Supplementary Materials

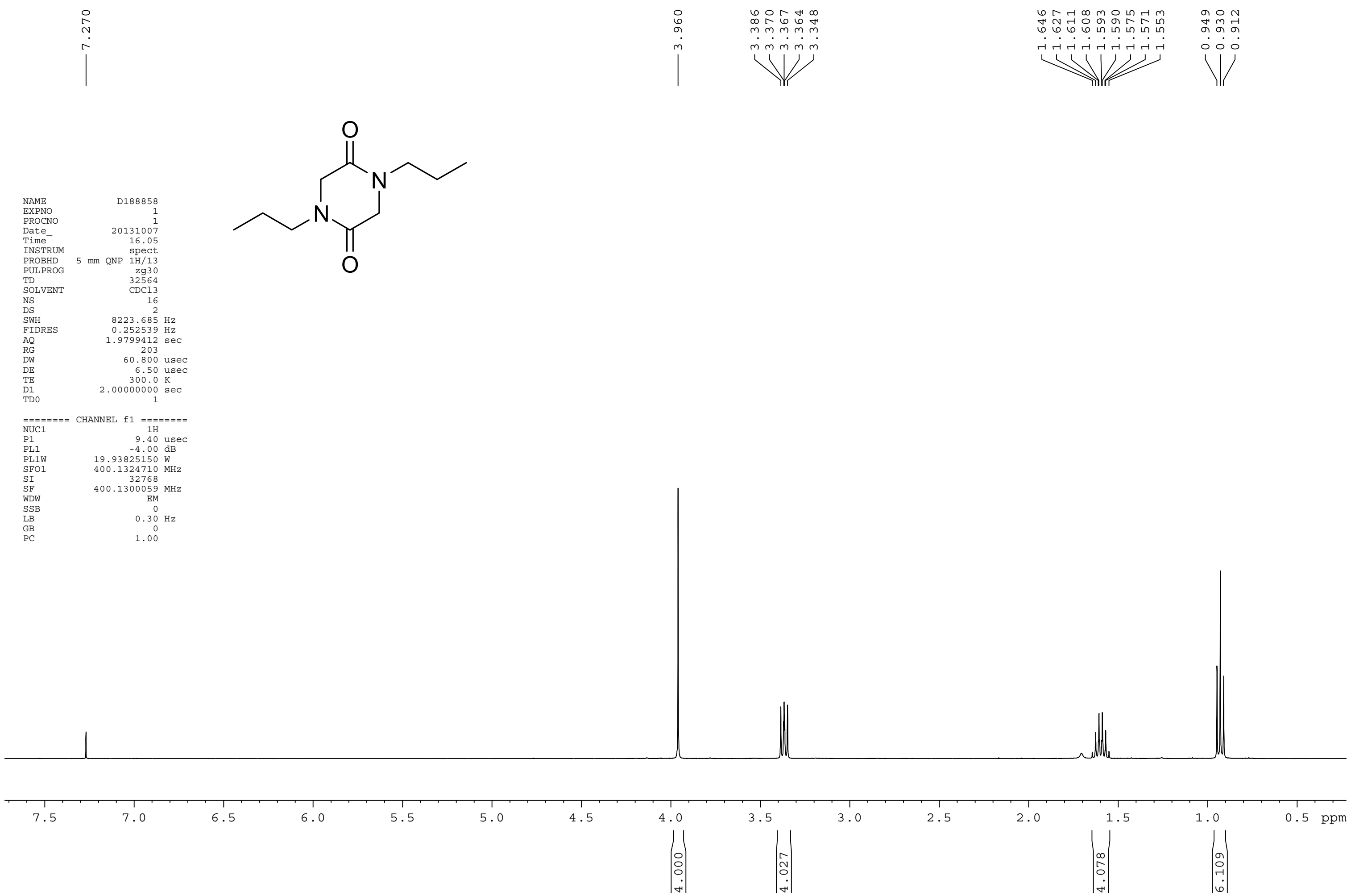


Figure S1. ^{1}H spectrum—compound **16**.

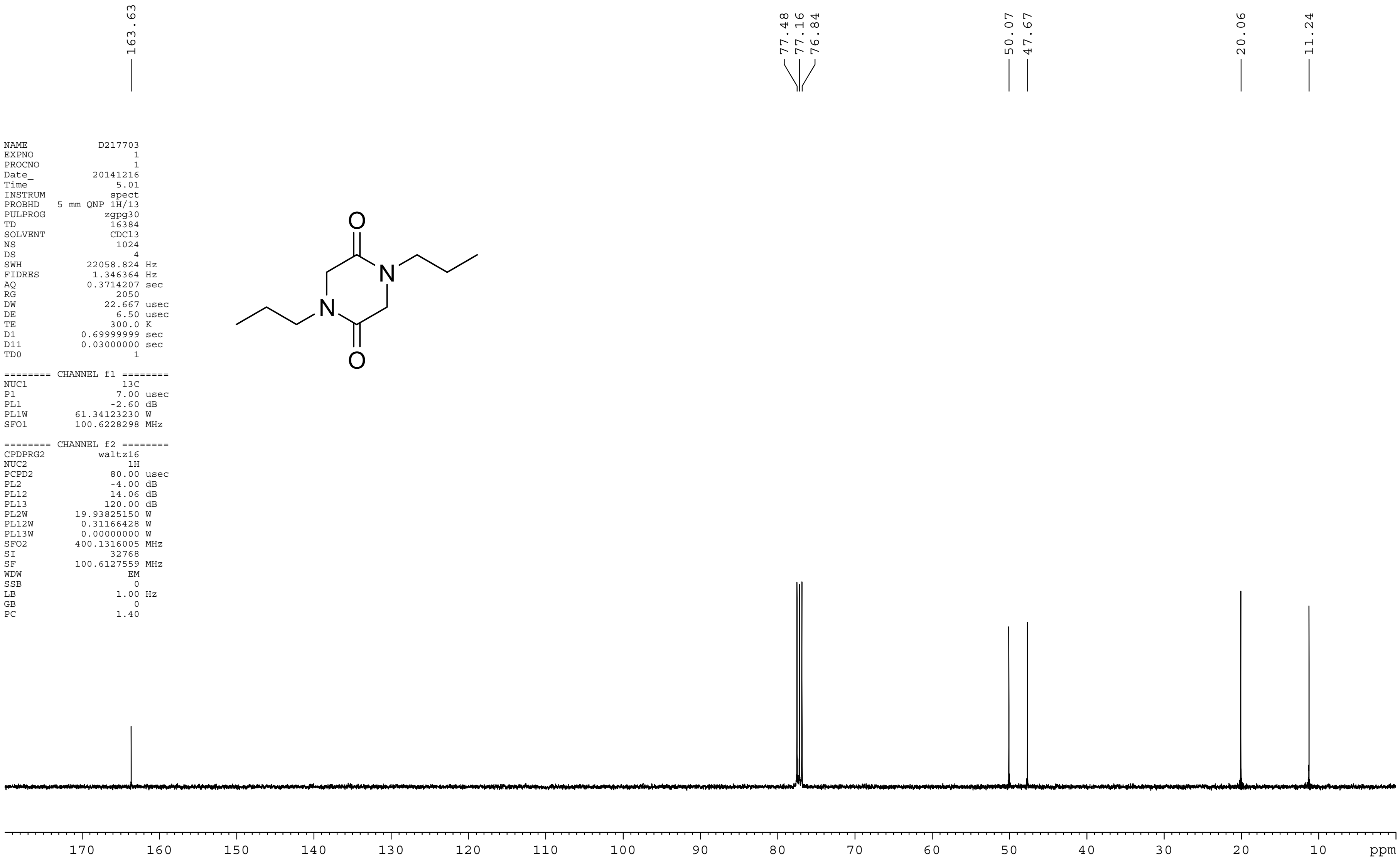
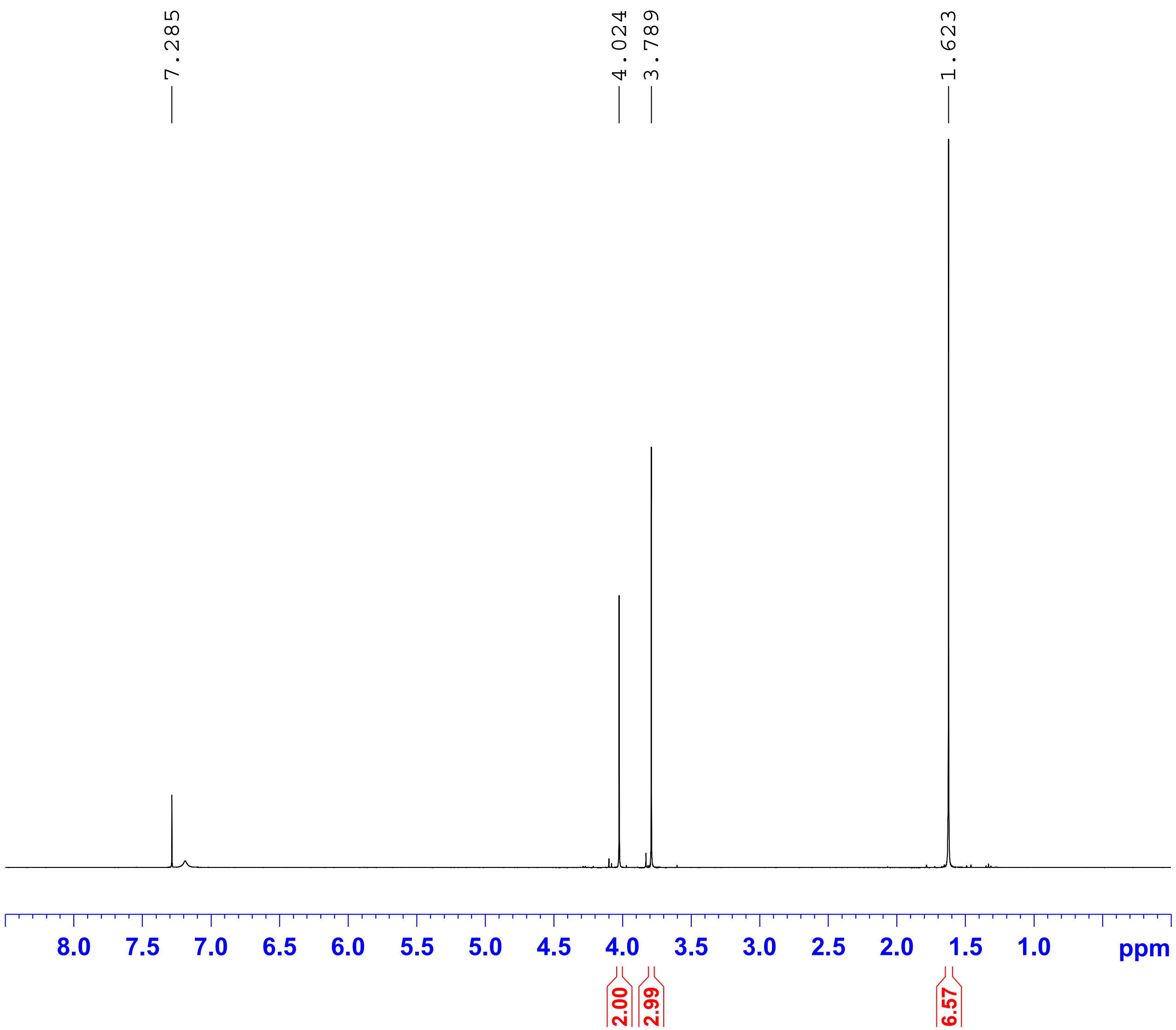


Figure S2. ^{13}C spectrum—compound **16**.




```
NAME              D189303
EXPNO                   1
PROCNO                  1
Date_            20131015
Time                10.24
INSTRUM             spect
PROBHD   5 mm QNP 1H/13
PULPROG              zg30
TD                  32564
SOLVENT             CDCl3
NS                     16
DS                      2
SWH              8223.685 Hz
FIDRES           0.252539 Hz
AQ              1.9799412 sec
RG                    406
DW                 60.800 usec
DE                   6.50 usec
TE                  769.1 K
D1             2.00000000 sec
TD0                     1

======== CHANNEL f1 ========
NUC1                   1H
P1                   9.40 usec
PL1                 -4.00 dB
PL1W          19.93825150 W
SFO1          400.1324710 MHz
SI                  32768
SF            400.1300000 MHz
WDW                    EM
SSB                     0
LB                   0.30 Hz
GB                      0
PC                   1.00
```

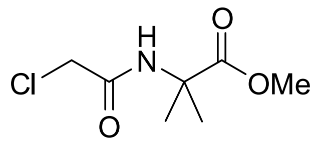


Figure S3. ^{1}H spectrum—intermediate 1 on way to compound **29**.

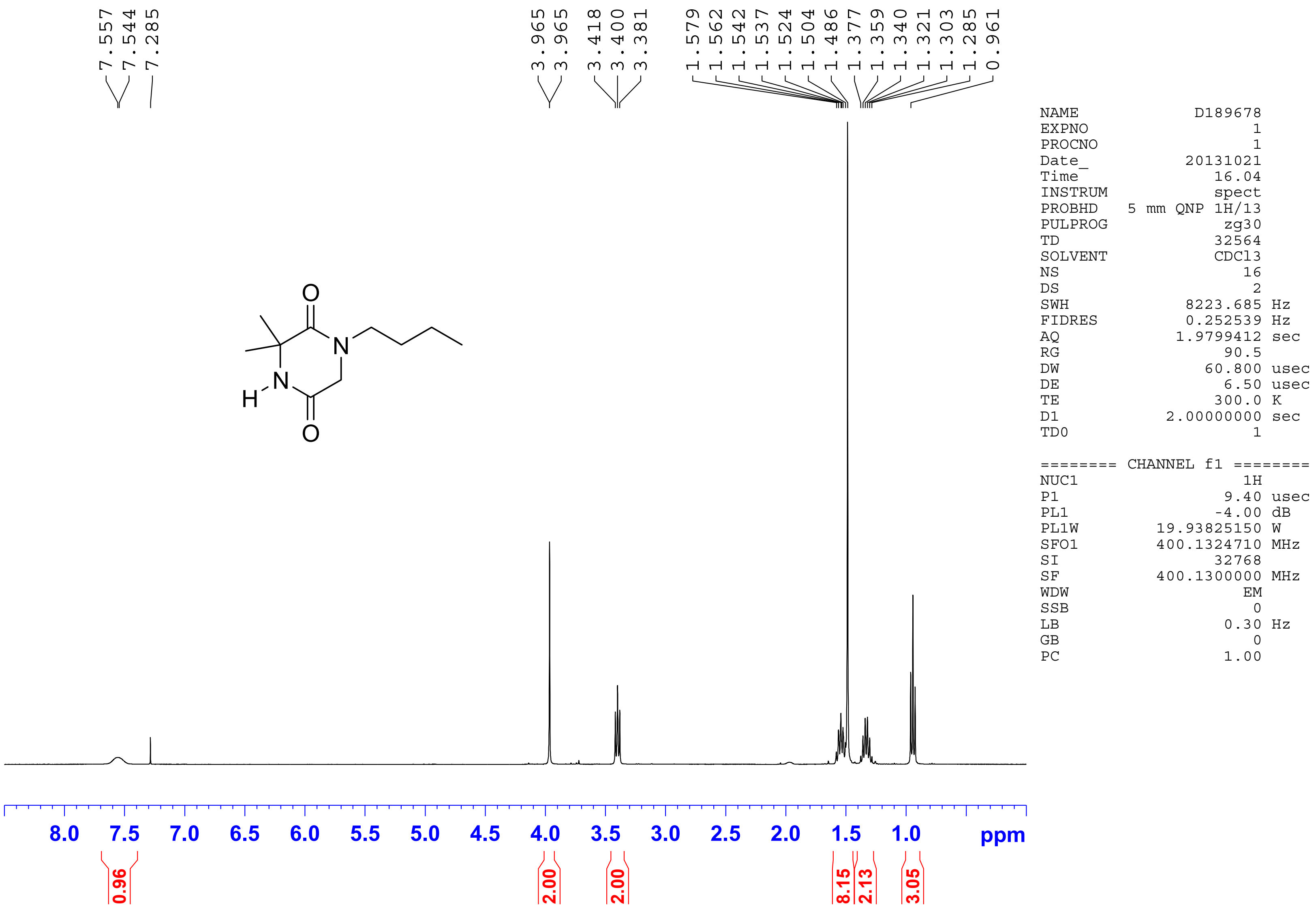
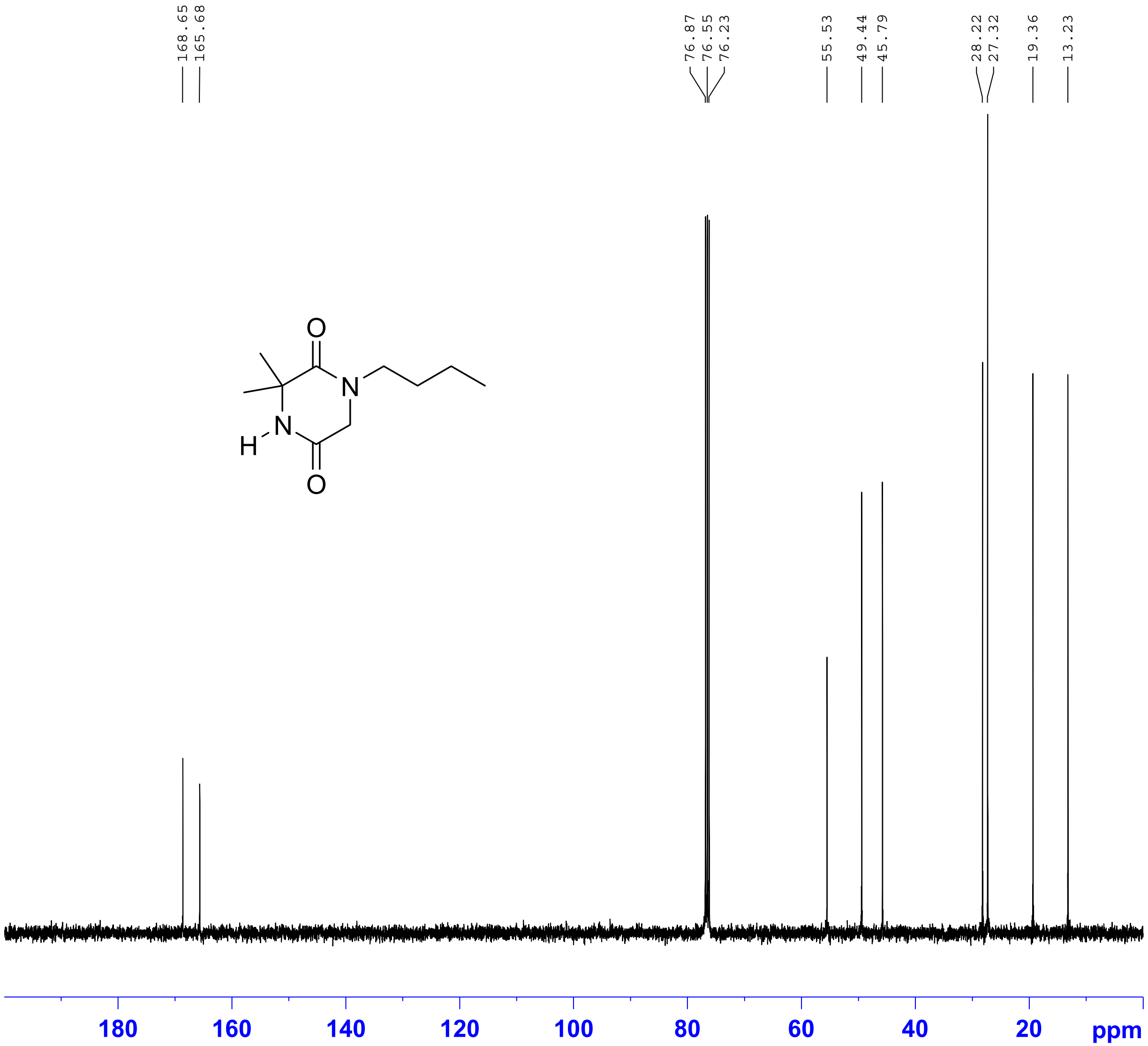


Figure S4. ^{1}H spectrum—intermediate 2 on way to compound **29**.



NAME	D189678
EXPNO	2
PROCNO	1
Date_	20131021
Time	17.47
INSTRUM	spect
PROBHD	5 mm QNP 1H/13
PULPROG	zgpg30
TD	16384
SOLVENT	CDCl3
NS	1024
DS	4
SWH	22058.824 Hz
FIDRES	1.346364 Hz
AQ	0.3714207 sec
RG	2050
DW	22.667 usec
DE	6.50 usec
TE	300.0 K
D1	0.69999999 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ========	
NUC1	13C
P1	7.00 usec
PL1	-2.60 dB
PL1W	61.34123230 W
SFO1	100.6228298 MHz
======== CHANNEL f2 ========	
CPDPRG2	waltz16
NUC2	1H
PCPD2	80.00 usec
PL2	-4.00 dB
PL12	14.06 dB
PL13	120.00 dB
PL2W	19.93825150 W
PL12W	0.31166428 W
PL13W	0.00000000 W
SFO2	400.1316005 MHz
SI	32768
SF	100.6128193 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

Figure S5. ^{13}C spectrum—intermediate 2 on way to compound **29**.

