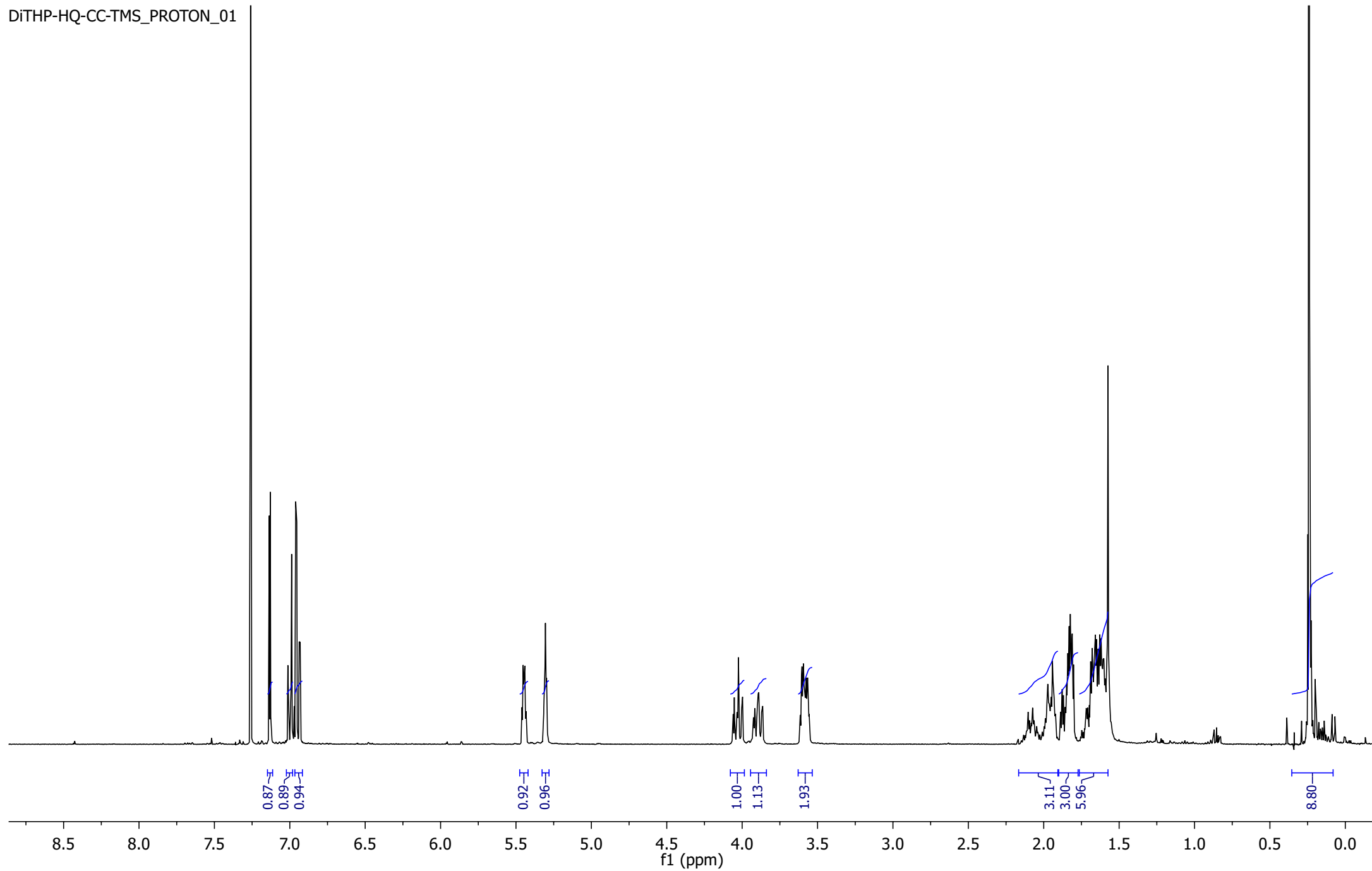
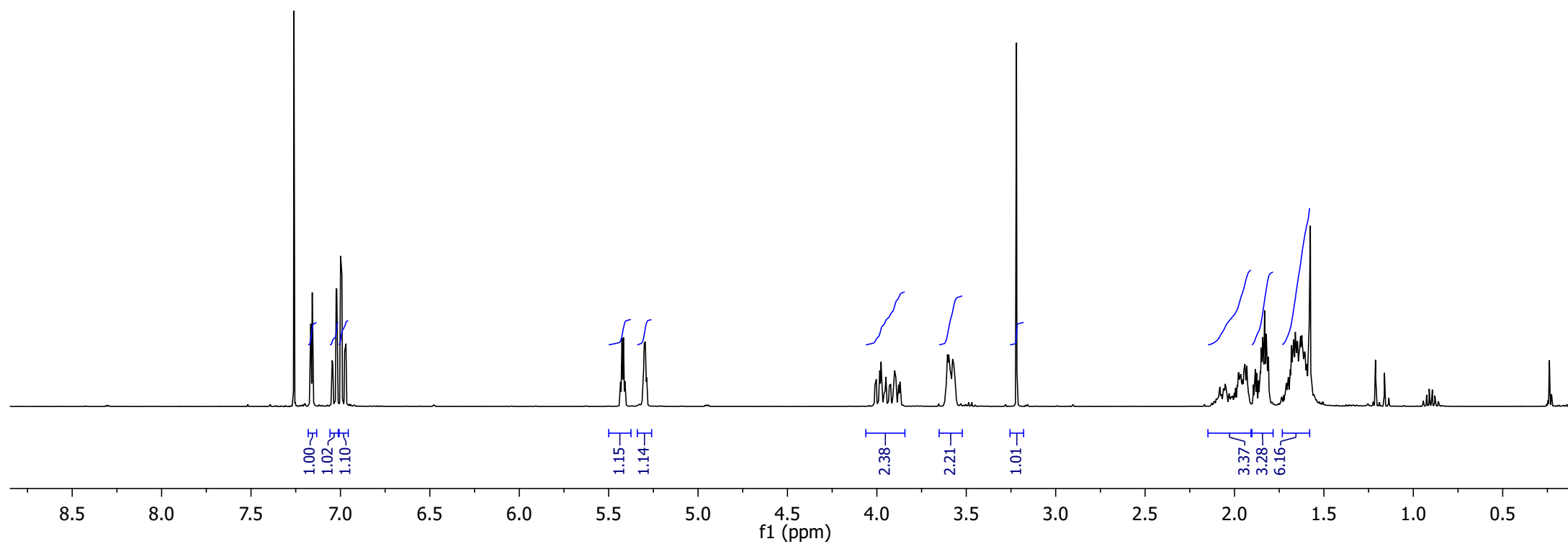


