

New thiazolidine-4-one derivatives as SARS-CoV-2 main protease inhibitors

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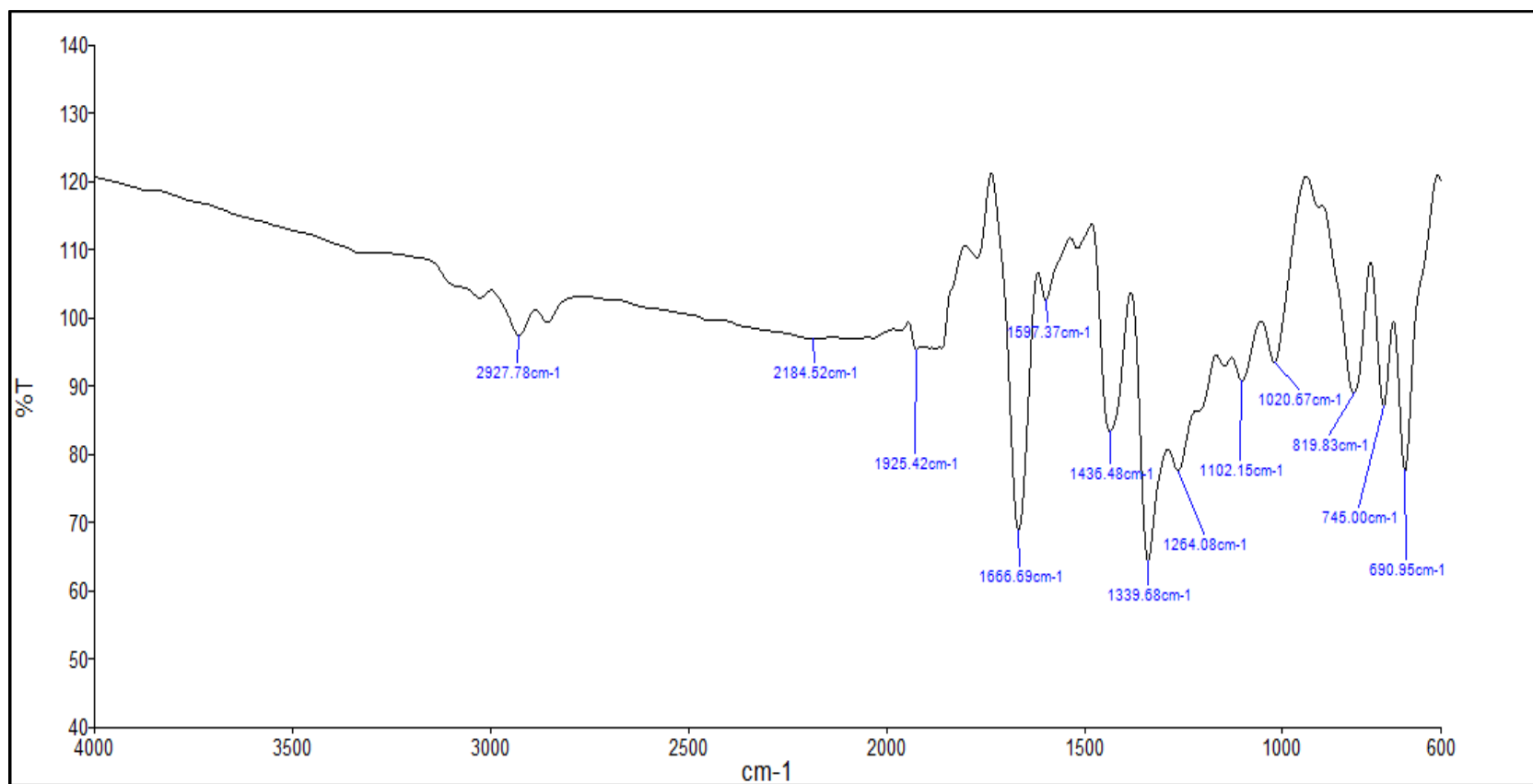