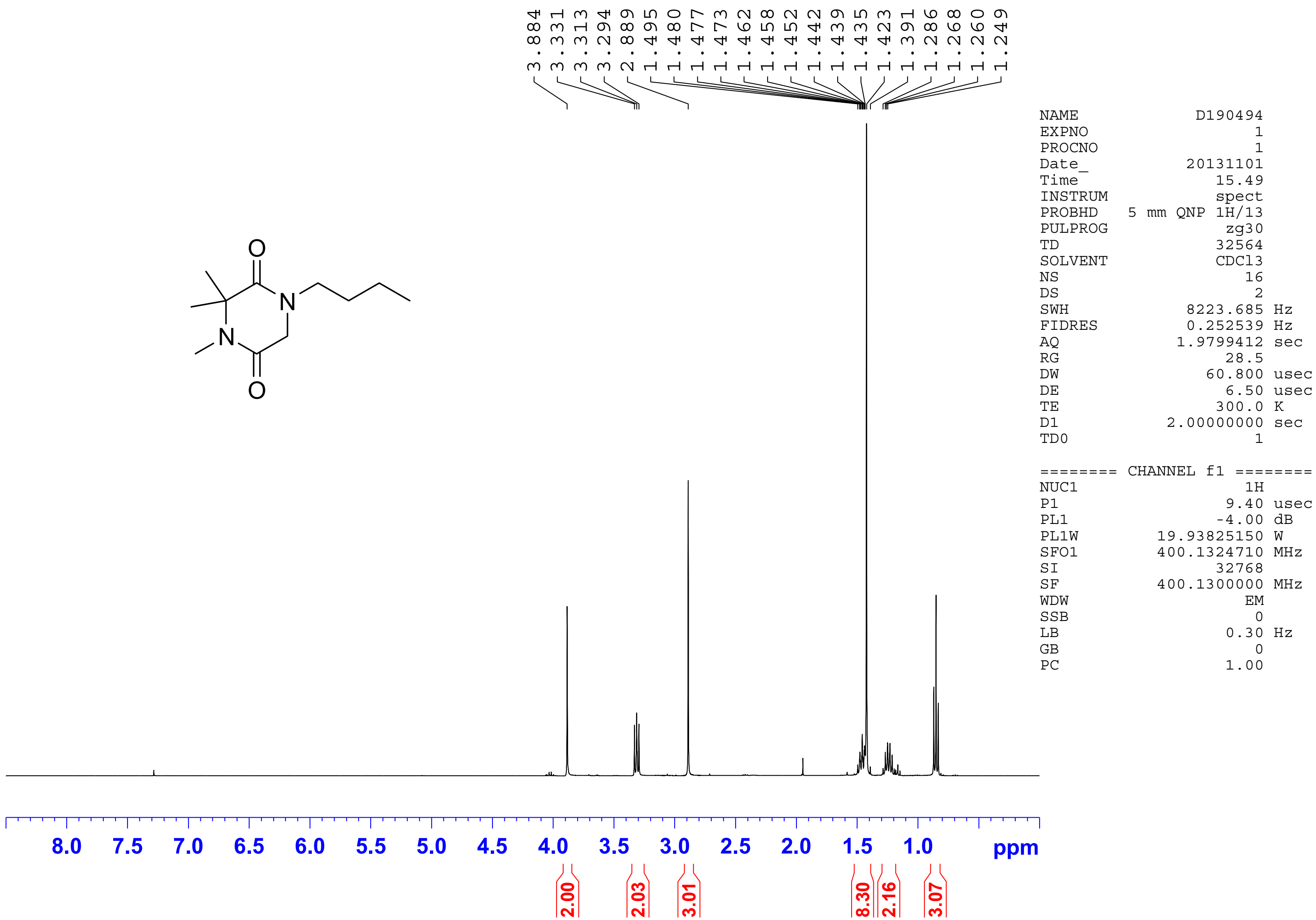


Figure S6. ^{1}H spectrum—compound **29**.

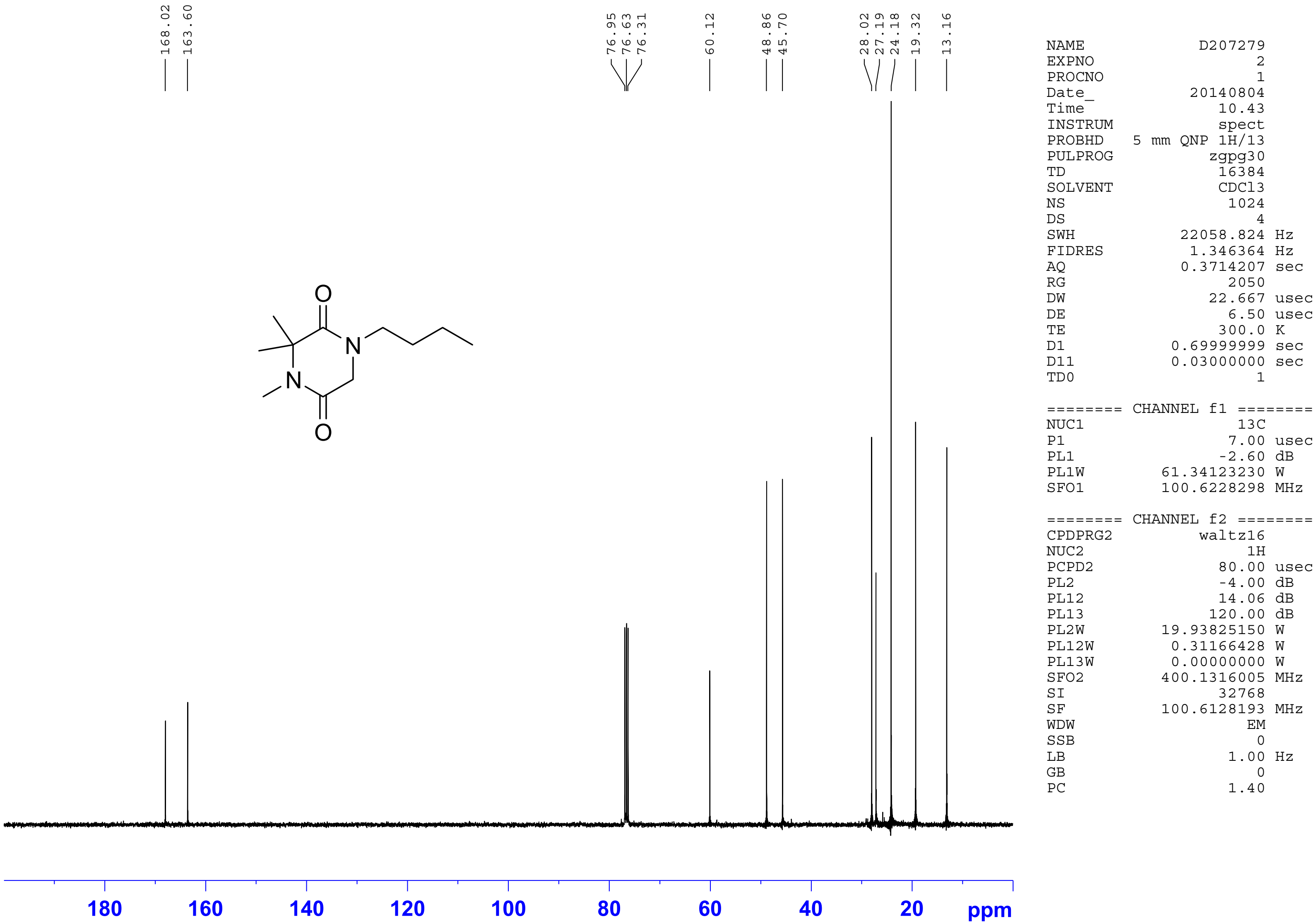


Figure S7. ^{13}C spectrum—compound **29**.

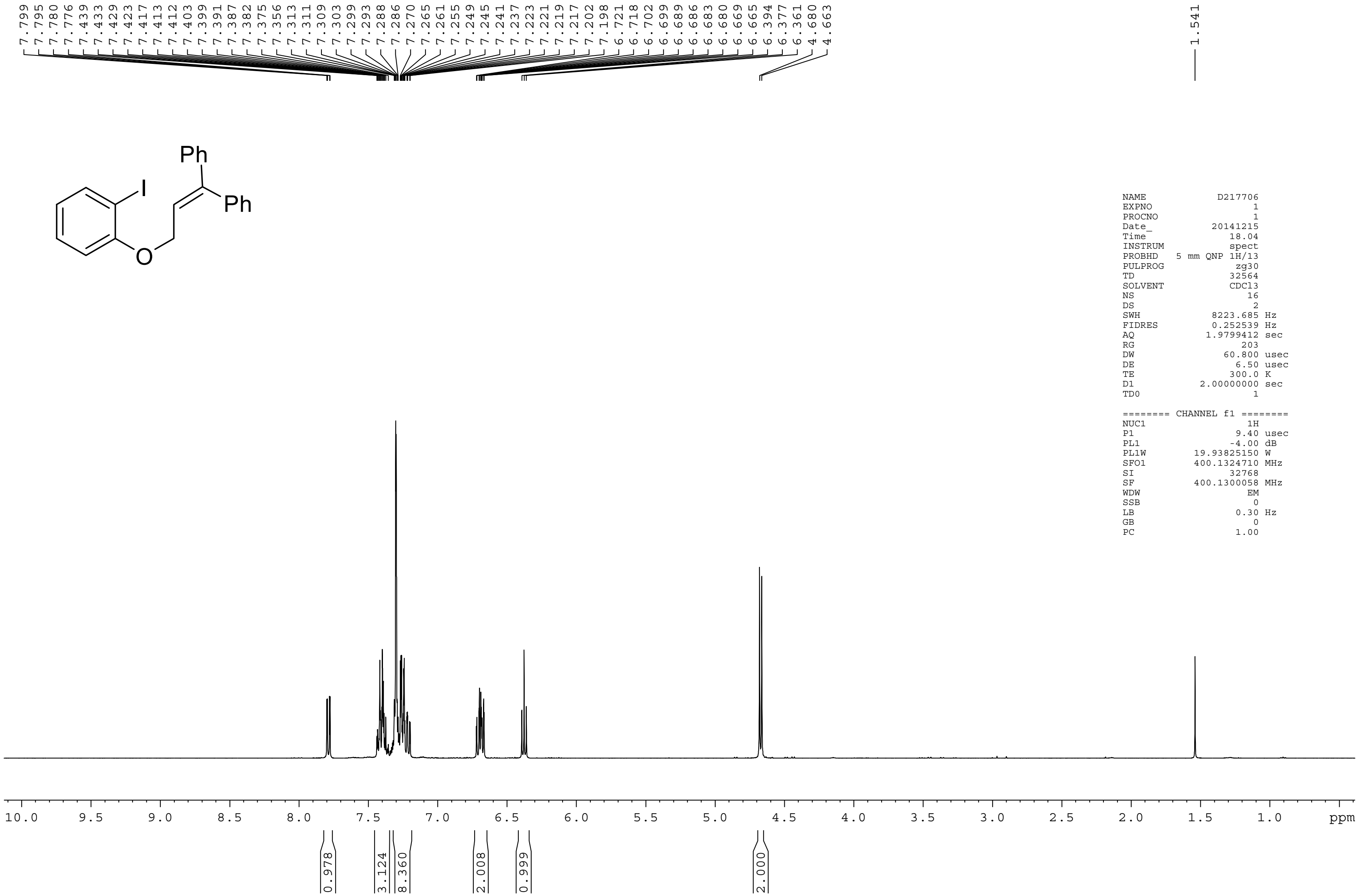


Figure S8. ^{1}H spectrum—compound **20**.

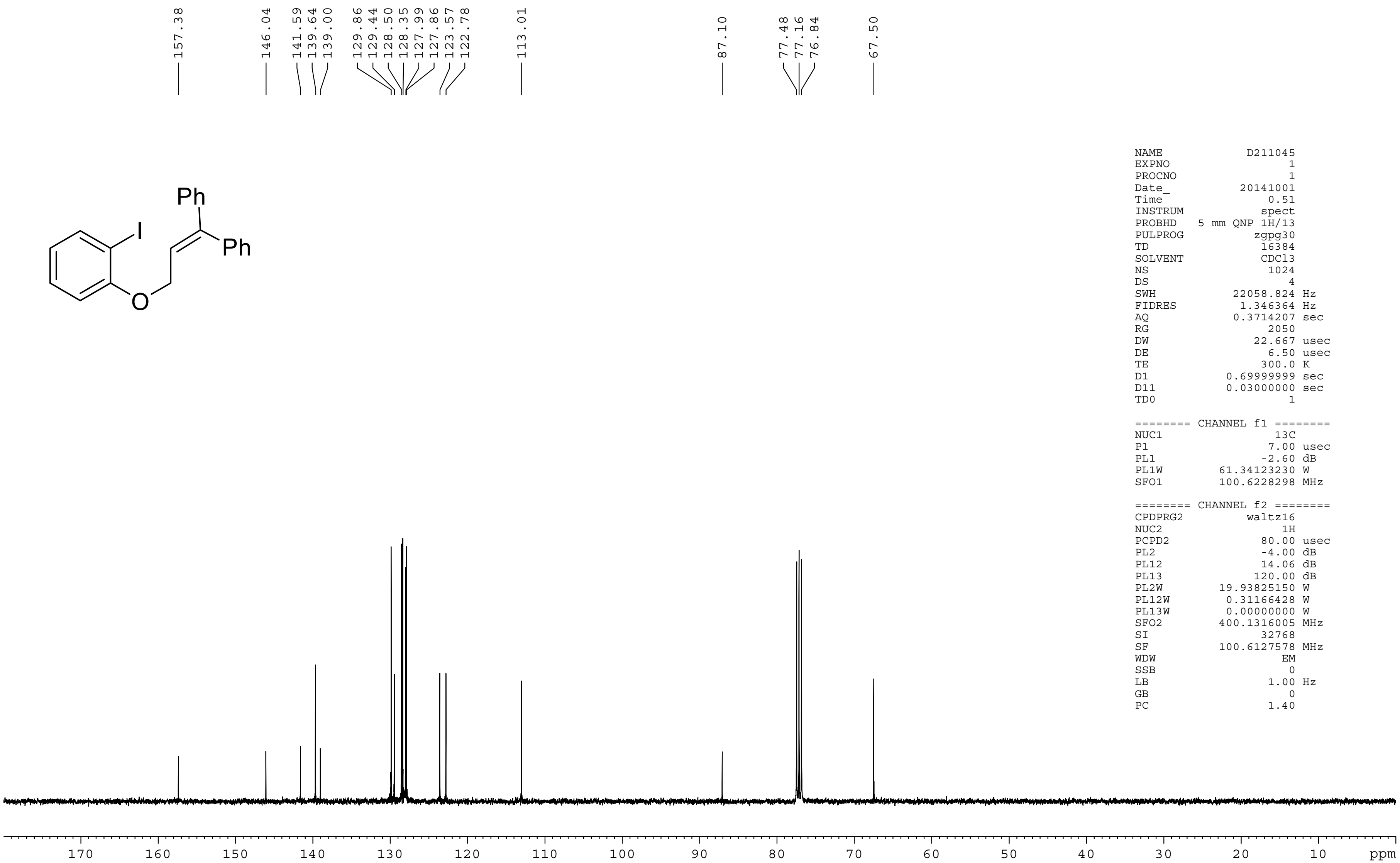


Figure S9. ^{13}C spectrum—compound **20**.

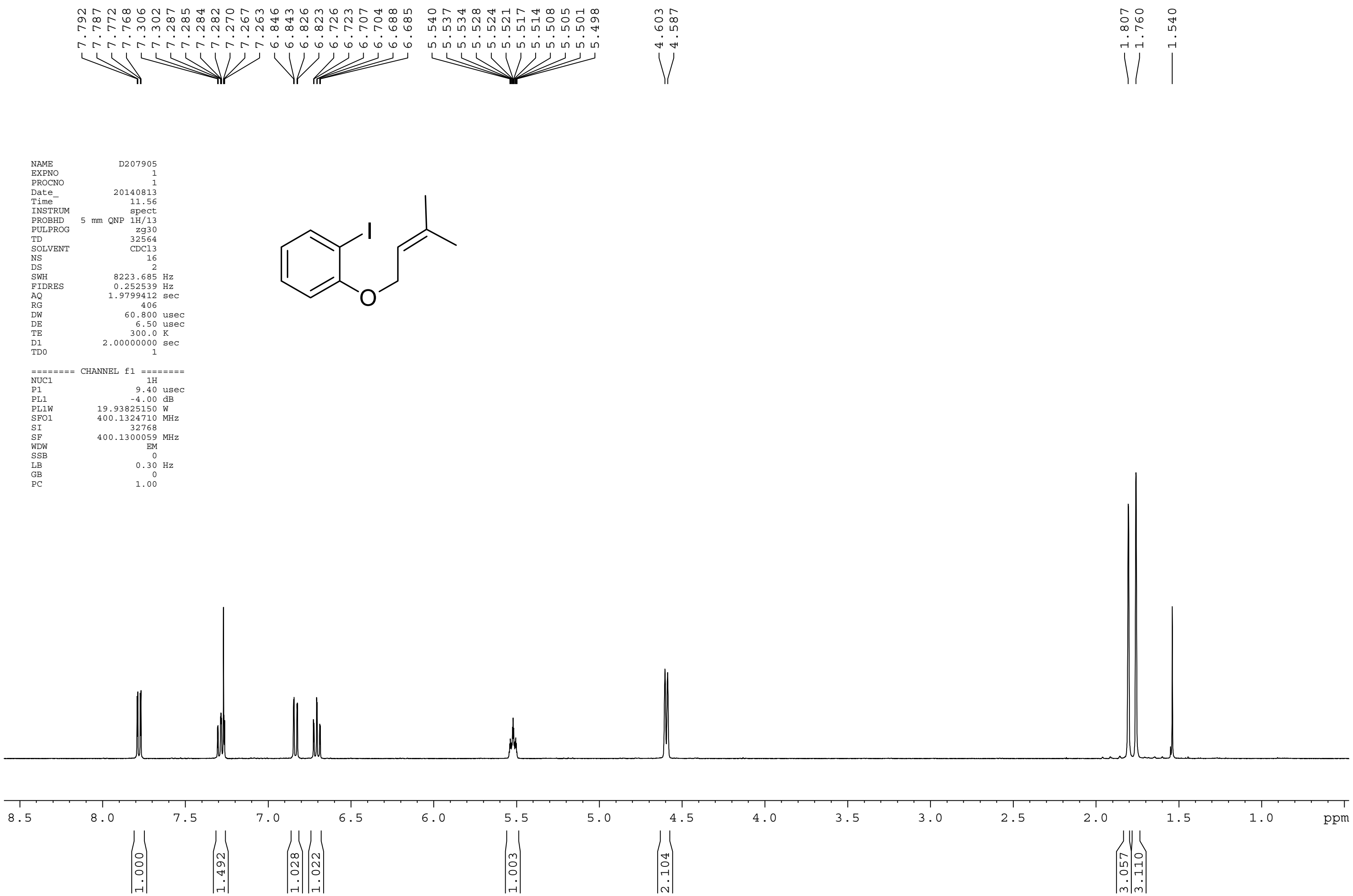


Figure S10. ^{1}H spectrum—compound **23**.

