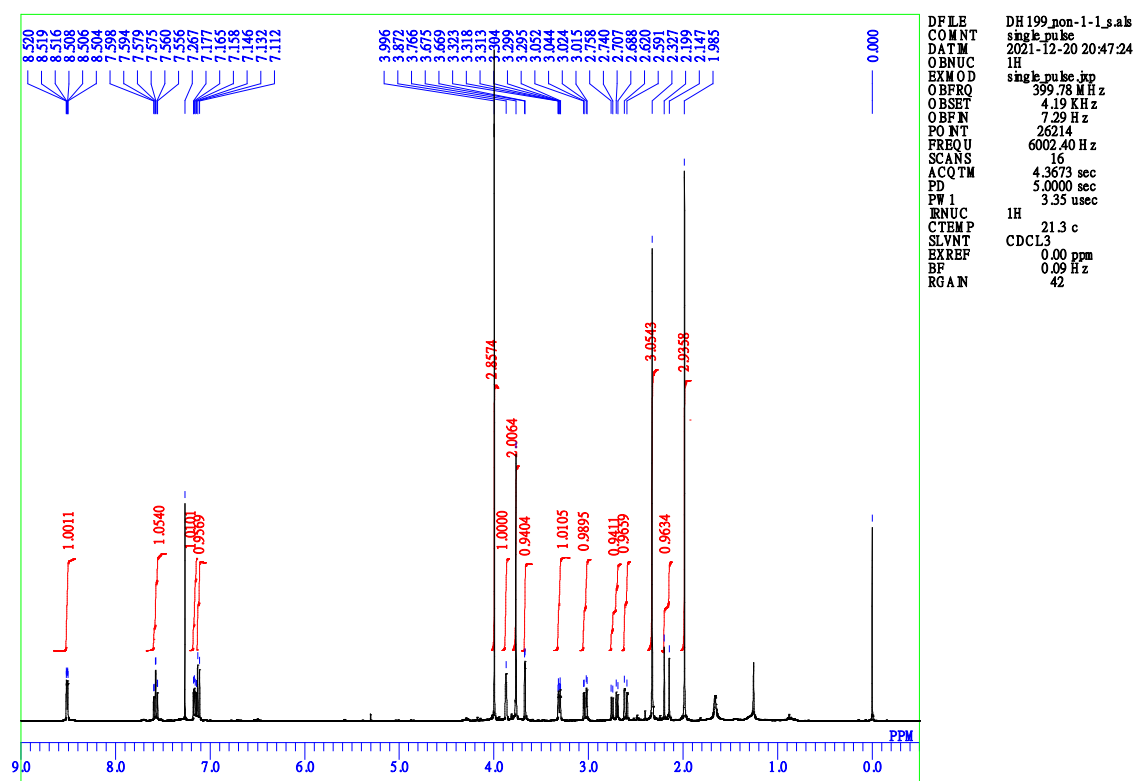
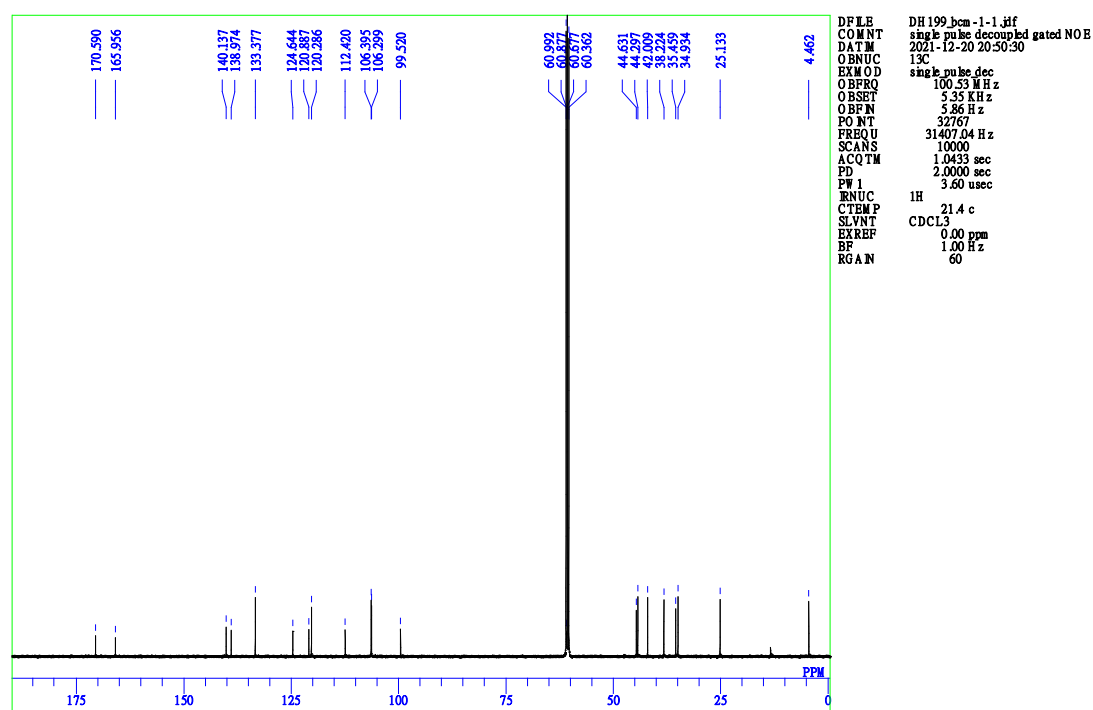