Figure S1. FTIR Spectrum for compound **4a**

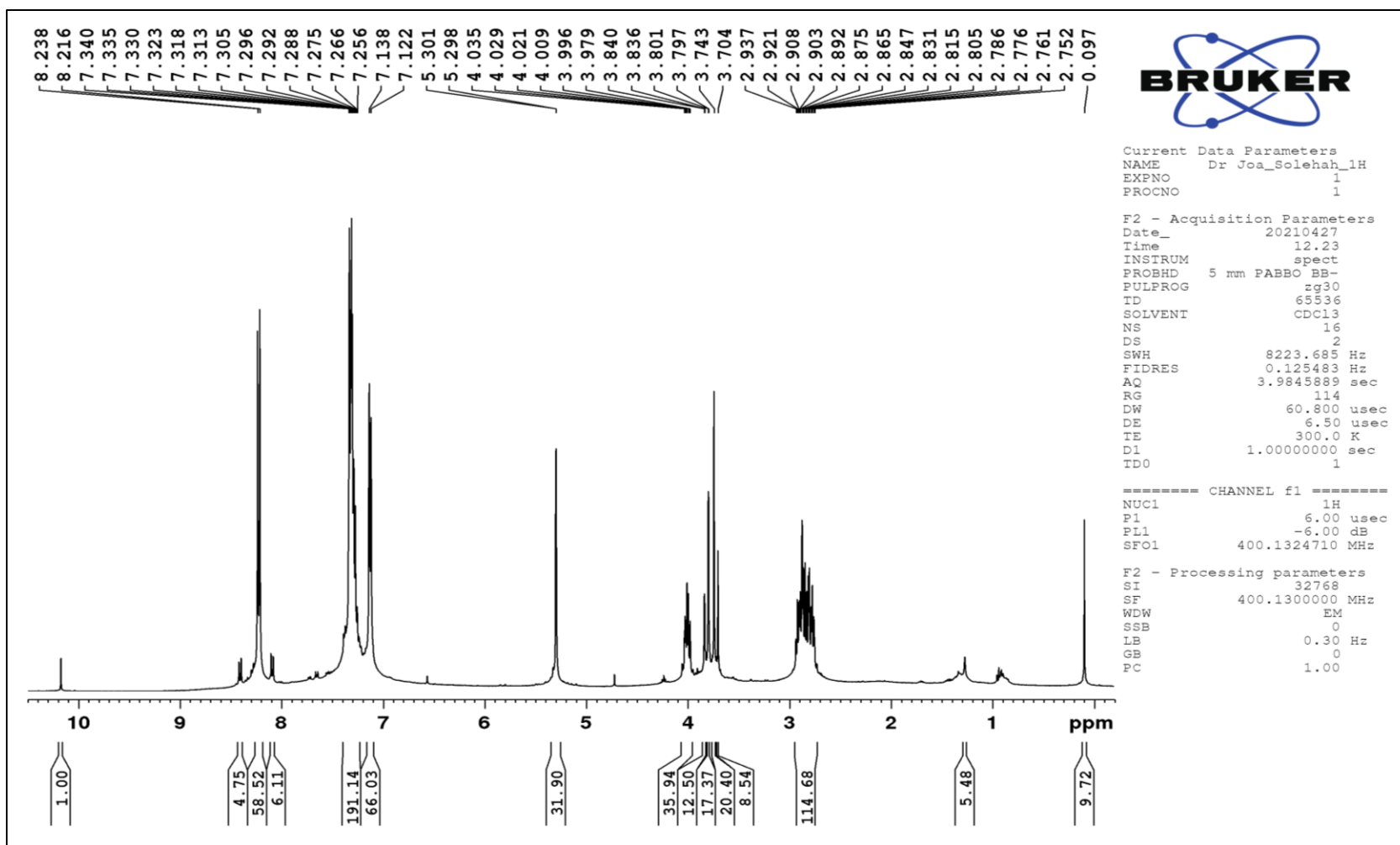


Figure S2. ^1H NMR Spectrum for compound **4a**

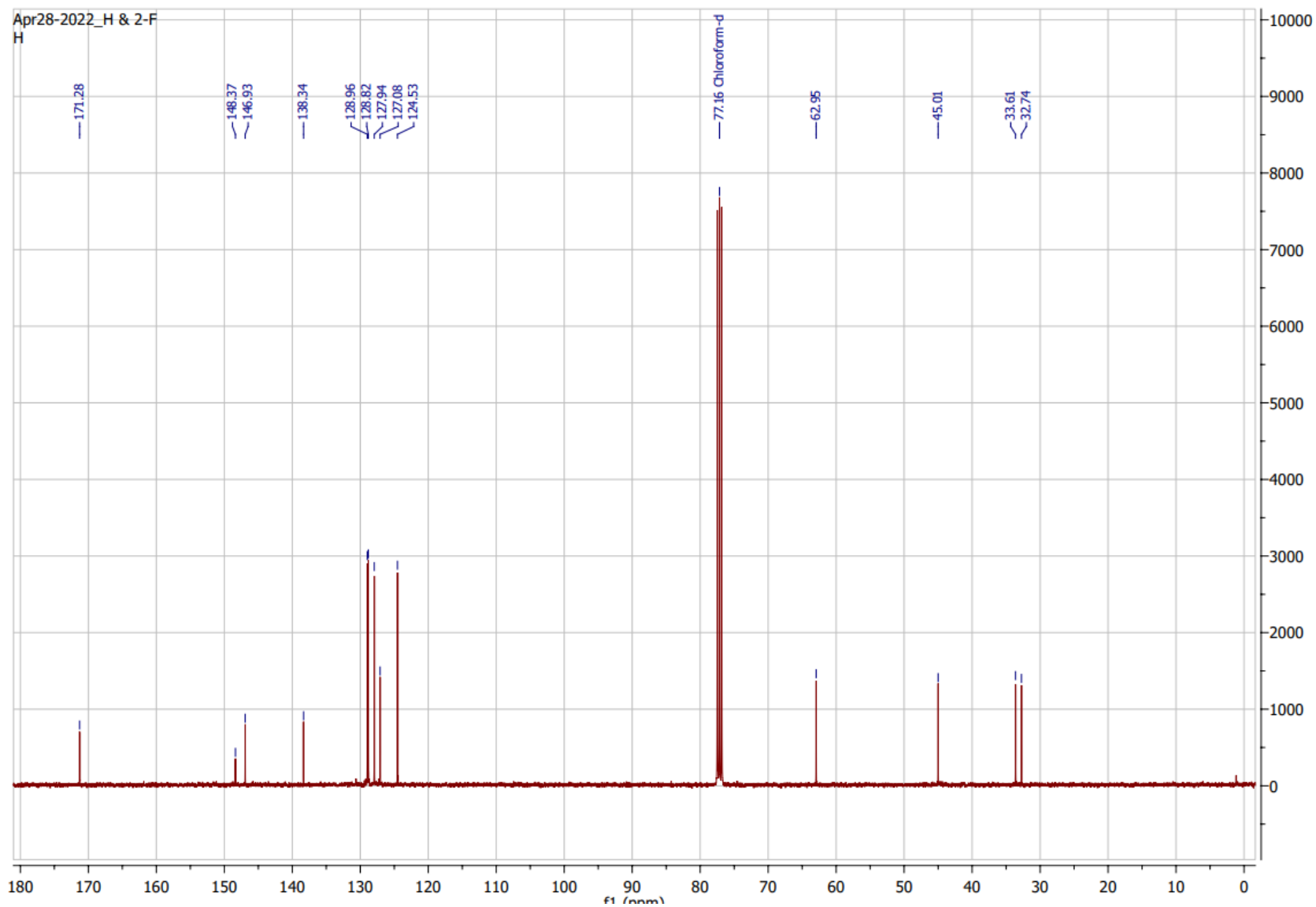


Figure S3. ^{13}C NMR Spectrum for compound 4a

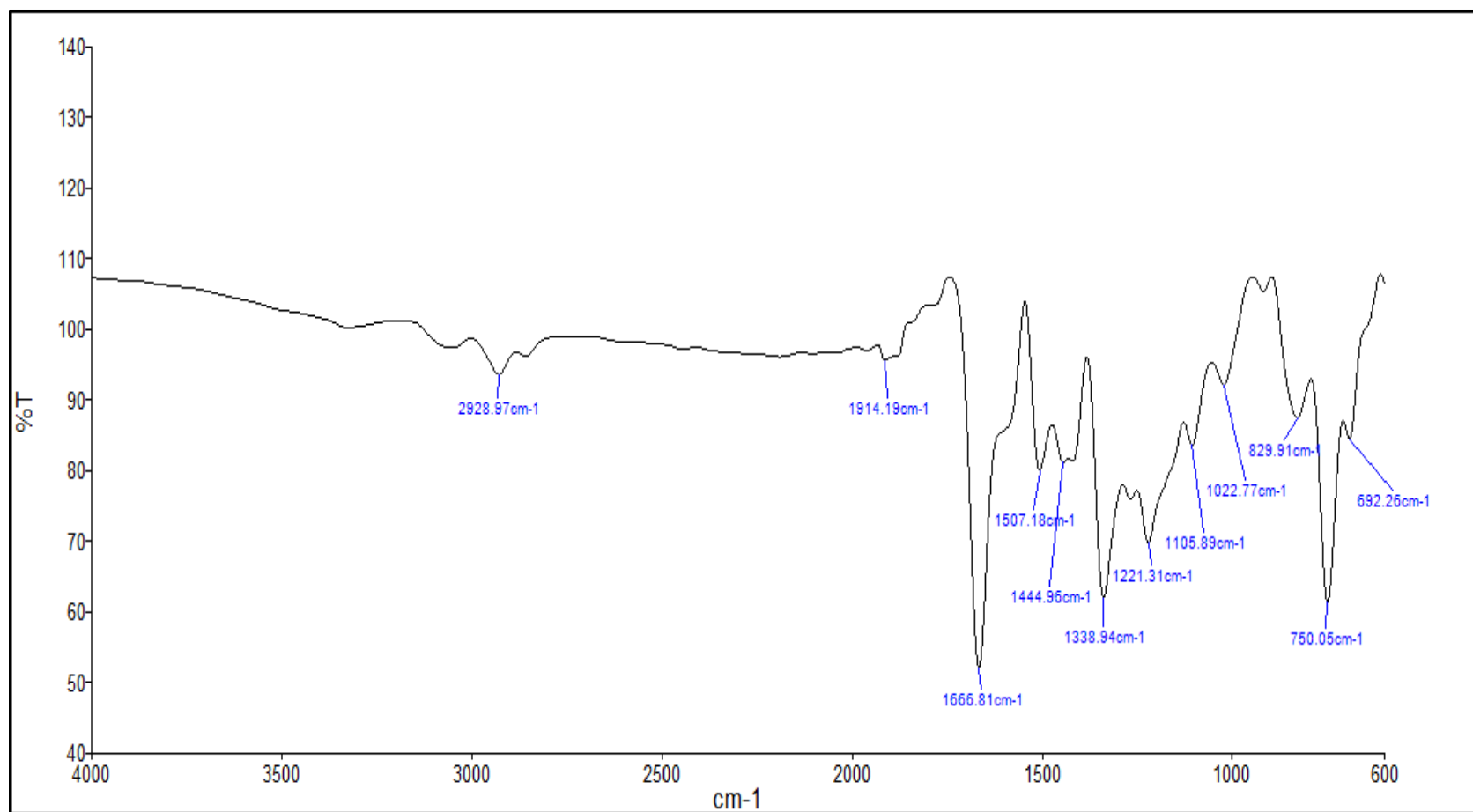


Figure S4. FTIR Spectrum for compound **4b**

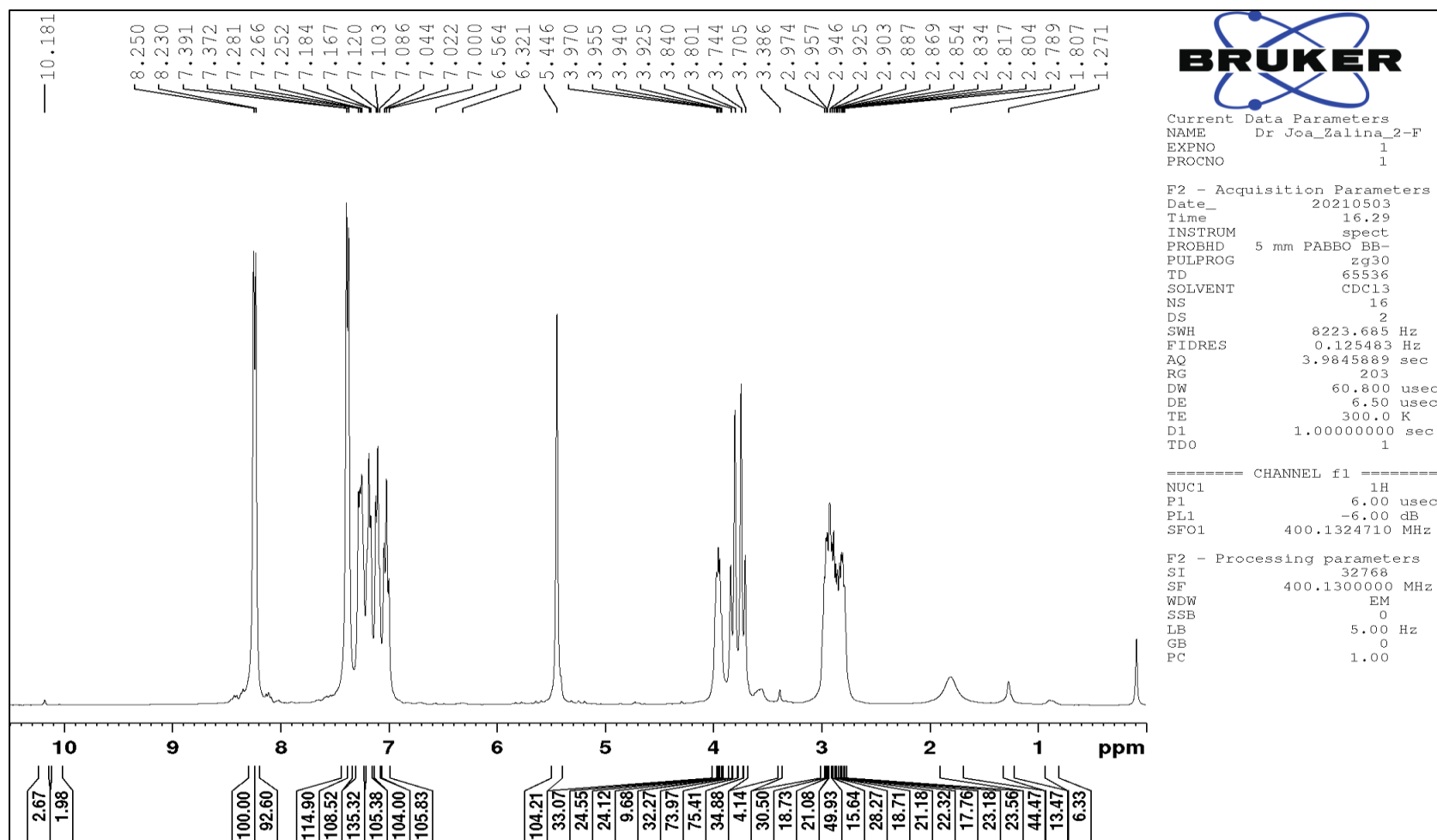


Figure S5. ¹H NMR Spectrum for compound **4b**

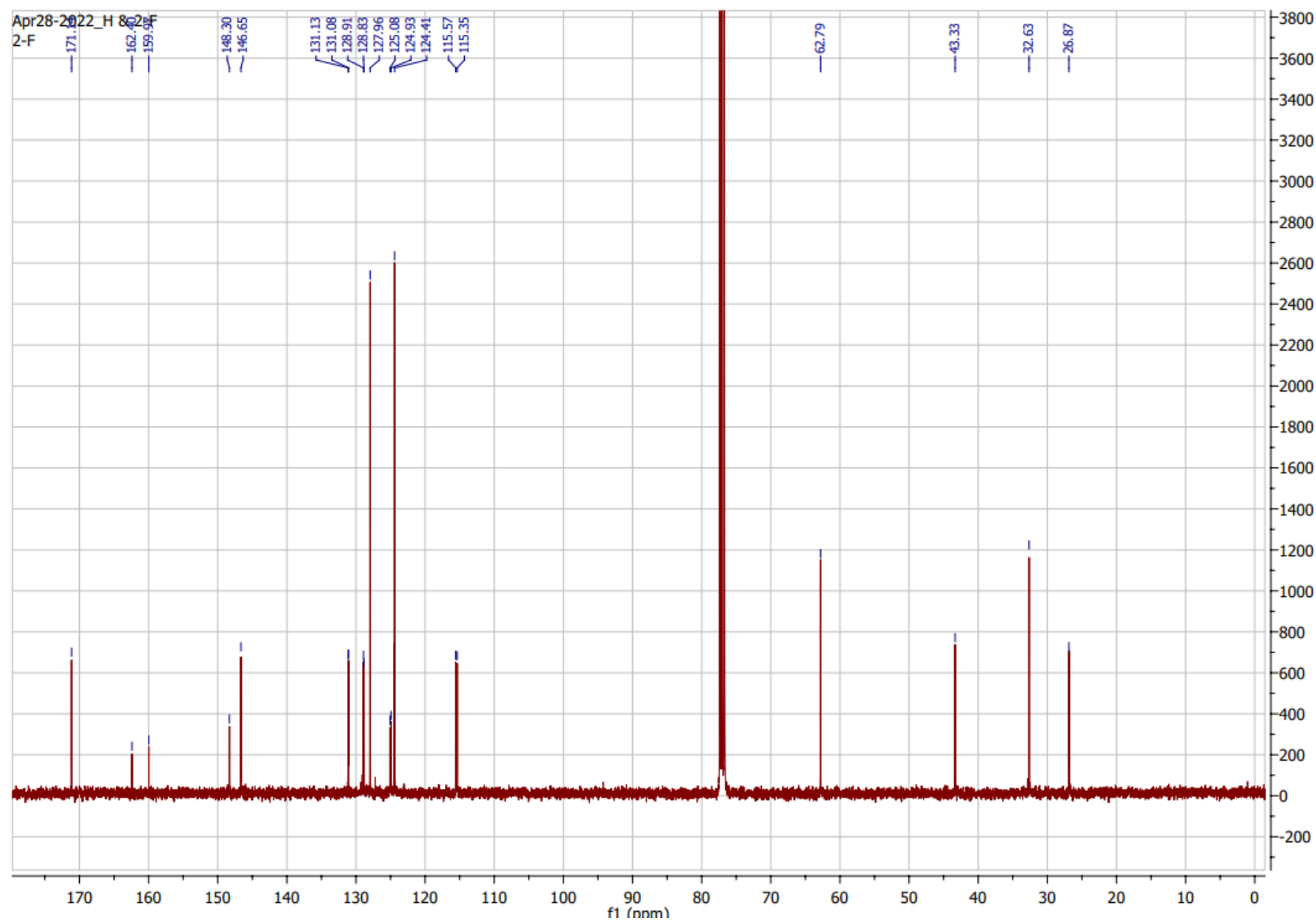


