

MECHANOCHEMICAL RAPID SYNTHESIS OF NOVEL THIAZOLES LINKED TO 2H-CHROMEN-2-ONE MOIETY.

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Supporting Information

S1: NMR Charts

S1: NMR Charts of compounds 3a-f

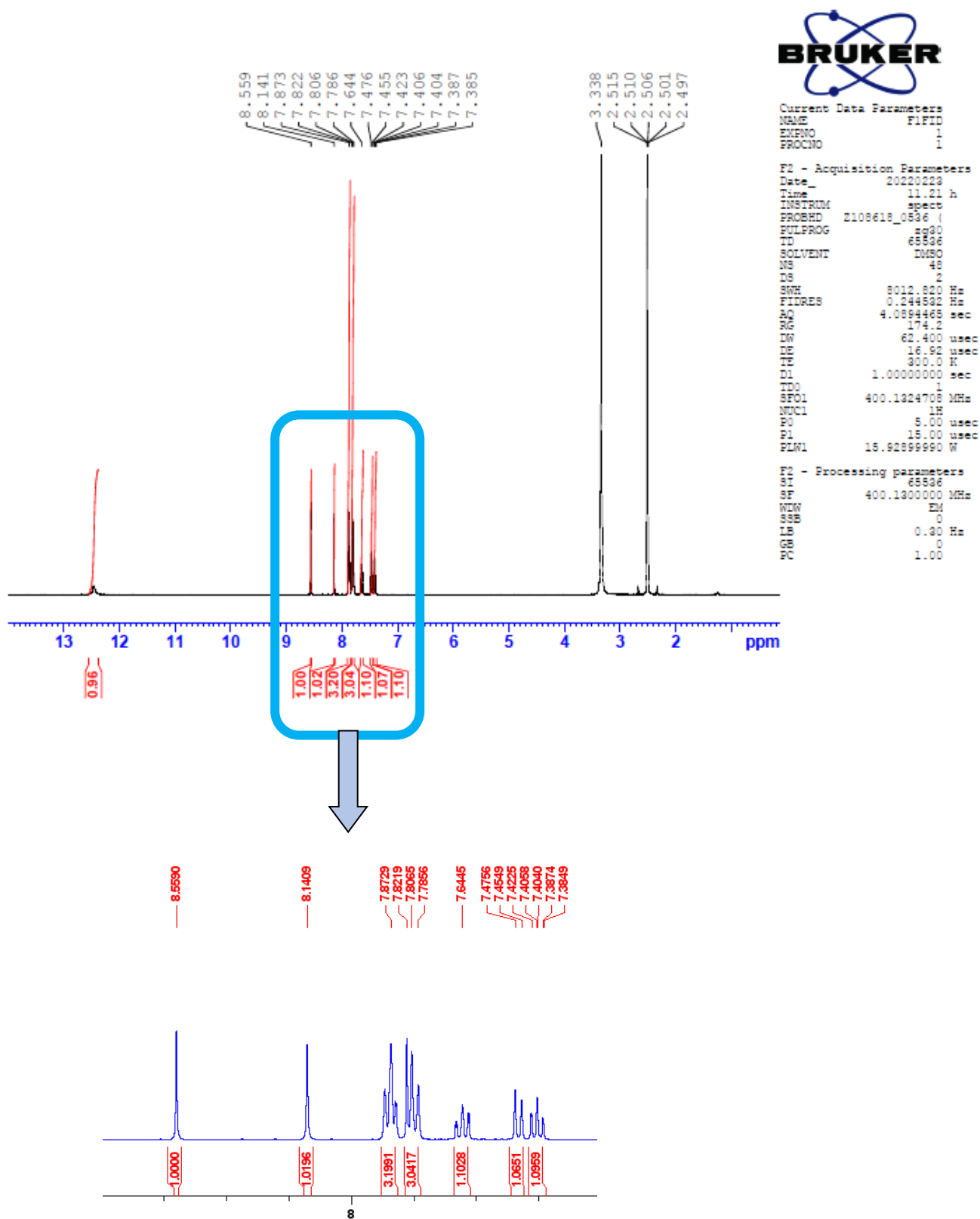


Figure S1.1: ¹H NMR of Compound 3a

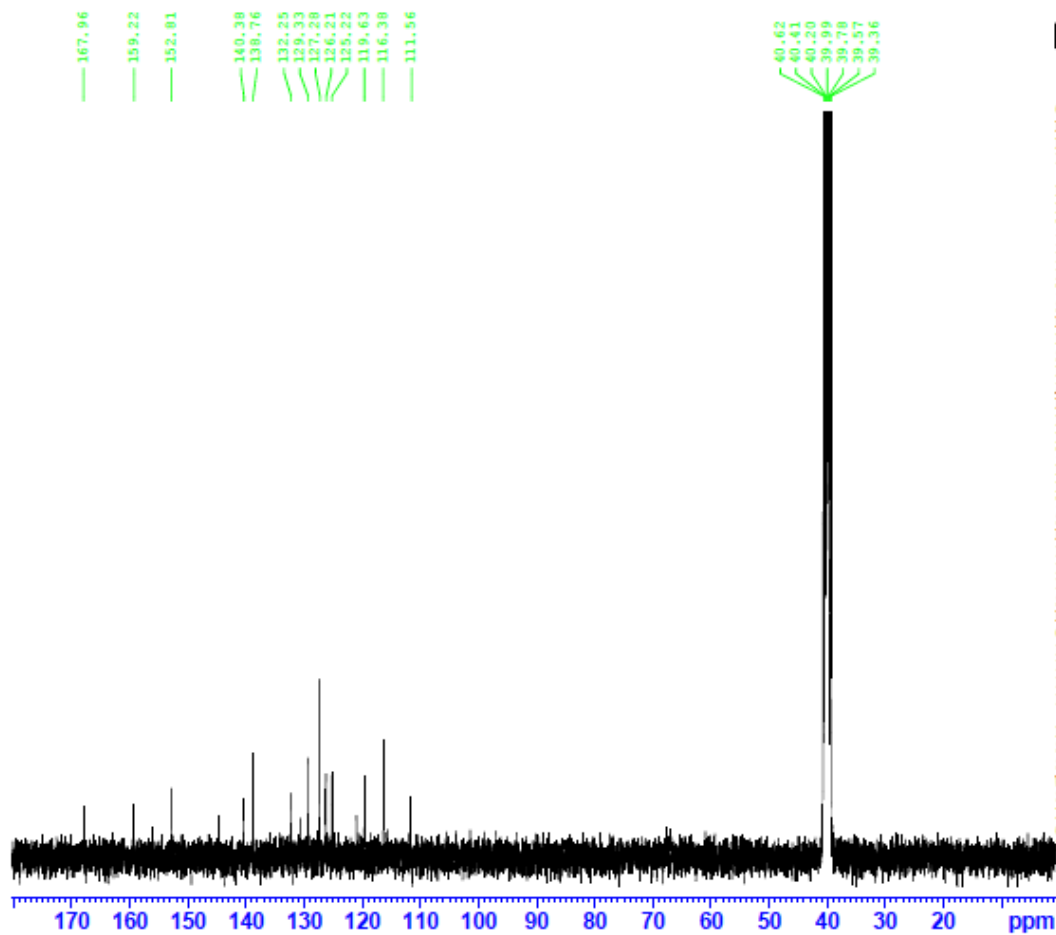
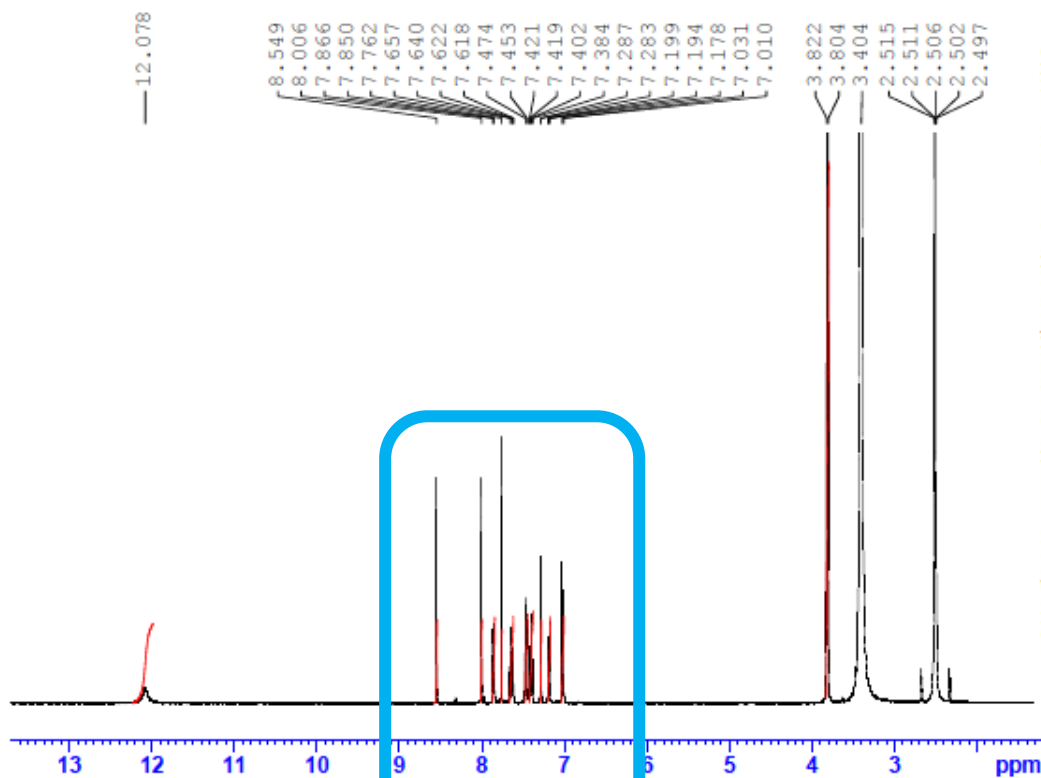


Figure S1.2: ^{13}C NMR of Compound 3a



Current Data Parameters
NAME F1FID
EXPMO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220223
Time_ 13.27 h
INSTRUM spect
PROBHD Z108618_0536 4
PULPROG zg30
ID 68826
SOLVENT DMSO
NS 48
DS 2
SWH 8012.820 Hz
FIDRES 0.244832 Hz
AQ 4.0894468 sec
RG 167.886
SFO 62.400 usec
WDW 16.92 usec
SSB 300.0 Hz
GB 1.00000000 sec
PC 1
SFO1 400.1324708 MHz
NUC1 1H
PC 8.00 usec
PI 18.00 usec
PLW1 15.92899990 W

F2 - Processing parameters
SFO 400.1300000 MHz
EM 0
WDW 0
SSB 0
GB 0.30 Hz
PC 1.00