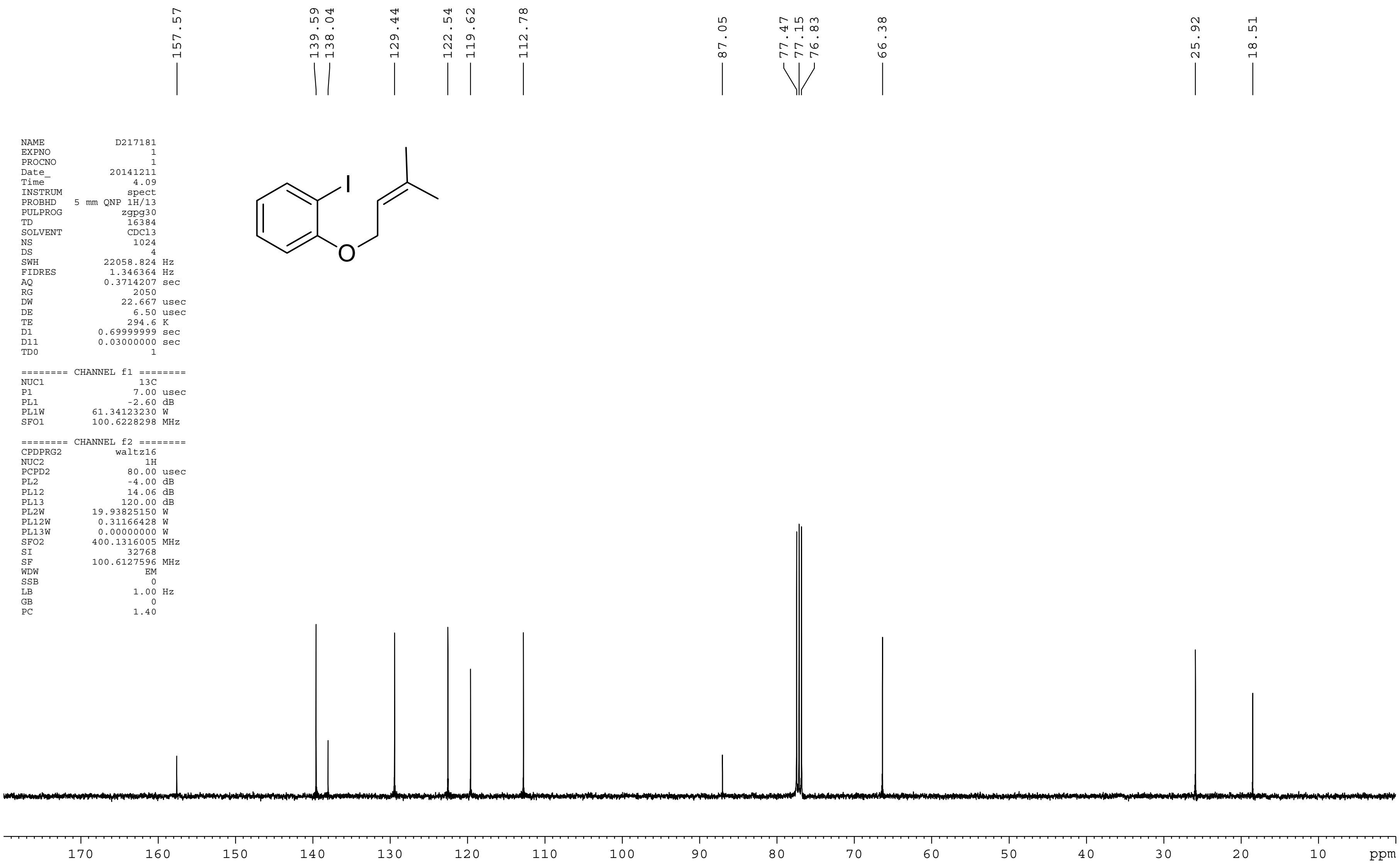


Figure S11. ^{13}C spectrum—compound **23**.

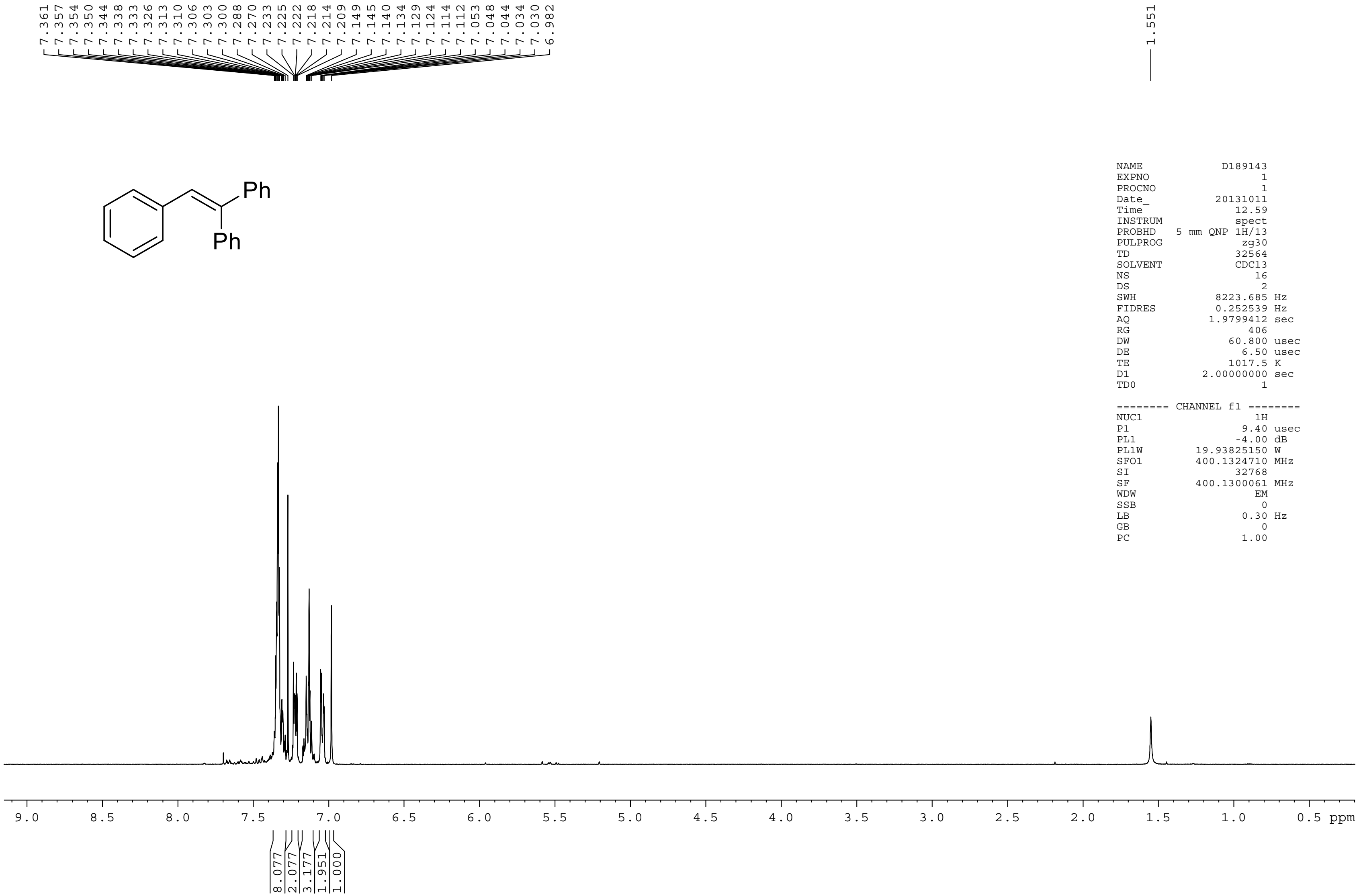


Figure S12. ^{1}H spectrum—compound **6a**.

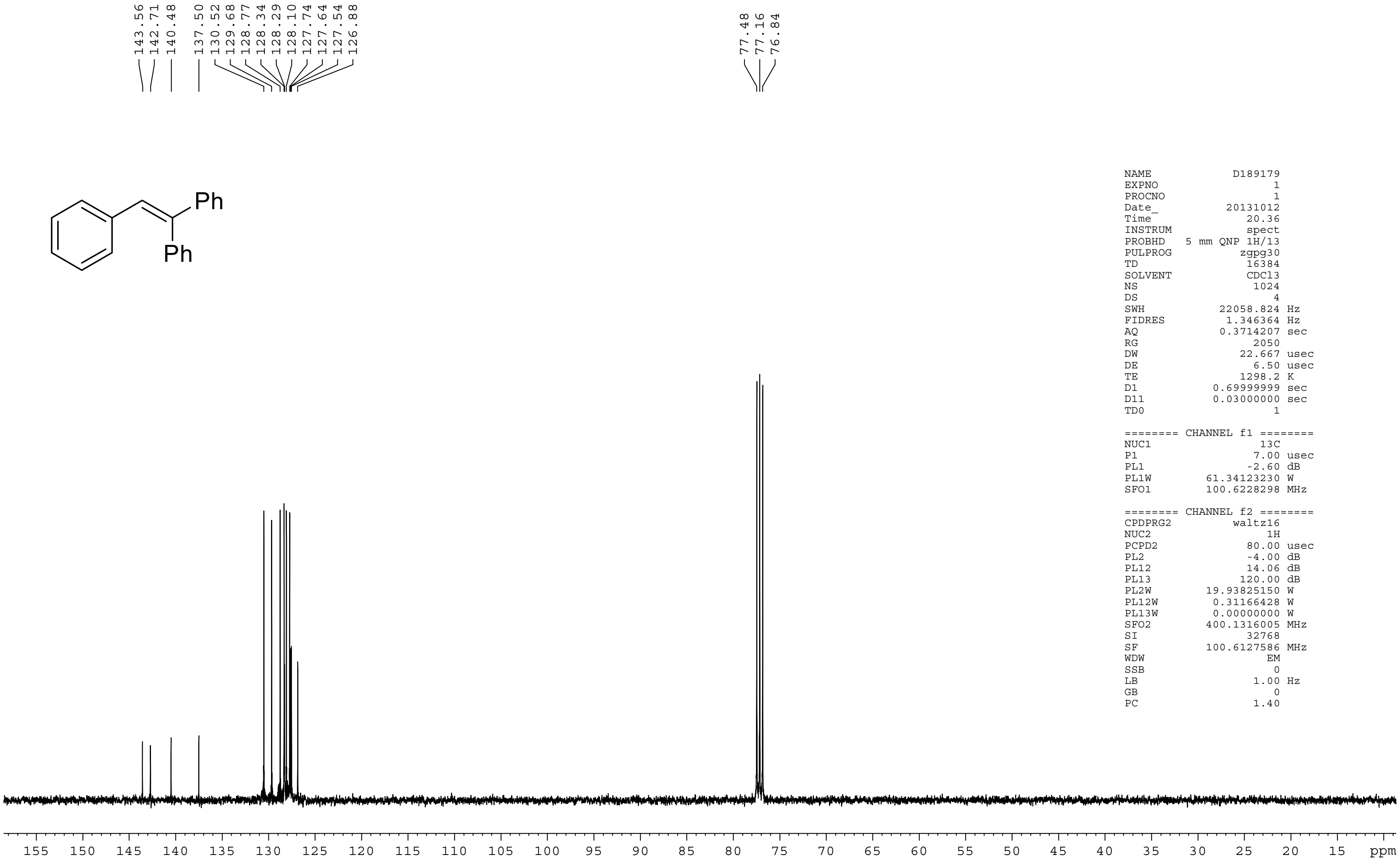


Figure S13. ^{13}C spectrum—compound **6a**.

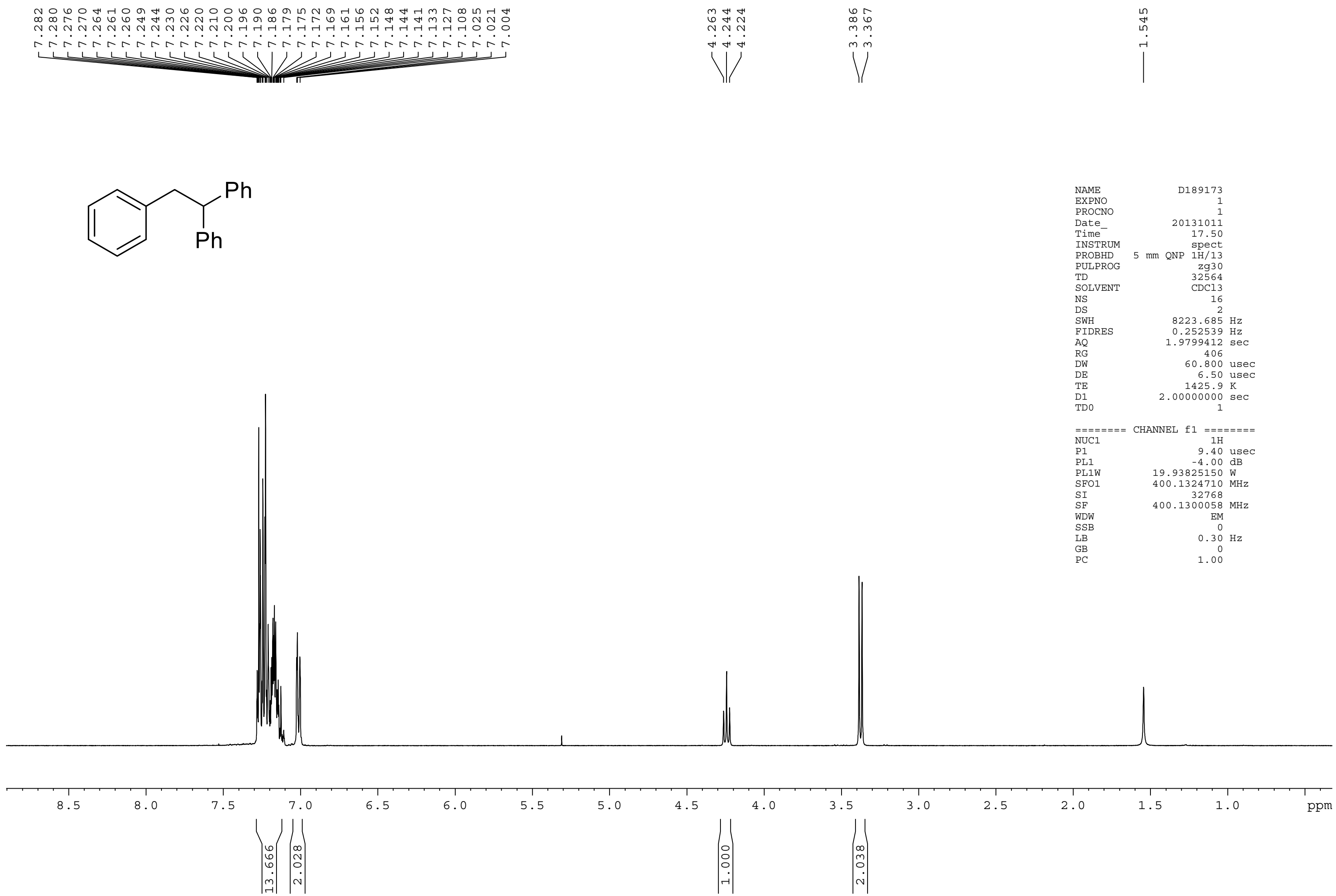


Figure S14. ^{1}H spectrum—compound **15a**.

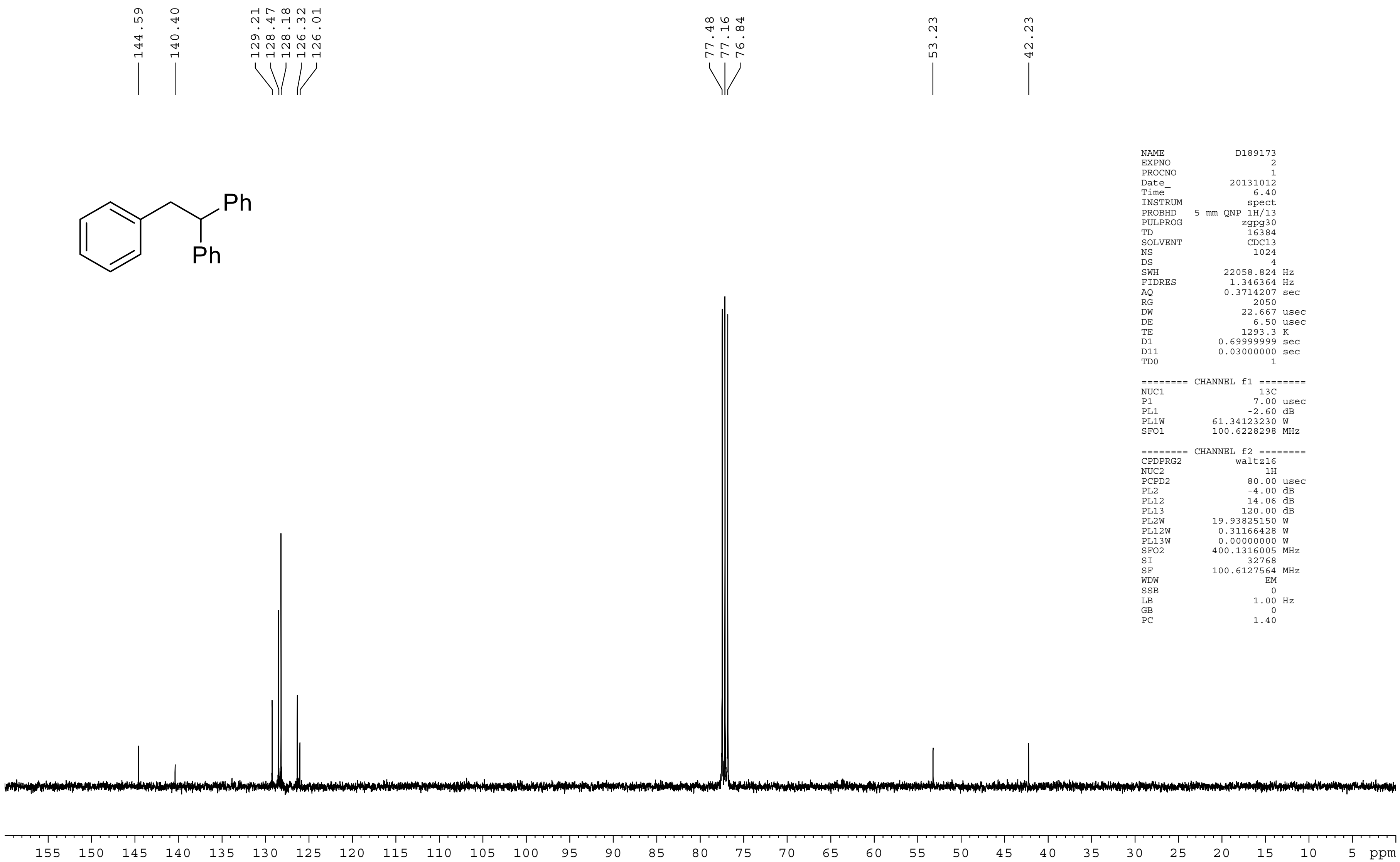


Figure S15. ^{13}C spectrum—compound **15a**.

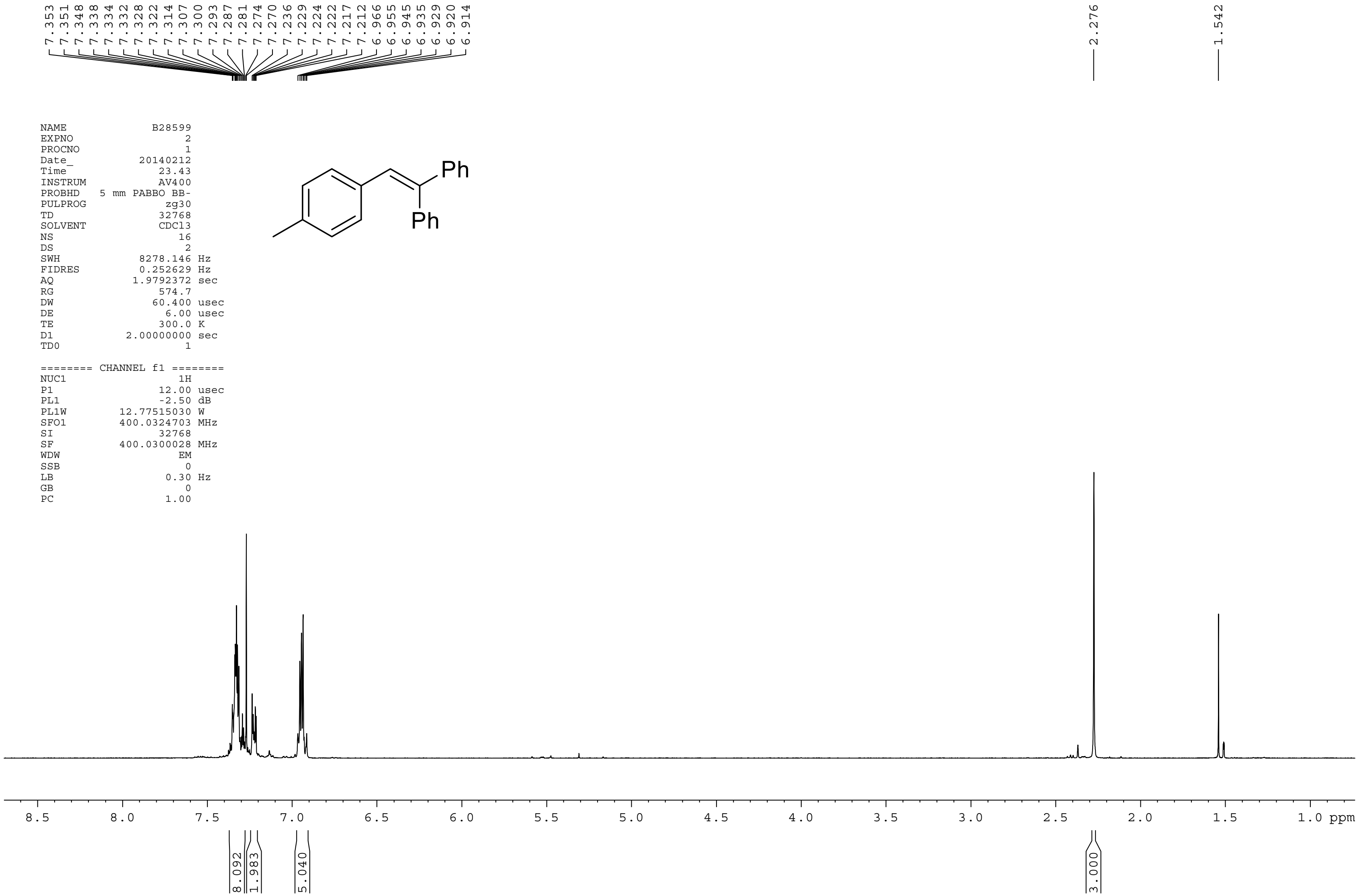


Figure S16. ^{1}H spectrum—compound **6b**.