Figure S6. ^{13}C NMR Spectrum for compound **4b**

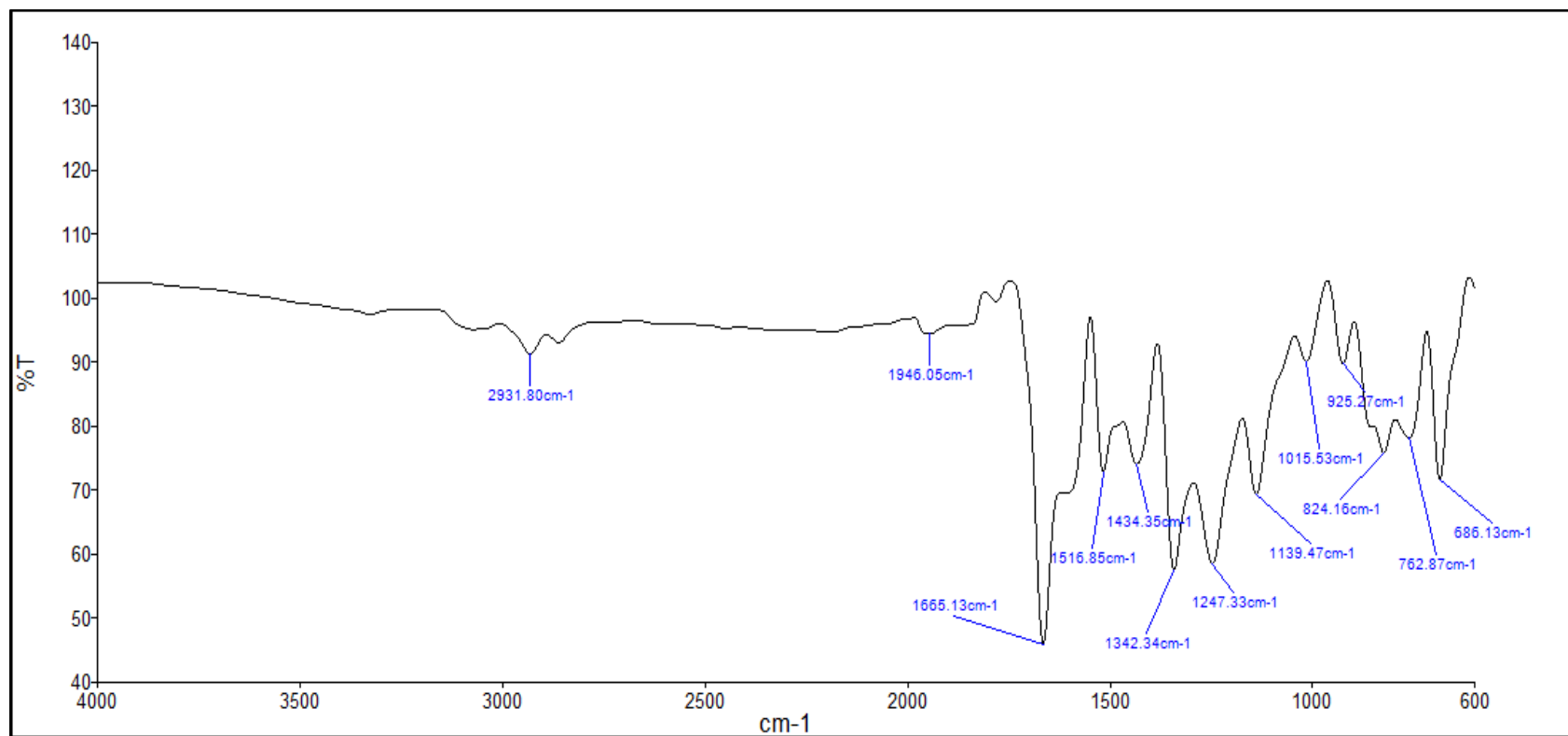


Figure S7. FTIR Spectrum for compound **4c**

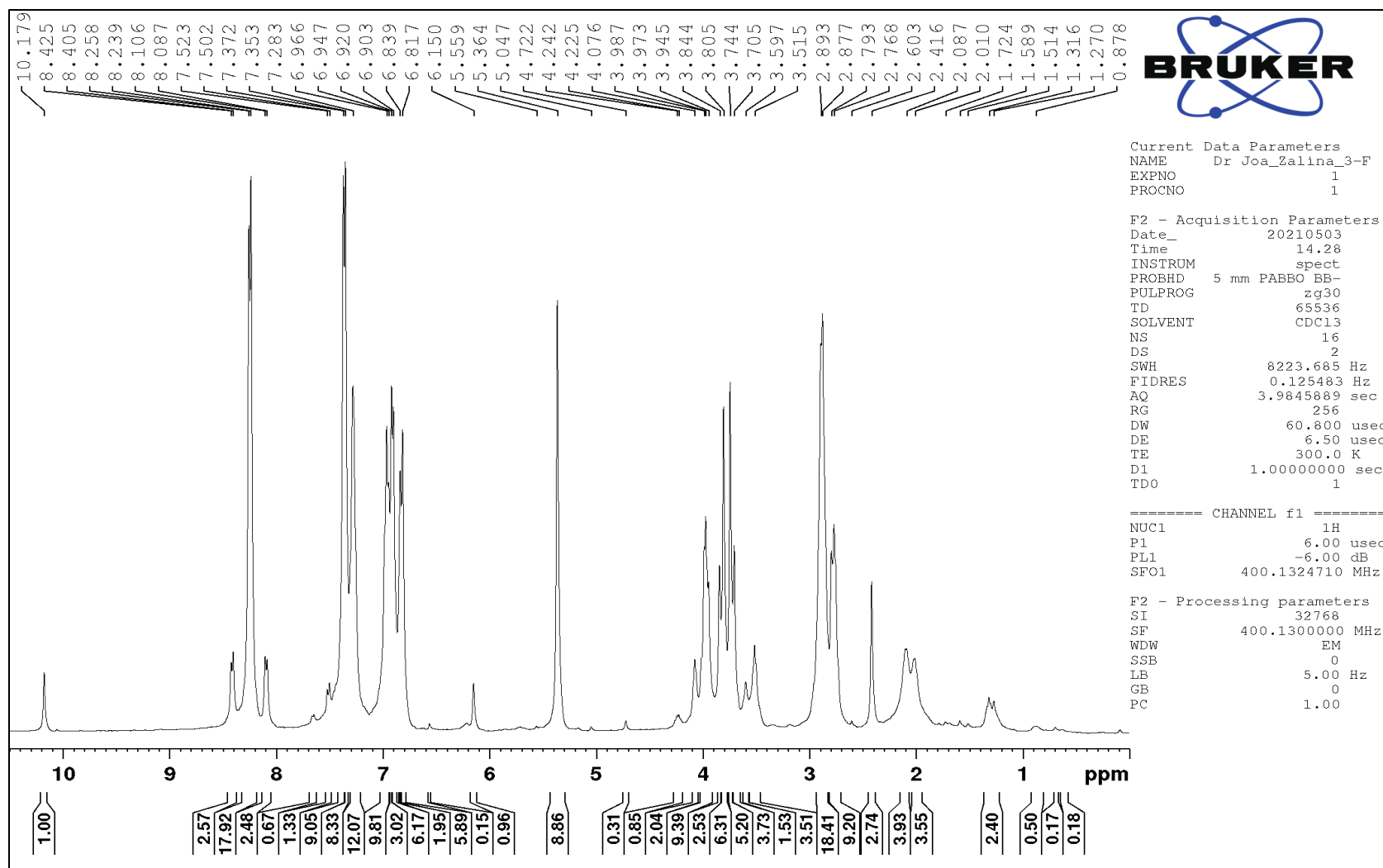


Figure S8. ¹H NMR Spectrum for compound **4c**

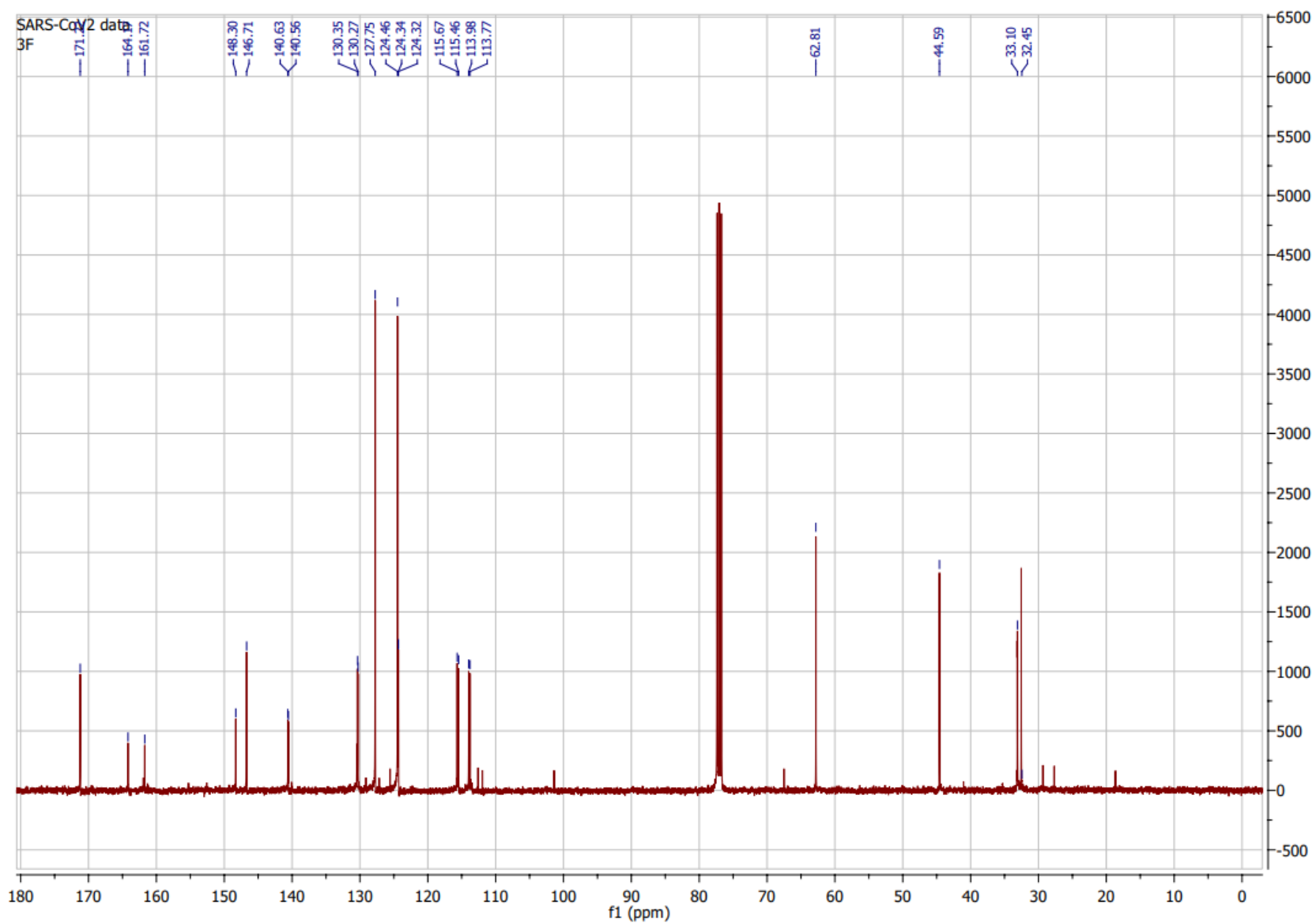


Figure S9. ^{13}C NMR Spectrum for compound **4c**

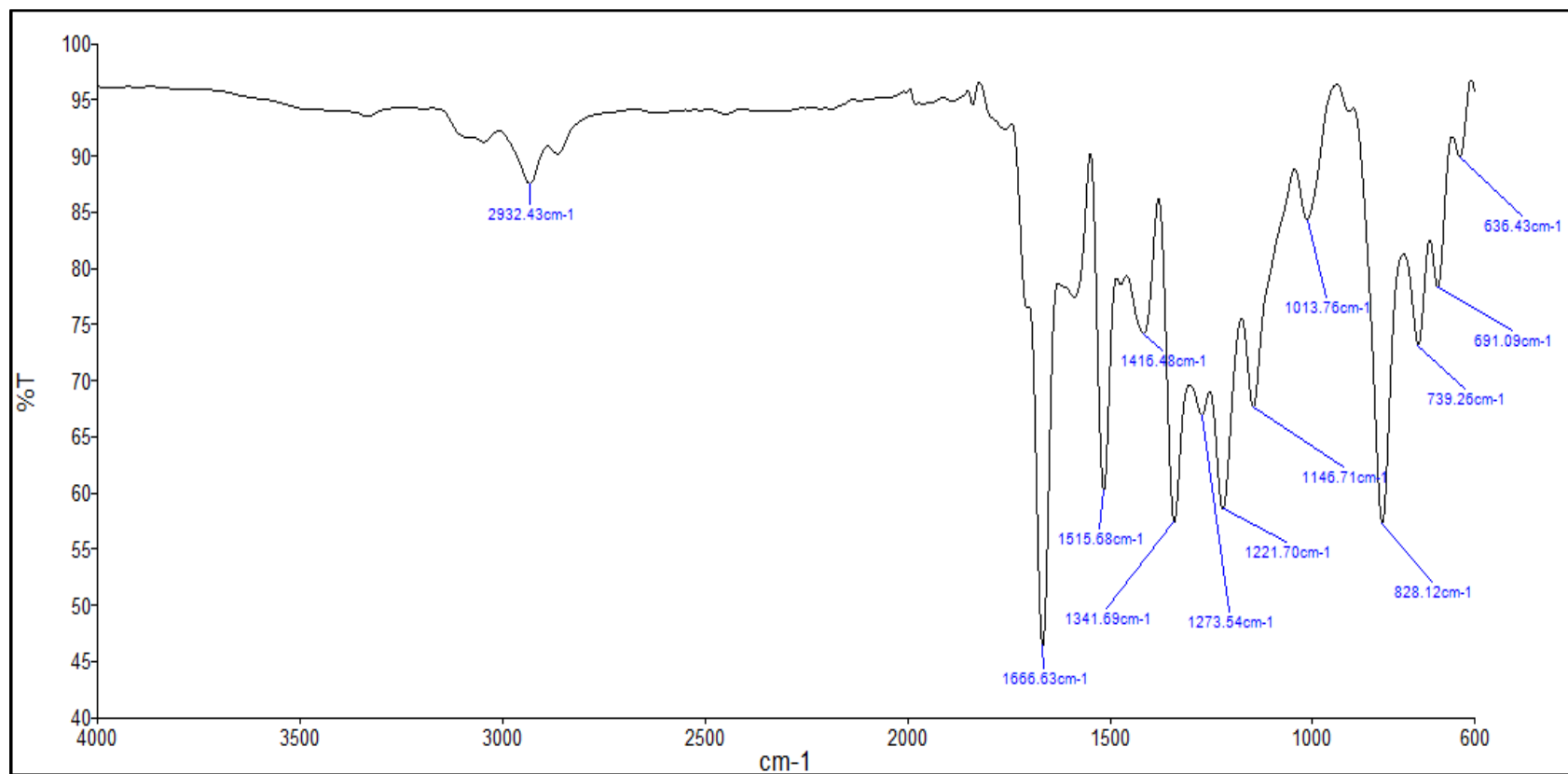


Figure S10. FTIR Spectrum for compound **4d**

