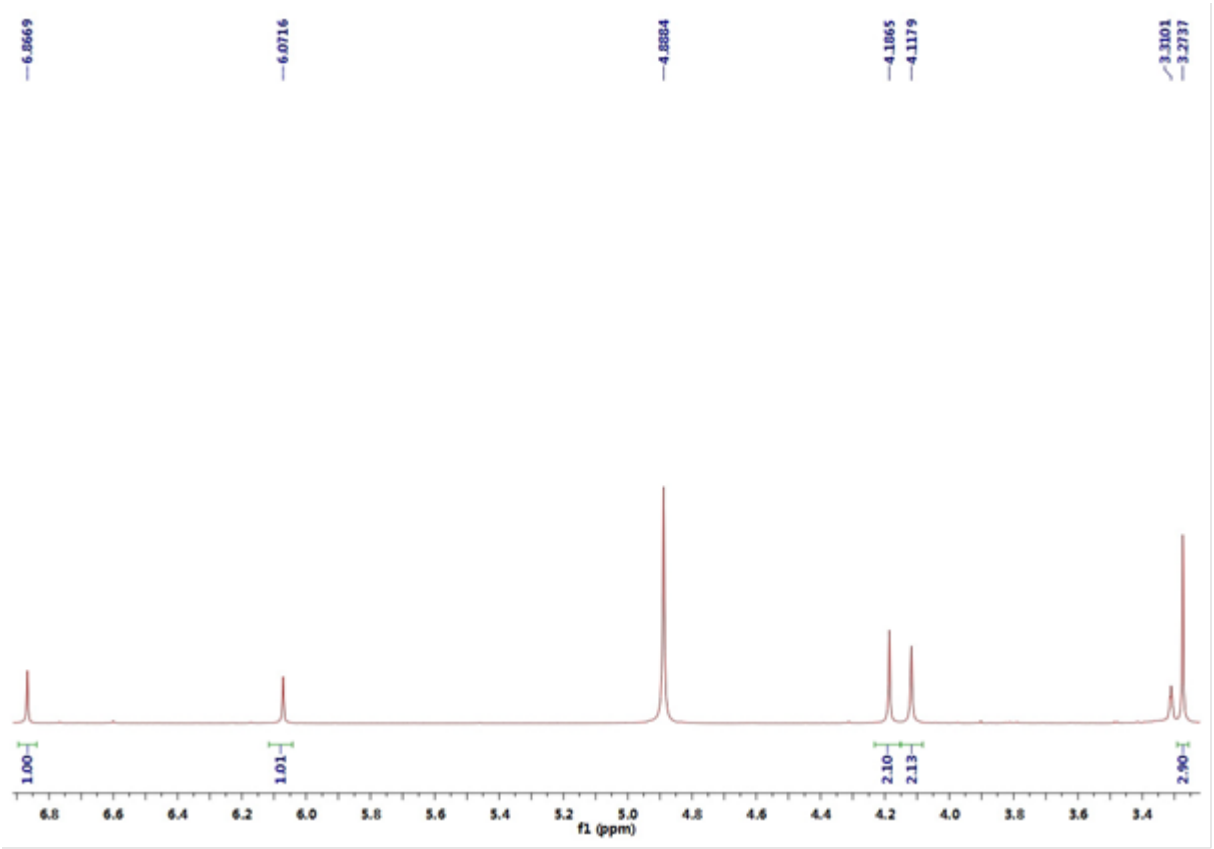


Figure S17: [1]H-NMR (500 MHz, MeOD) spectrum of **4**

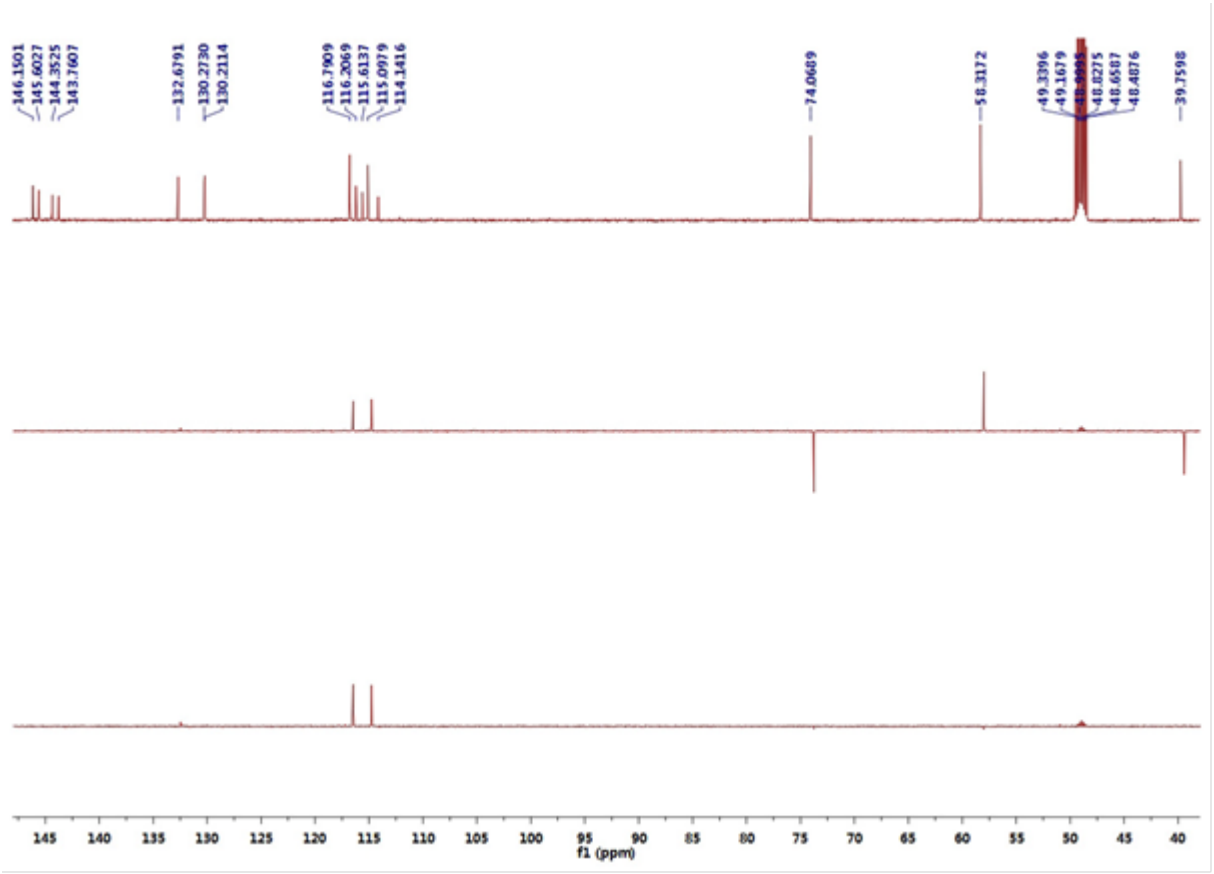