Figure S12. ¹H NMR spectrum (400 MHz, CDCl₃) of compound 3.

Figure S13. ¹H NMR spectrum (400 MHz, CDCl₃) of compound 4.

Figure S14. ^1H NMR spectrum (400 MHz, CDCl_3) of compound 5.

7.20
7.19
7.19
7.19
7.18
7.18
6.84
6.84
6.64
6.64

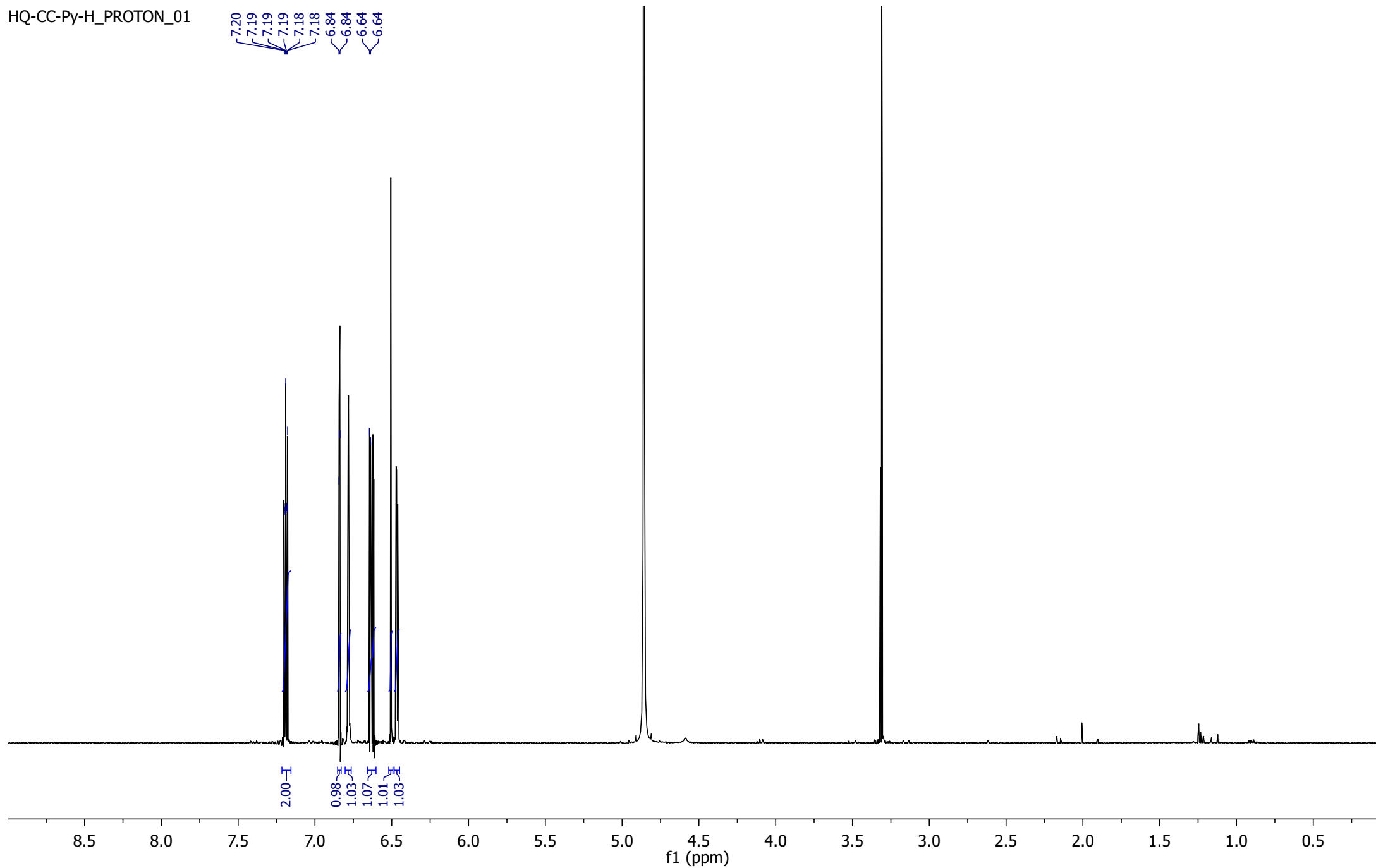


Figure S15. ¹H NMR spectrum (400 MHz, CD₃OD) of compound 1.