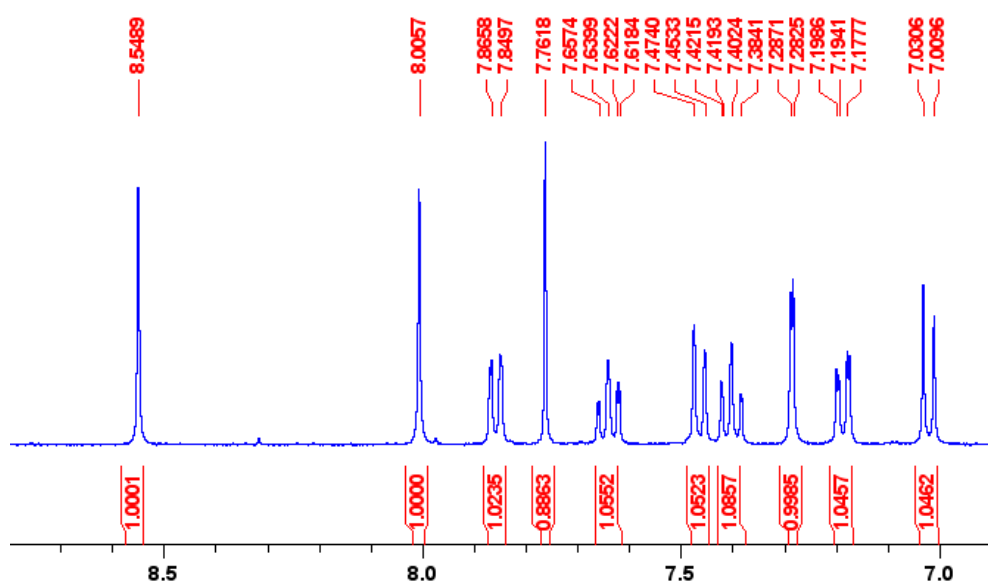
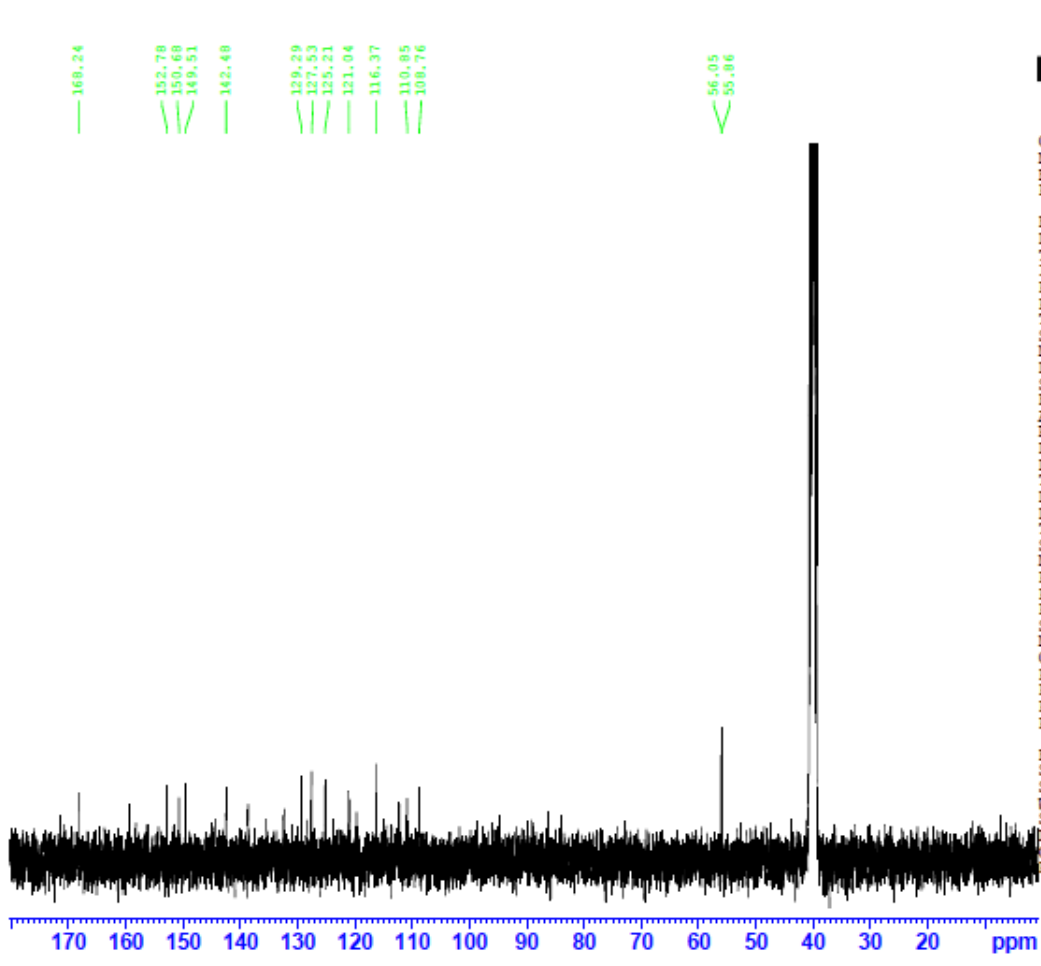


Figure S1.3: ¹H NMR of Compound 3b



Current Data Parameters
NAME F1FD
EXNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220223
Time_ 15.25 h
INSTRUM spect
PROBHD Z108618_0526
PULPROG zgpg30
TD 655326
SOLVENT DMSO
NS 2048
DS 4
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 1.3631488 sec
RG 197.59
DW 20.800 usec
DE 6.50 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TDO 1
SFO1 100.6228289 MHz
NUCL1 13C
P0 3.33 usec
P1 10.00 usec
PLW1 58.76499939 W
SFO2 400.1316005 MHz
NUCL2 1H
CPDPRG2 waltz16
PCPD2 90.00 usec
PLW2 15.92899990 W
PLW12 0.44248000 W
PLW13 0.22256000 W

F2 - Processing parameters
SI 32768
SF 100.6127685 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Figure S1.4: ¹³C NMR of Compound 3b