Figure S18: ^{13}C-NMR and DEPT (125 MHz, MeOD) spectra of **4**

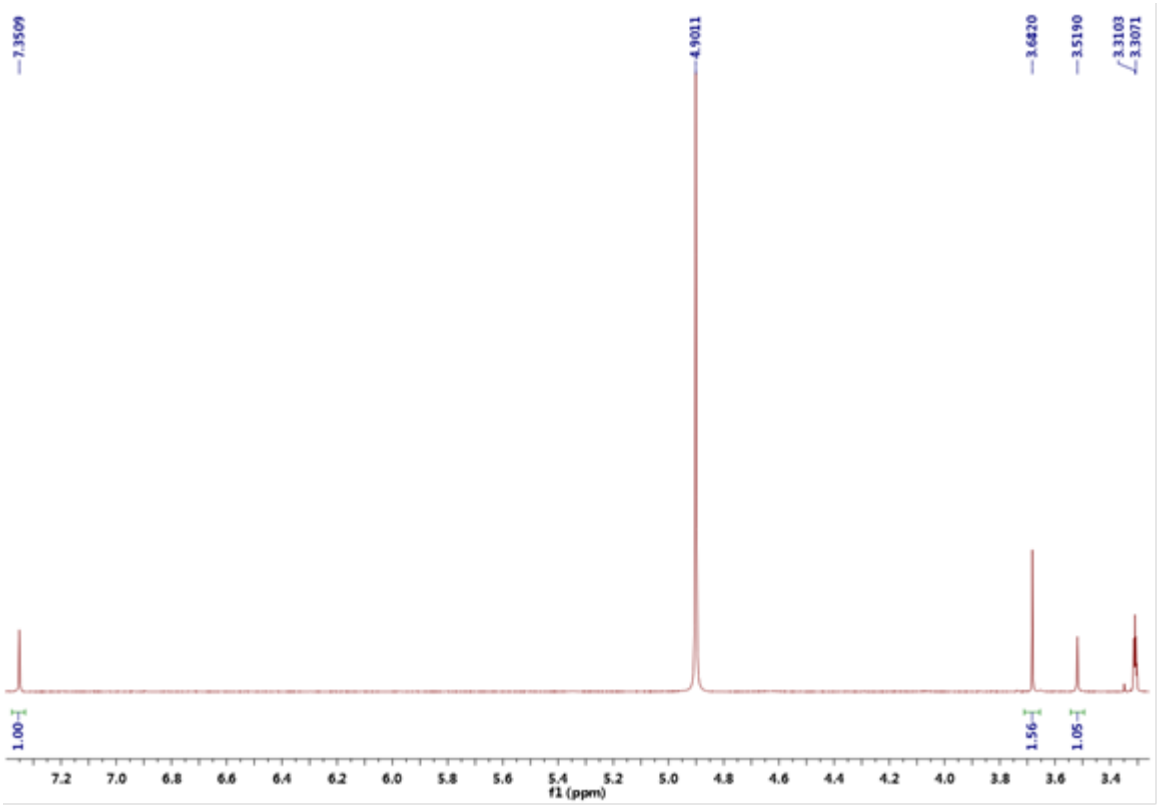


Figure S19: ^{1}H-NMR (500 MHz, MeOD) spectrum of **5**