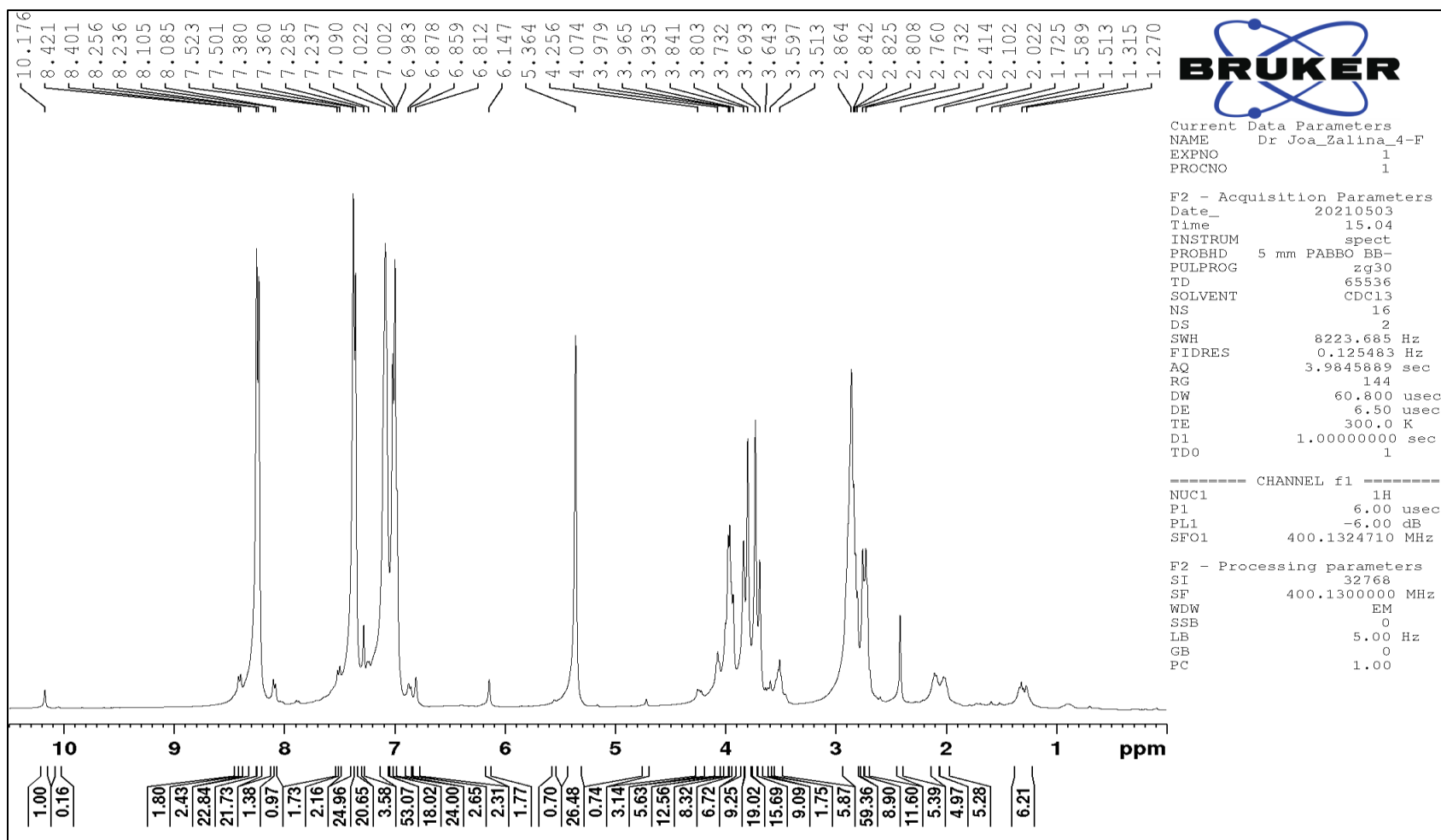


Figure S11. ¹H NMR Spectrum for compound **4d**

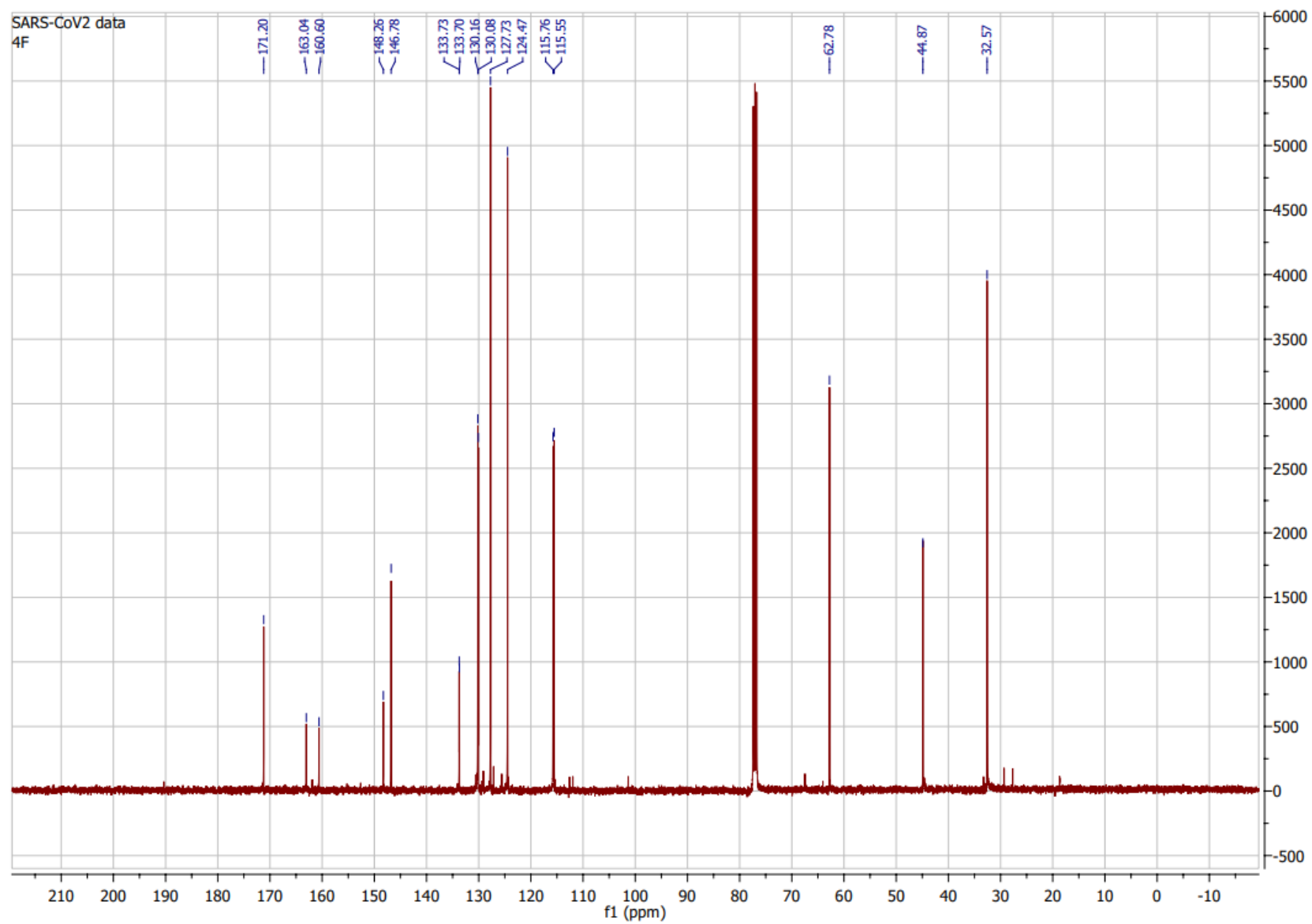


Figure S12. ^{13}C NMR Spectrum for compound **4d**

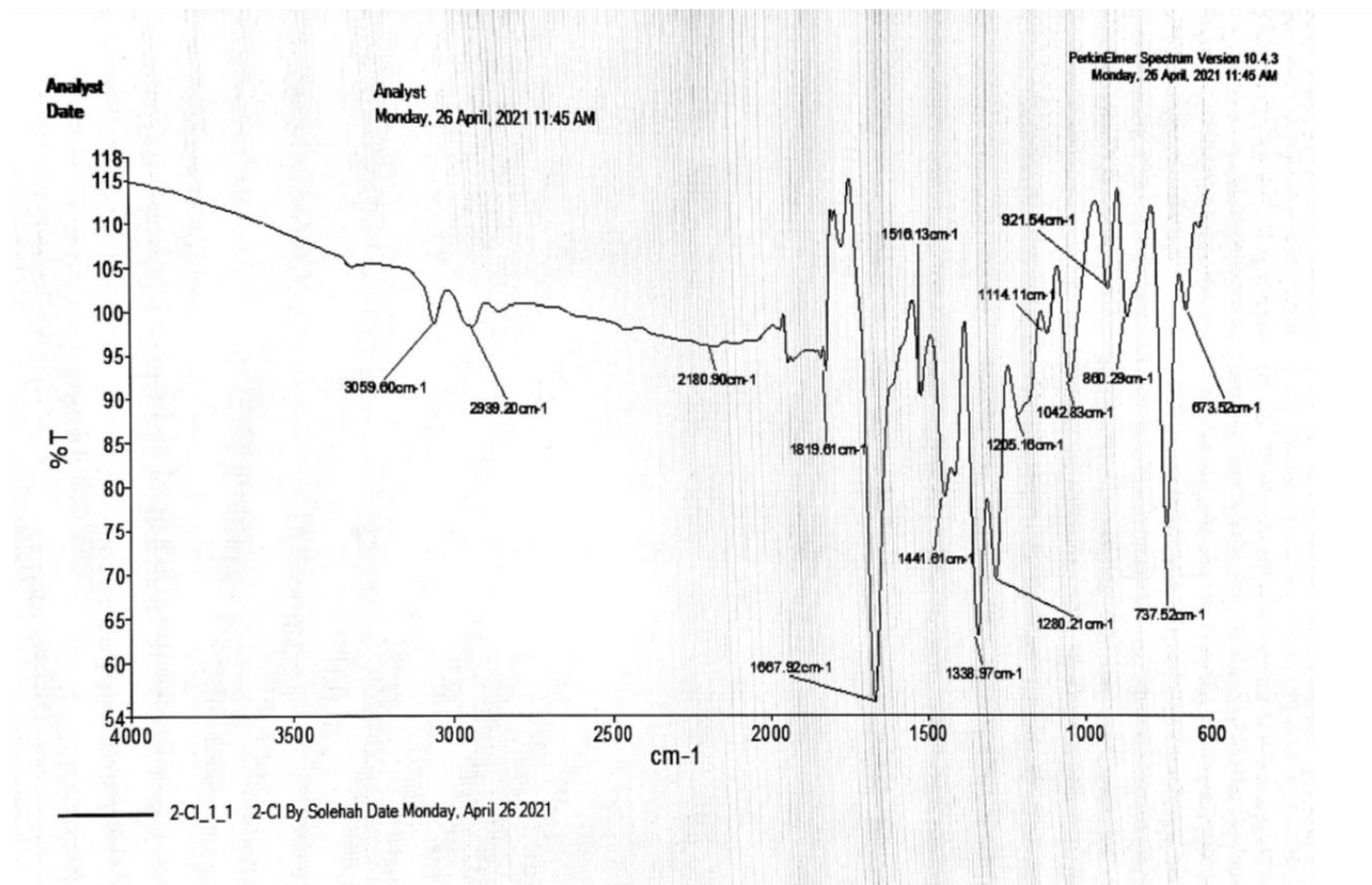


Figure S13. FTIR Spectrum for compound **4e**

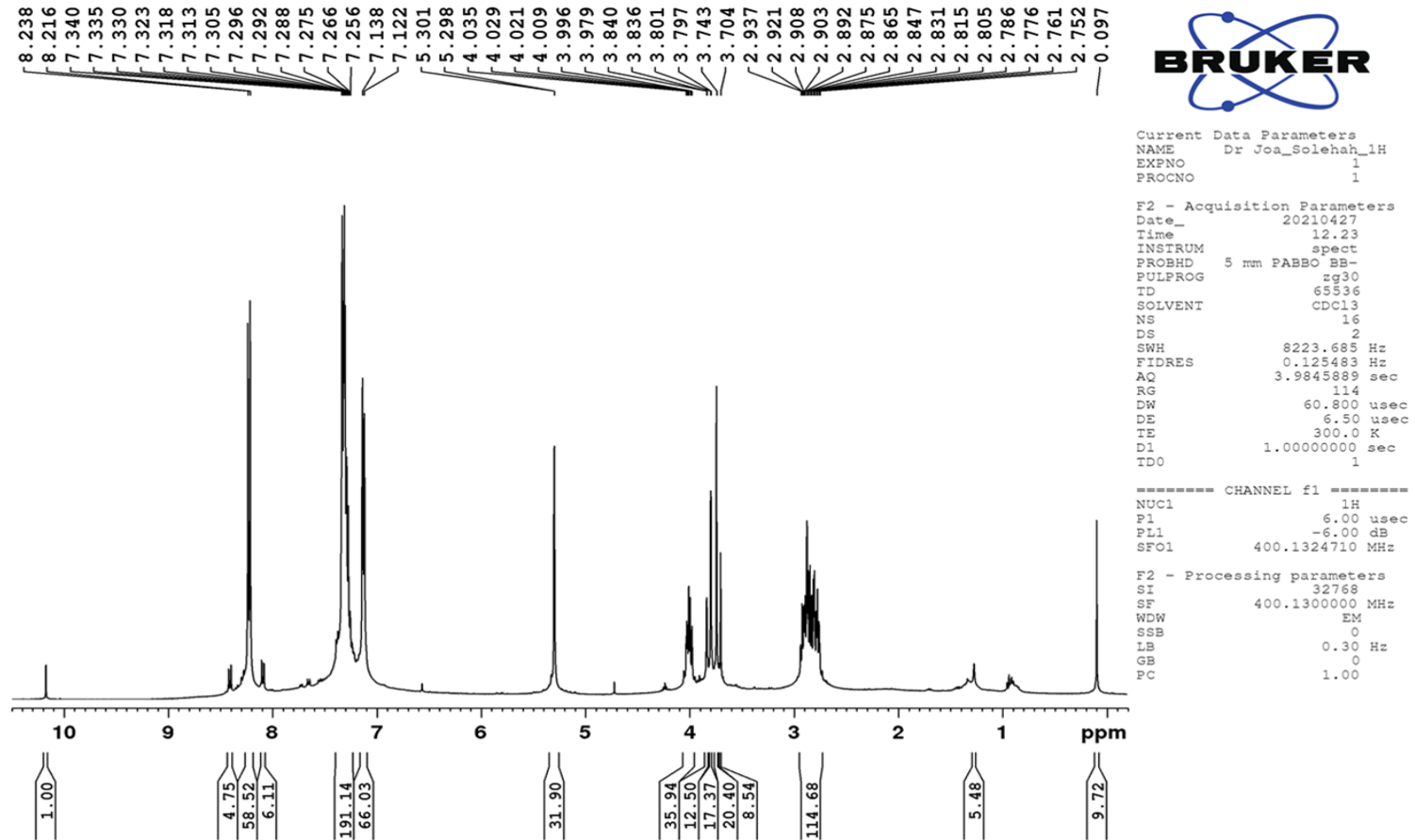


Figure S14. ^1H NMR Spectrum for compound **4e**

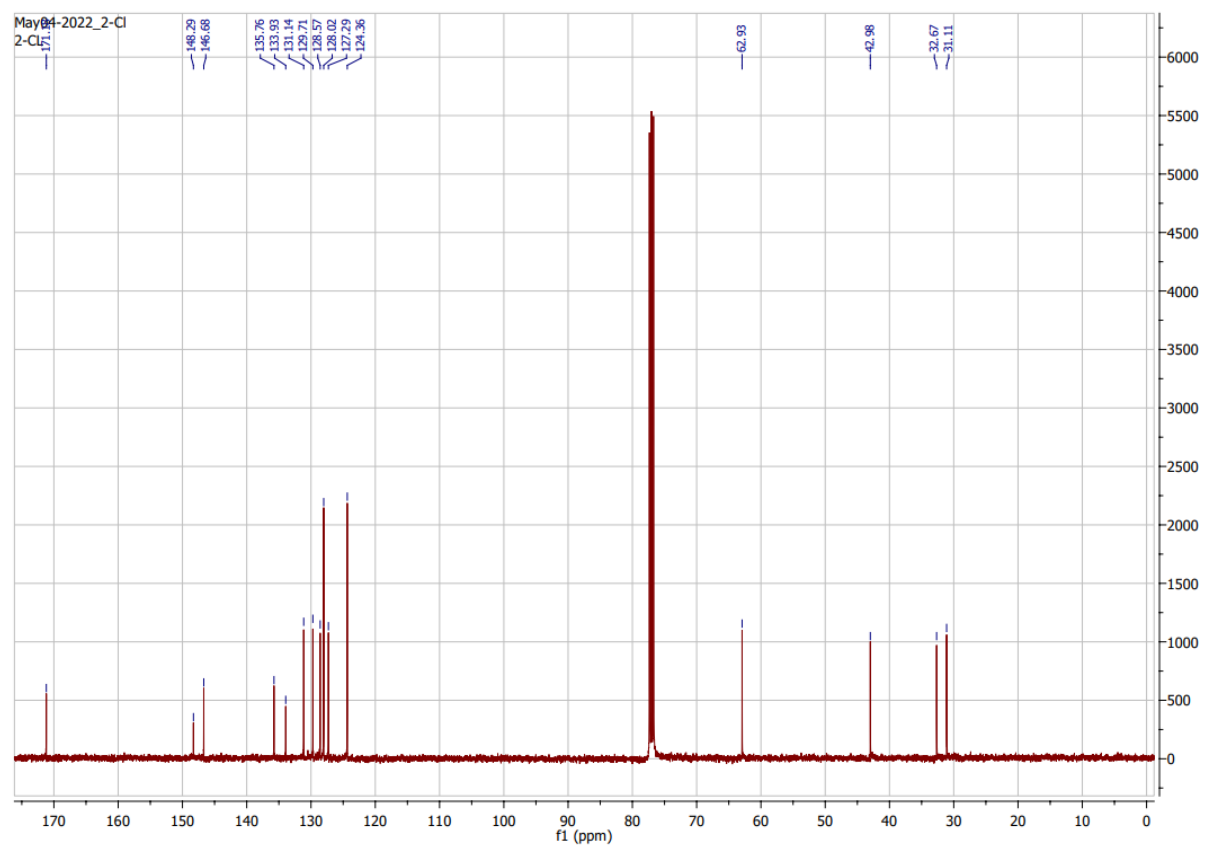


Figure S15. ^{13}C NMR Spectrum for compound **4e**