DiTHP-HQ-Br_CARBON_01

152.22
152.18
148.37
148.32

121.53
121.46
117.87
117.83
116.55
116.44
113.49

97.60
97.54
97.16
97.10

77.32
77.20
77.00
76.68

61.98
61.85

30.32
30.25
30.24
25.26
25.16

18.68
18.43

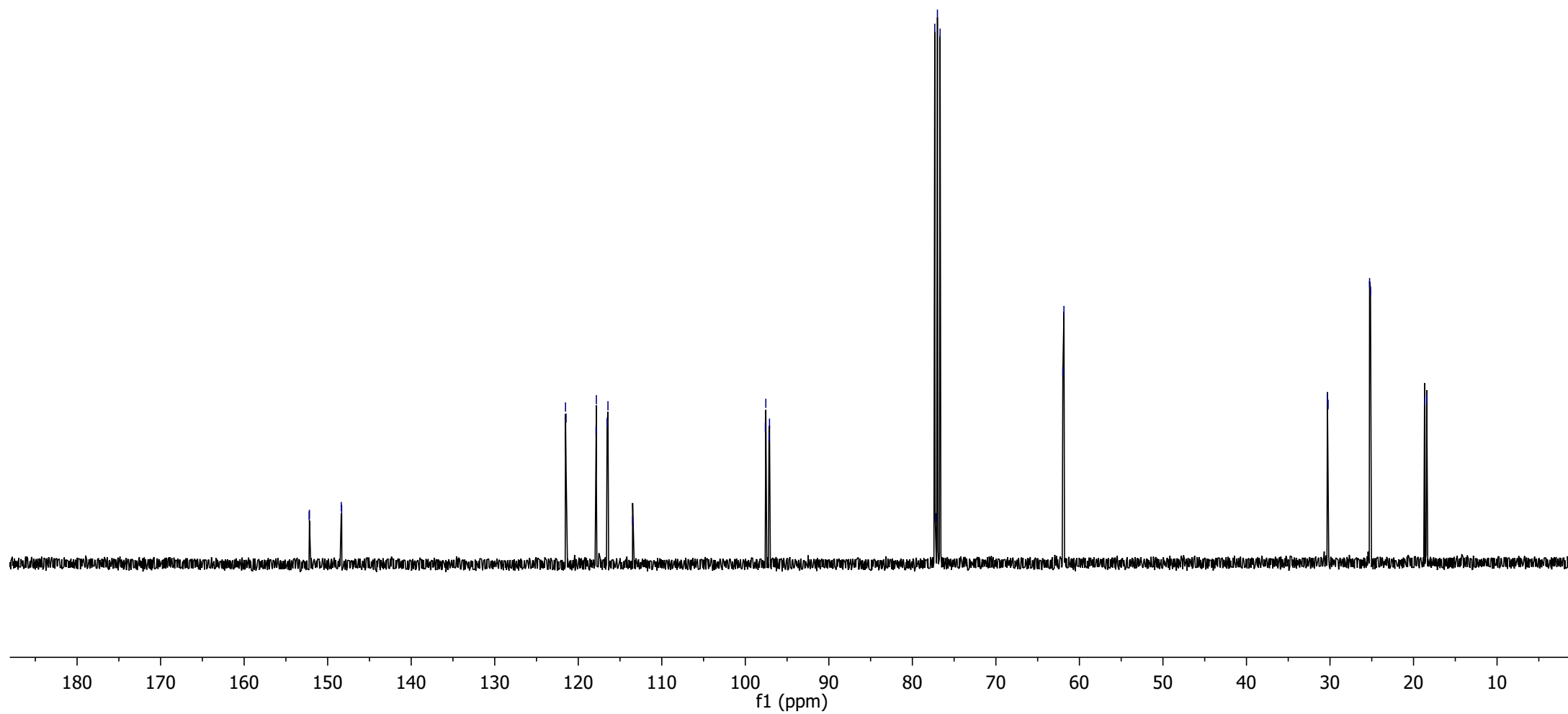


Figure S16. ^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 3.