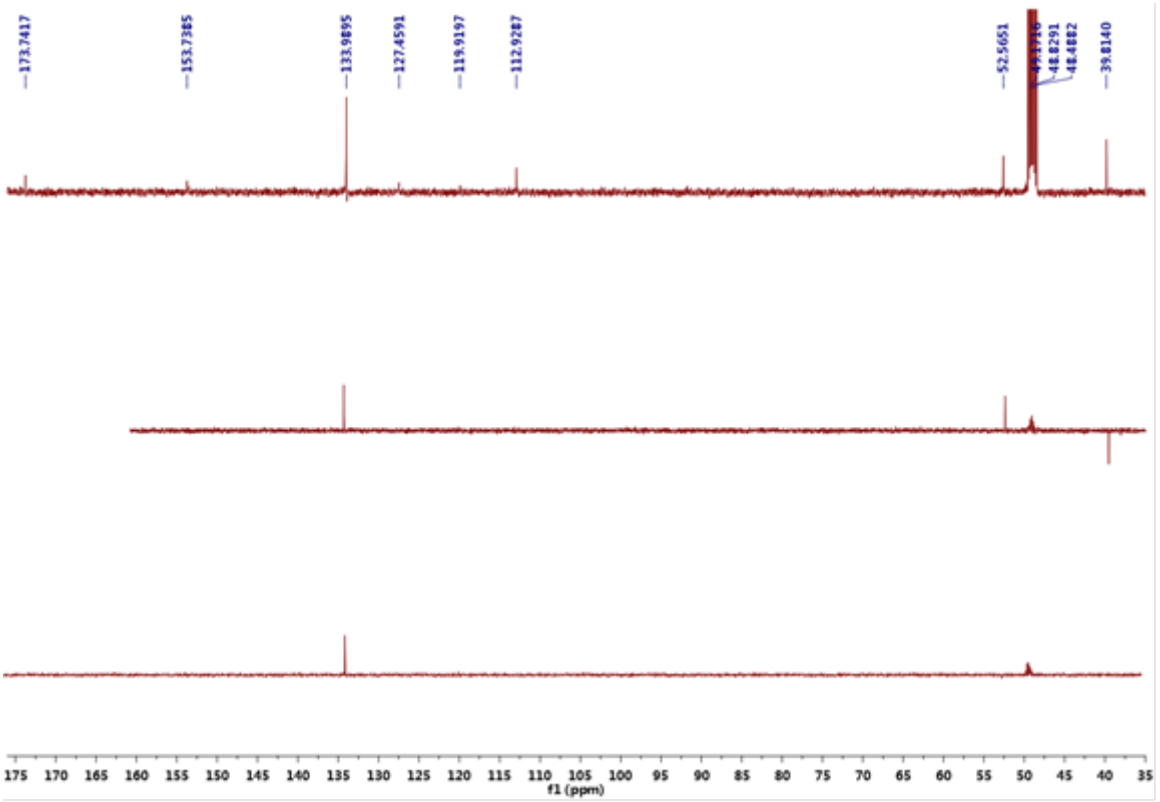


Figure S20: ^{13}C-NMR and DEPT (125 MHz, MeOD) spectra of **5**

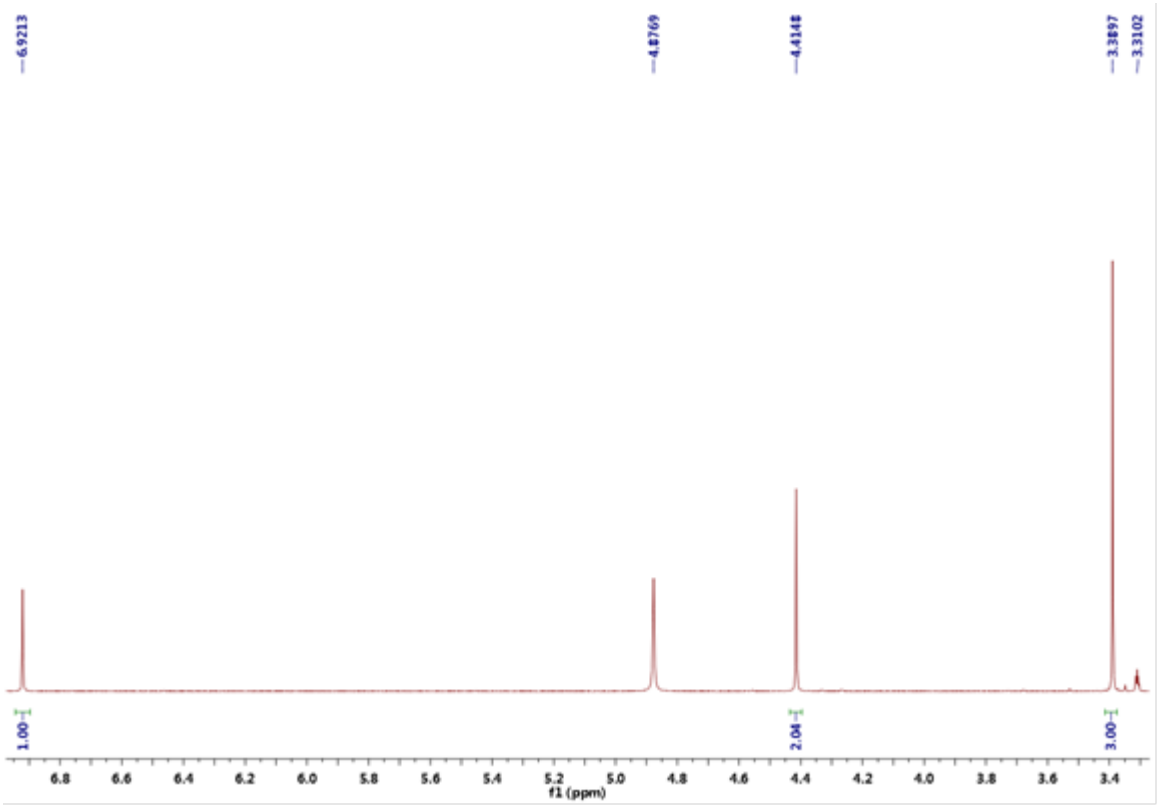


Figure S21: ^{1}H-NMR (500 MHz, MeOD) spectrum of **6**