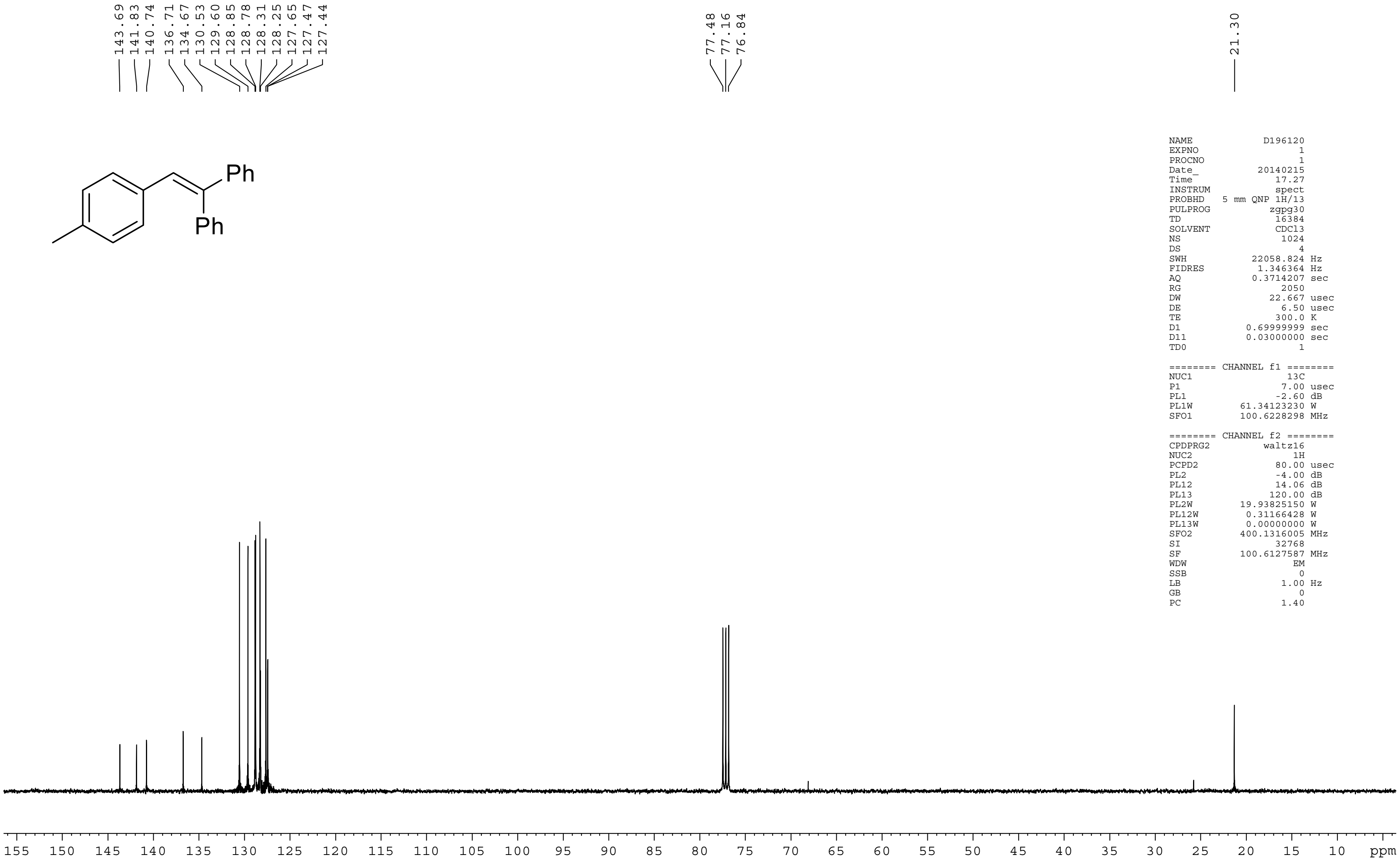


Figure S17. ^{13}C spectrum—compound **6b**.

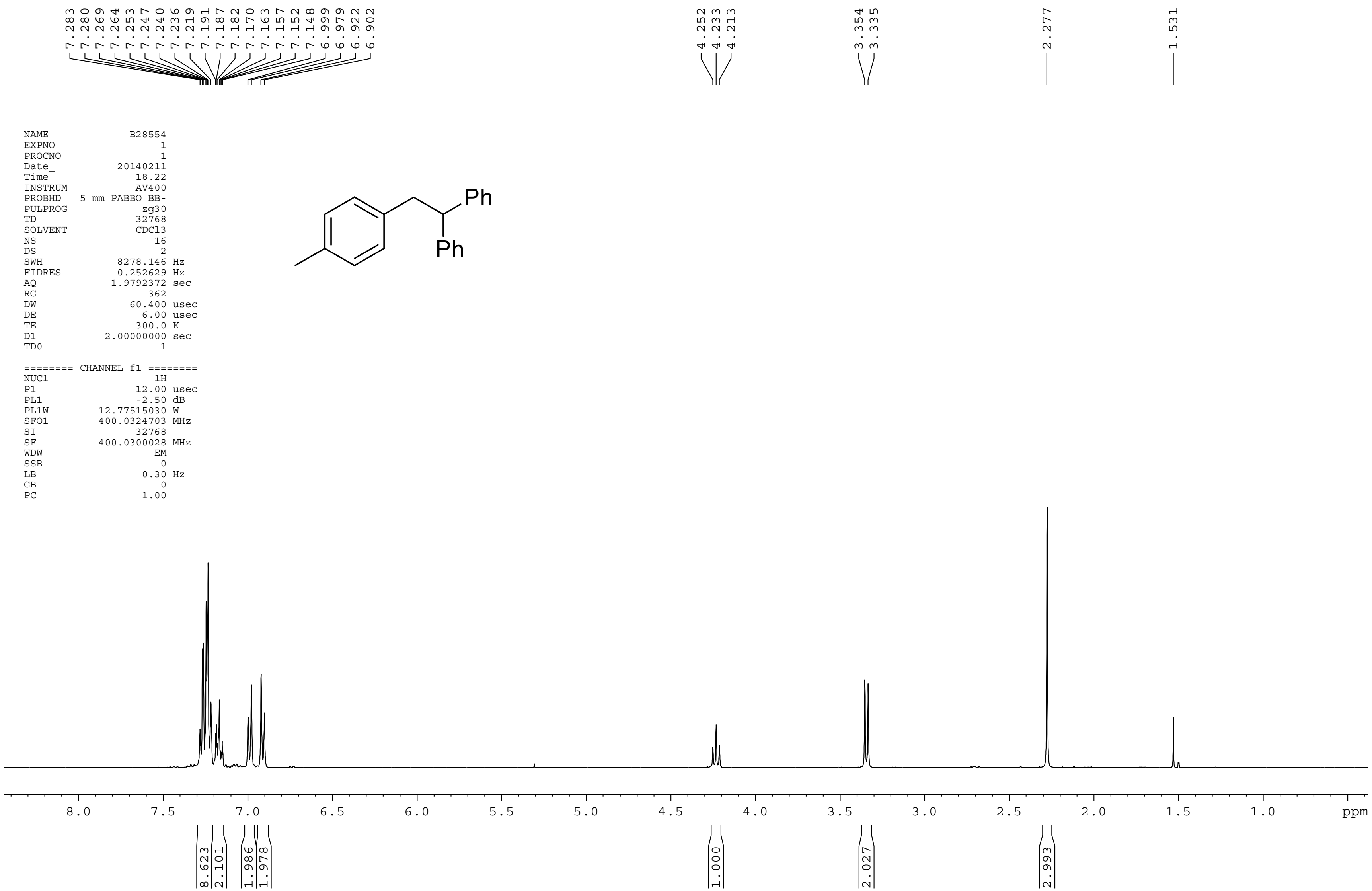


Figure S18. ^{1}H spectrum—compound **15b**.

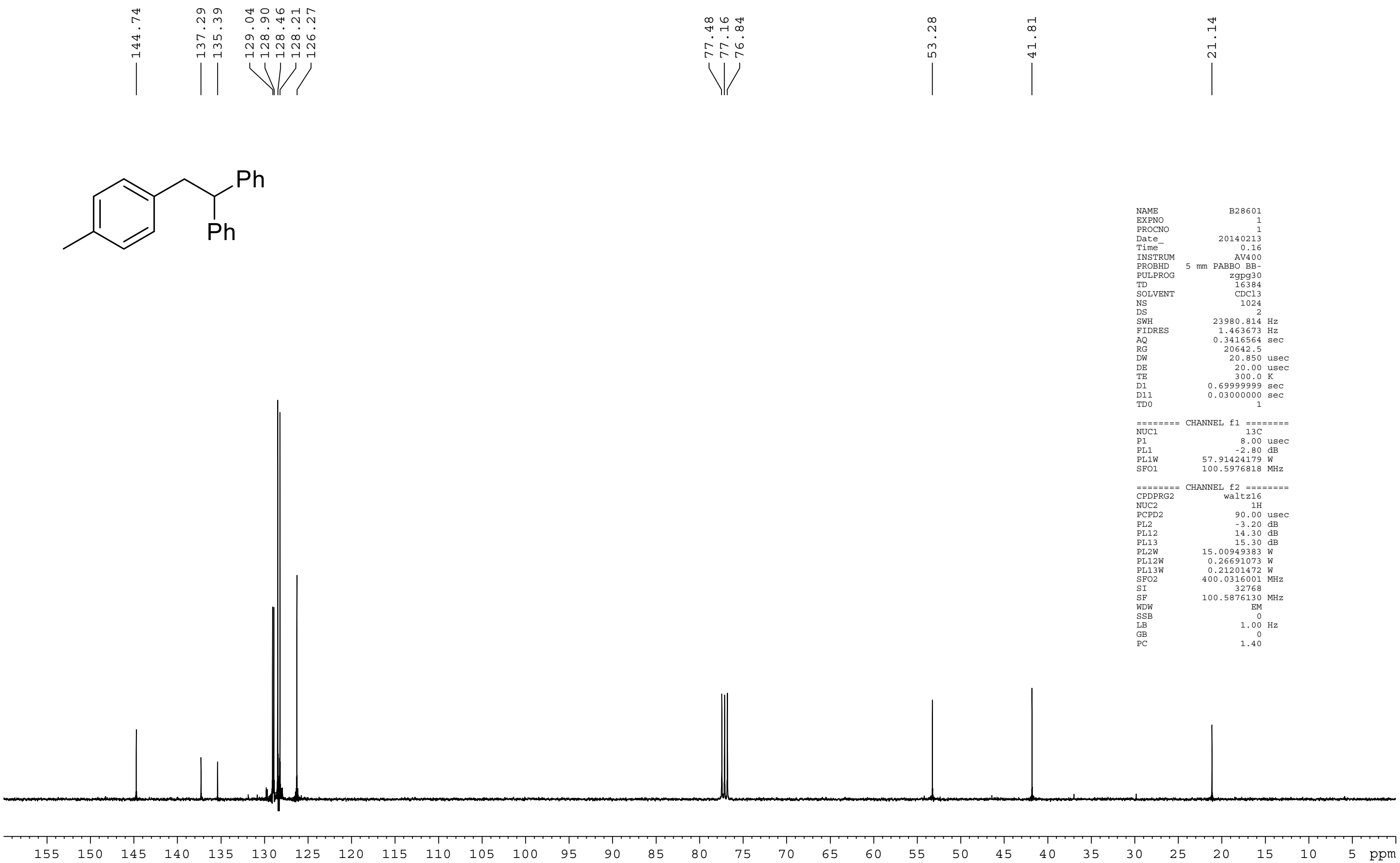


Figure S19. ^{13}C spectrum—compound **15b**.

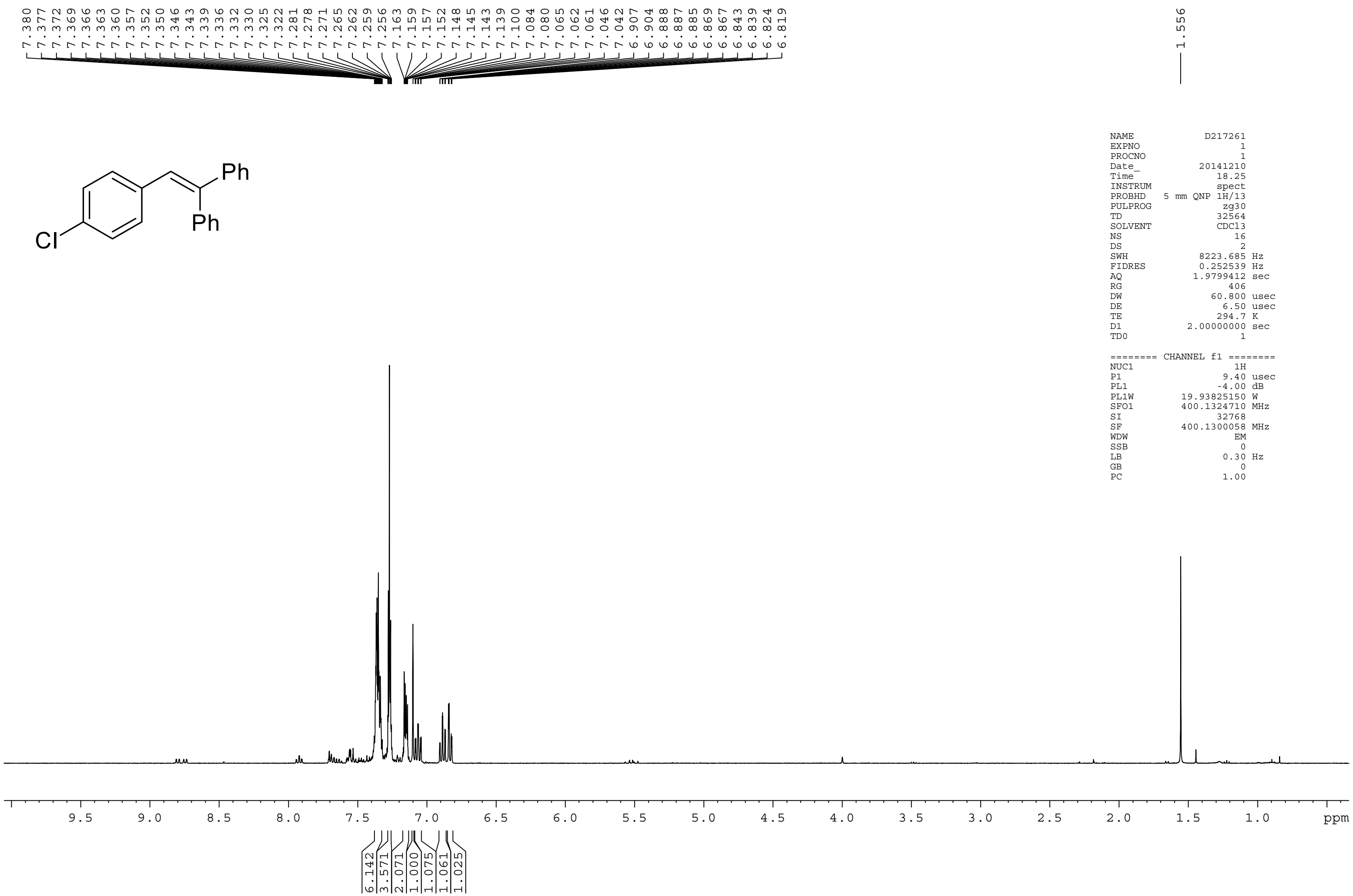


Figure S20. ^{1}H spectrum—compound **6e**.

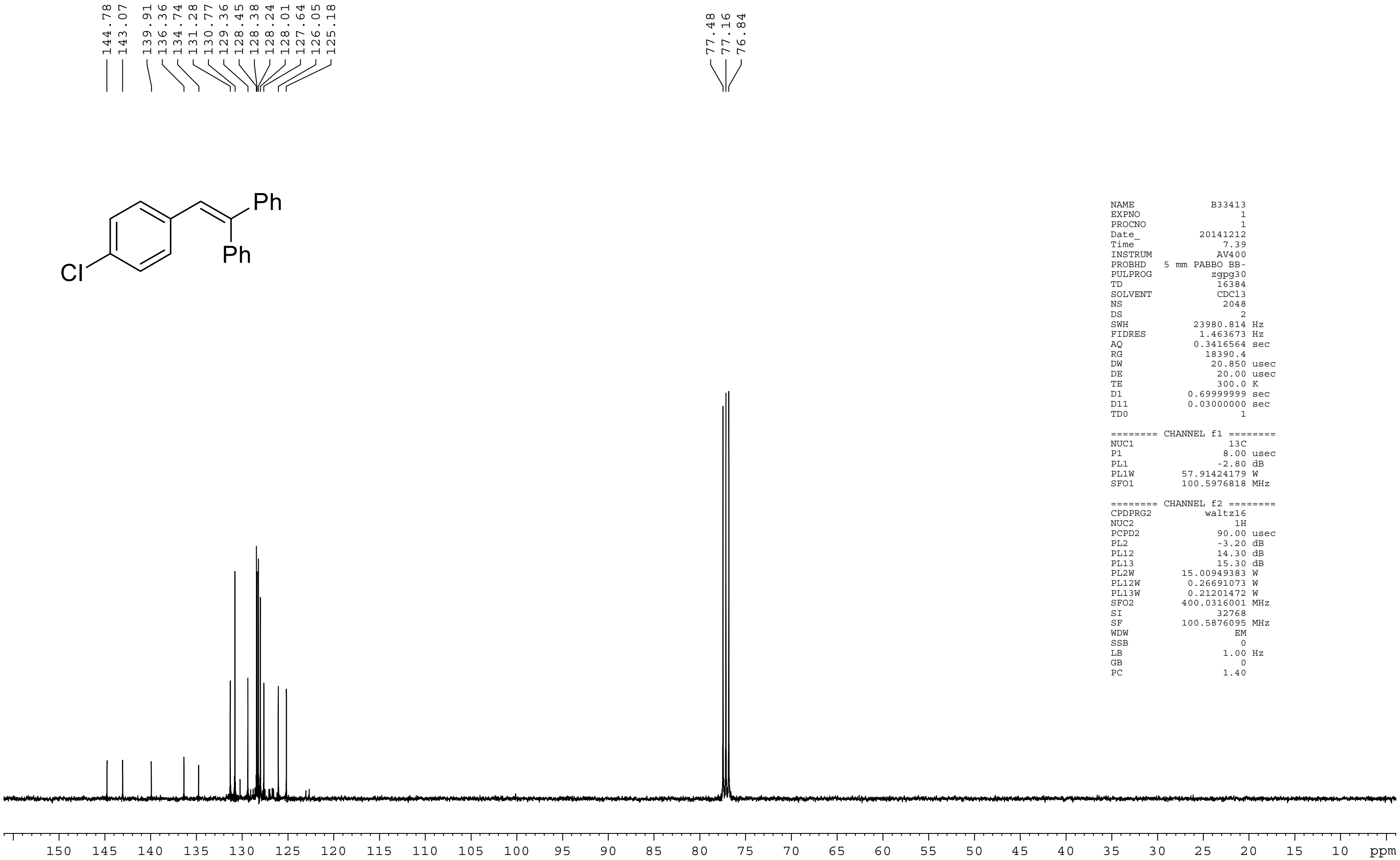


Figure S21. ^{13}C spectrum—compound **6e**.