DiTHP-HQ-CC-TMS_CARBON_01

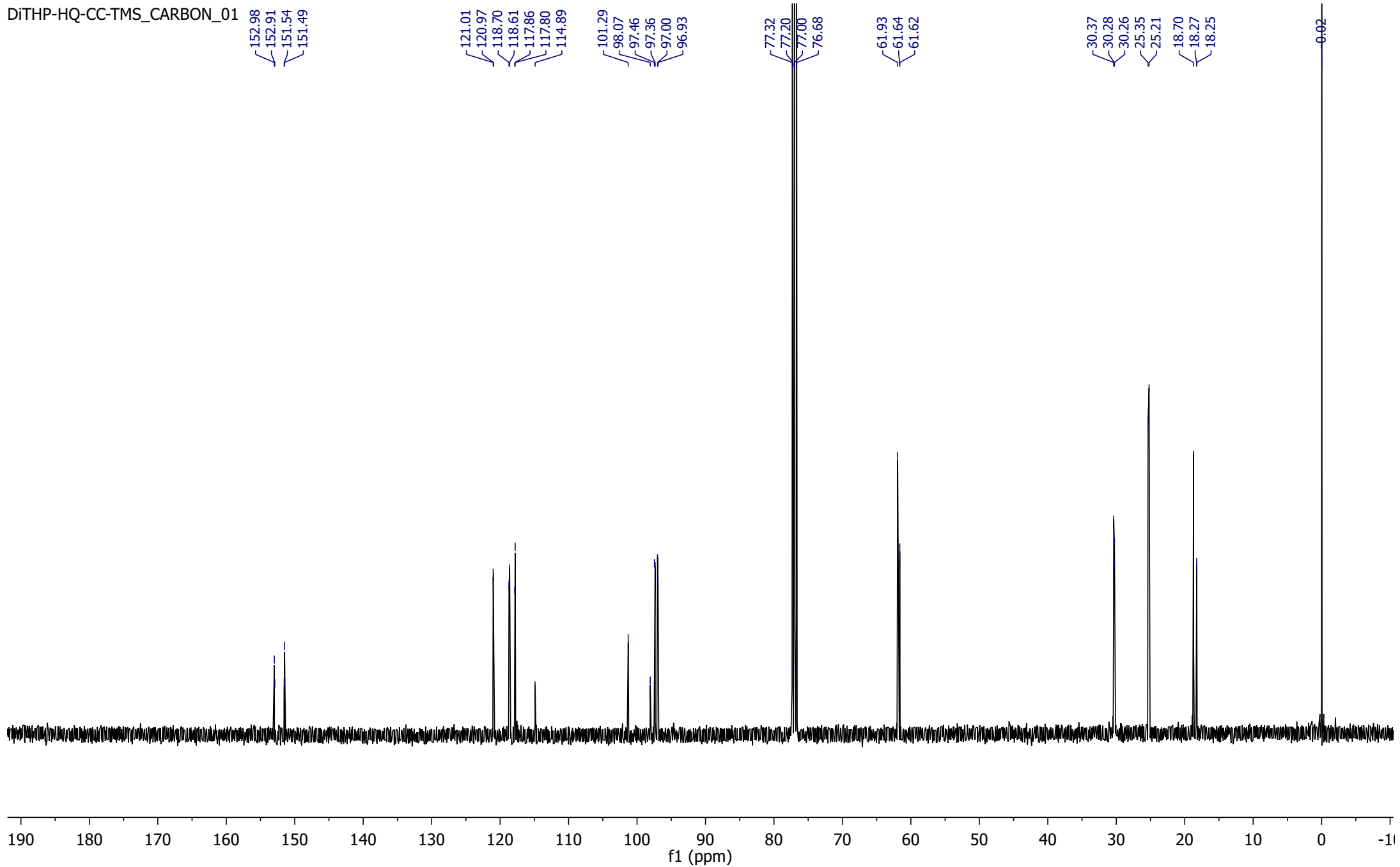


Figure S17. ^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 4.