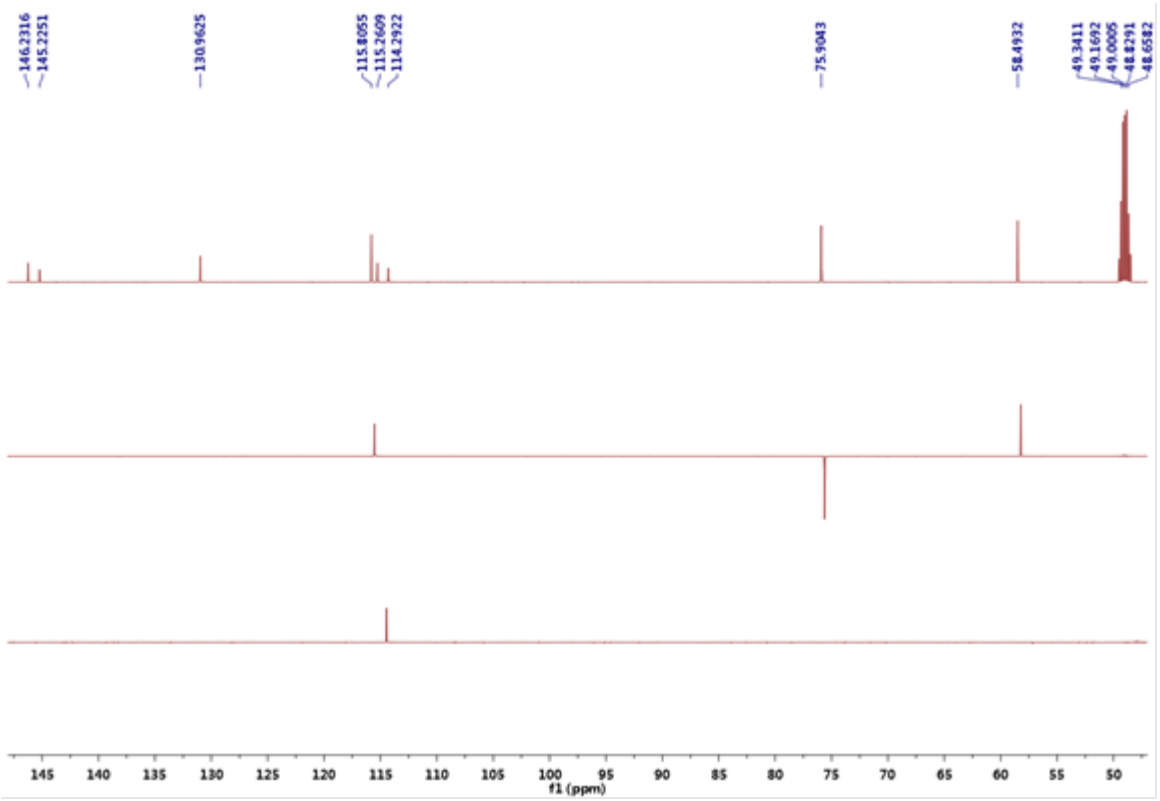


Figure S22: ^{13}C-NMR and DEPT (125 MHz, MeOD) spectra of **6**

S1: ^{1}H- and ^{13}C-NMR data of **2-6**