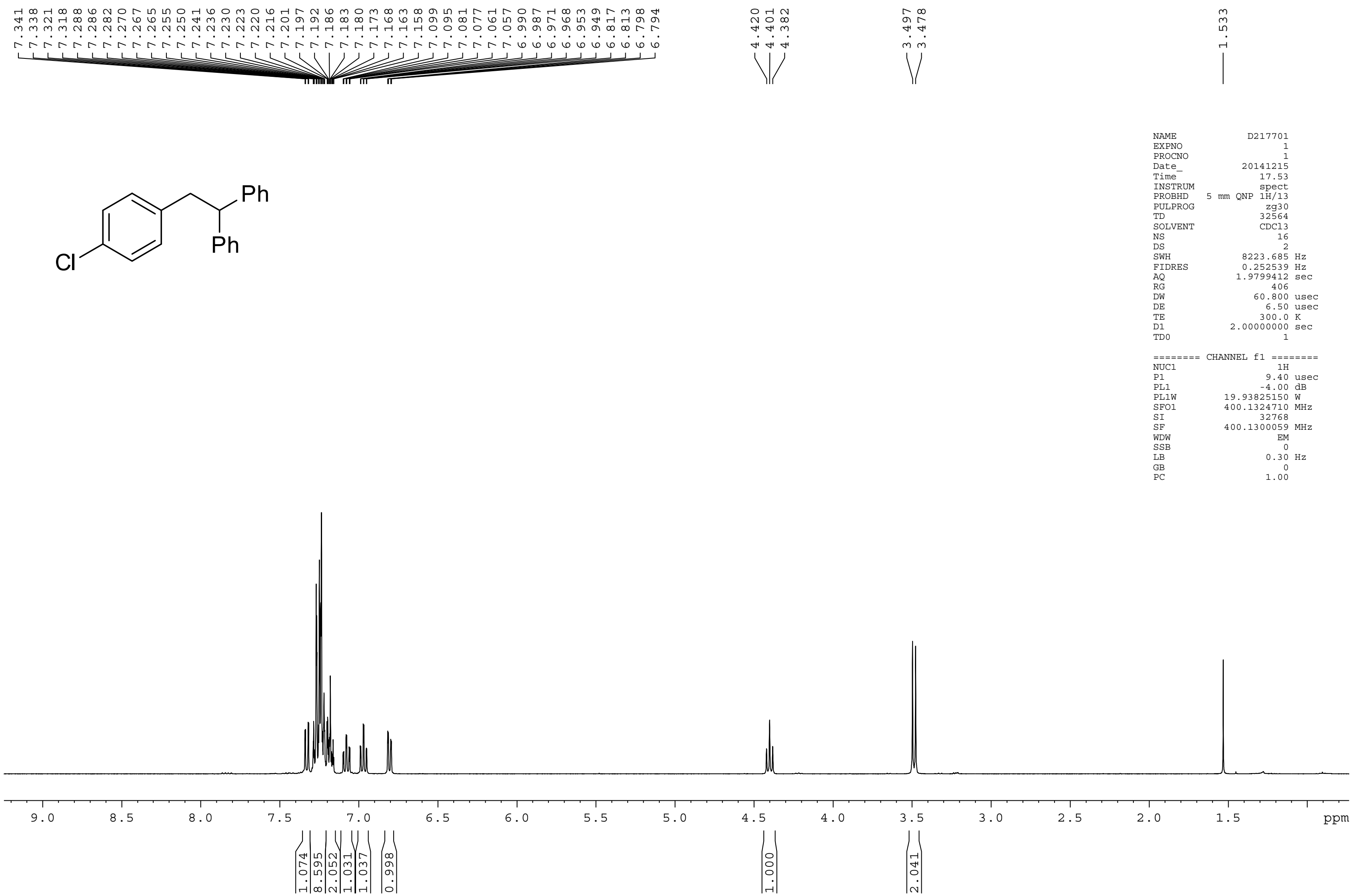


Figure S22. ^{1}H spectrum—compound **15e**.

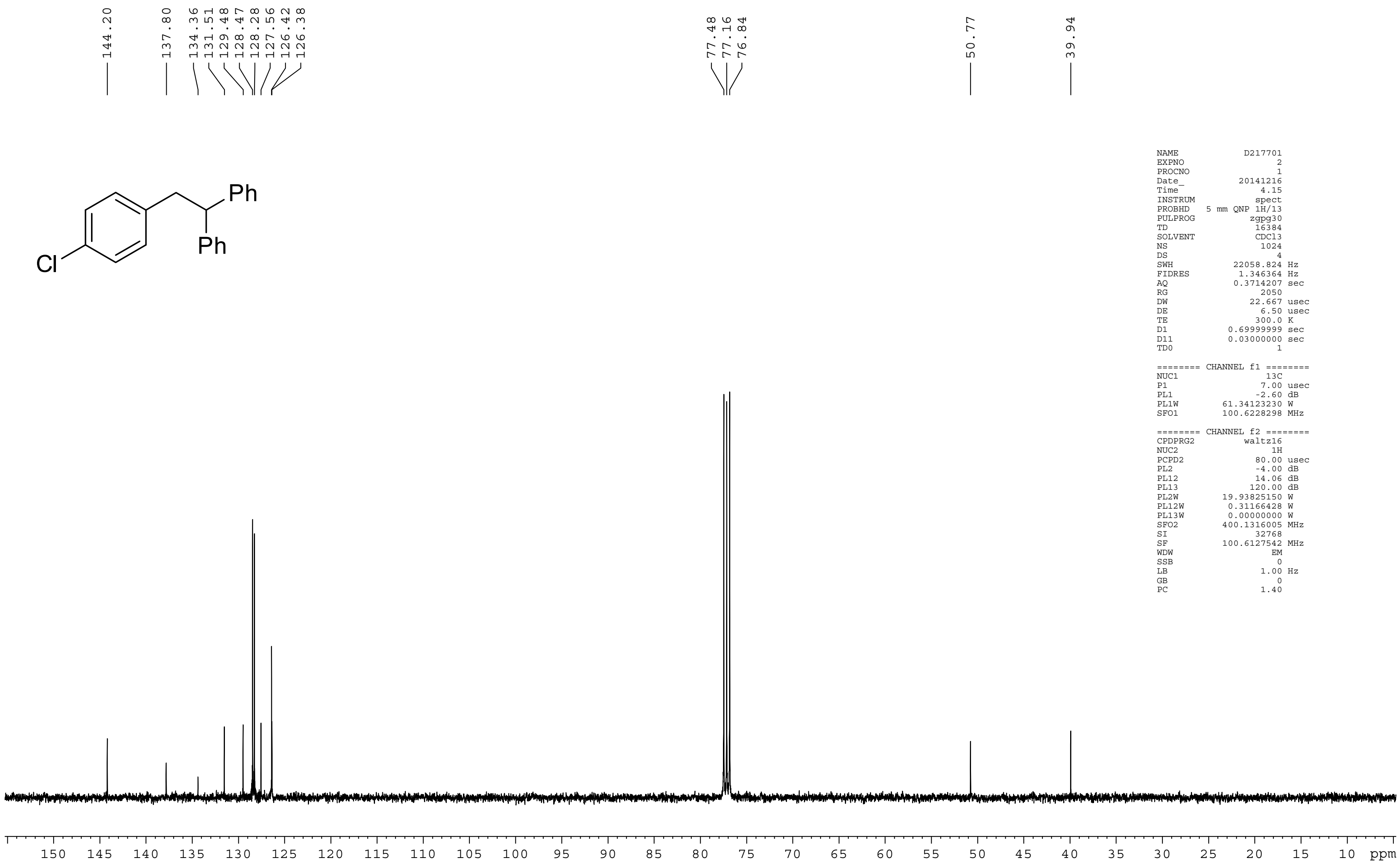


Figure S23. ^{13}C spectrum—compound **15e**.

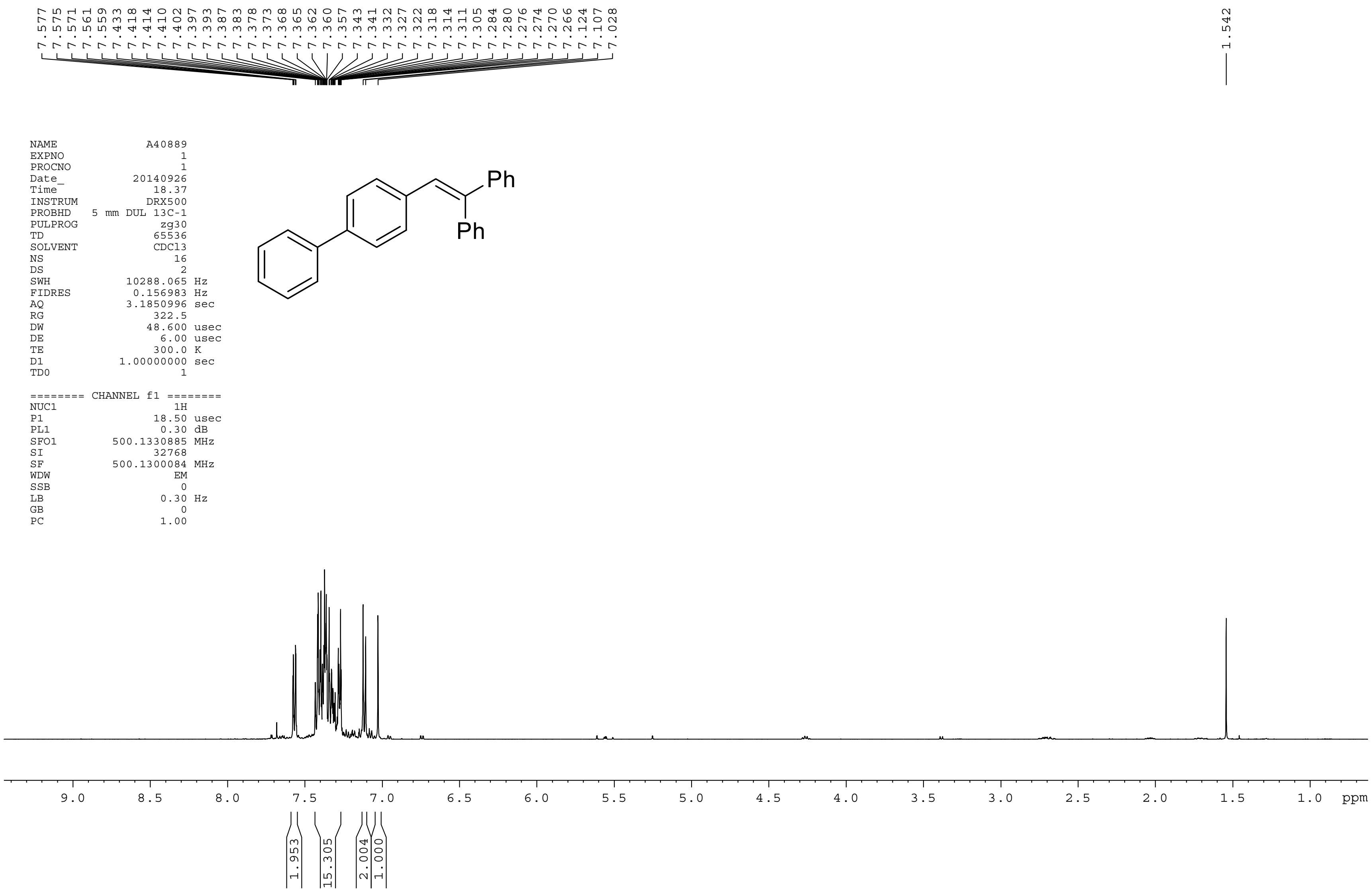


Figure S24. ^{1}H spectrum—compound **6f**.

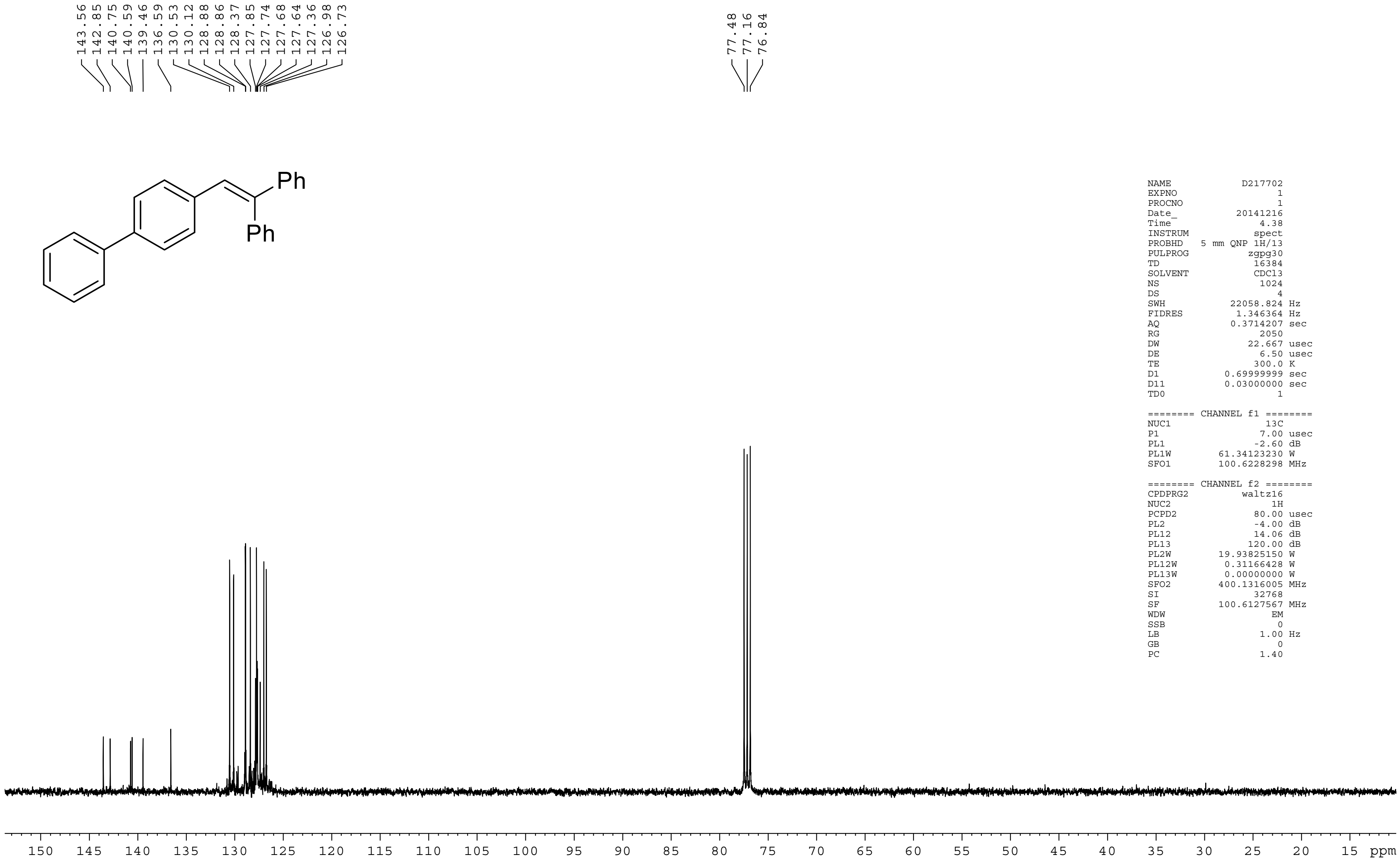


Figure S25. ^{13}C spectrum—compound **6f**.

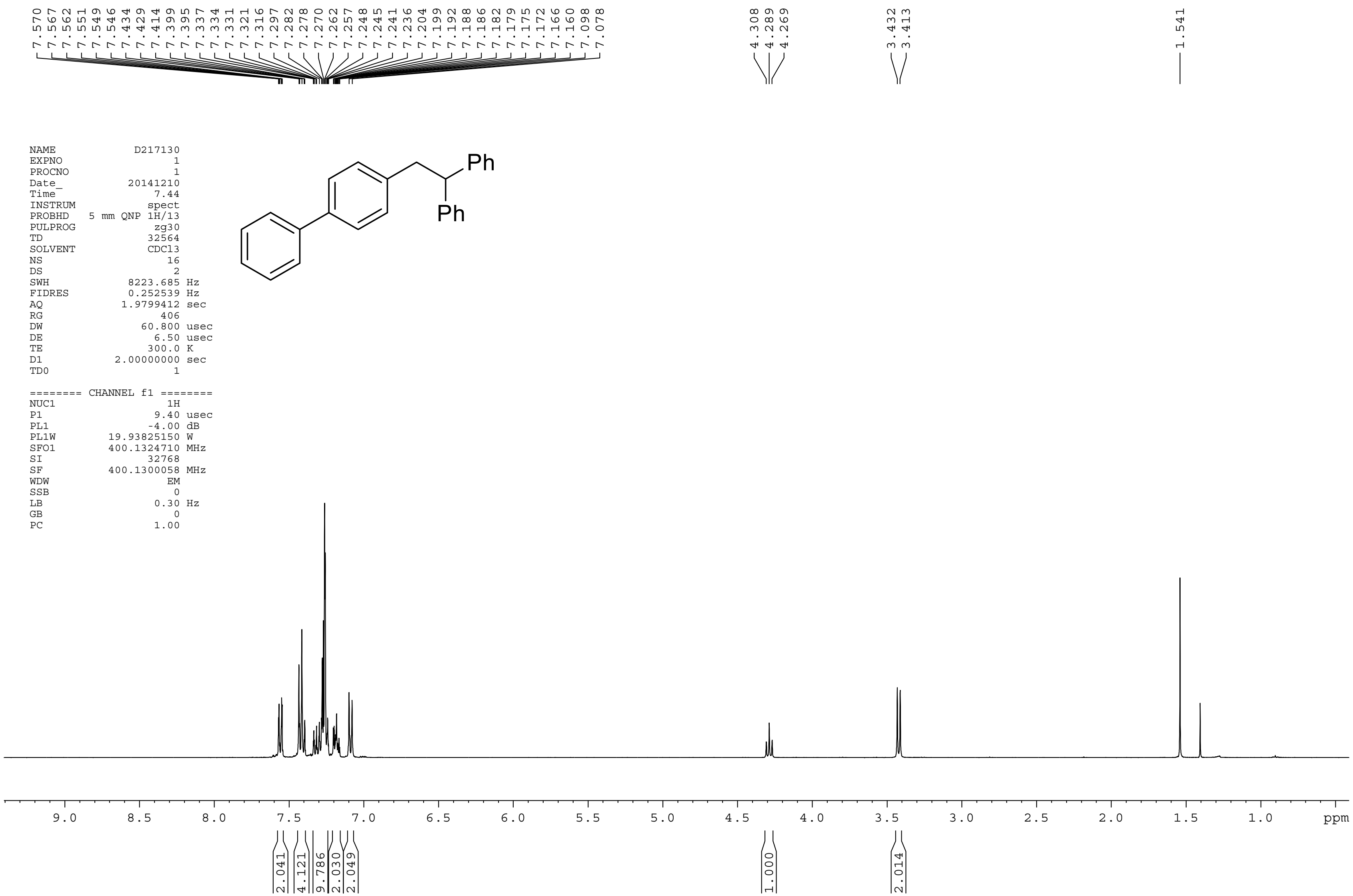


Figure S26. ^{1}H spectrum—compound **15f**.

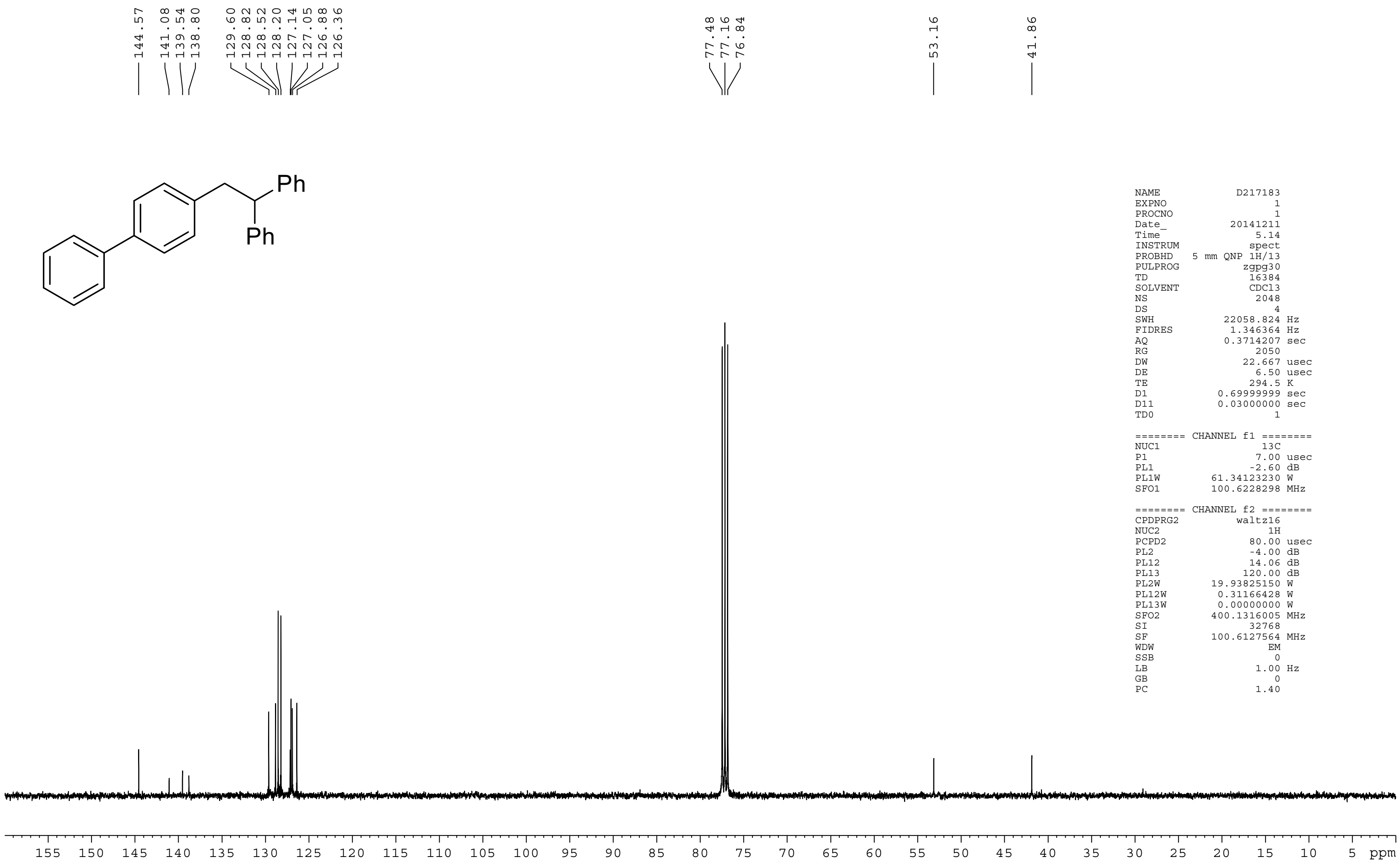


Figure S27. ^{13}C spectrum—compound **15f**.