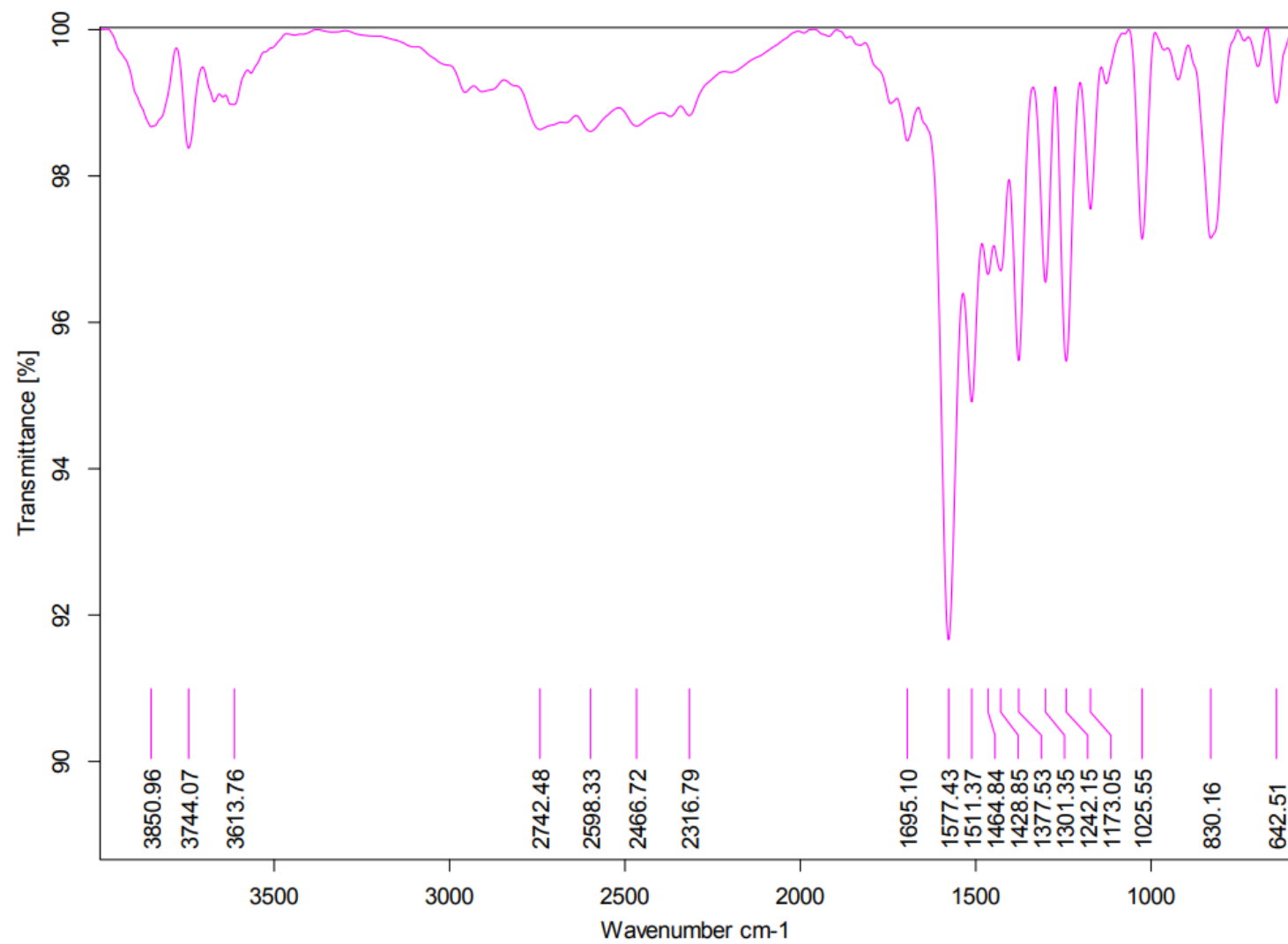


Figure S16. FTIR Spectrum for compound 4f

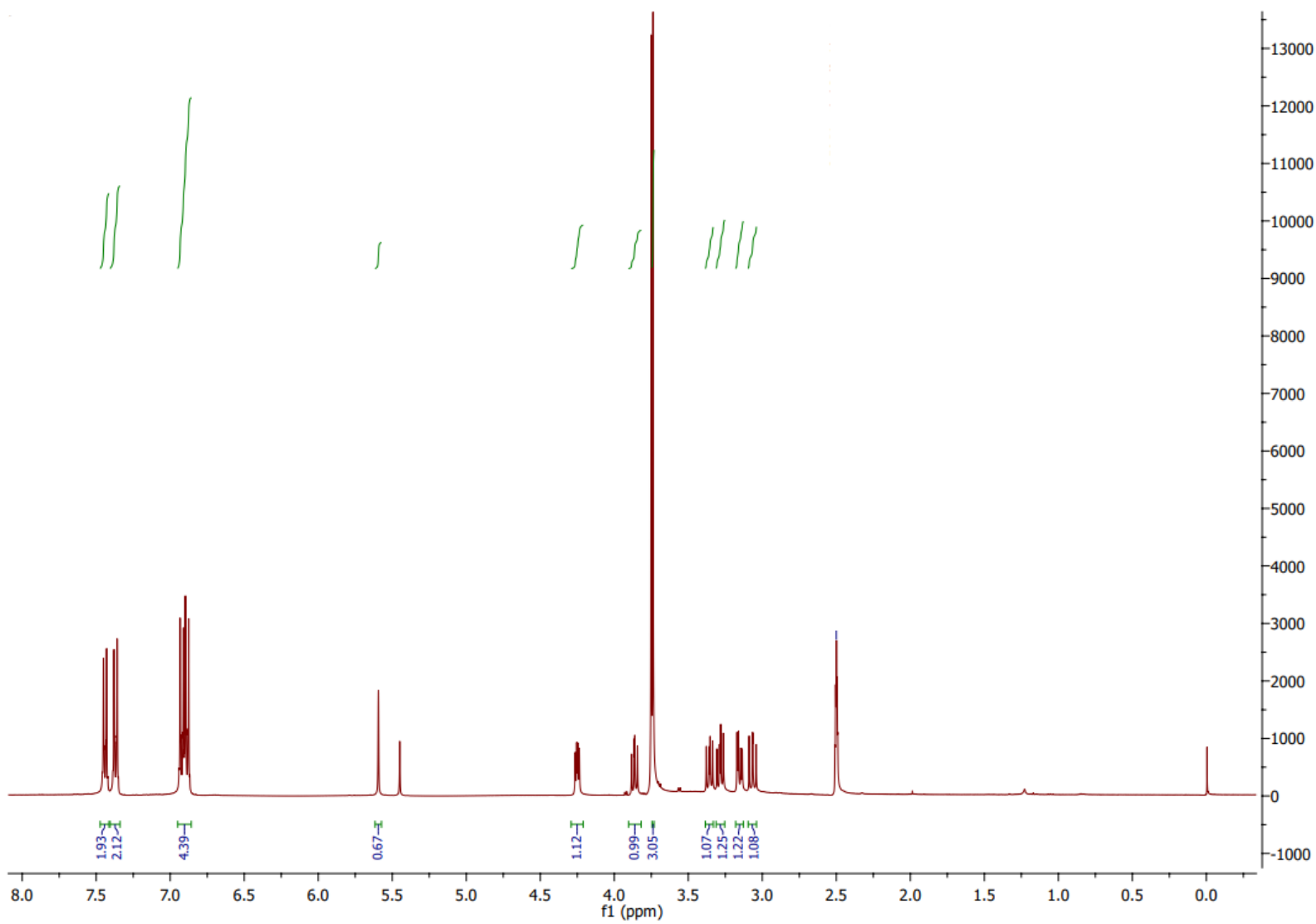


Figure S17. ^1H NMR Spectrum for compound 4f

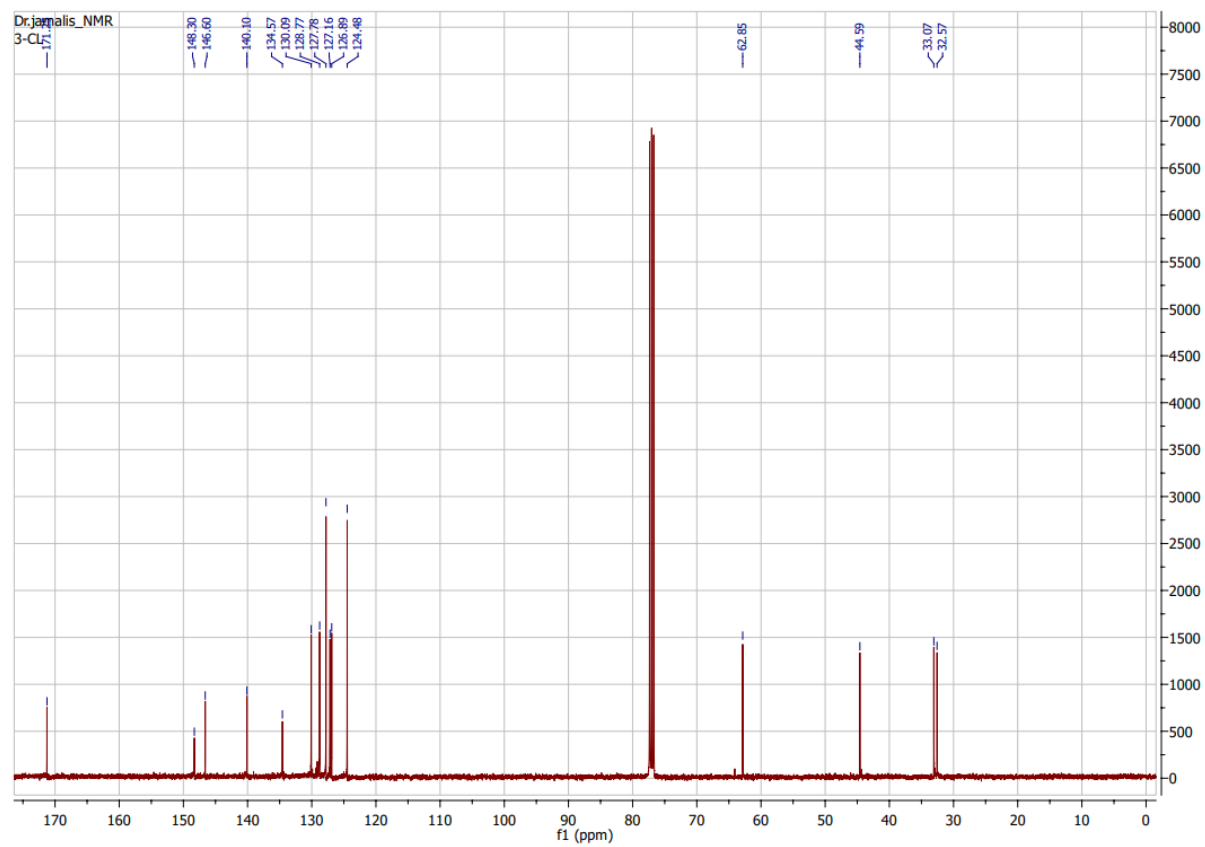


Figure S18. ^{13}C NMR Spectrum for compound **4f**

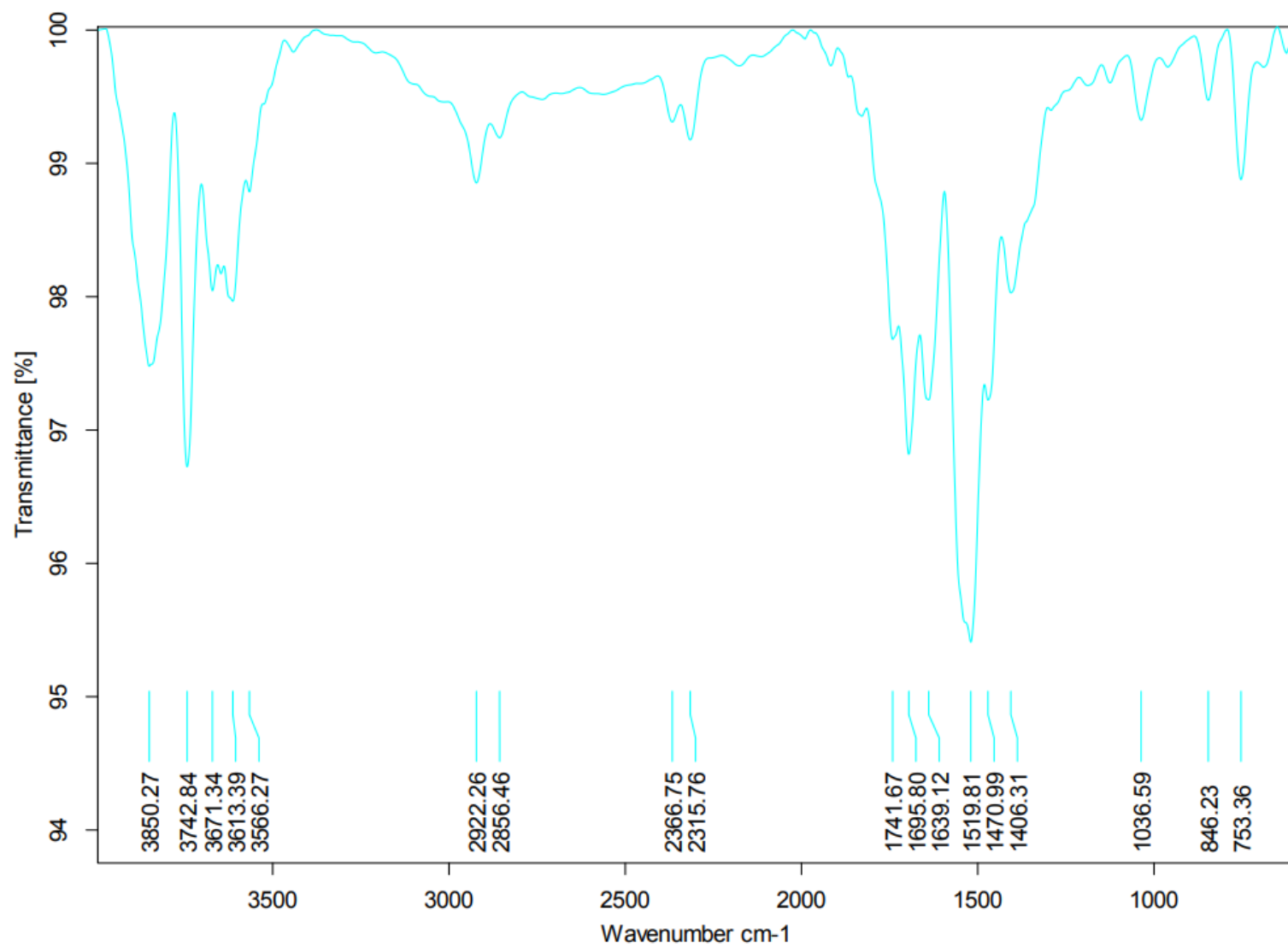


Figure S19. FTIR Spectrum for compound **4g**

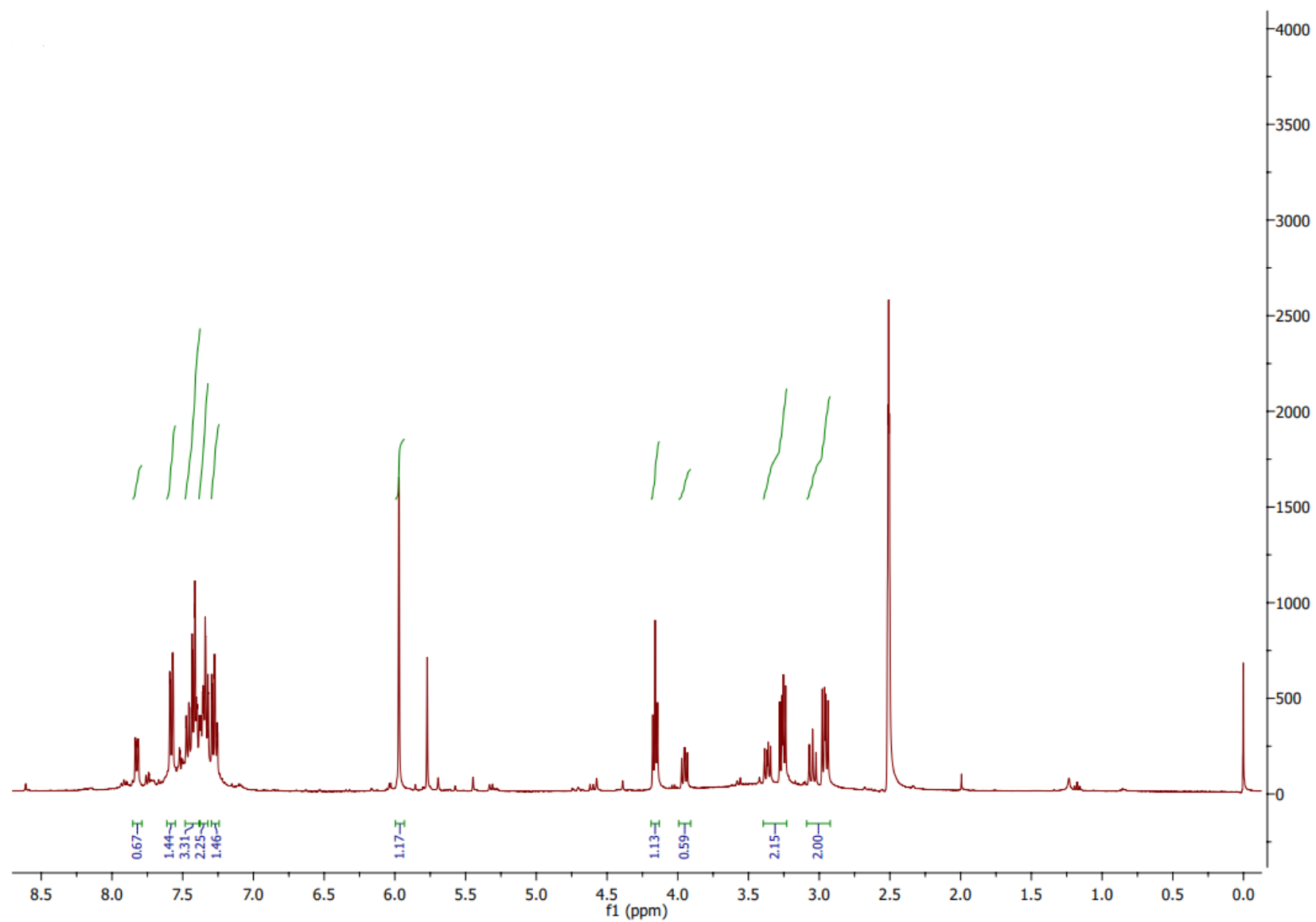


Figure S20. ^1H NMR Spectrum for compound **4g**