Supporting Information

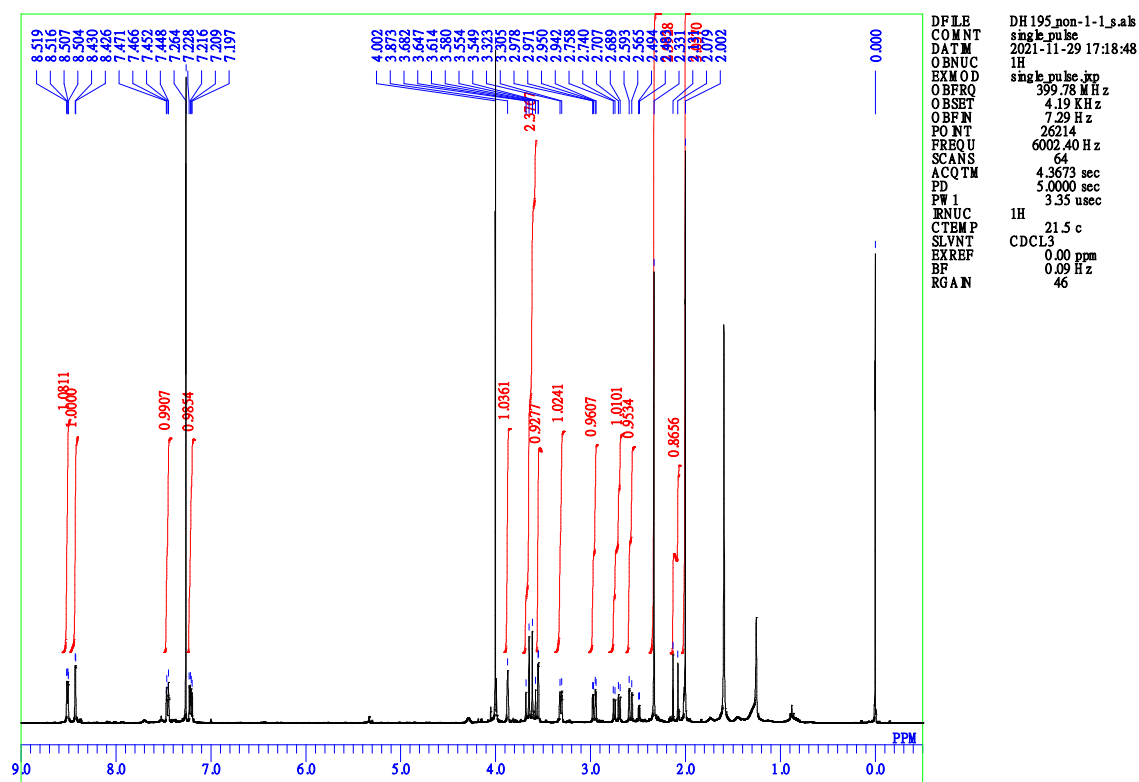


A

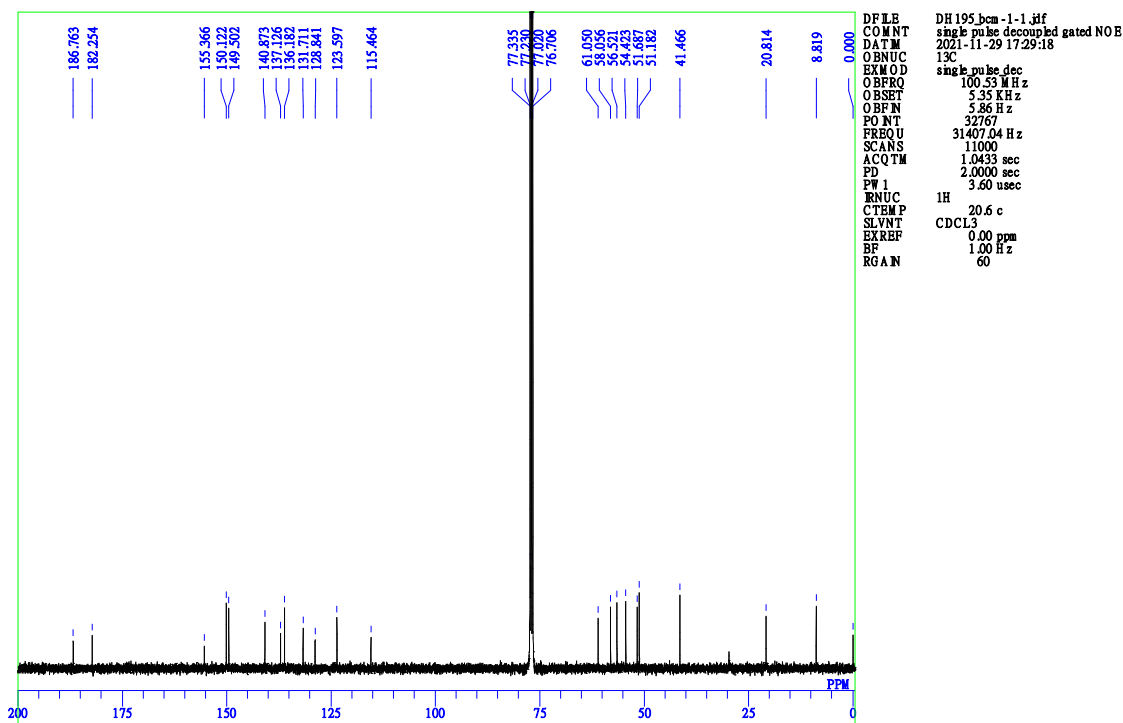


B

Figure S1. (A). ^1H -NMR of **4a: DH_18** in CDCl_3 (400 MHz). (B). ^{13}C -NMR of **4a: DH_18** in CDCl_3 (100 MHz).