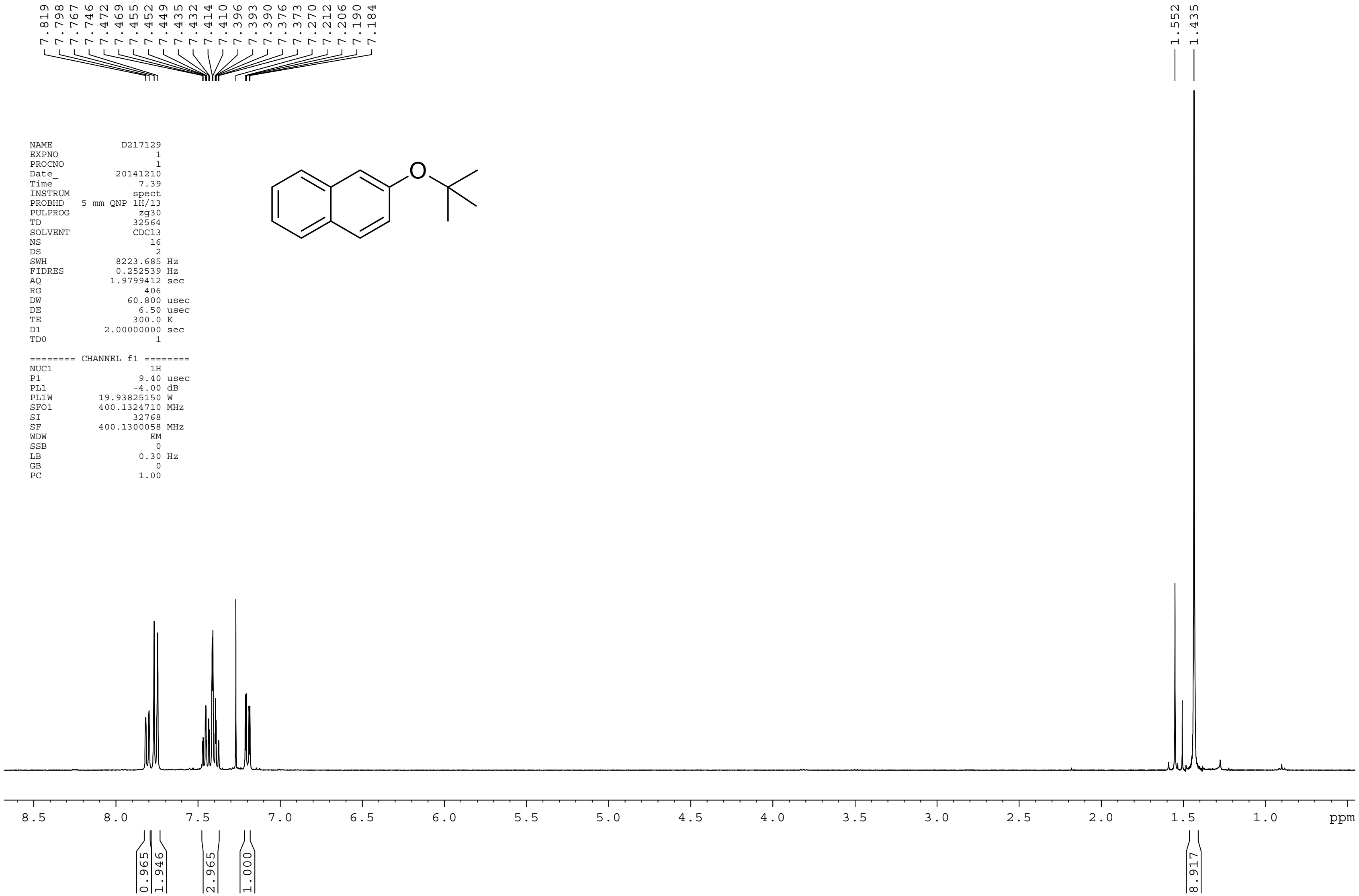


Figure S28. ^{1}H spectrum—compound **17**.

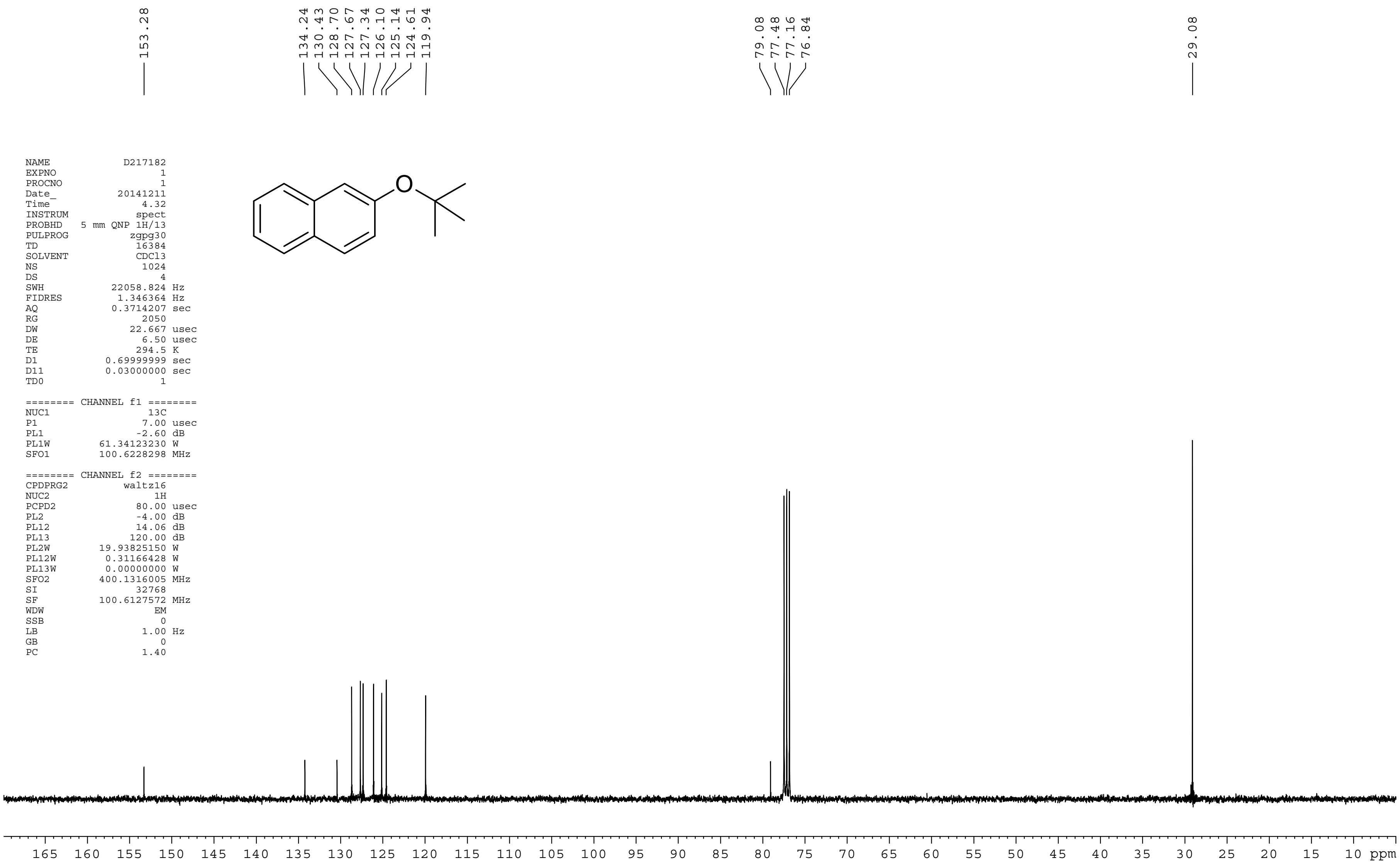


Figure S29. ^{13}C spectrum—compound **17**.

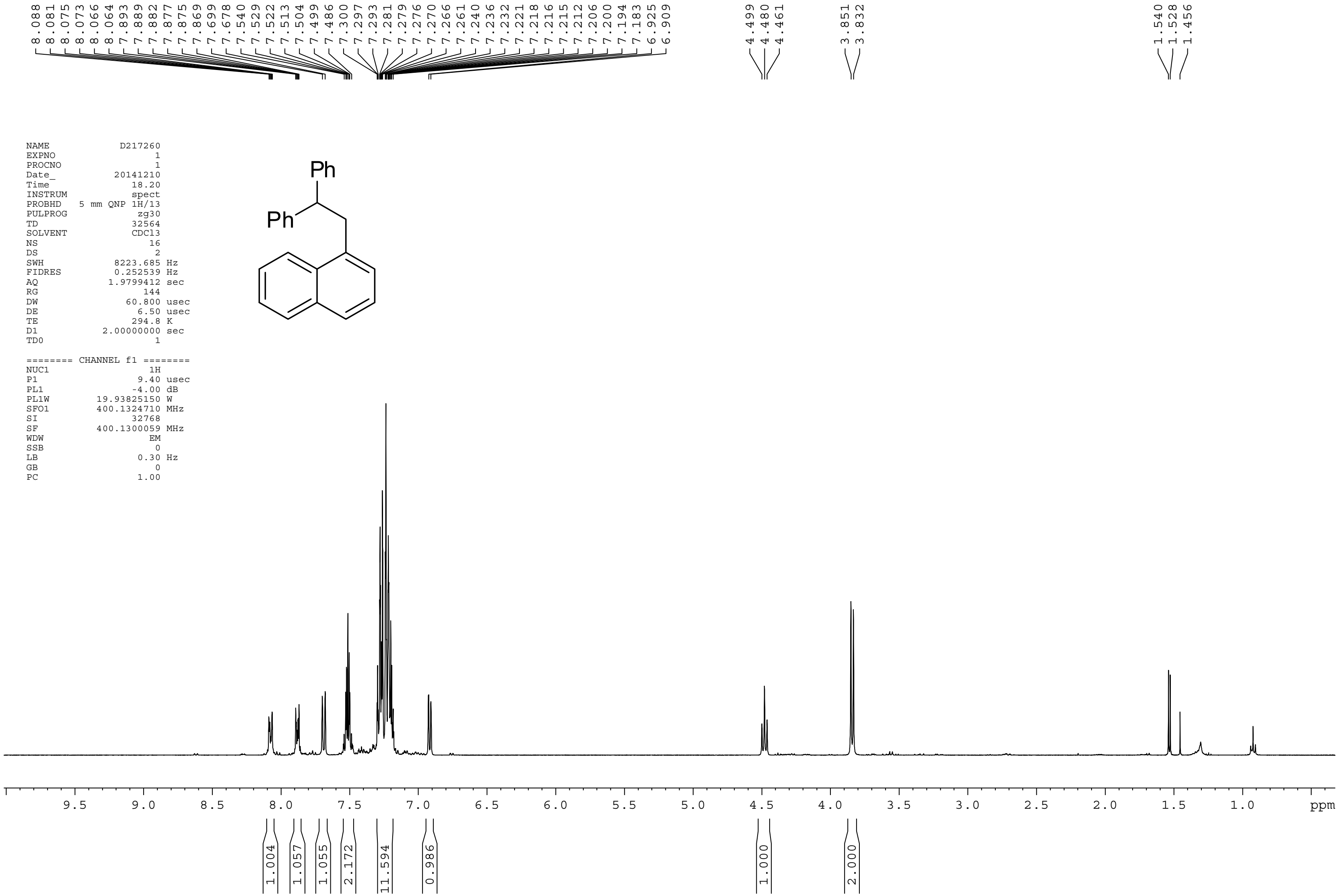


Figure S30. ^{1}H spectrum—compound **15g**.

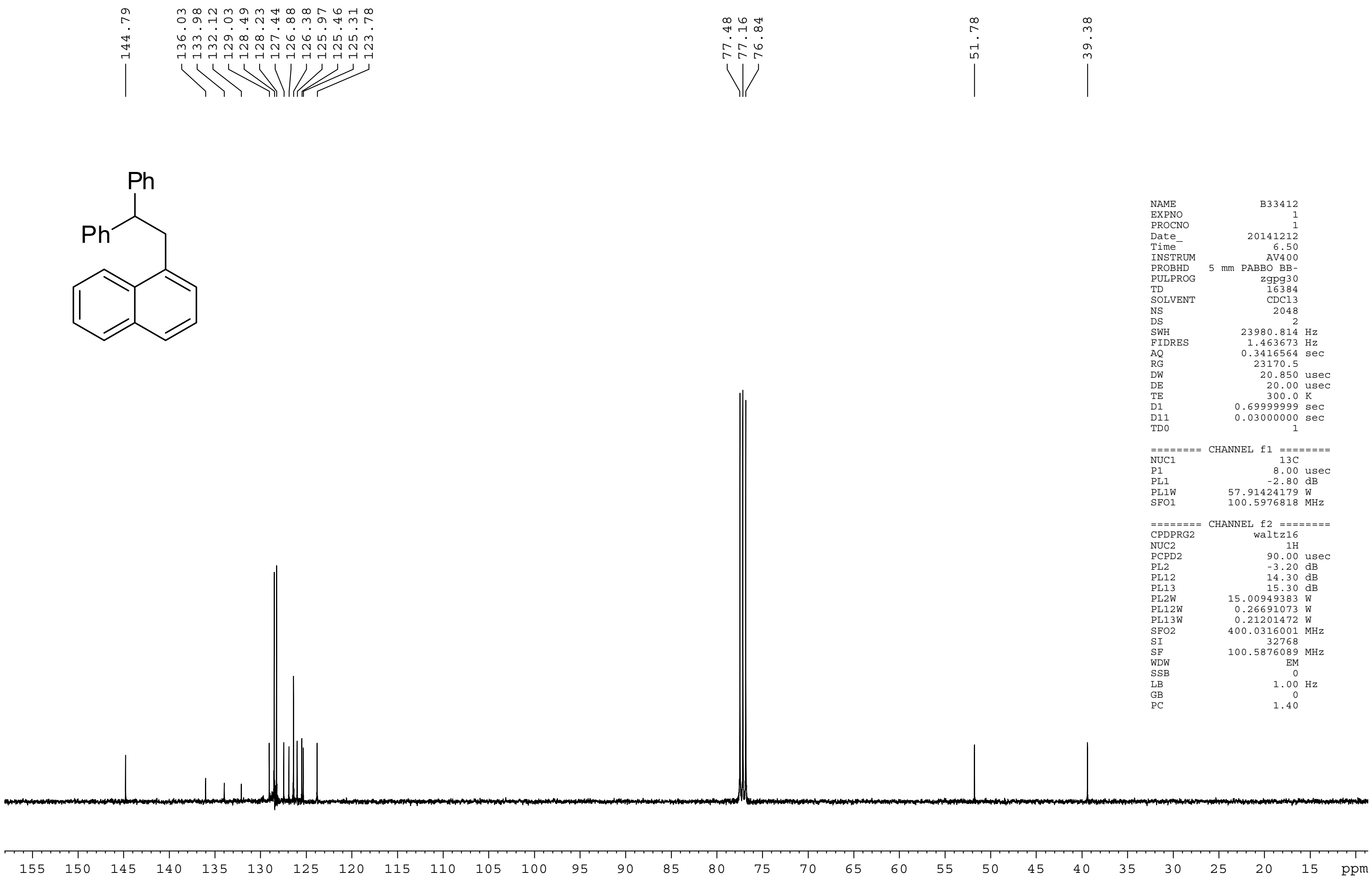


Figure S31. ^{13}C spectrum—compound **15g**.

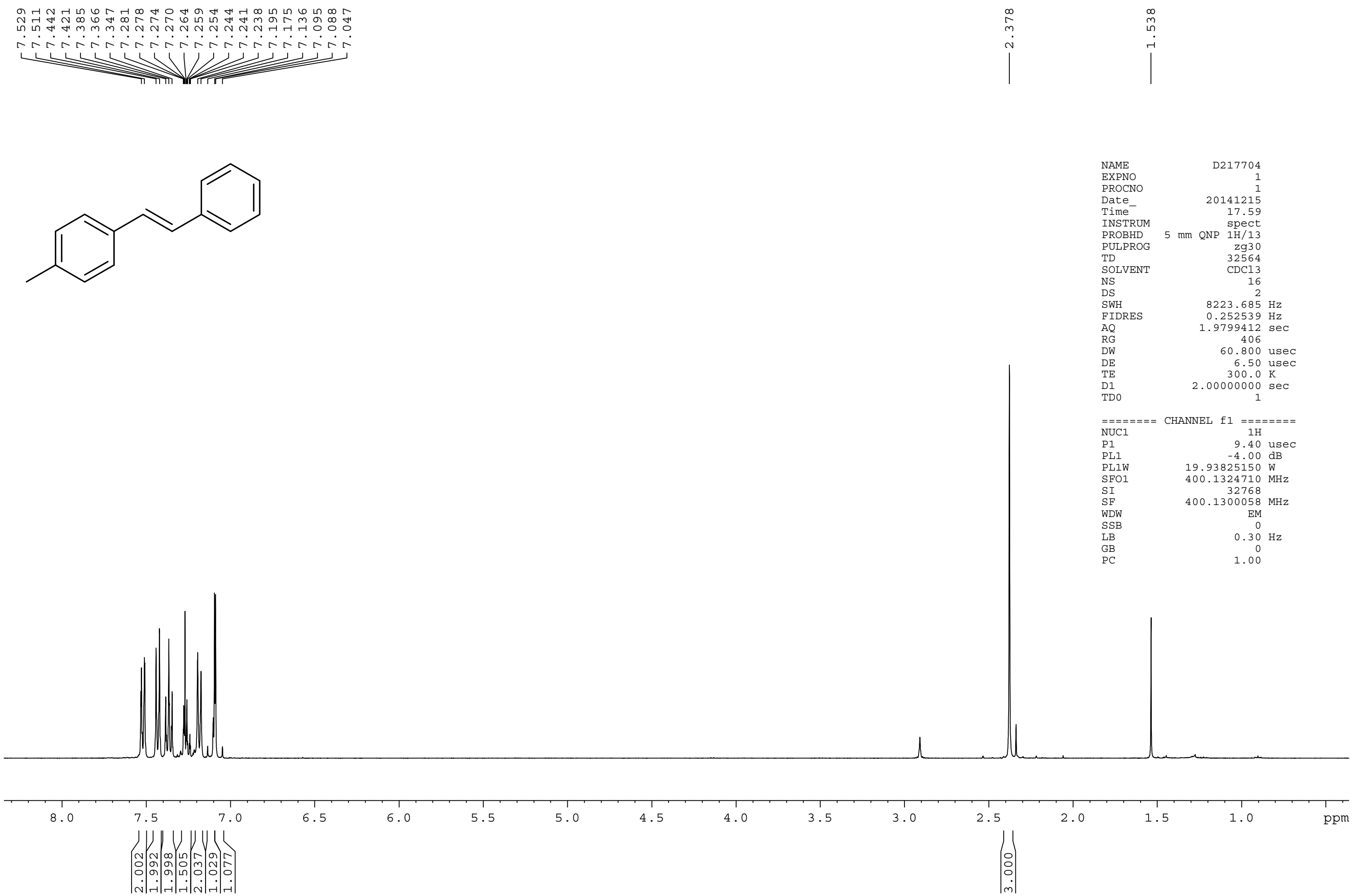


Figure S32. [1]H spectrum—compound **18b**.