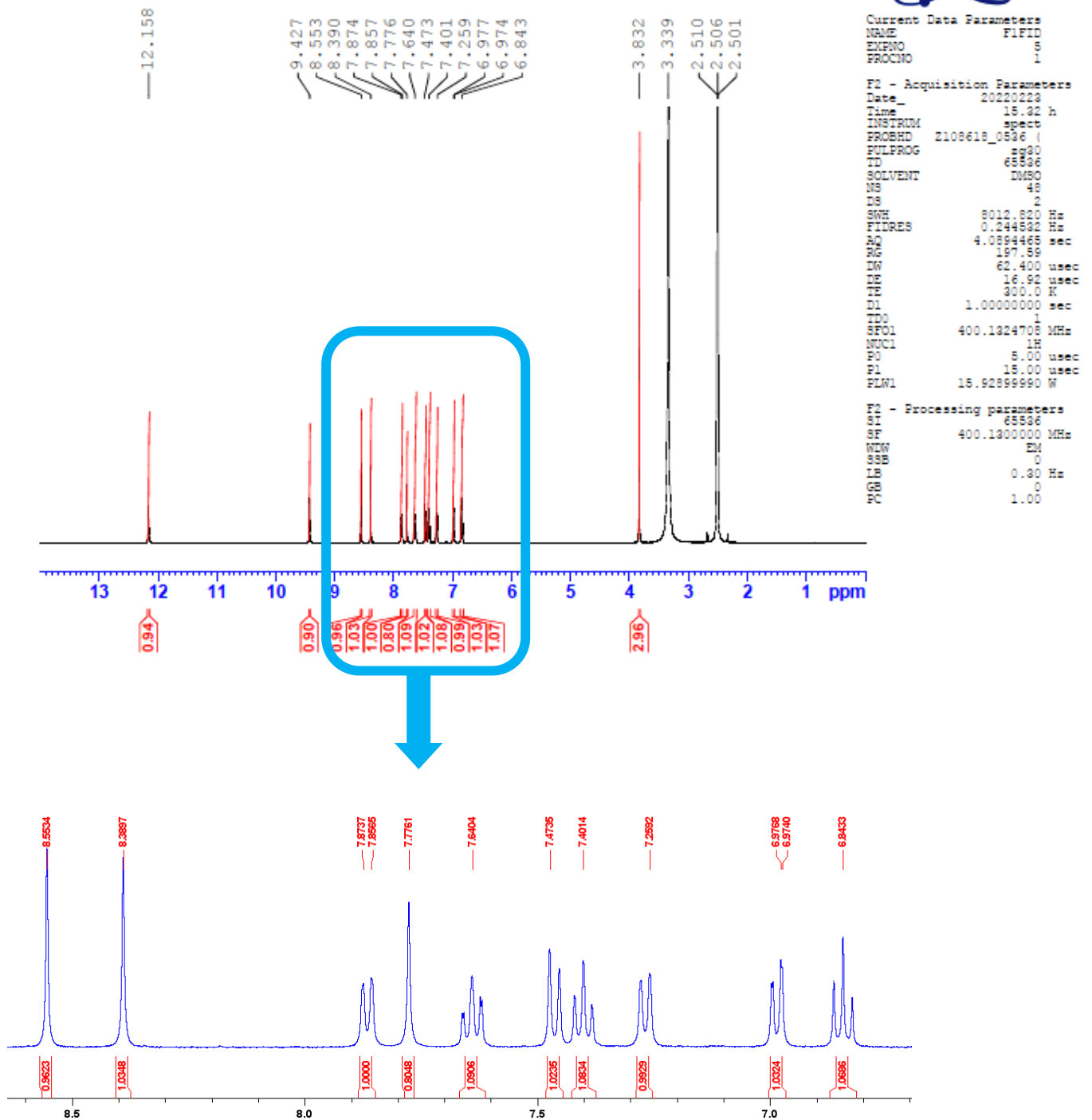


Figure S1.5: ^1H NMR of Compound 3c

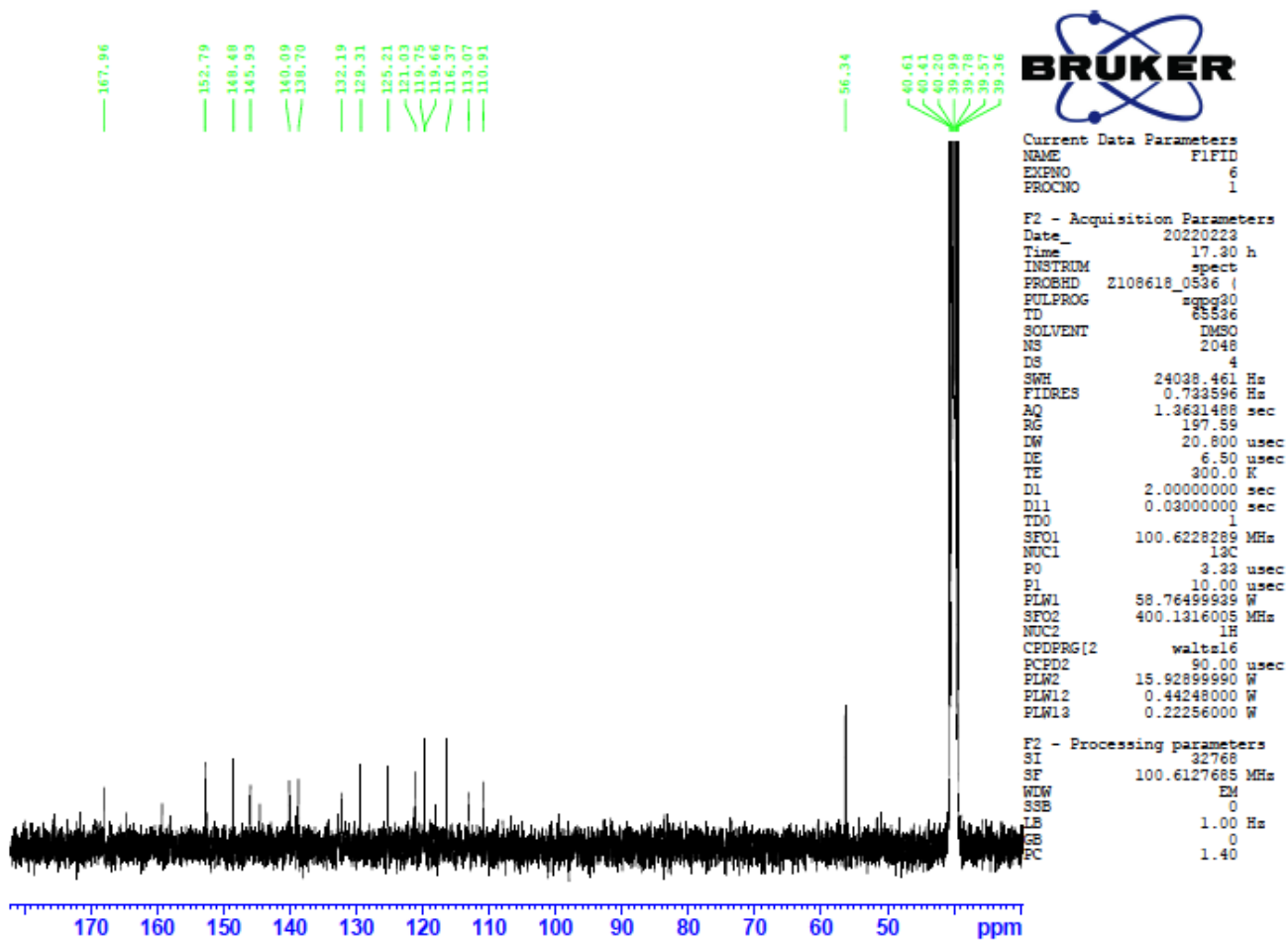


Figure S1.6: ¹³C NMR of Compound 3c

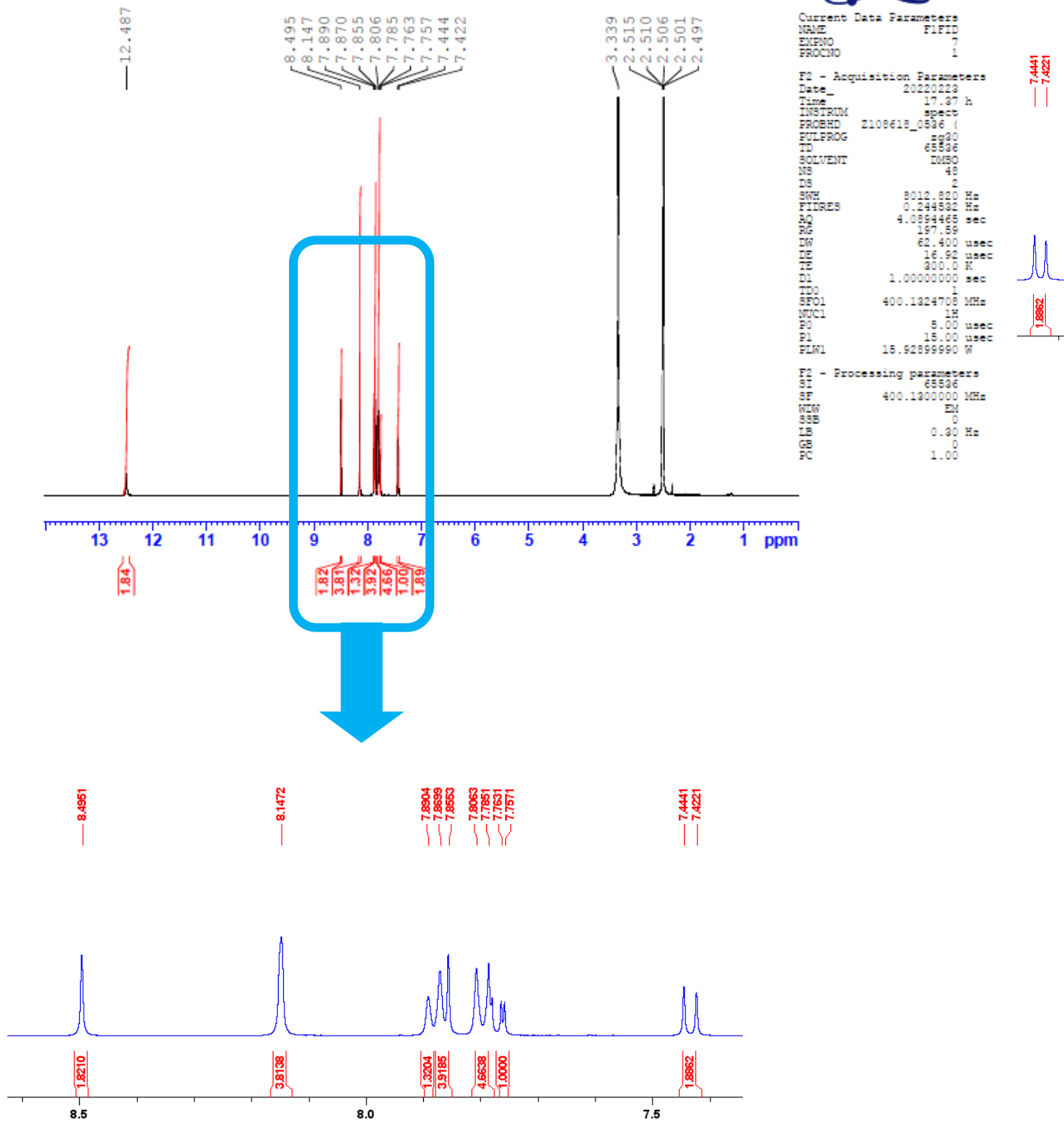


Figure S1.7: ¹H NMR of Compound 3d

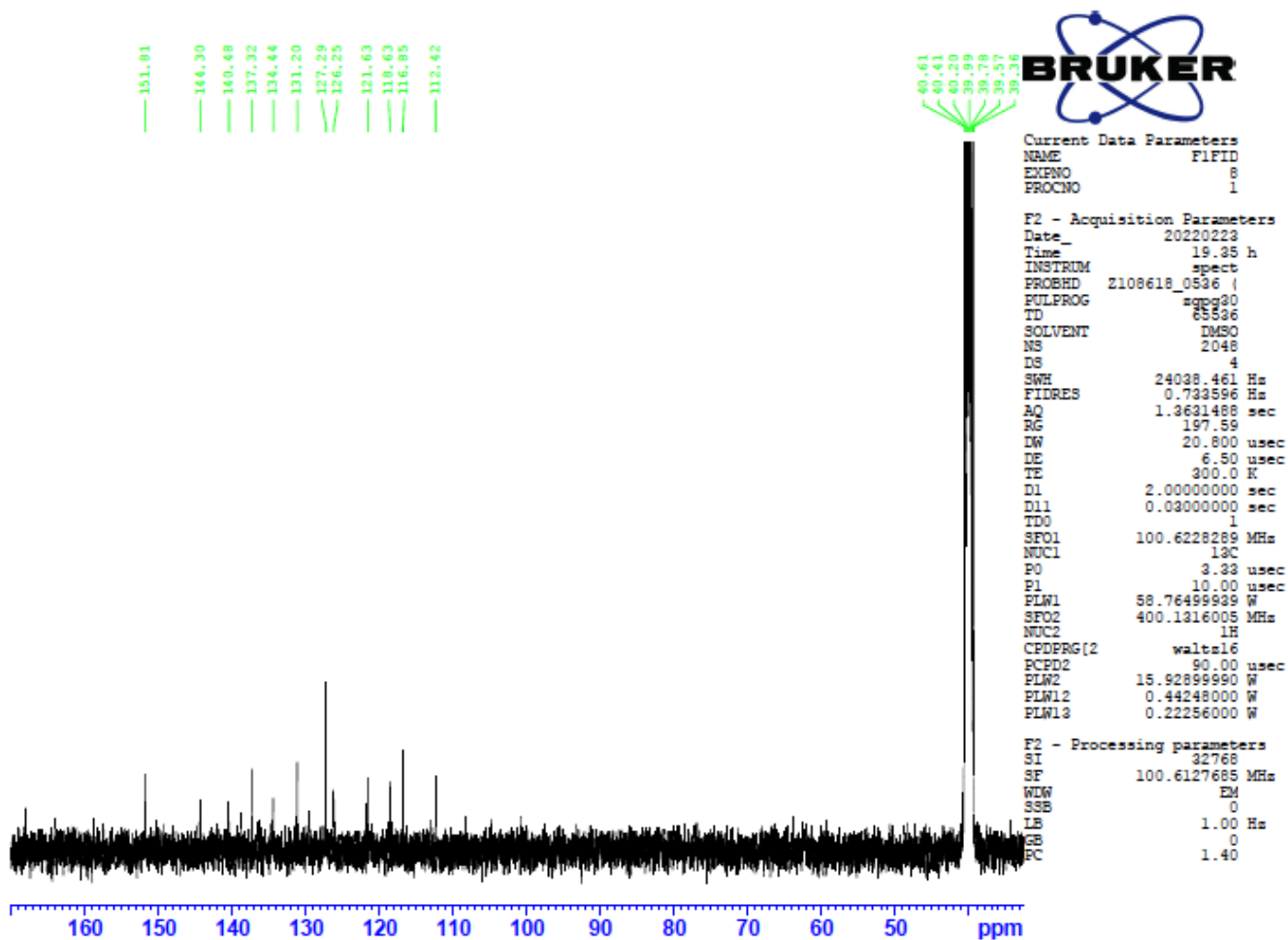