DiTHP-HQ-CC-H_CARBON_01

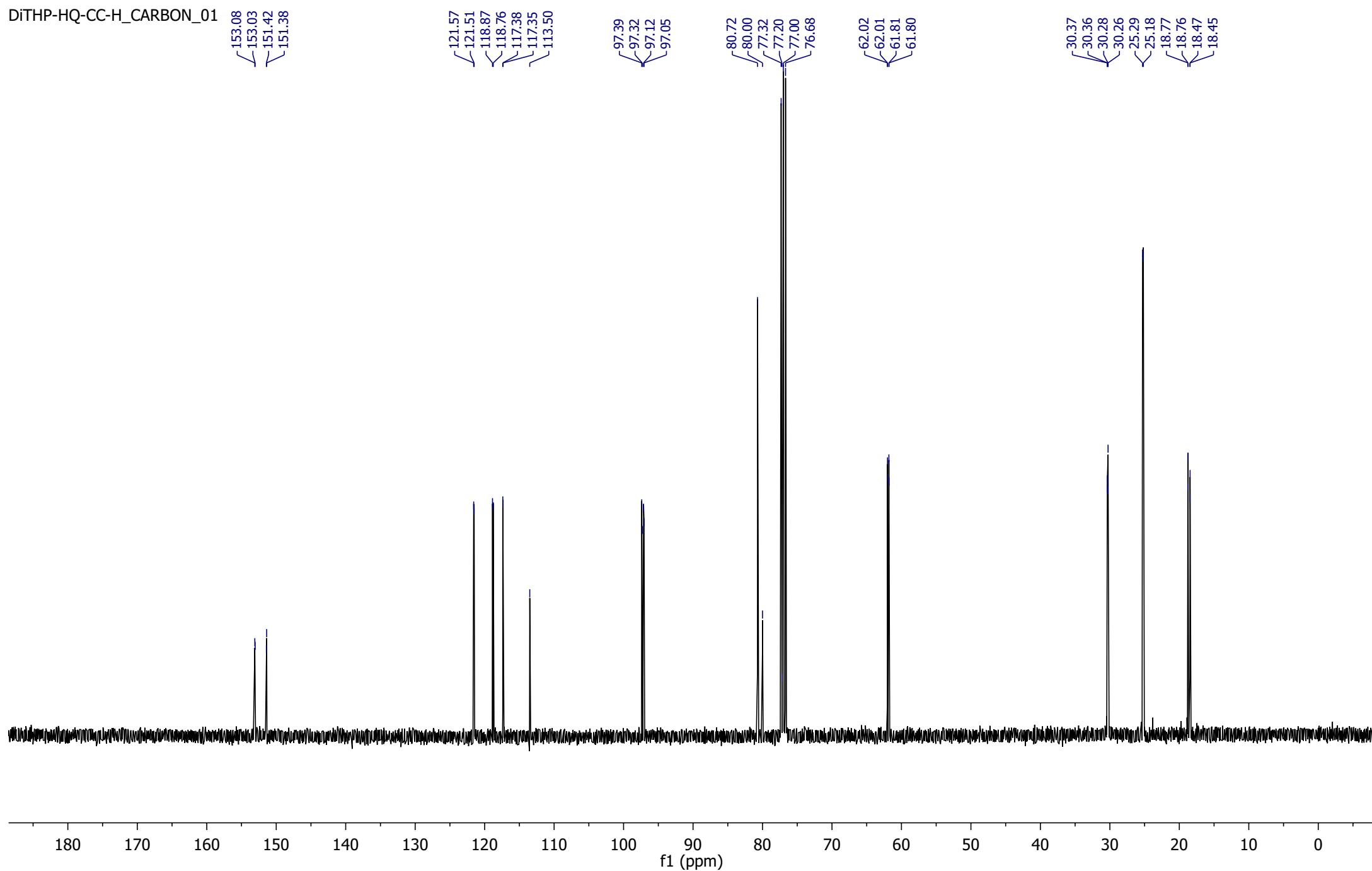


Figure S18. ^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 5.