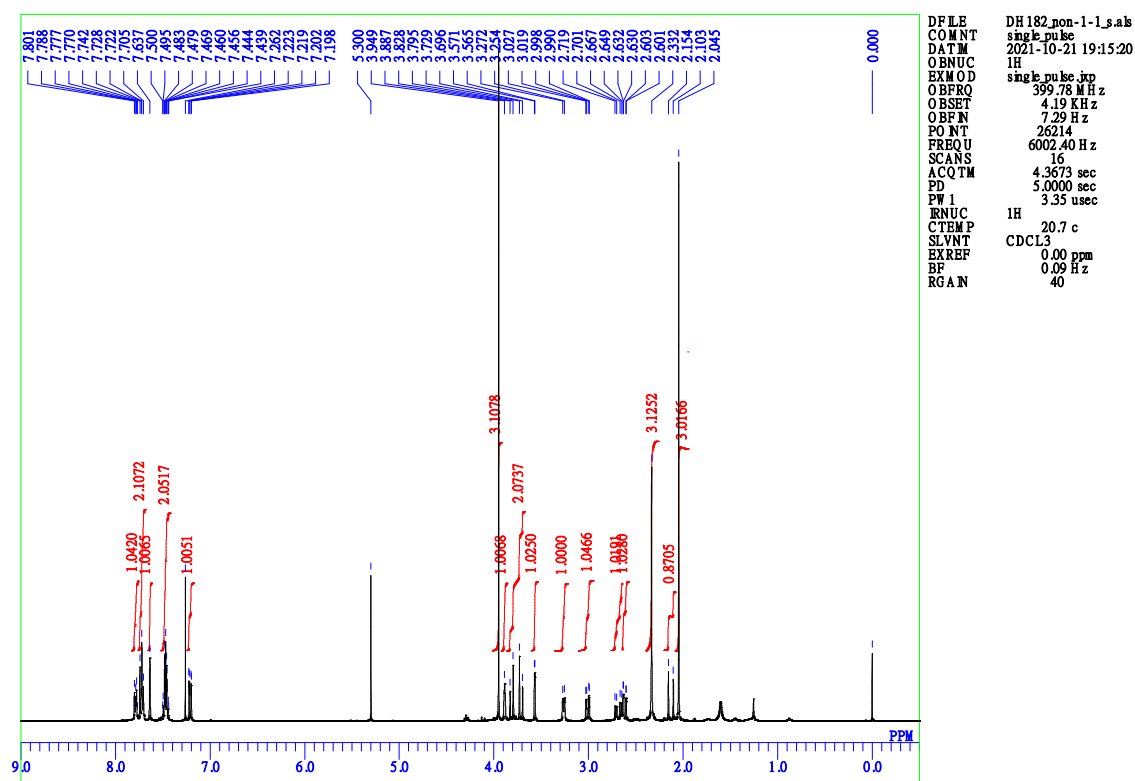


A



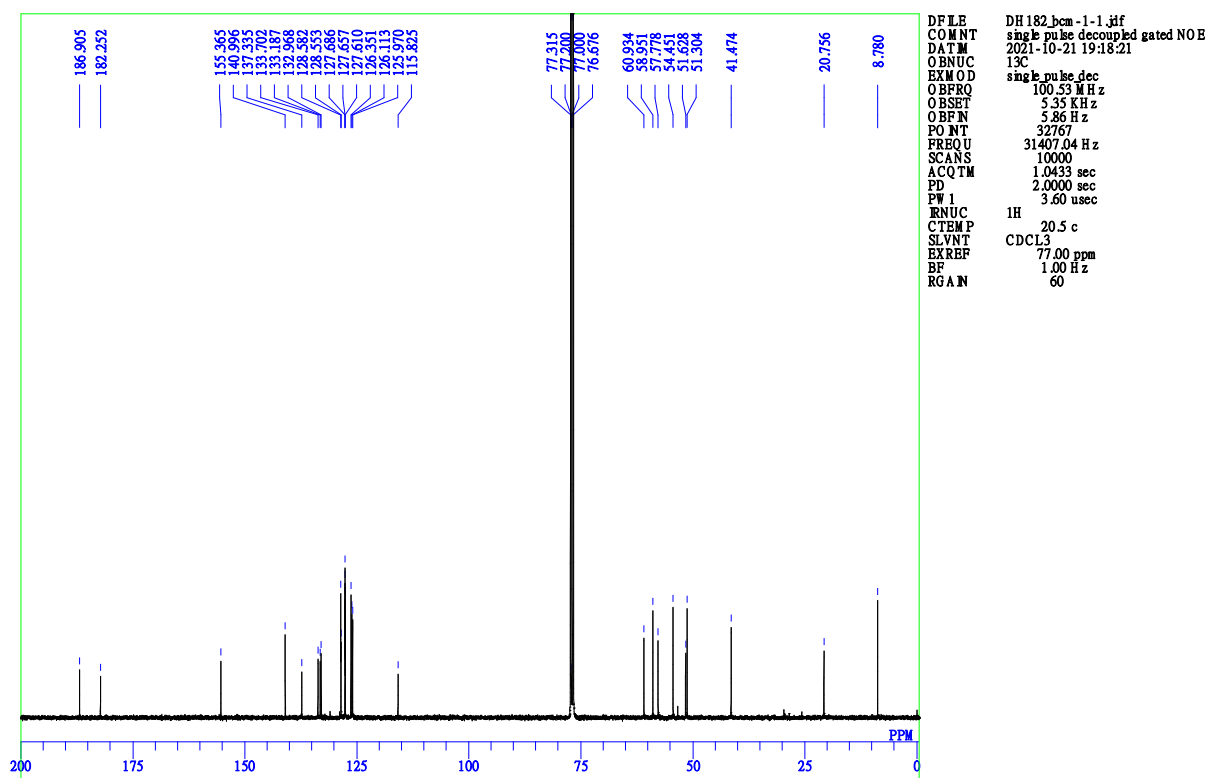
B

Figure S2. (A). ^1H -NMR of **4b: DH_21** in CDCl_3 (400 MHz). **(B).** ^{13}C -NMR of **4b: DH_21** in CDCl_3 (100 MHz).



DH182_non-1-1.sals
 COMNT single_pulse
 DATM 2021-10-21 19:15:20
 OBNUC 1H
 EXMOD single_pulse.jxp
 OBFRO 399.78 MHz
 OBSET 4.19 KHz
 OBFN 7.29 Hz
 PO NT 26214
 FREQU 6002.40 Hz
 SCANS 16
 ACQTM 4.3673 sec
 PD 5.0000 sec
 PW 1 3.35 usec
 RNUC 1H
 CTEMP 20.7 c
 SLVNT CDCL3
 EXREF 0.00 ppm
 BF 0.09 Hz
 RGAN 40