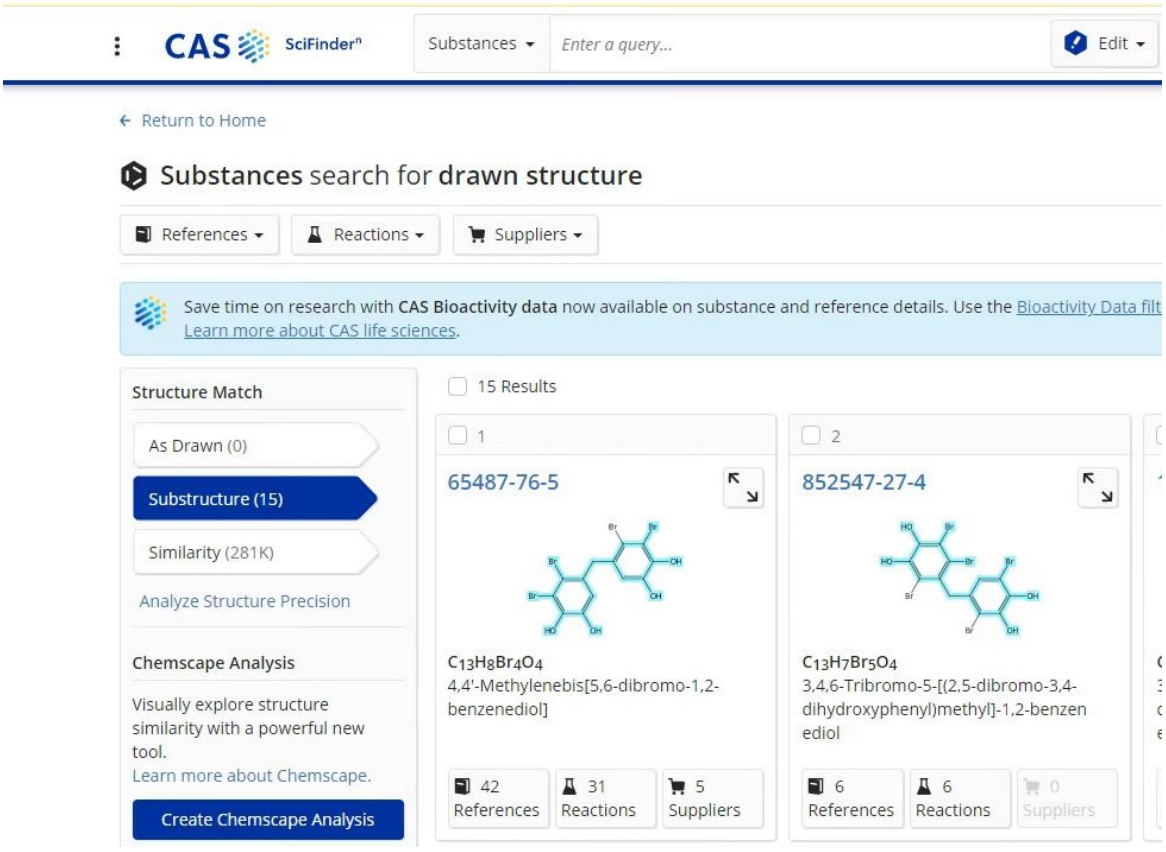
*2-Methoxy-3-bromo-5-hydroxymethylphenol (**2**)*: ^{1}H NMR (MeOD, 500 MHz) δ 7.00 (1H, d, J = 1.9), 6.82 (1H, d, J = 1.9), 4.46 (2H, s), 3.79 (3H, s); ^{13}C NMR (MeOD, 125 MHz) δ 152.5 (C), 145.4 (C), 140.6 (C), 122.8 (CH), 117.9 (C), 115.5 (CH), 64.2 (CH_2), 60.8 (CH_3).