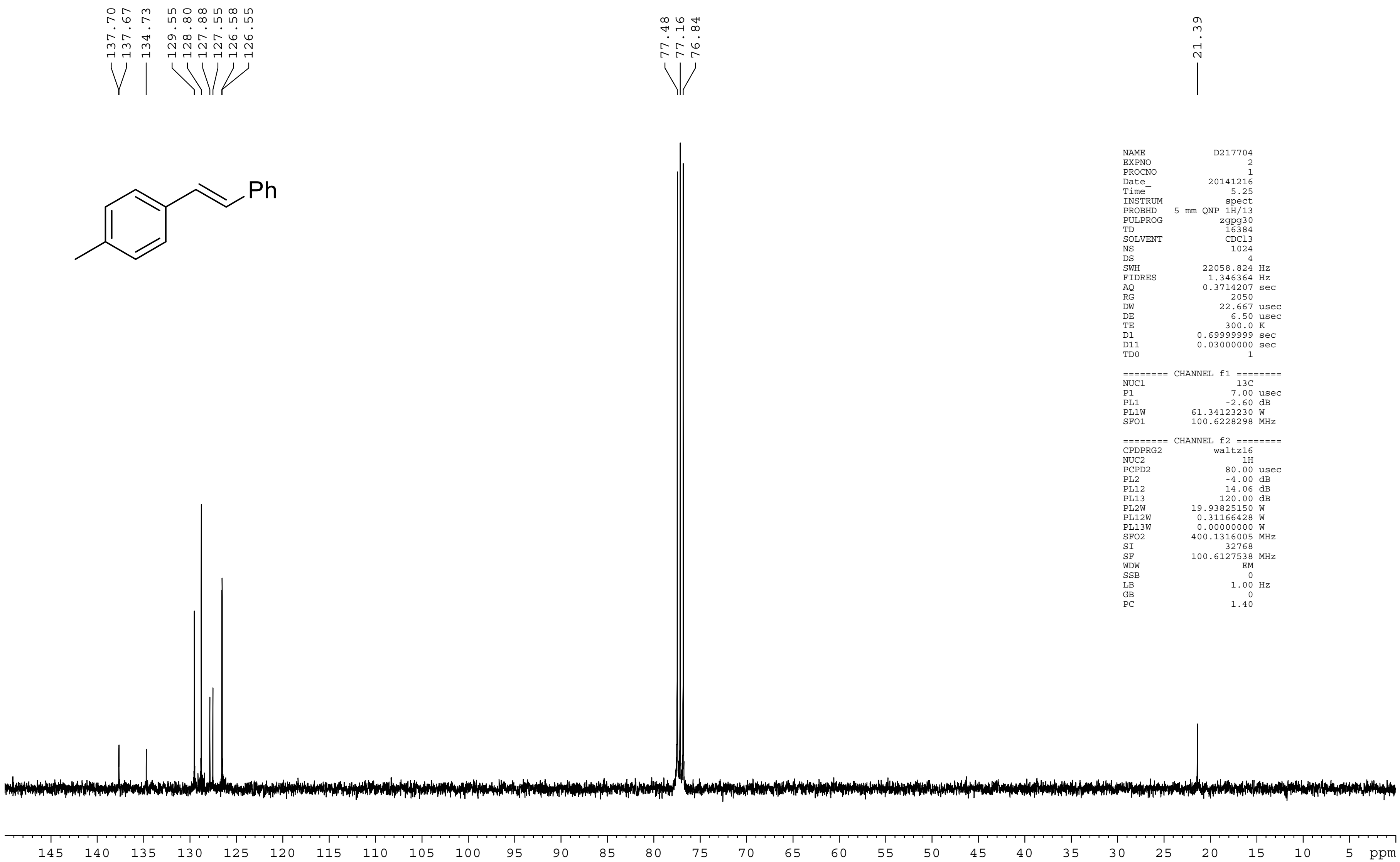


Figure S33. ^{13}C spectrum—compound **18b**.

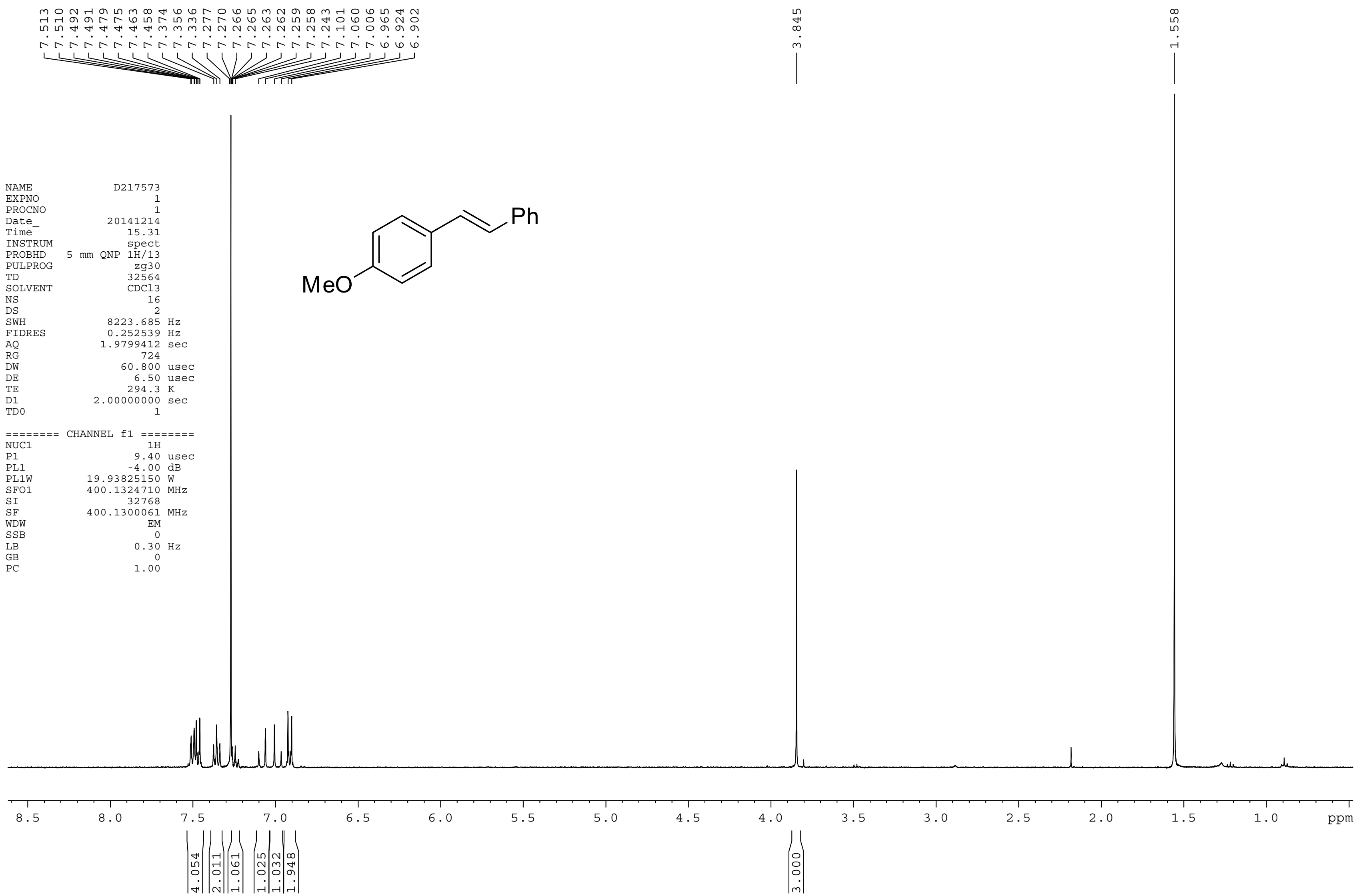


Figure S34. ^{1}H spectrum—compound **18c**.

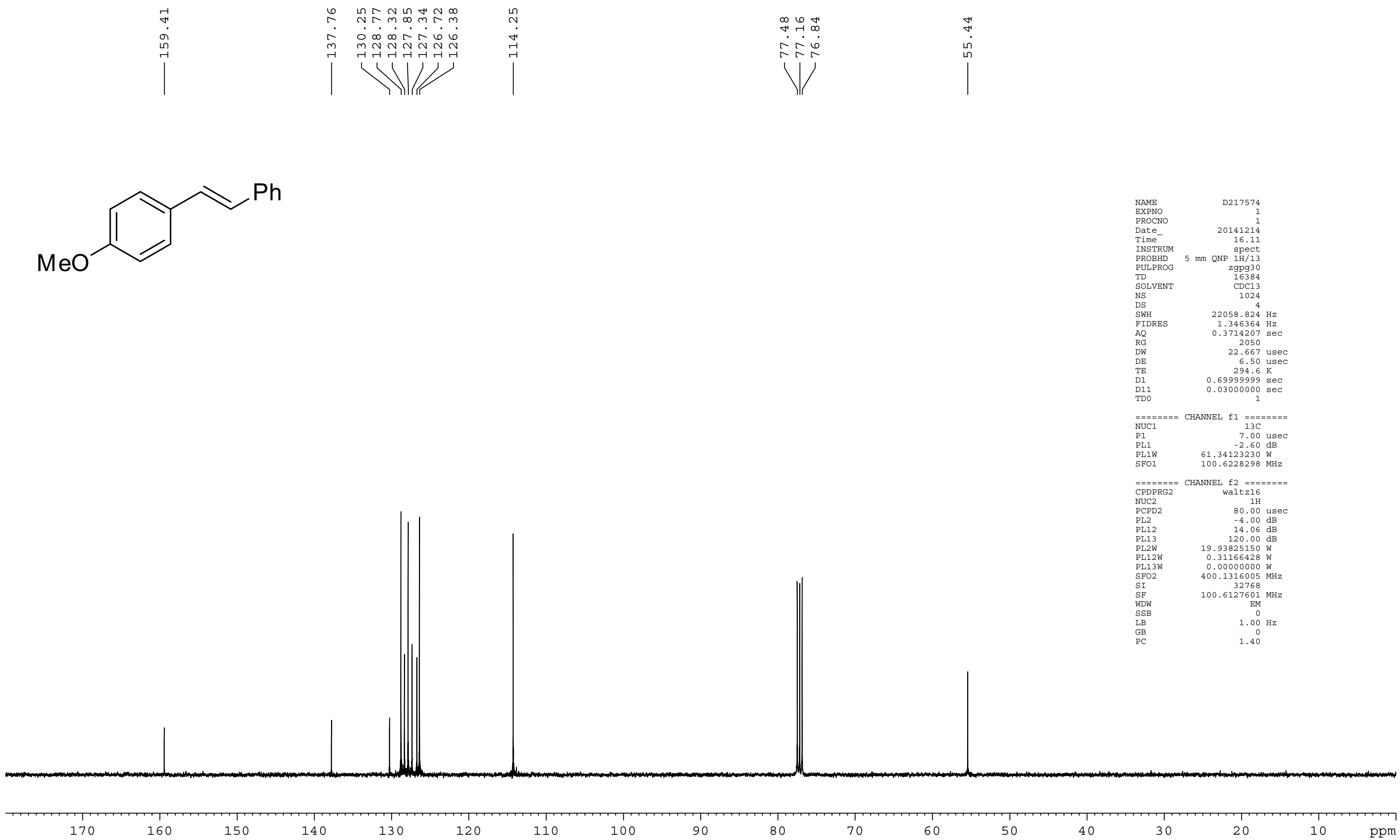


Figure S35. ^{13}C spectrum—compound **18c**.

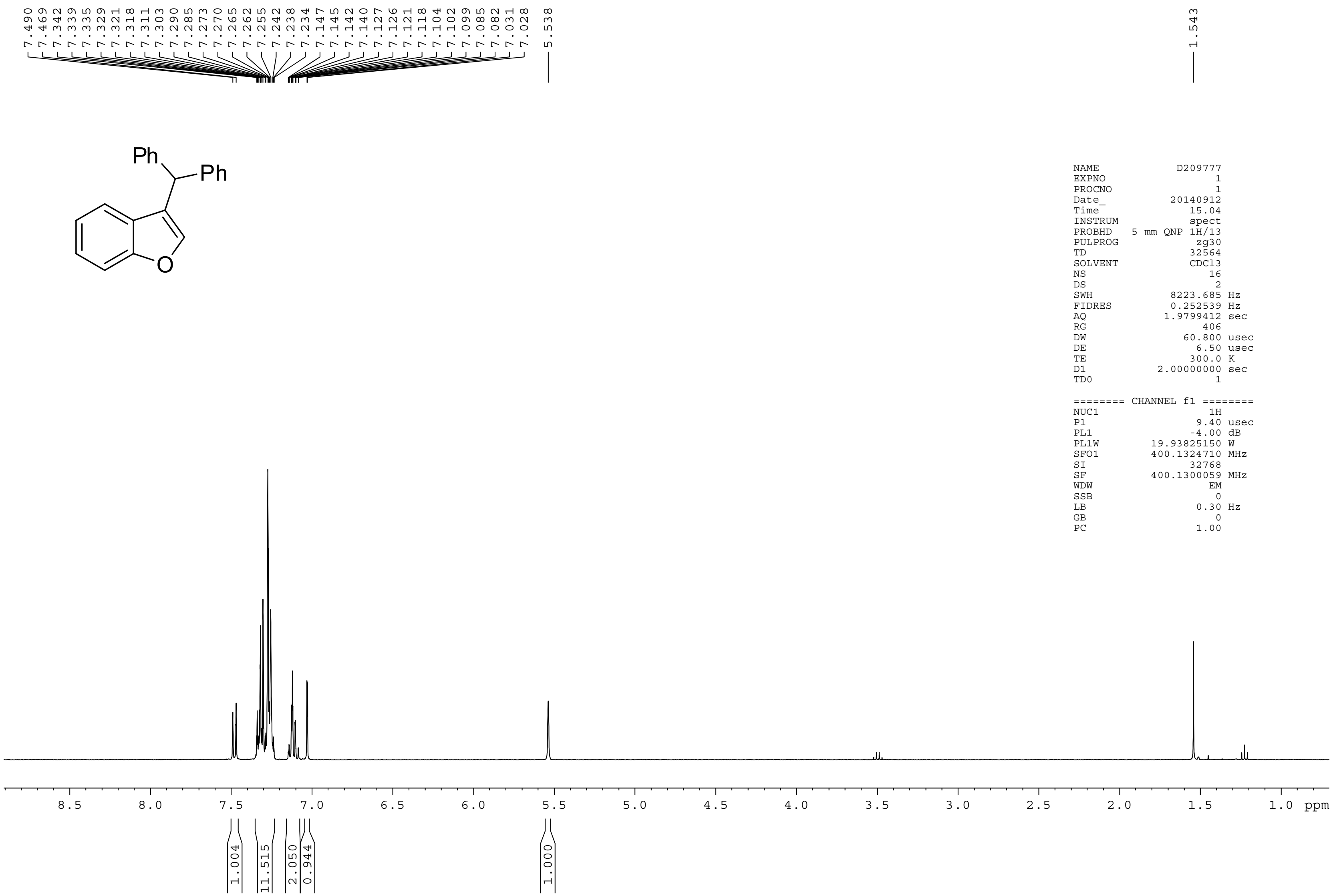


Figure S36. ^{1}H spectrum—compound **20**.

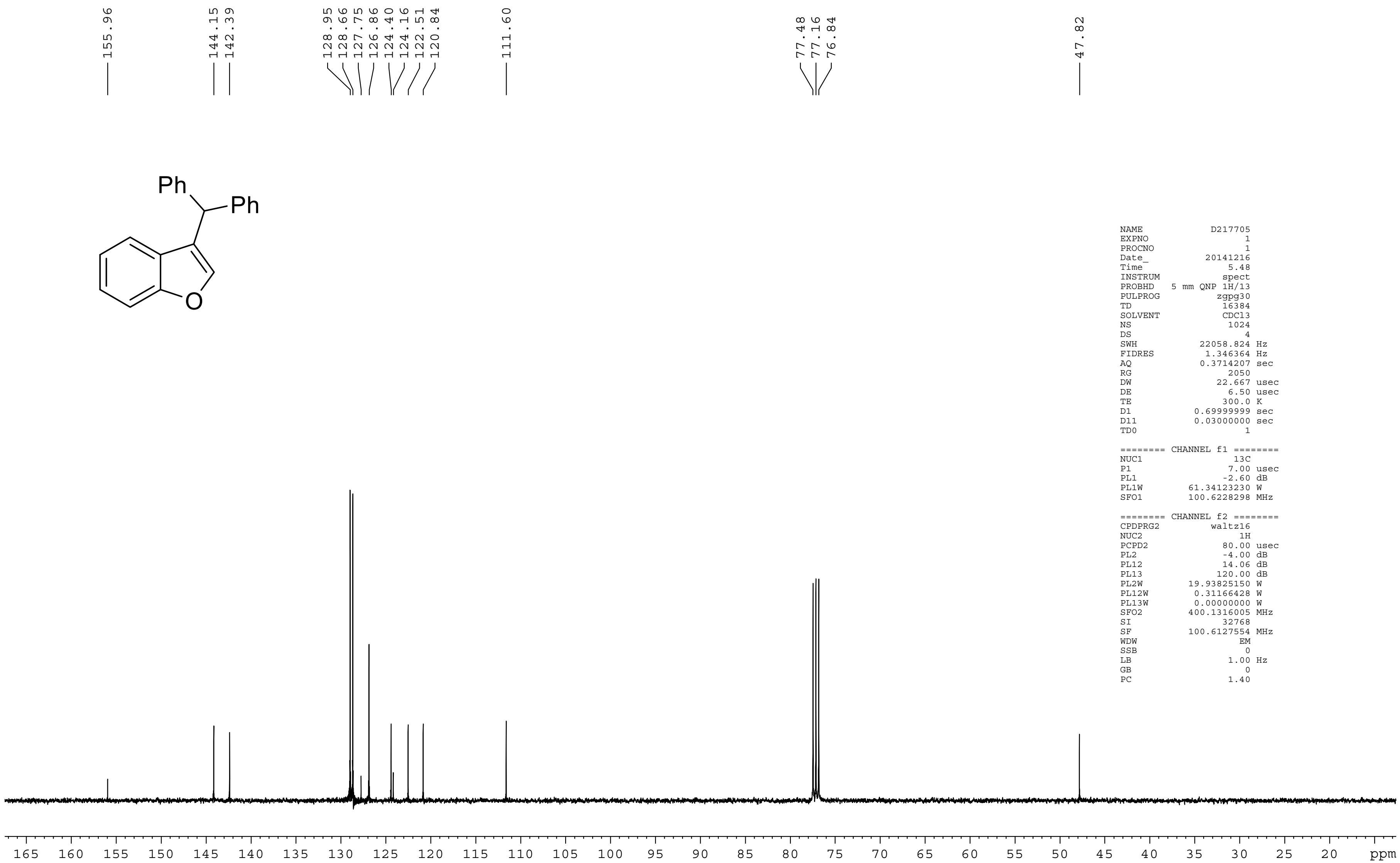


Figure S37. ^{13}C spectrum—compound **20**.

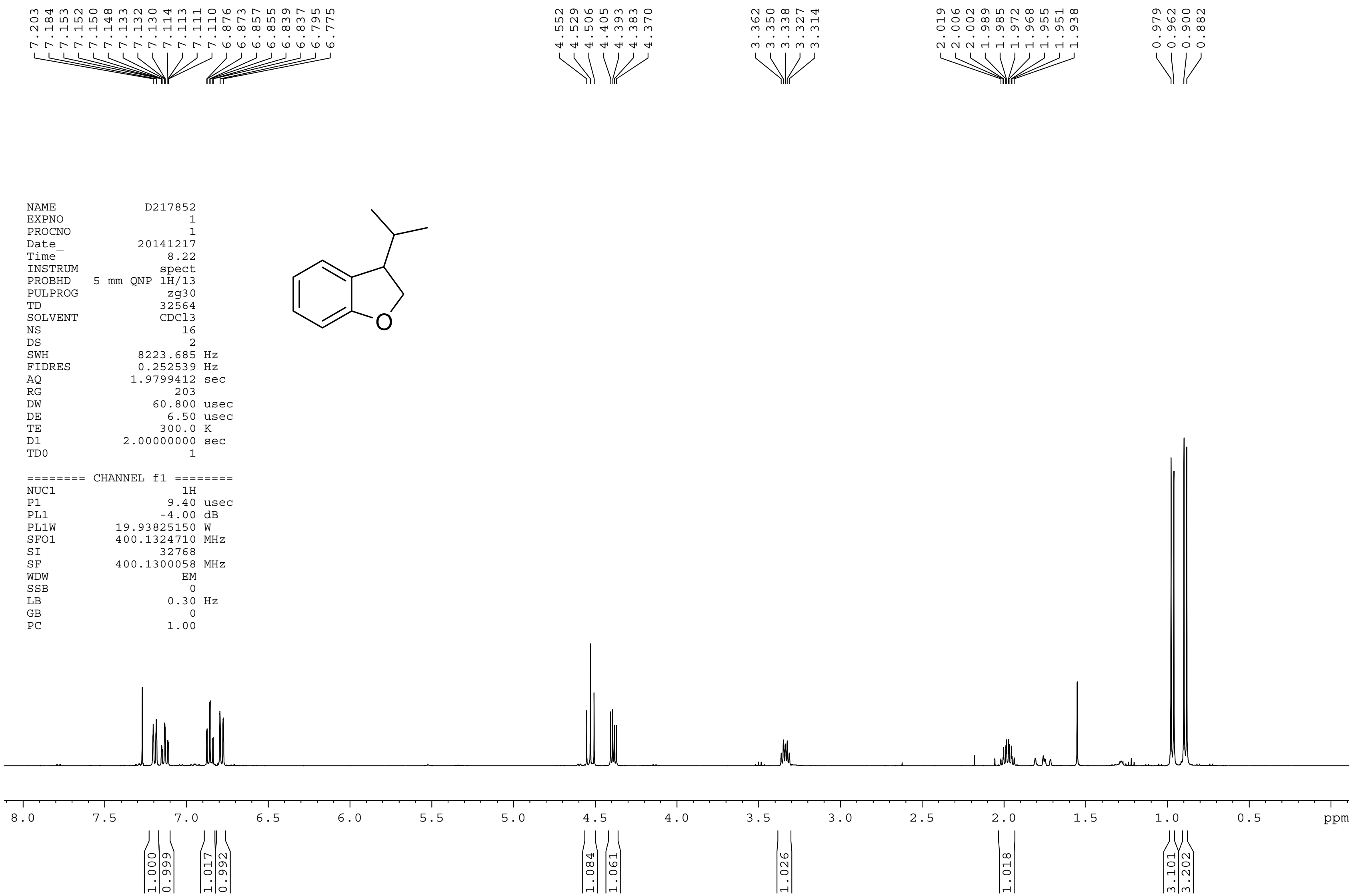


Figure S38. ^{1}H spectrum—compound **22**.