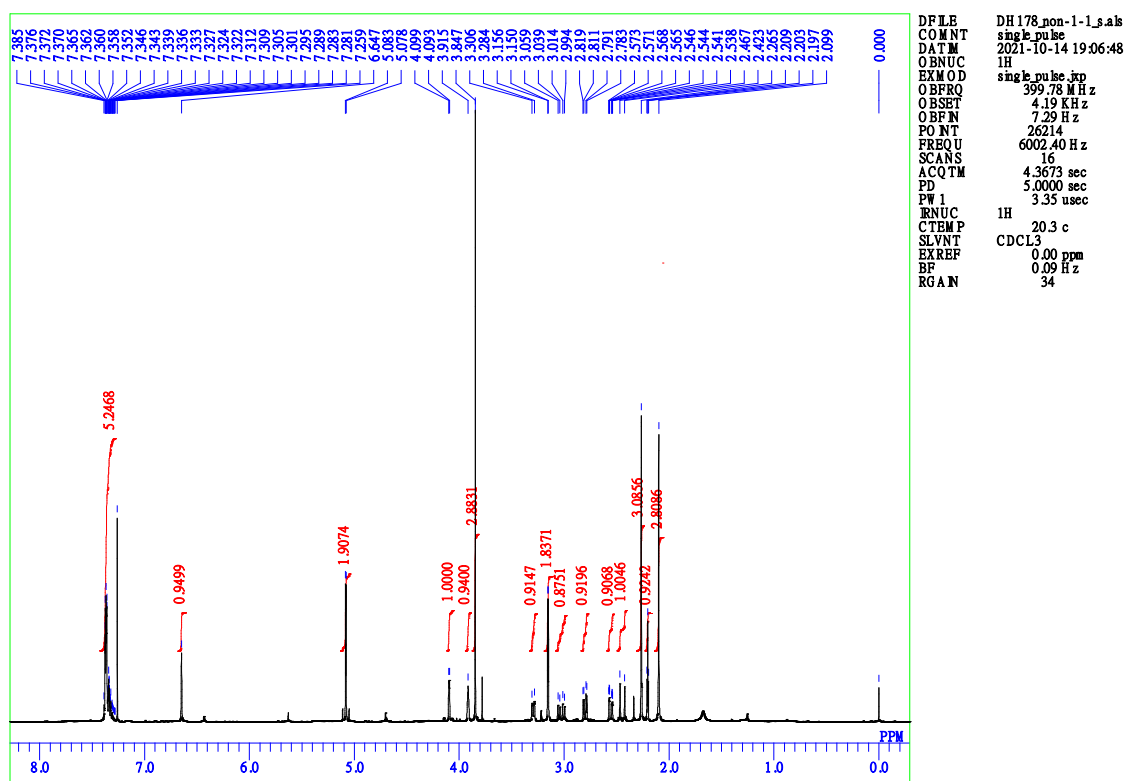
A



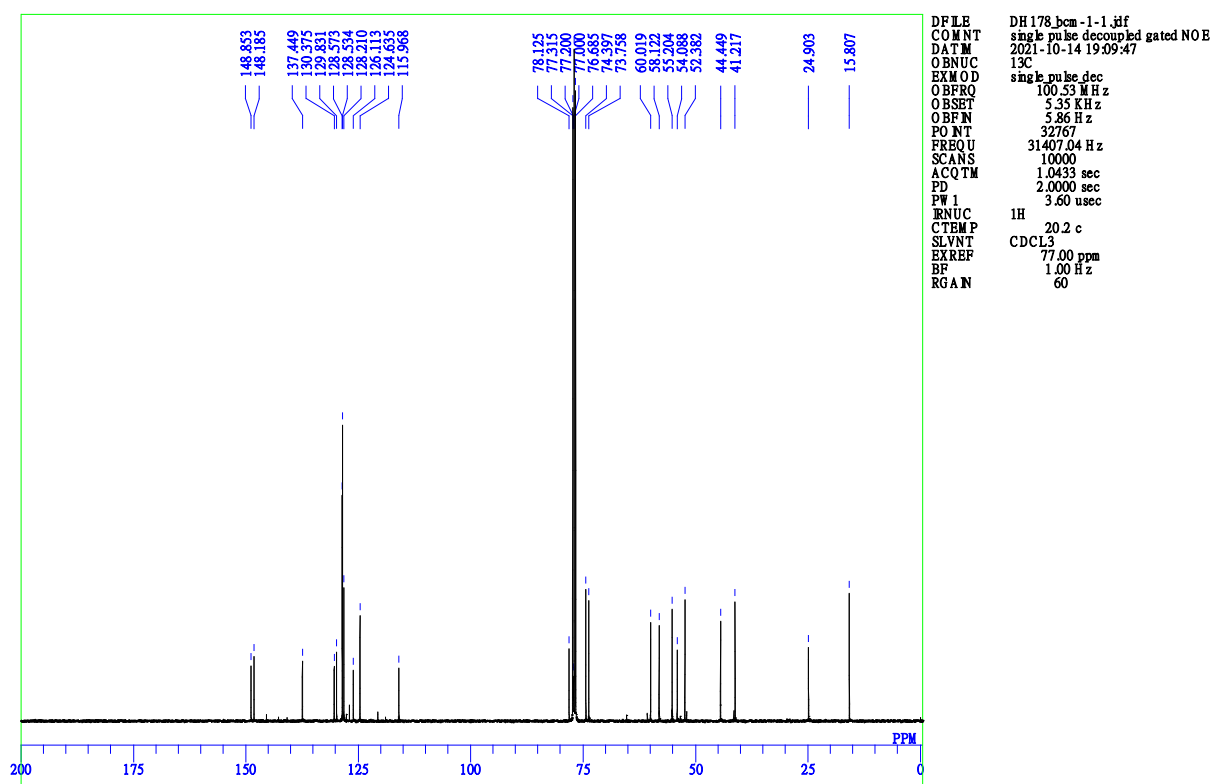
DH182_bcm-1-1.jif
 COMNT single_pulse decoupled gated NOE
 DATM 2021-10-21 19:18:21
 OBNUC 13C
 EXMOD single_pulse.dec
 OBFRO 100.53 MHz
 OBSET 5.35 KHz
 OBFN 5.86 Hz
 PO NT 32767
 FREQU 31407.04 Hz
 SCANS 10000
 ACQTM 1.0433 sec
 PD 2.0000 sec
 PW 1 3.60 usec
 RNUC 1H
 CTEMP 20.5 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 1.00 Hz
 RGAN 60

B

Figure S3. (A). ^1H -NMR of **4c: DH_32** in CDCl_3 (400 MHz). (B). ^{13}C -NMR of **4c: DH_32** in CDCl_3 (100 MHz).

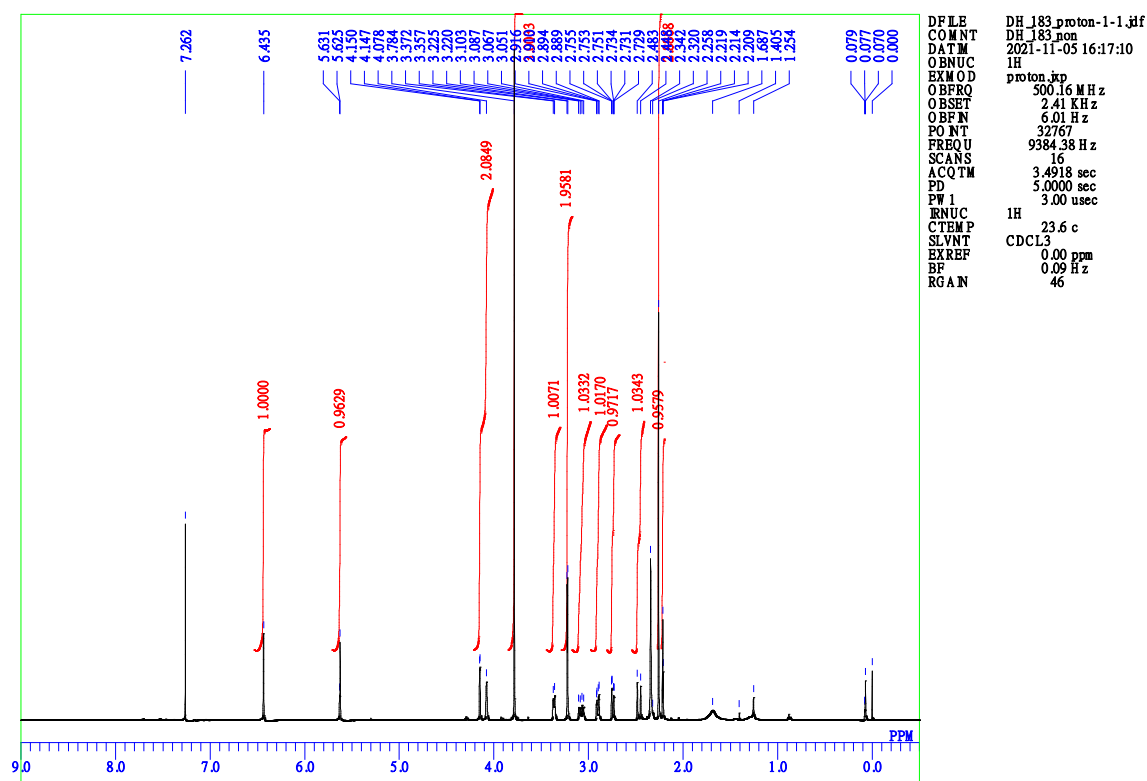


A

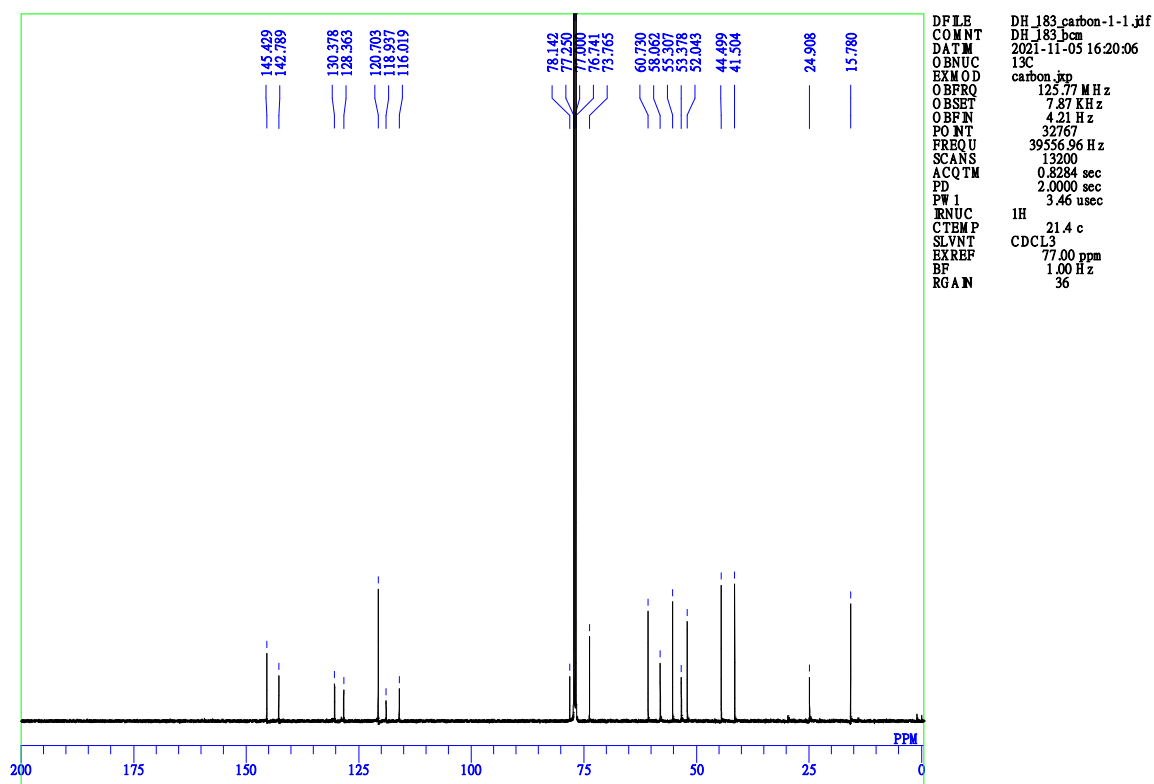


B

Figure S4. (A). ^1H -NMR of **2d** in CDCl_3 (400 MHz). (B). ^{13}C -NMR of **2d** in CDCl_3 (100 MHz).