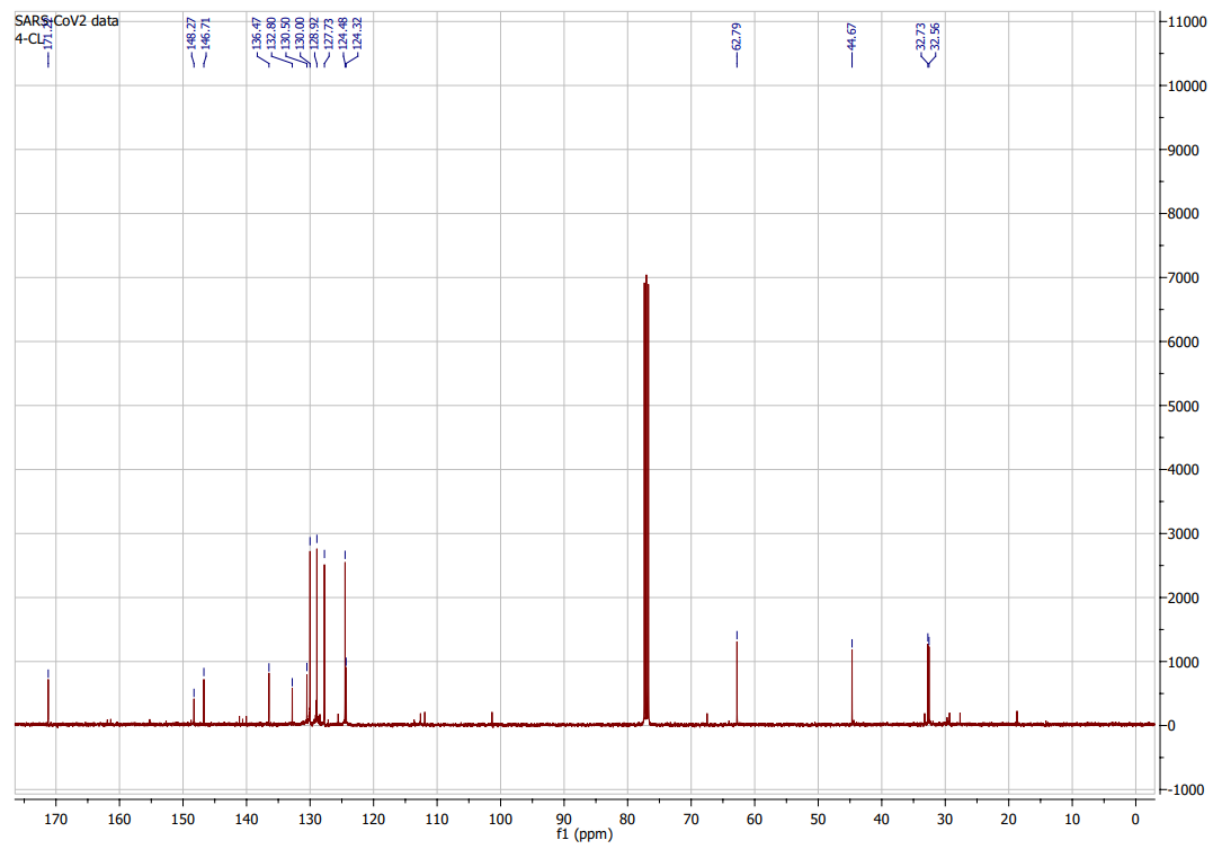


Figure S21. ^{13}C NMR Spectrum for compound **4g**

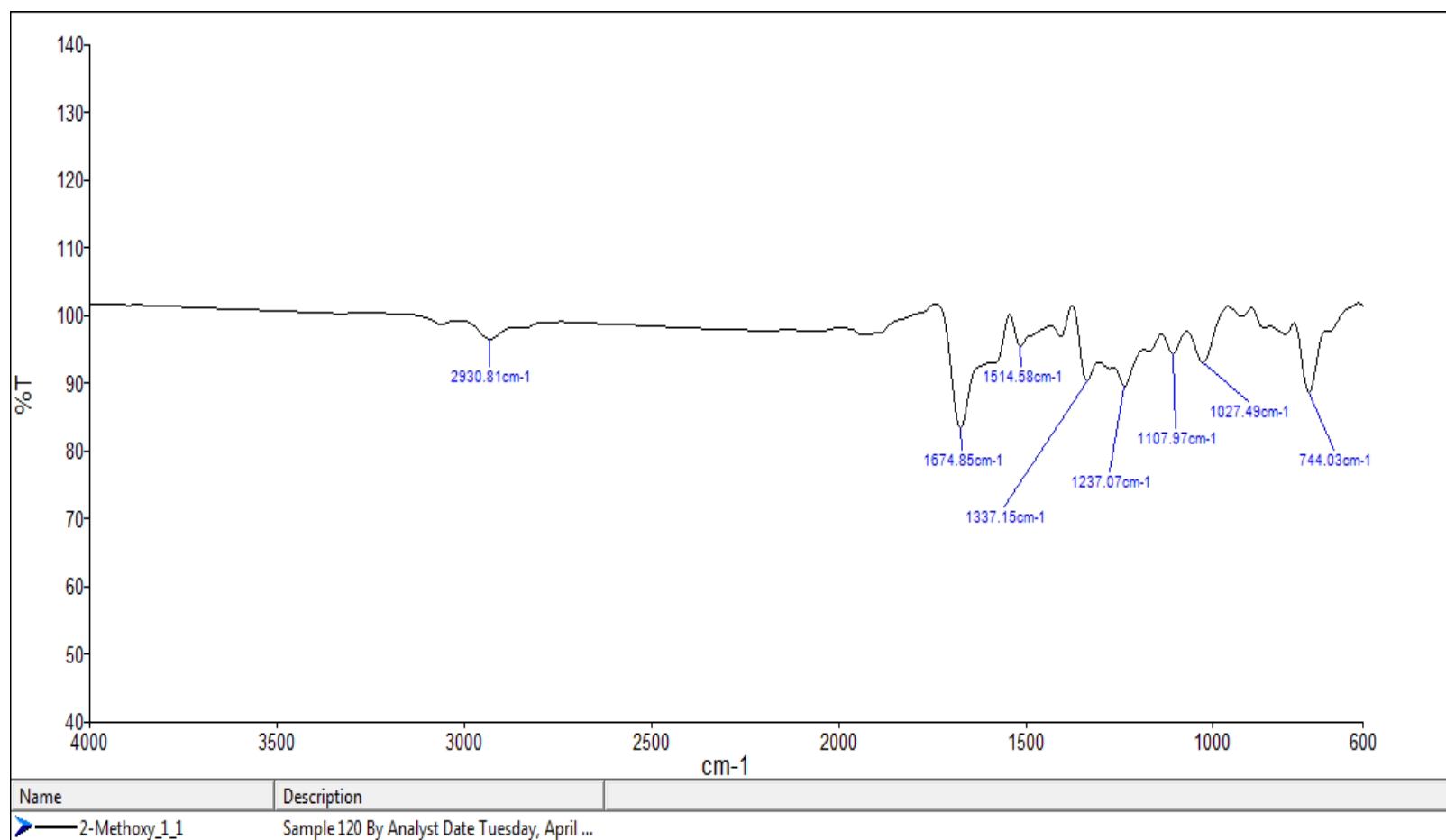
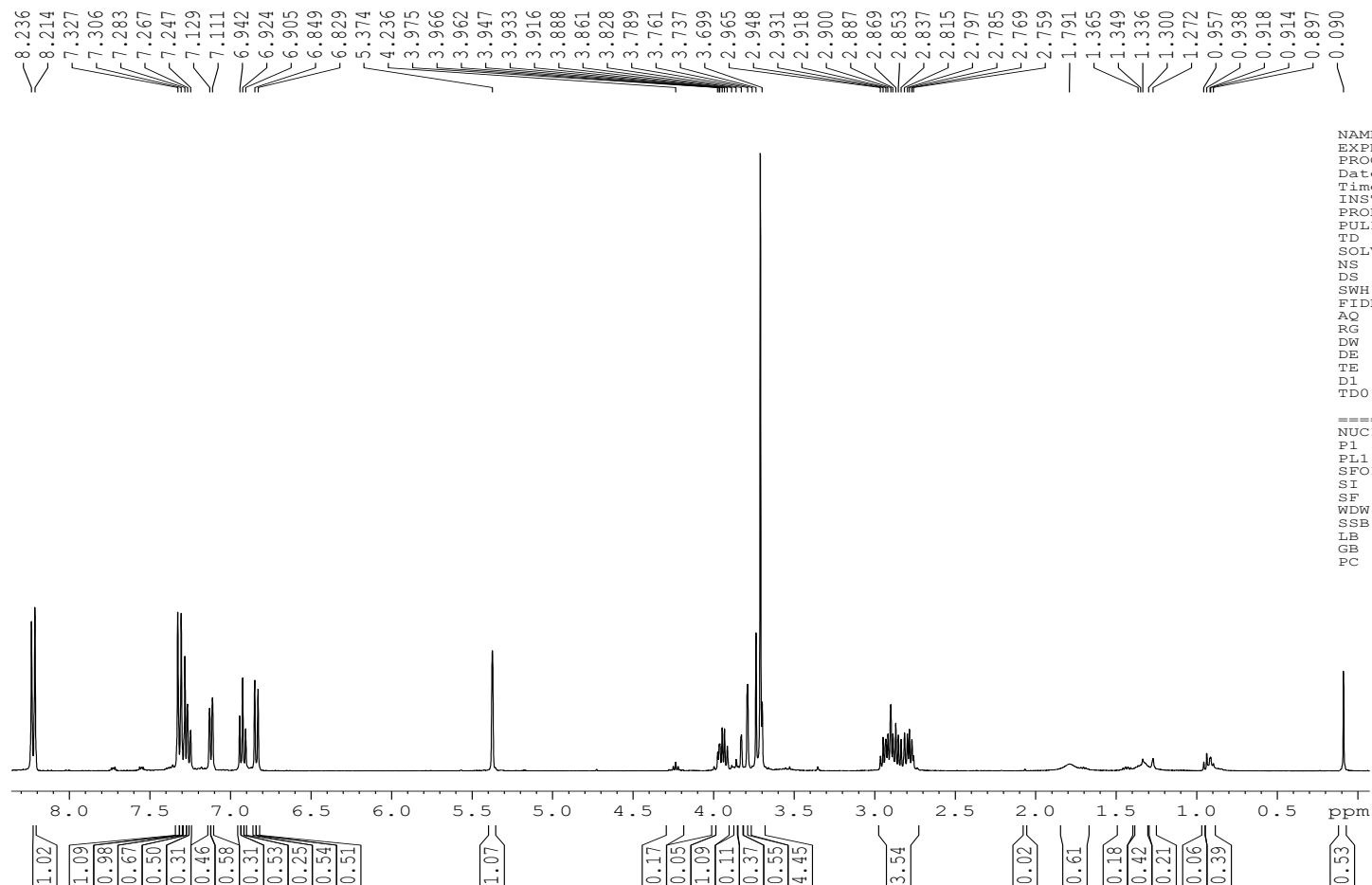


Figure S22. FTIR Spectrum for compound **4h**



```

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PROCNO    1
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PULPROG    zg30
TD         65536
SOLVENT    CDCl3
NS         16
DS         2
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FIDRES     0.125483 Hz
AQ         3.9846387 sec
RG         287
DW         60.800 usec
DE         6.50 usec
TE         300.0 K
D1         1.00000000 sec
TD0        1

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PL1        -6.00 dB
SFO1       400.1324710 MHz
SI         32768
SF         400.1300000 MHz
WDW        EM
SSB        0
LB         0.30 Hz
GB         0
PC         1.00