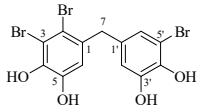
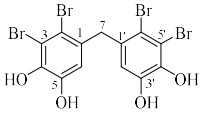
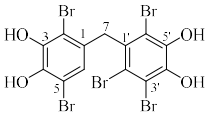
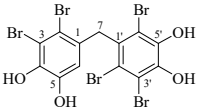
*5-(2,3-Dihydroxybenzyl)-3,4-dibromobenzene-1,2-diol (**3**)*: ^{1}H NMR (MeOD, 500 MHz) δ 6.47 (2H, s), 4.02 (2H, s); ^{13}C NMR (MeOD, 125 MHz) δ 146.4 (C), 144.5 (C), 132.6 (C), 116.9 (C), 116.7 (CH), 114.5 (CH), 45.4 (CH_2).

5-(2-bromo-3,4-dihydroxy-6-(methoxymethyl)benzyl)-3,4-dibromobenzene-1,2-diol (**4**): ^{1}H NMR (MeOD, 500 MHz) δ 6.87 (1H, s), 6.07 (H, s), 4.19 (2H, s), 4.12 (2H, s), 3.27 (3H, s); ^{13}C NMR (MeOD, 125 MHz) δ 146.2 (C), 145.6 (C), 144.4 (C), 143.8 (C),132.7 (C), 130.3 (C),130.2 (C), 116.8 (CH), 116.2 (C), 115.6 (C), 115.1 (CH), 114.1 (C), 74.1 (CH_2), 58.3 (CH_3), 39.8 (CH_2).

*Methyl 2-(3,5-dibromo-4-hydroxybenyl)acetate (**5**)*: ^{1}H NMR (MeOD, 500 MHz) δ 7.35 (2H, s), 3.68 (3H, s), 3.52 (2H, s); ^{13}C NMR (MeOD, 125 MHz) δ 173.7 (C), 153.7 (C), 134.0 (CH), 134.0 (CH), 127.5 (C), 119.9 (C), 112.9 (C), 52.7 (CH_3), 39.8 (CH_2).

*3,4-Dibromo-5-(methoxymethyl)benzene-1,2-diol (**6**)*: ^{1}H NMR (MeOD, 500 MHz) δ 6.92 (1H, s), 4.41 (2H, s), 3.39 (3H, s); ^{13}C NMR (MeOD, 125 MHz) δ 146.2 (C), 145.2 (C), 131.0 (C), 115.8 (CH), 115.3 (C), 114.3 (C), 75.9 (CH_2), 58.5 (CH_3).



	 **1**			
1	133.8[a], C	132.0, C	130.5, C	131.0, C
2	116.7, C	116.4, C	112.1, C	116.3, C
3	114.4, C	113.6, C	144.4, C	114.4[c], C
4	144.5[b], C	143.8, C	142.4, C	144.0, C
5	146.4[b], C	145.4, C	109.5, C	146.3, C
6	117.1, CH 6.61, s	116.5, CH 6.58, s	121.9, CH 6.25, s	116.3, CH 6.04, s
7	42.7, CH_2 3.87, s	44.5, CH_2 4.04, s	44.6, CH_2 4.42, d (0.8)	46.6, CH_2 4.37, s
1′	133.9 [a], C	132.0, C	131.0, C	131.9, C
2′	115.9, CH 6.53, d (1.6)	116.5, CH 6.58, s	113.9, C	114.3[c], C
3′	147.4, C	145.4, C	113.9, C	114.5[c], C
4′	142.5, C	143.8 C	144.7, C	145.5, C
5′	110.7, C	113.6, C	144.0, C	145.2, C
6′	124.5, CH 6.74, d (1.7)	116.4, C	118.1, C	118.4, C

[a,,b,c]Data are interchangeable

Figure S23: SciFinder search results of **1** and the NMR data of compounds