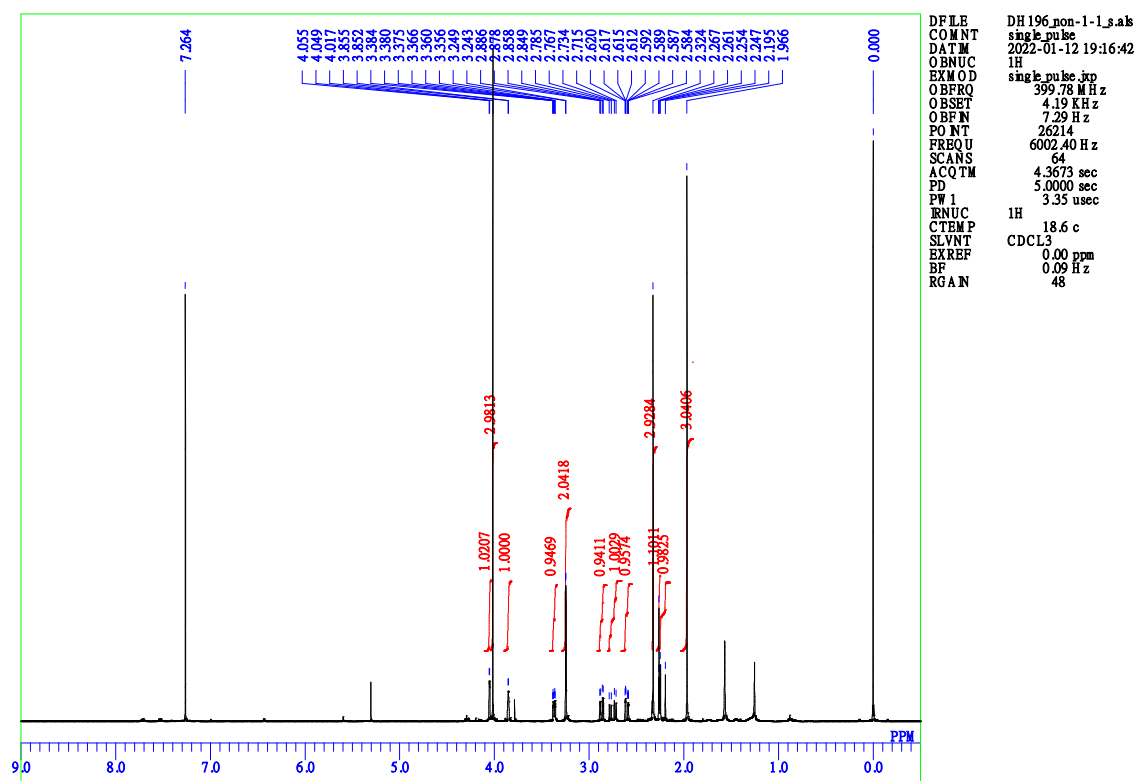


A

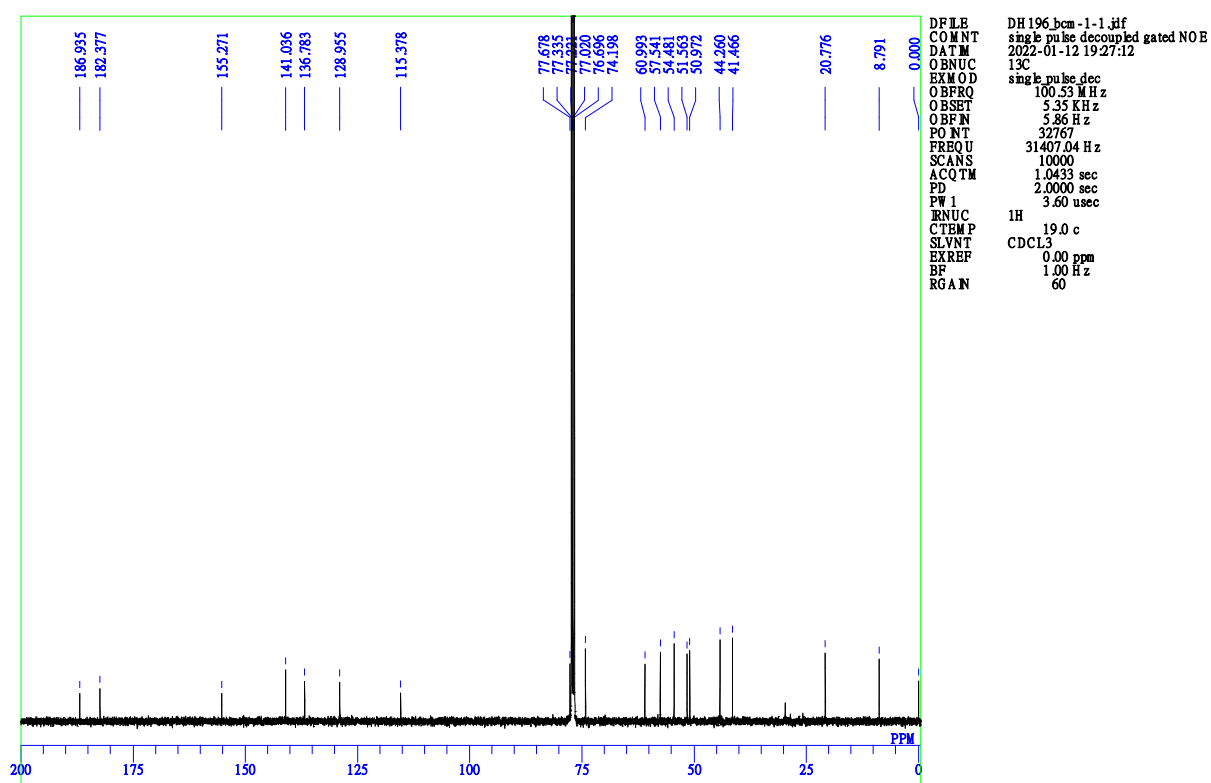


B

Figure S5. (A). ¹H-NMR of **3d** in CDCl₃ (500 MHz). (B). ¹³C-NMR of **3d** in CDCl₃ (125 MHz).