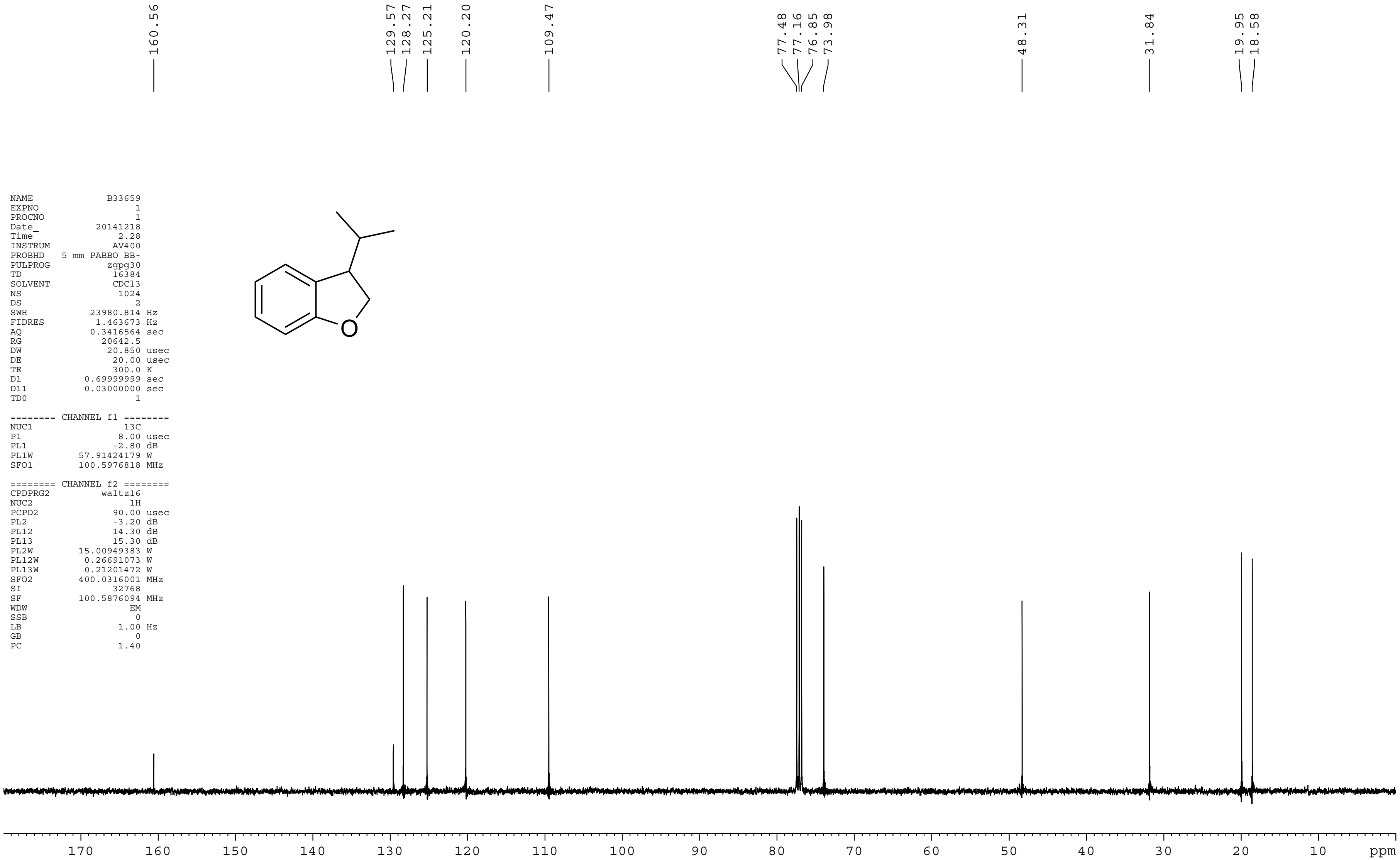


Figure S39. ^{13}C spectrum—compound **22**.

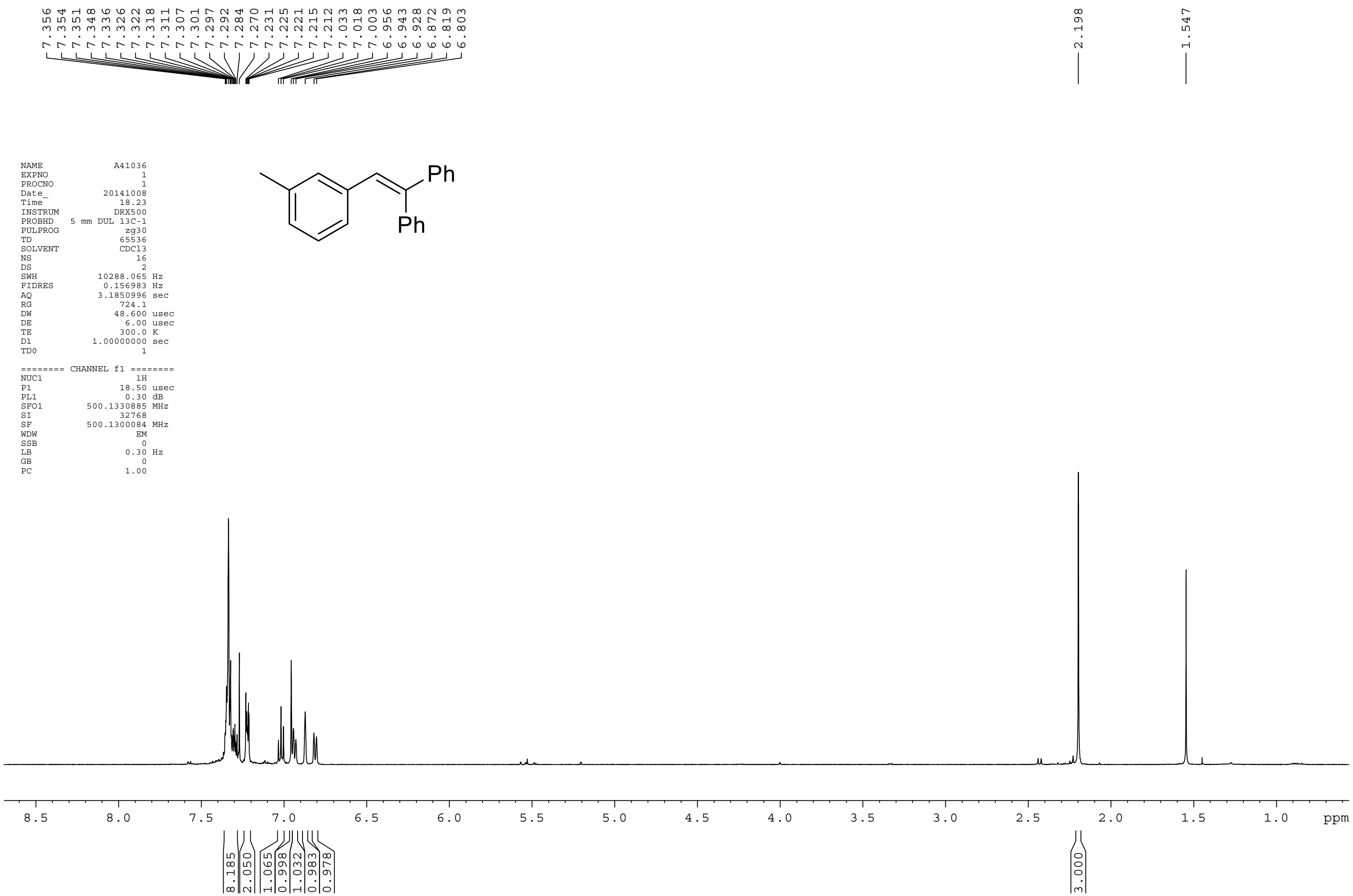


Figure S40. ^{1}H spectrum—compound **6h**.

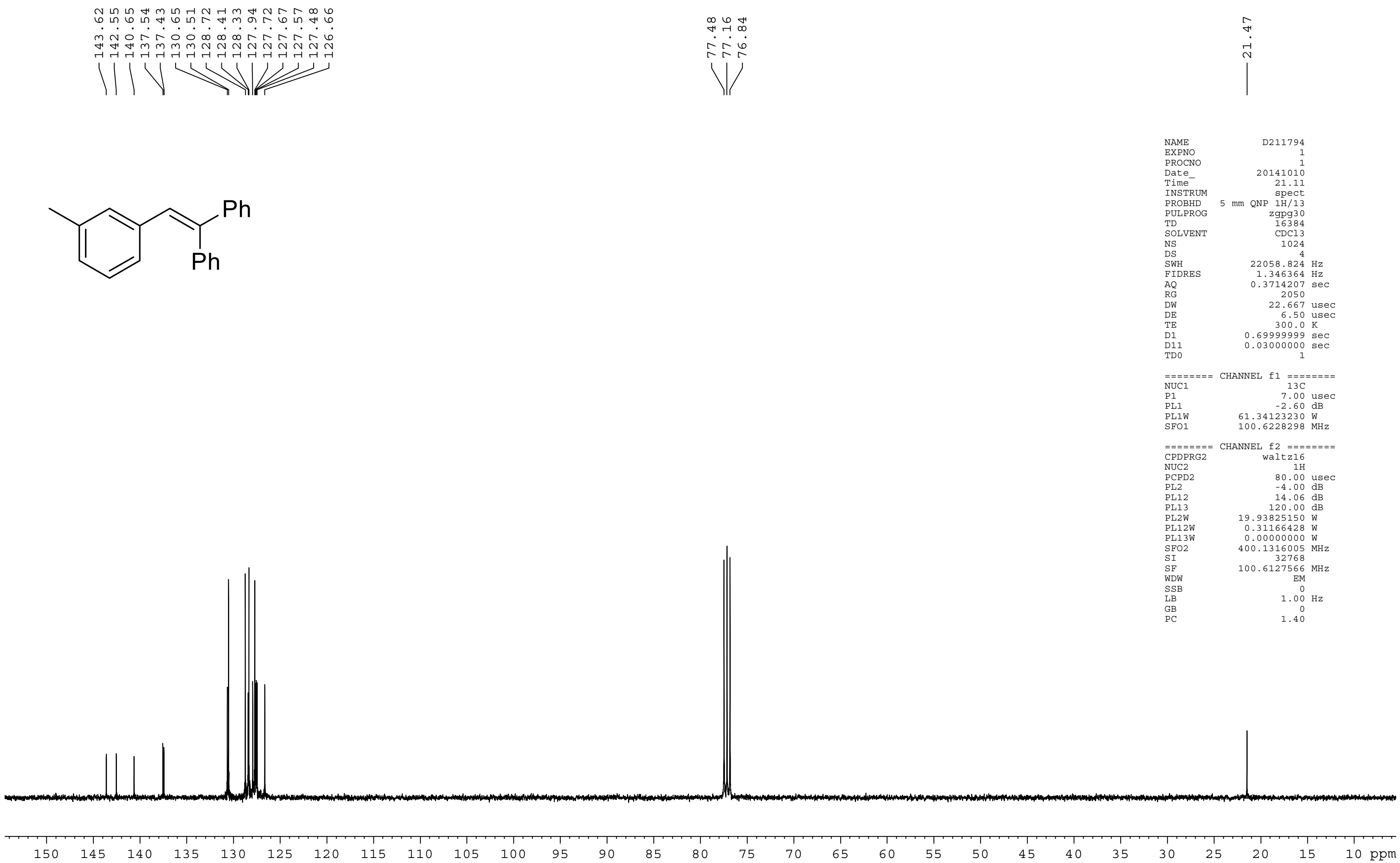


Figure S41. ^{13}C spectrum—compound **6h**.

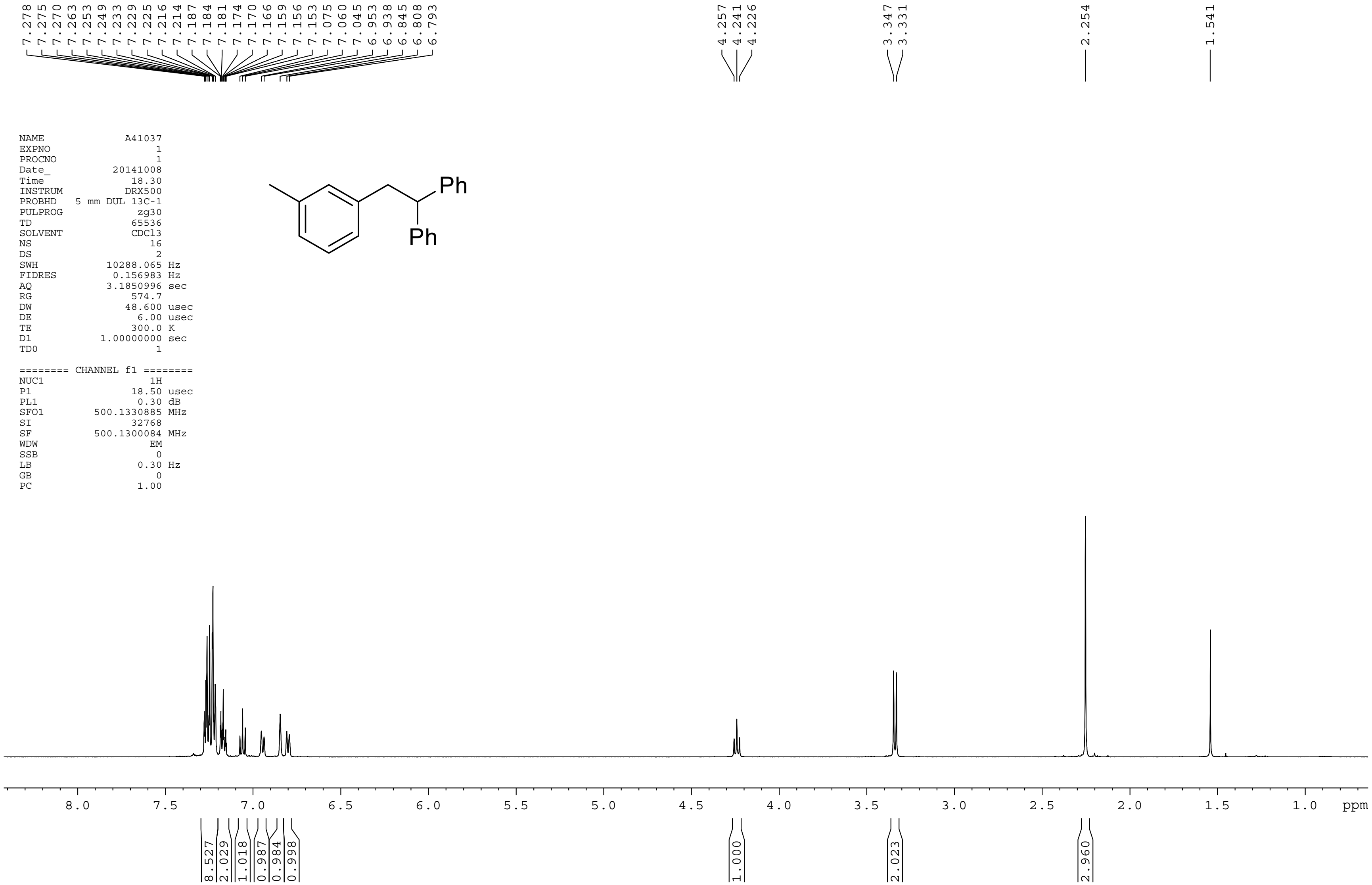


Figure S42. ^{1}H spectrum—compound **15h**.

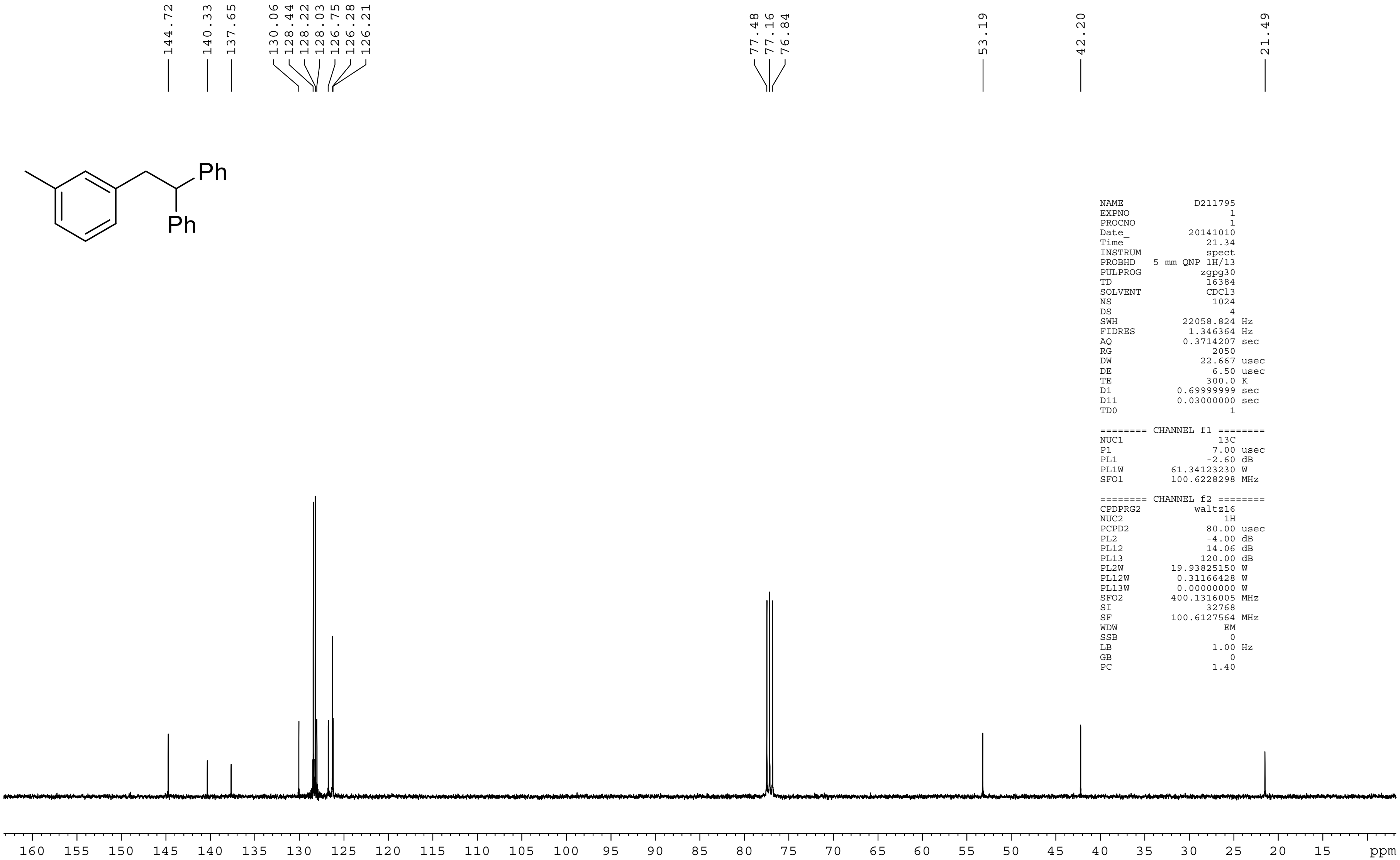


Figure S43. ^{13}C spectrum—compound **15h**.