HQ-CC-Py-H_CARBON_01

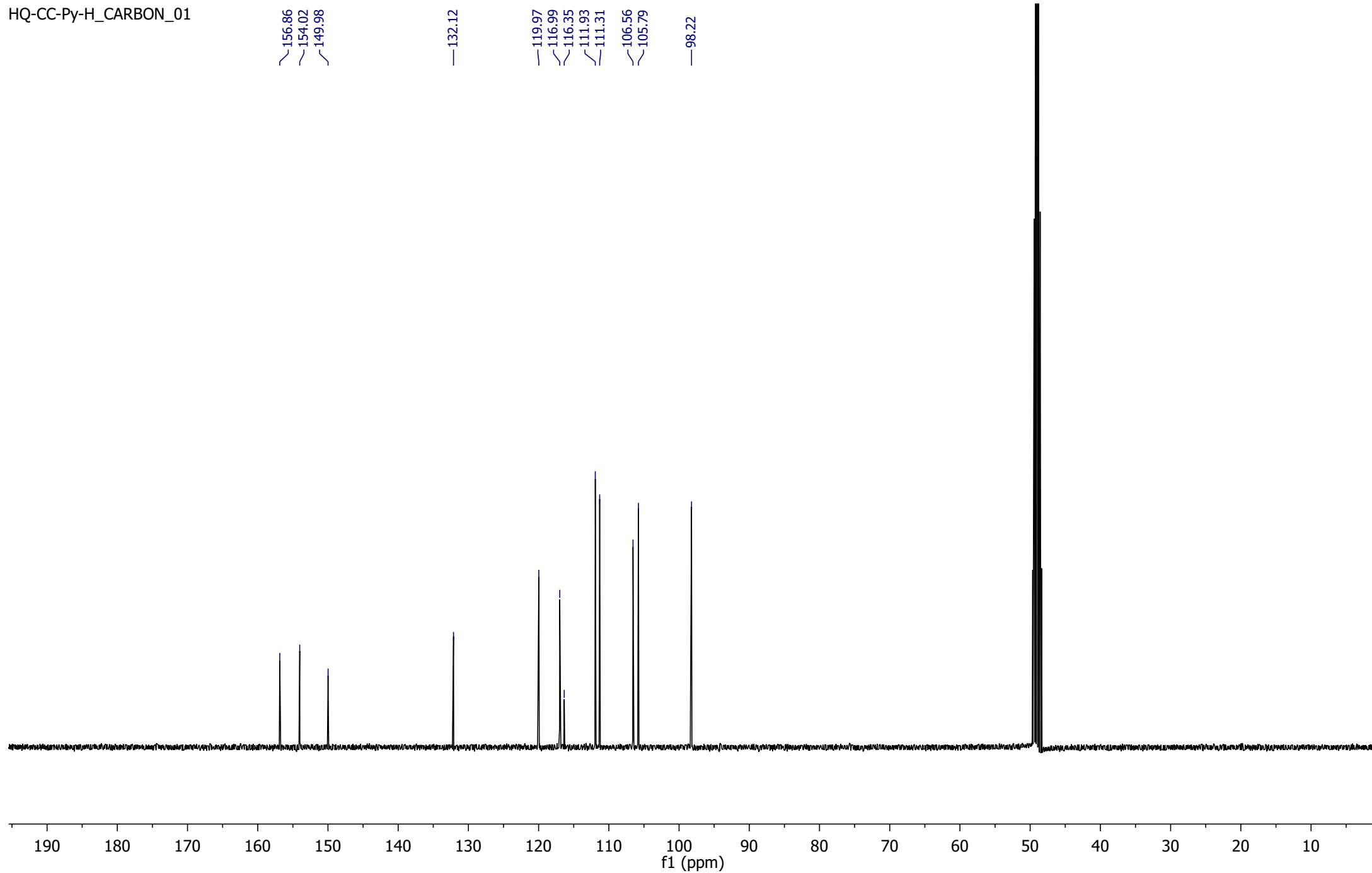
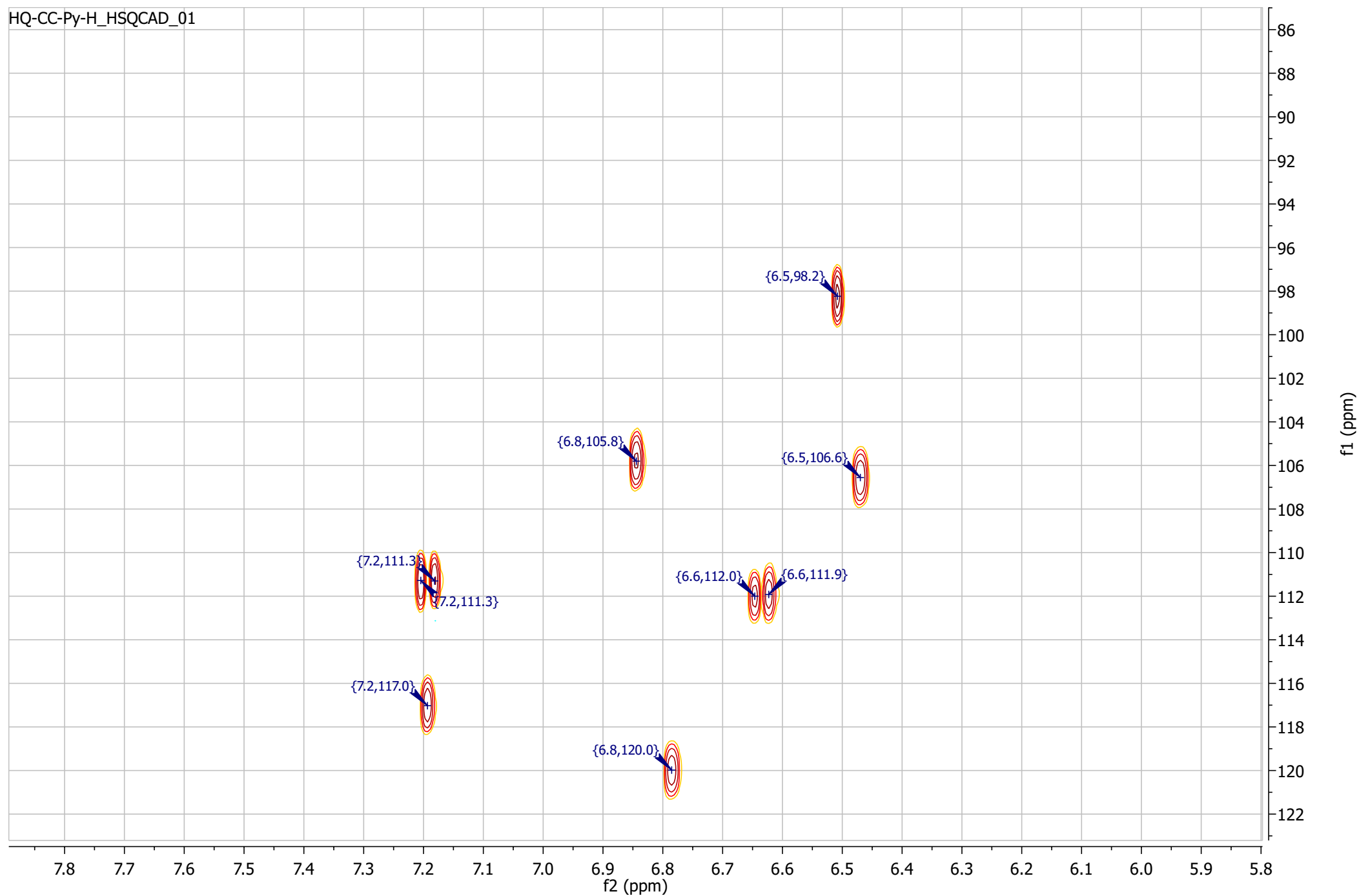


Figure S18. ¹³C NMR spectrum (100 MHz, CD₃OD) of compound 1.