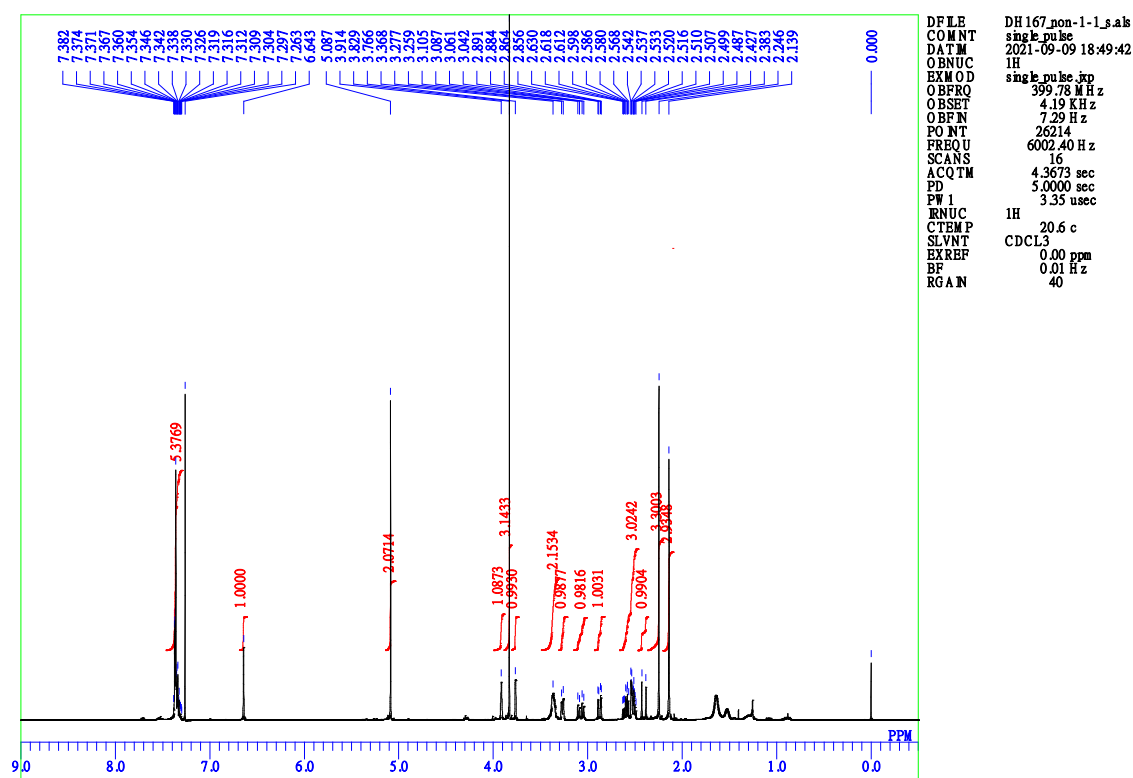


A

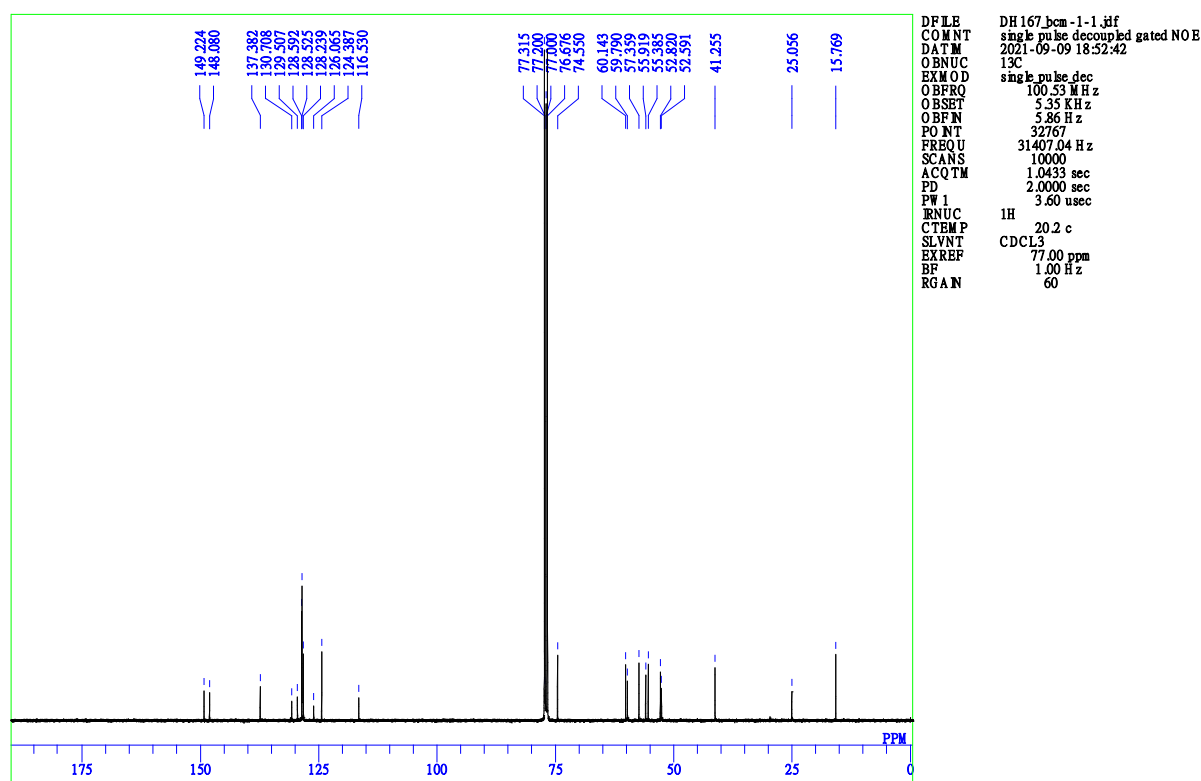


B

Figure S6. (A). ^1H -NMR of **4d: DH_35** in CDCl_3 (400 MHz). **(B).** ^{13}C -NMR of **4d: DH_35** in CDCl_3 (100 MHz).