Figure S1.8: ^{13}C NMR of Compound 3d

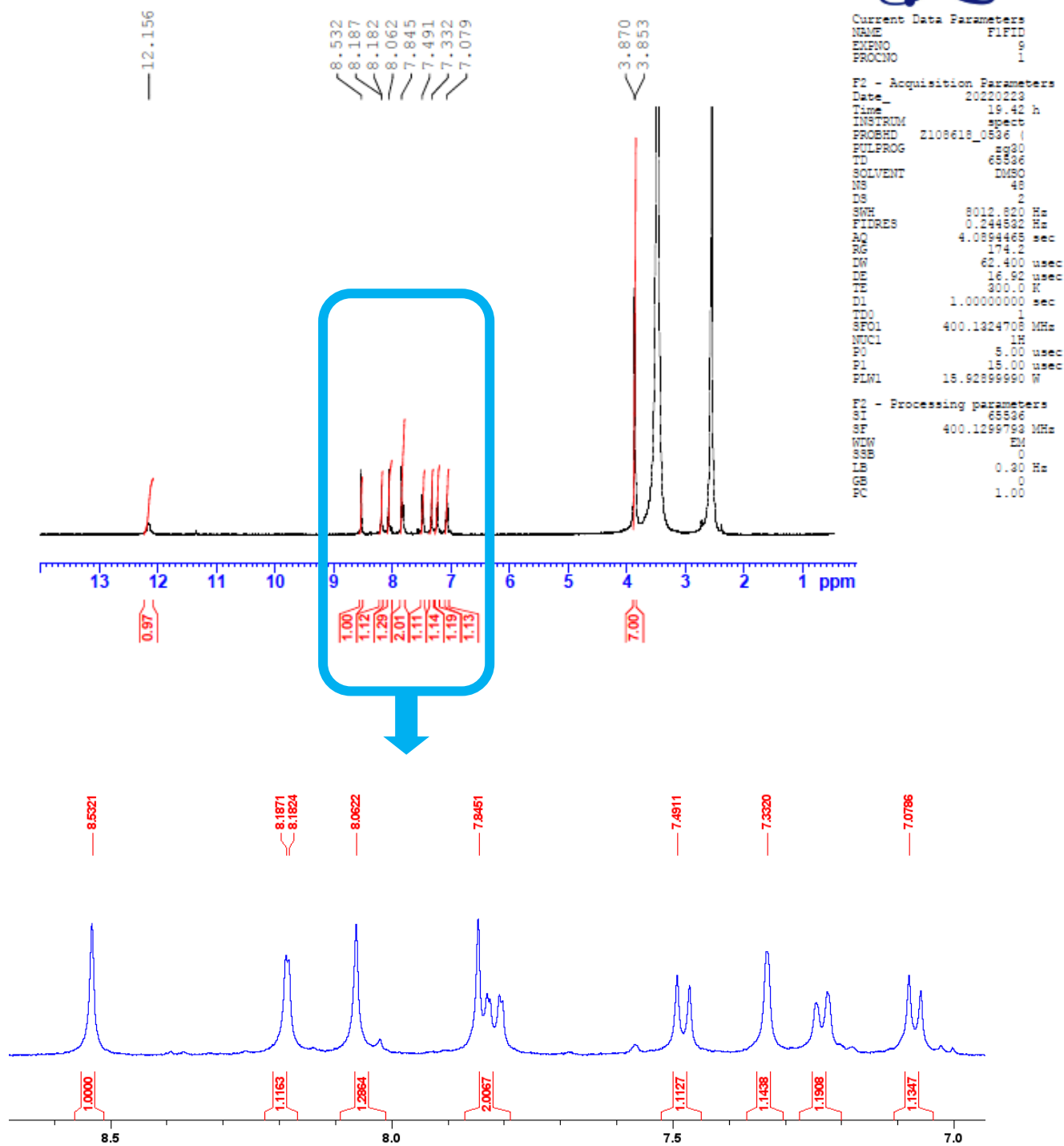


Figure S1.9: ¹H NMR of Compound 3e

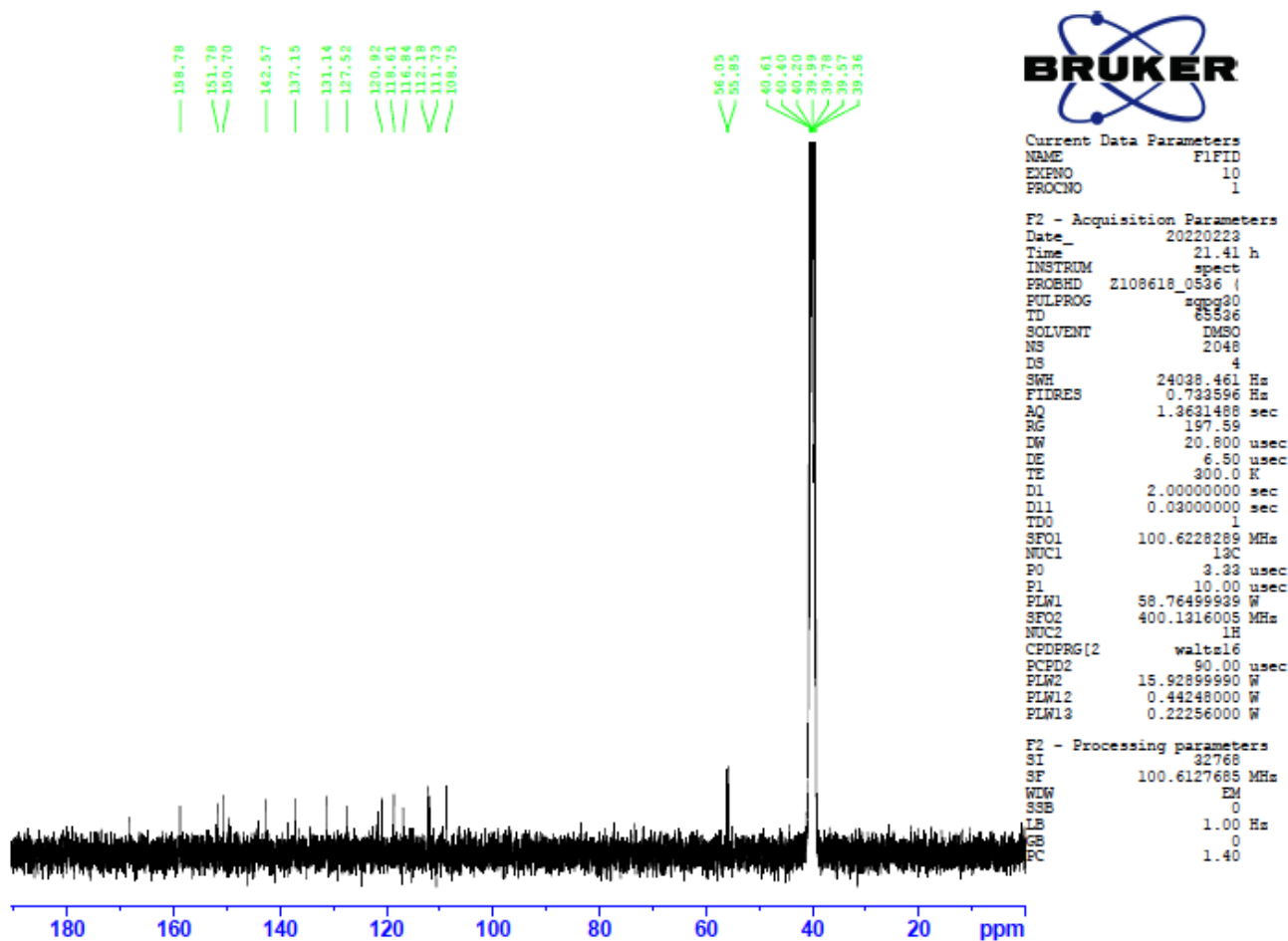


Figure S1.10: ¹³C NMR of Compound 3e

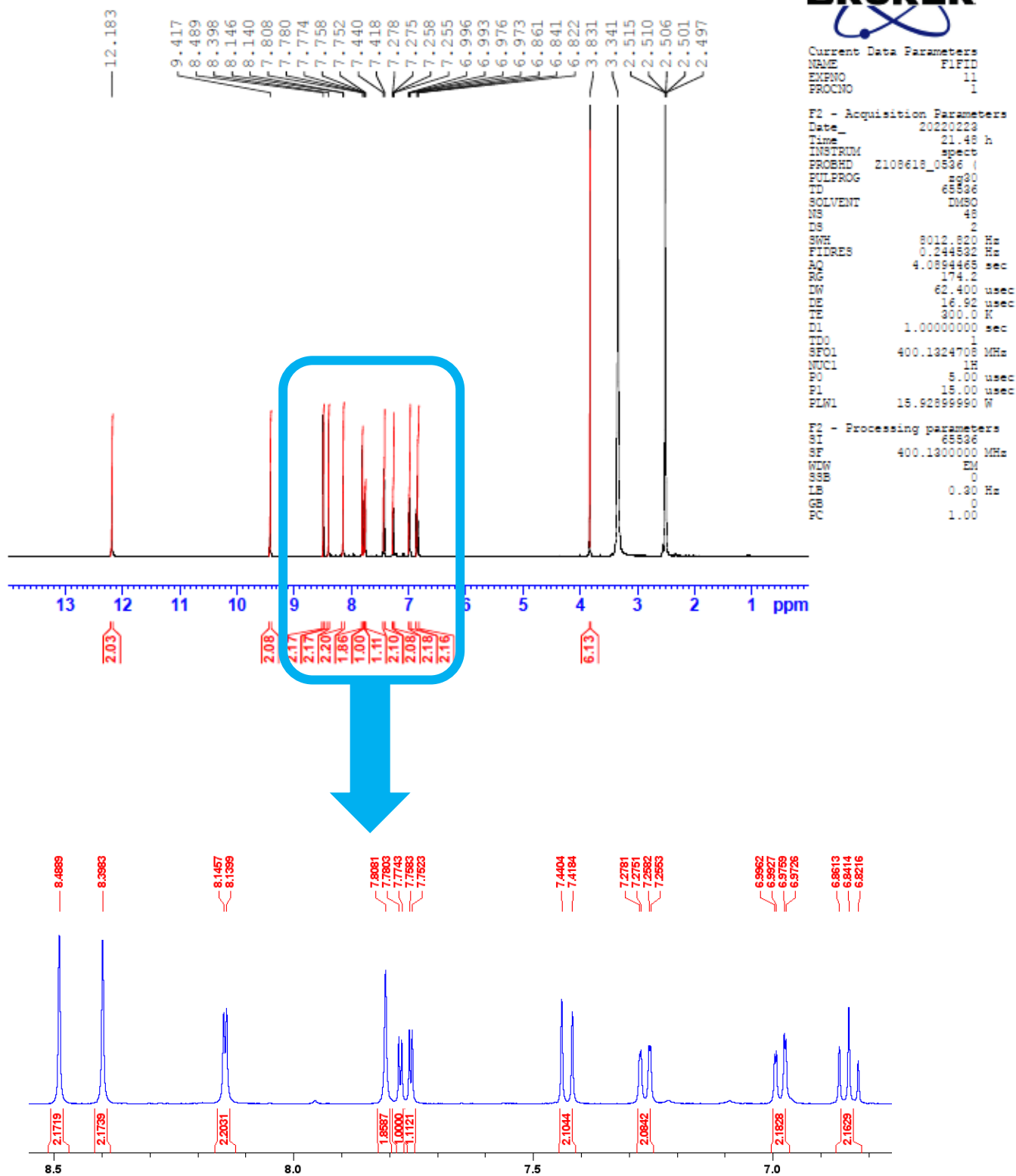