Figure S19. HSQC NMR spectrum (400 MHz, CD₃OD) of compound **1**.

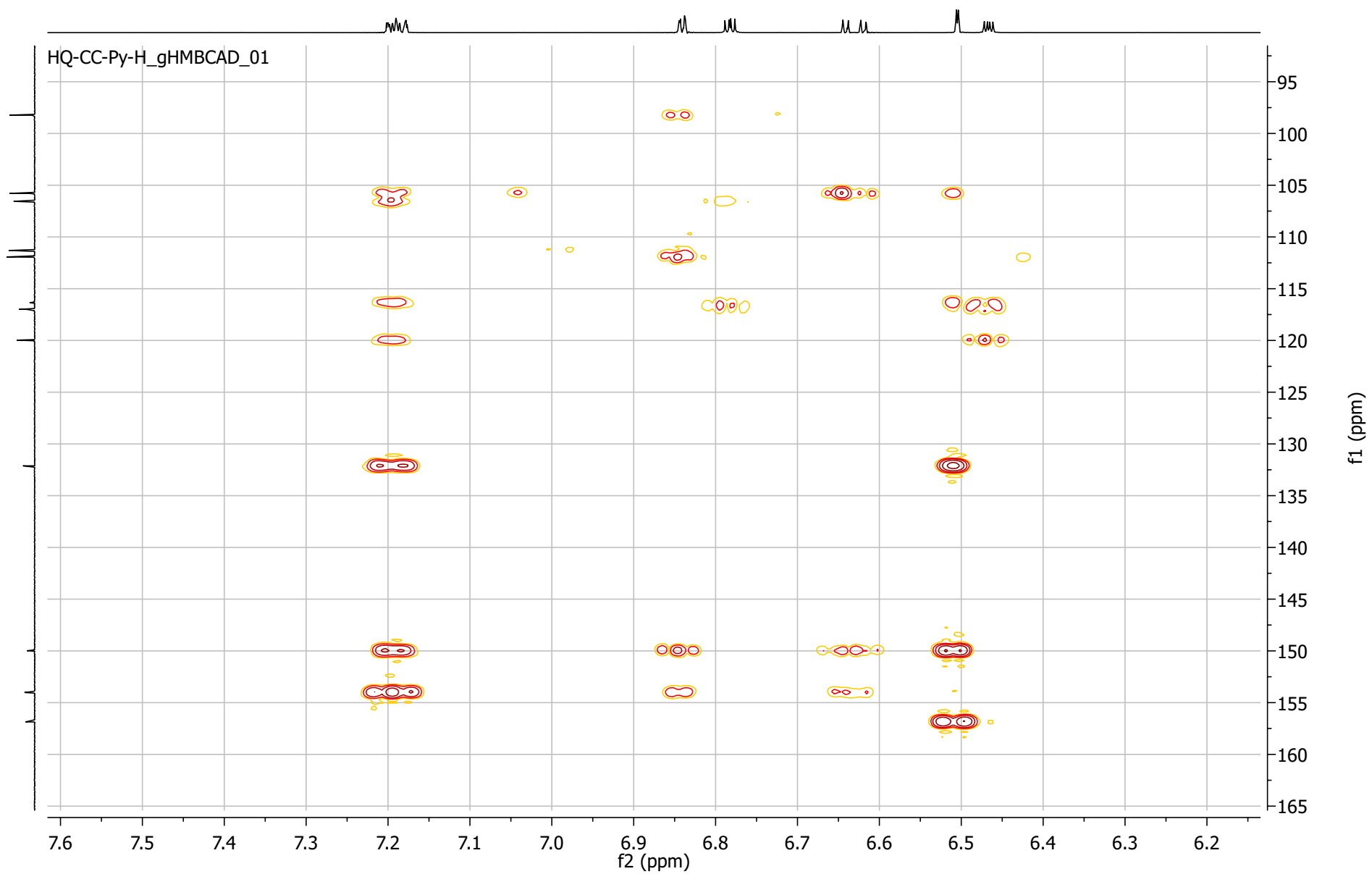


Figure S20. HMBC NMR spectrum (400 MHz, CD₃OD) of compound 1.