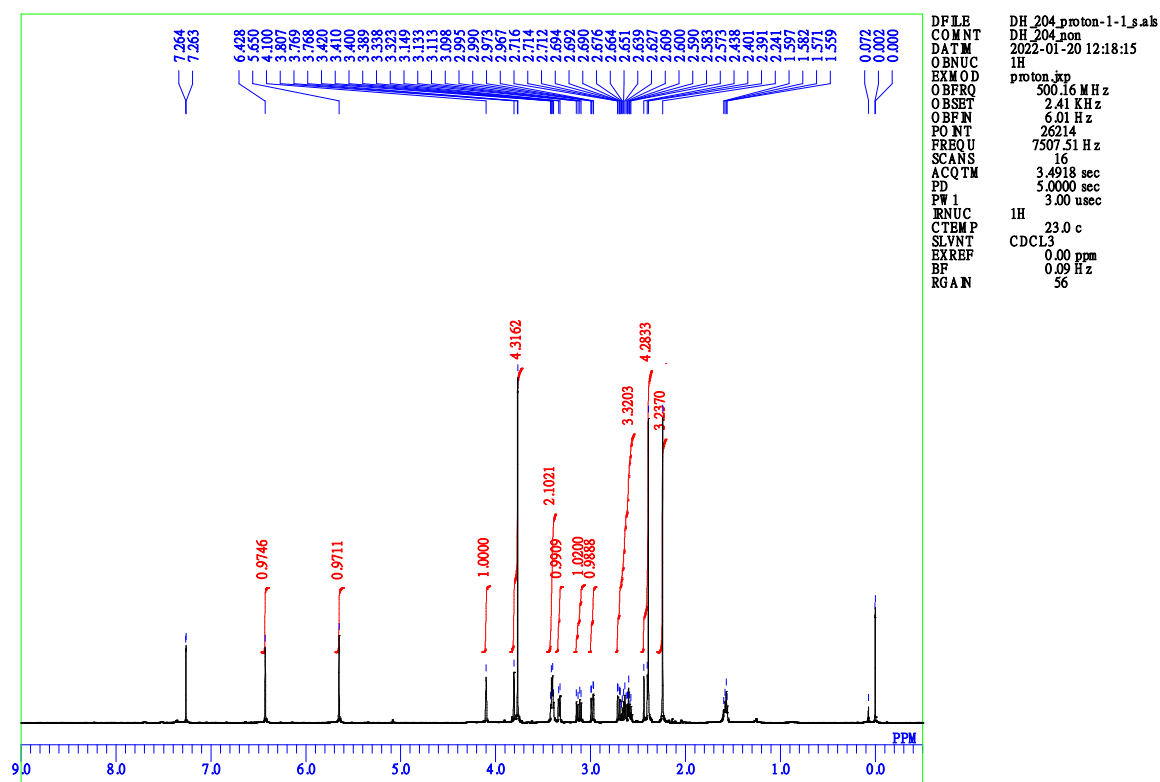


A

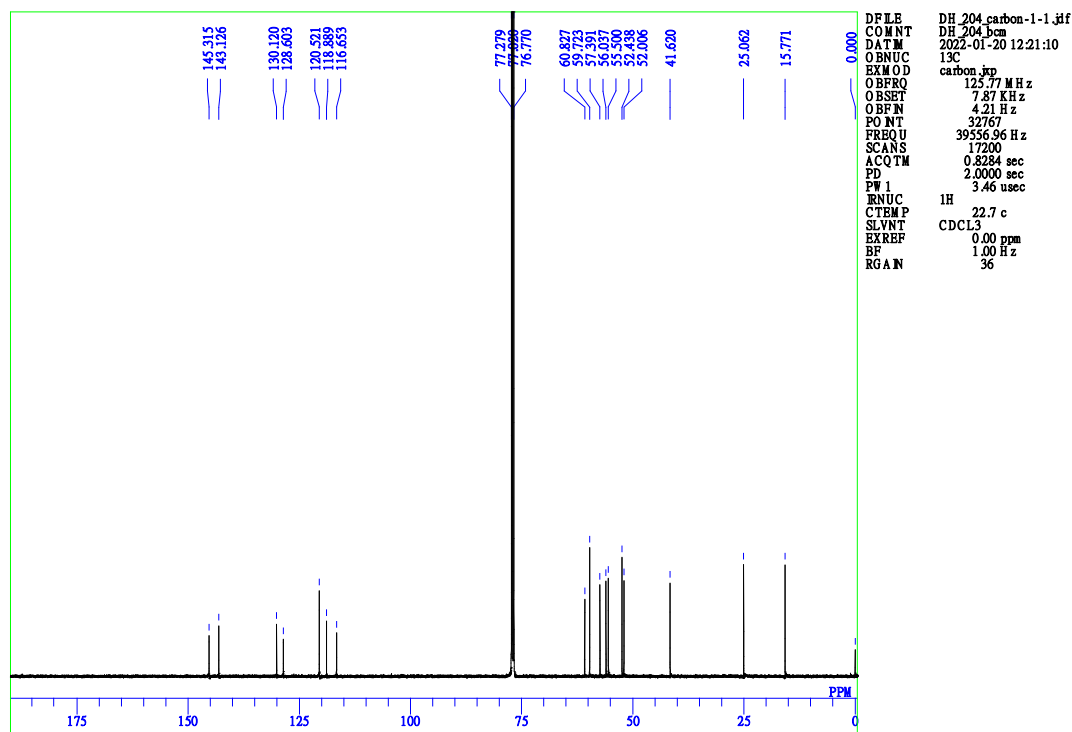


B

Figure S7. (A). ^1H -NMR of **2e** in CDCl_3 (400 MHz). **(B).** ^{13}C -NMR of **2e** in CDCl_3 (100 MHz).