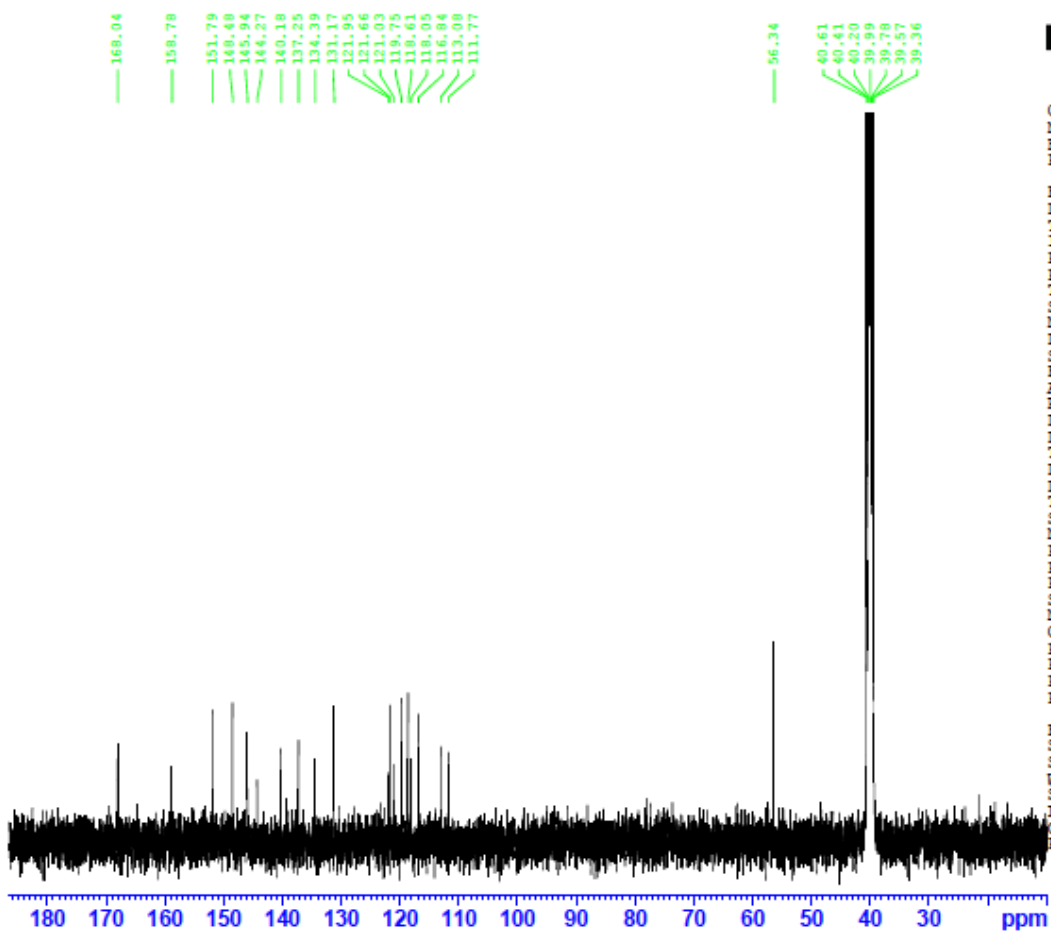


Figure S1.11: ¹H NMR of Compound 3f



Current Data Parameters
NAME F1F1D
EXPNO 12
PROCNO 1

F2 - Acquisition Parameters
Date_ 20220223
Time 23.46 h
INSTRUM spect
PROBHD Z108618_0536 ()
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 2048
DS 4
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 1.3631488 sec
RG 197.59
DW 20.800 usec
DE 6.50 usec
TE 300.0 K
D1 2.0000000 sec
D11 0.0300000 sec
TDO 1
SFO1 100.6228289 MHz
NUC1 13C
PO 3.33 usec
P1 10.00 usec
PLW1 58.76499939 W
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2] waltz16
PCPD2 90.00 usec
PLW2 15.92899990 W
PLW12 0.44248000 W
PLW13 0.22256000 W

F2 - Processing parameters
SI 32768
SF 100.6127685 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Figure S1.12: ^{13}C NMR of Compound 3f