```

Figure S23. ^1H NMR Spectrum for compound **4h**

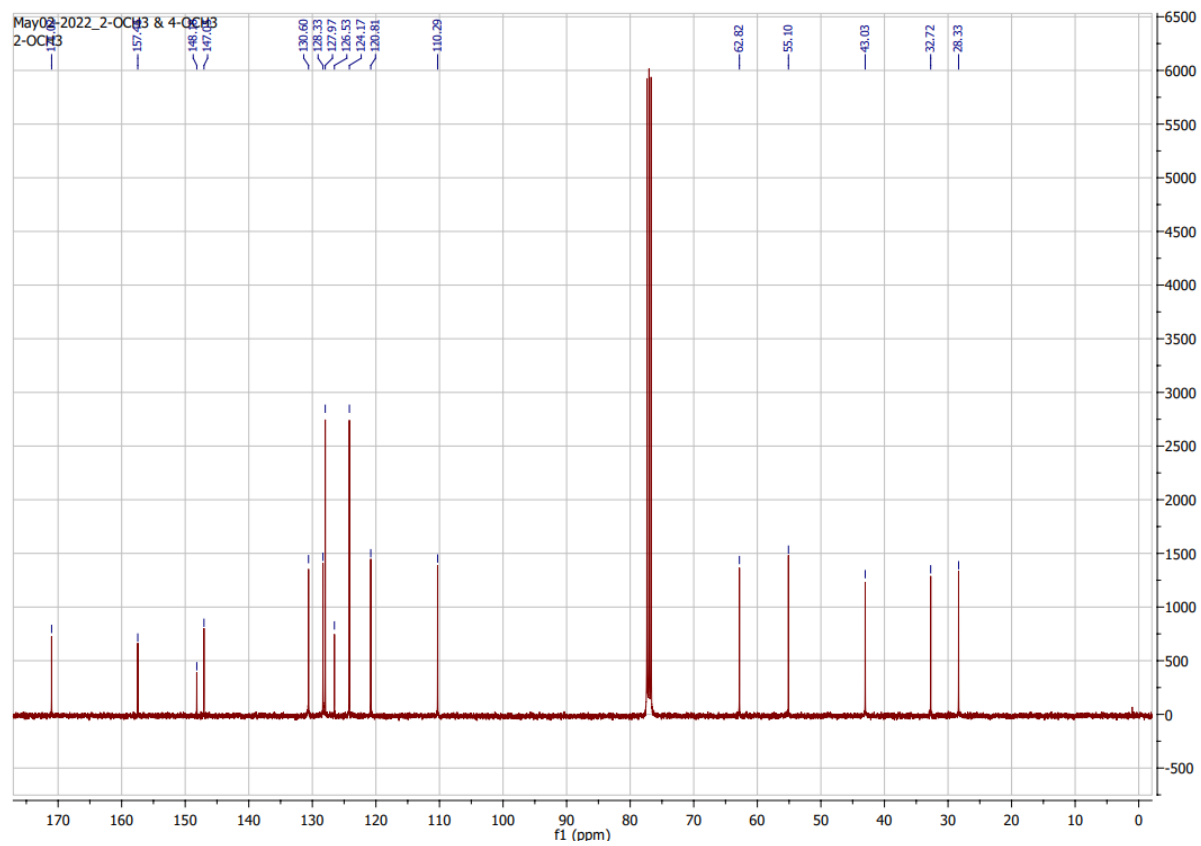


Figure S24. ^{13}C NMR Spectrum for compound **4h**

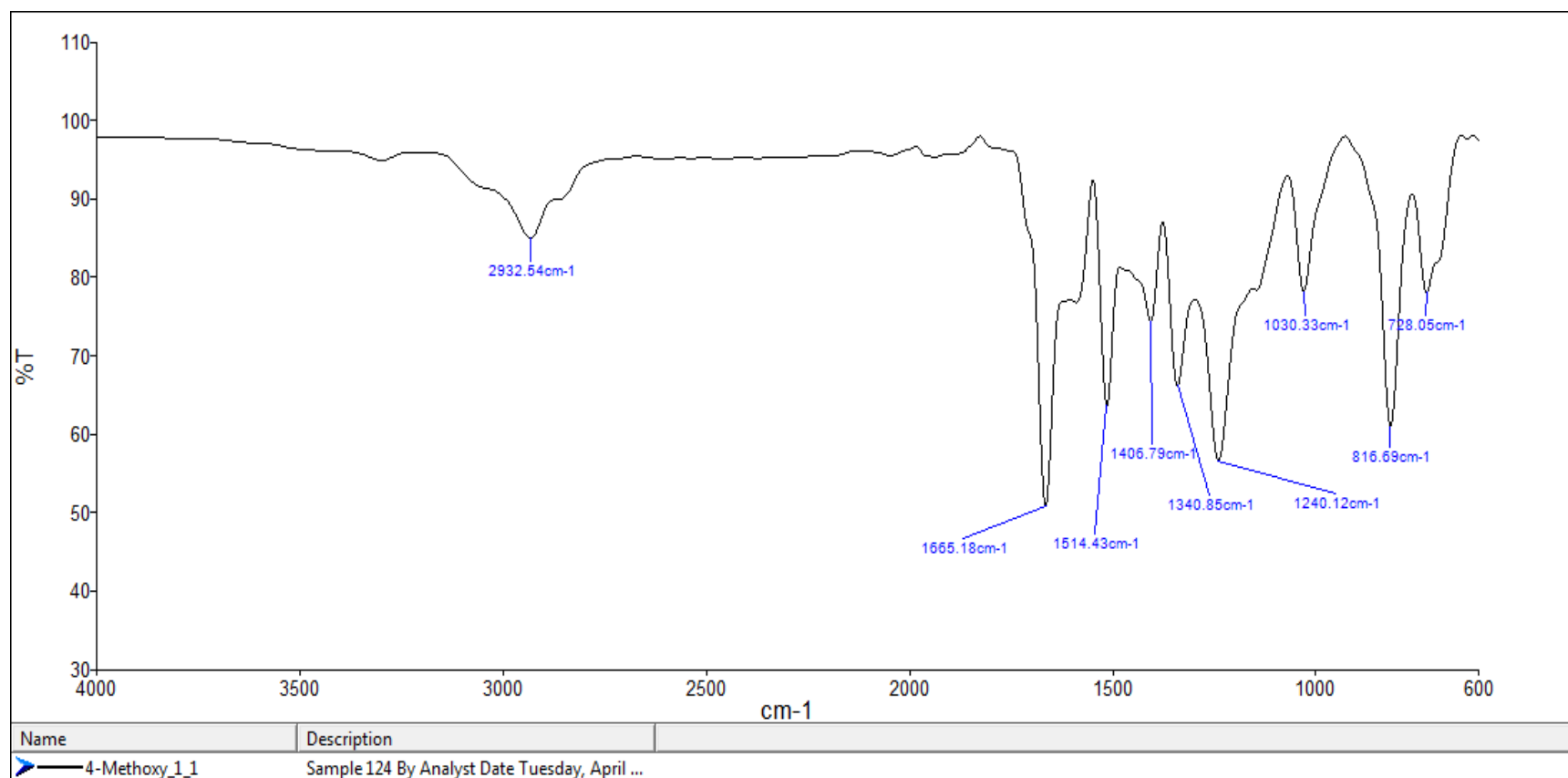
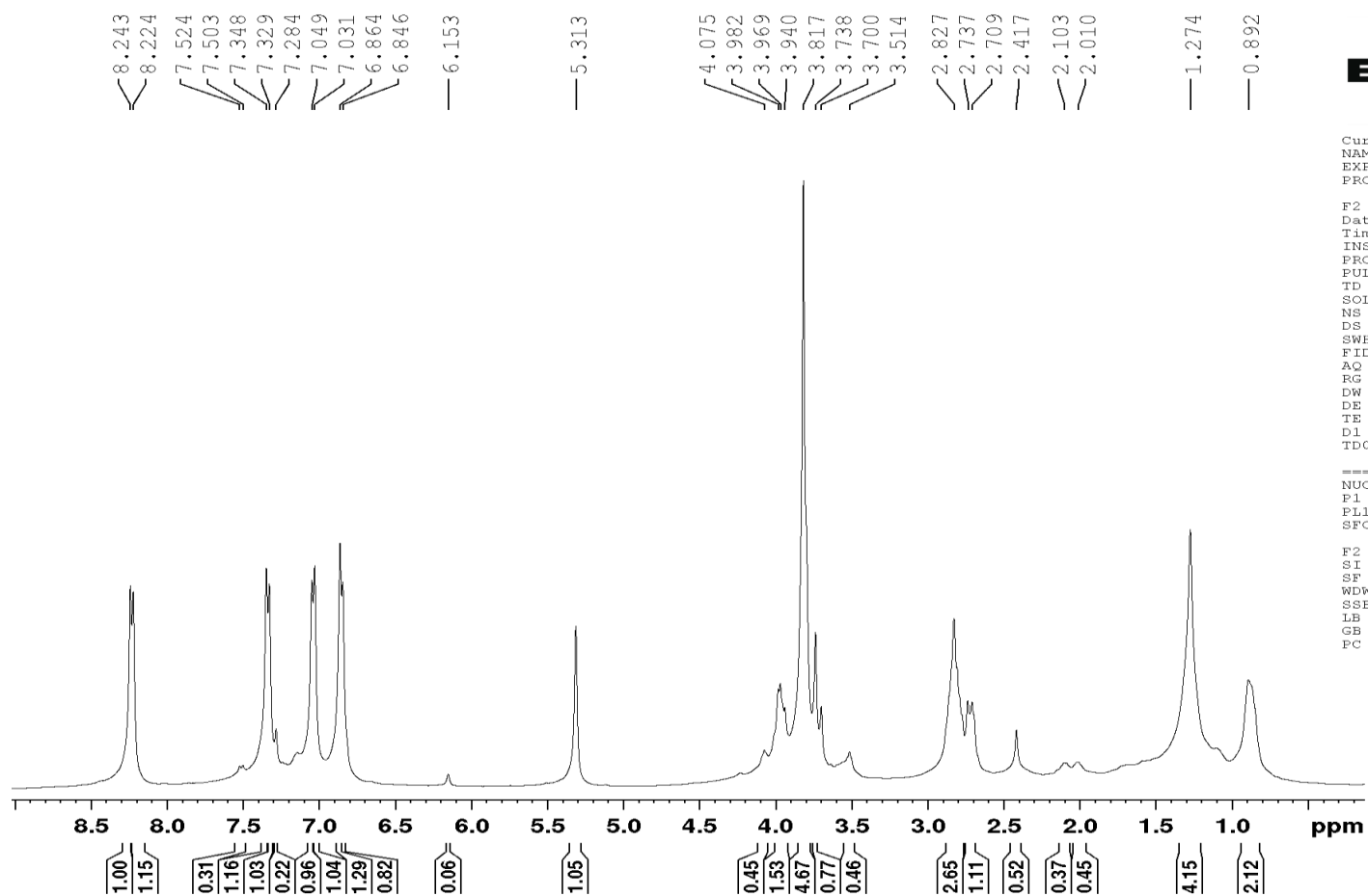


Figure S25. FTIR Spectrum for compound 4i



Current Data Parameters
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EXPNO 1
PROCNO 1

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PULPROG zg30
TD 65536
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SWH 8223.685 Hz
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DE 6.50 usec
TE 300.0 K
D1 1.00000000 sec
TDO 1

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PL1 -6.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
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LB 5.00 Hz
GB 0
PC 1.00

Figure S26. ¹H NMR Spectrum for compound **4i**

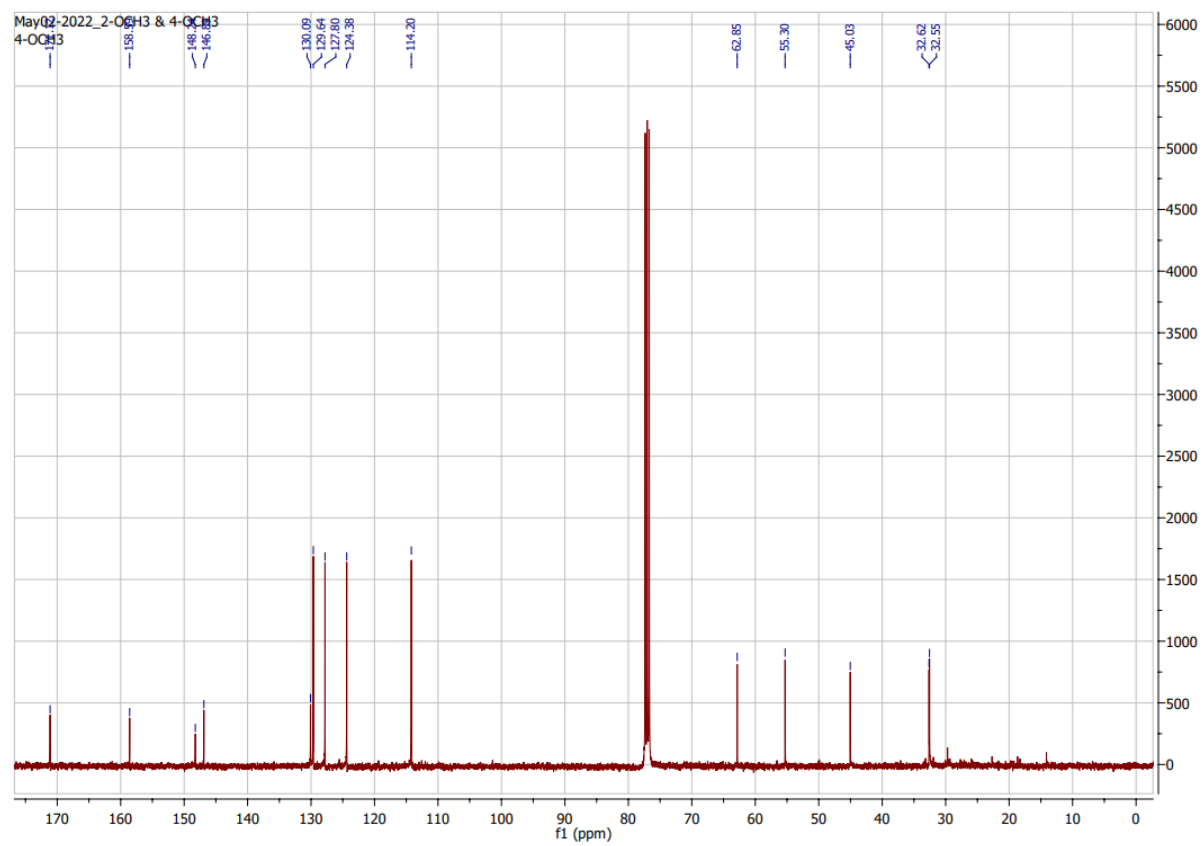


Figure S27 ^{13}C NMR Spectrum for compound **4i**