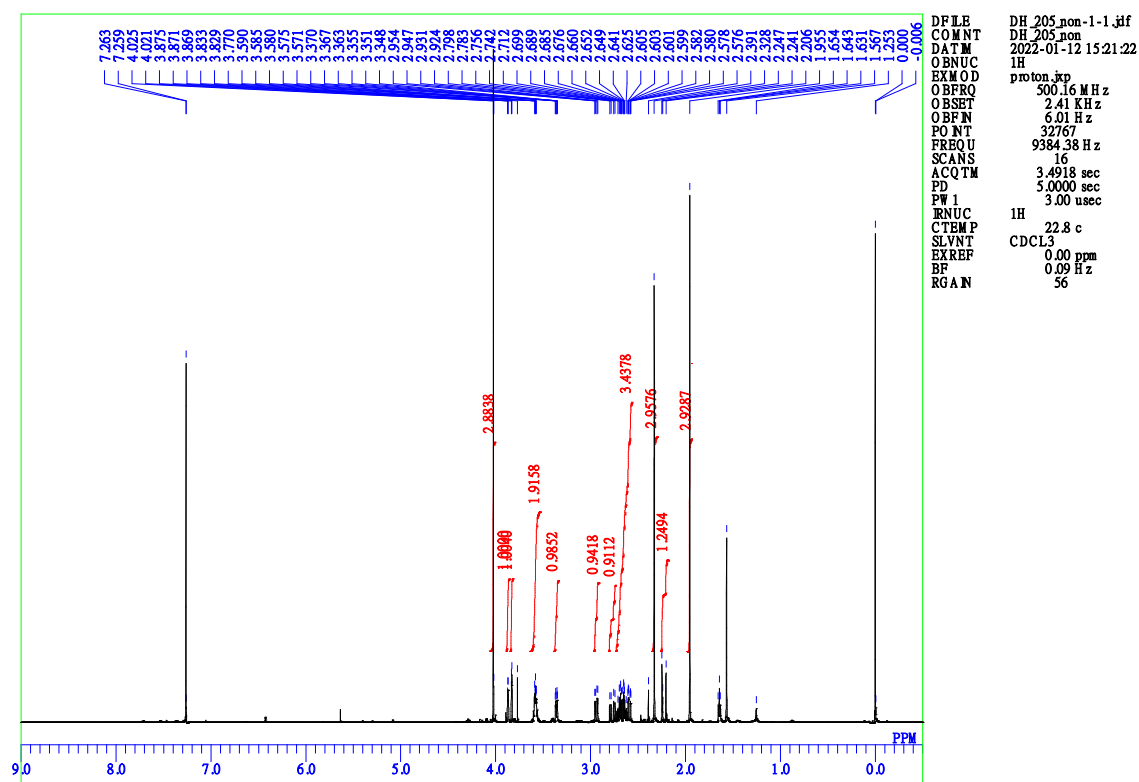


A

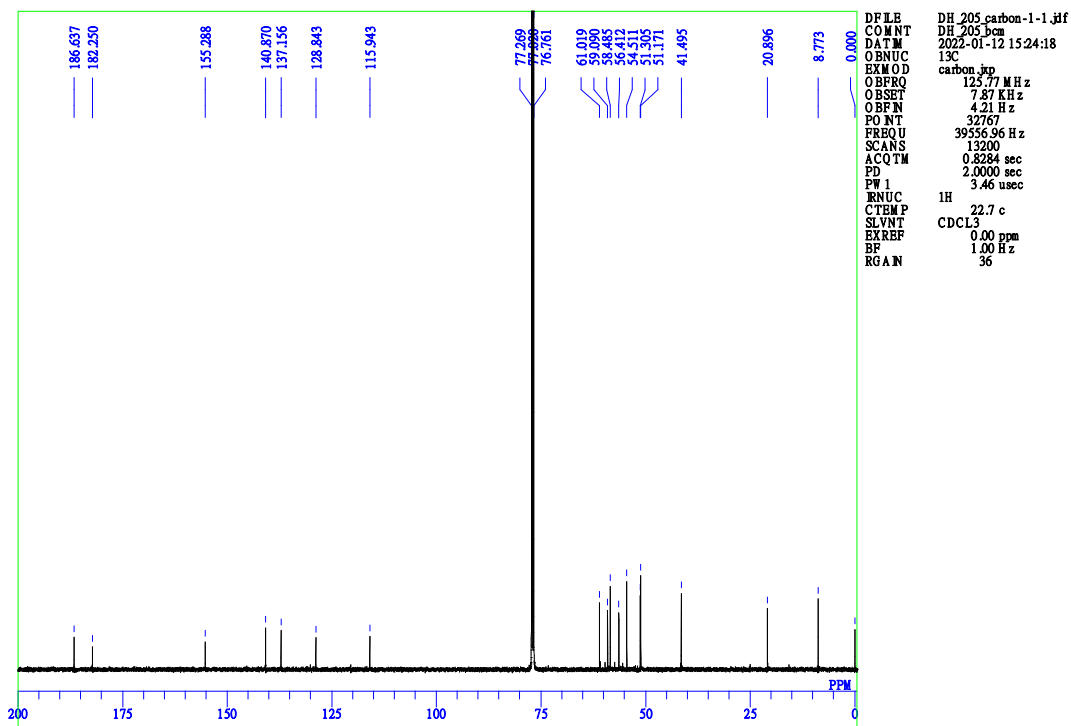


B

Figure S8. (A). ^1H -NMR of **3e** in CDCl_3 (500 MHz). (B). ^{13}C -NMR of **3e** in CDCl_3 (125 MHz).

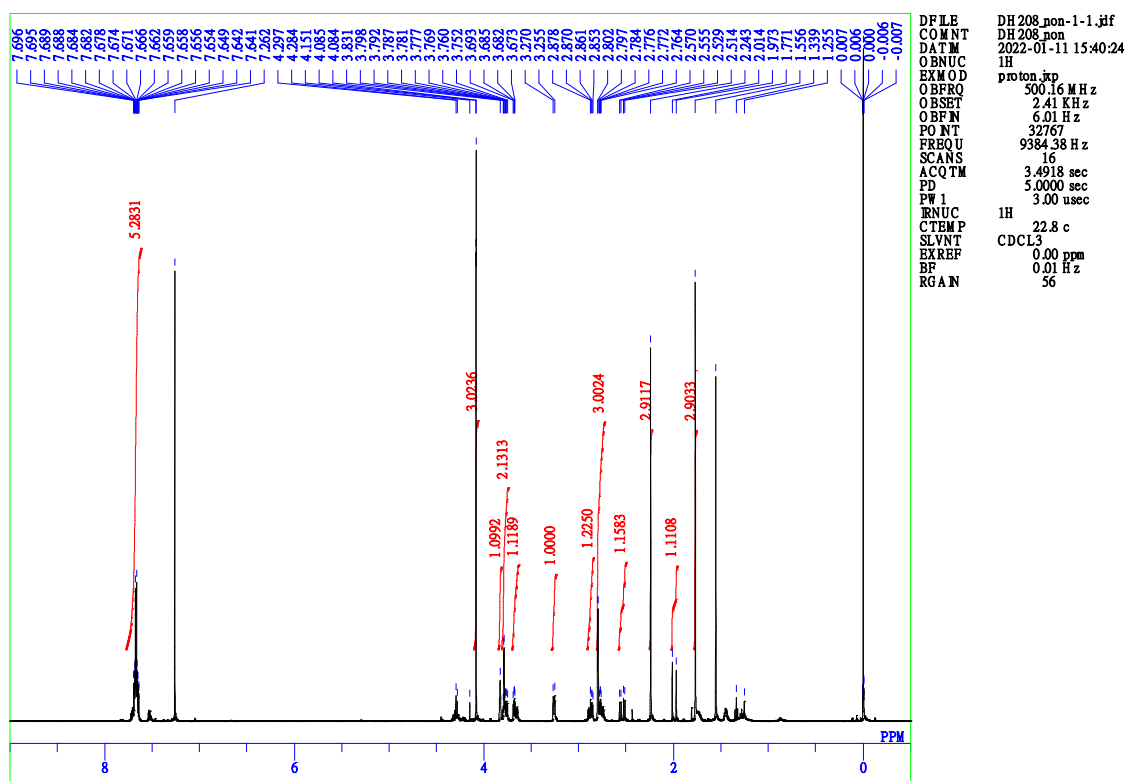


A

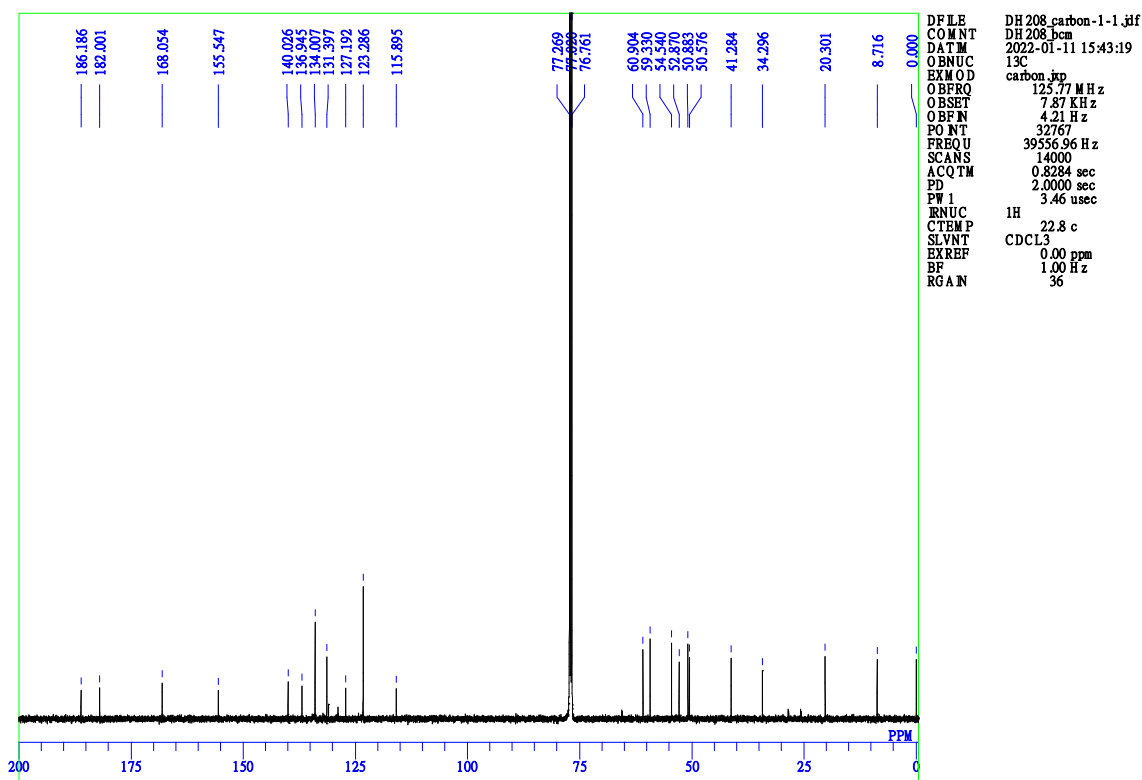


B

Figure S9. (A). ^1H -NMR of **4e: DH_38** in CDCl_3 (500 MHz). (B). ^{13}C -NMR of **4e: DH_38** in CDCl_3 (125 MHz).



A



B

Figure S10. (A). ^1H -NMR of **4f: DH_39** in CDCl_3 (500 MHz). (B). ^{13}C -NMR of **4f: DH_39** in CDCl_3 (125 MHz).