

Supplementary Information

Figure S1. ^1H NMR spectrum (400 MHz) of compound 1 in CDCl_3 .

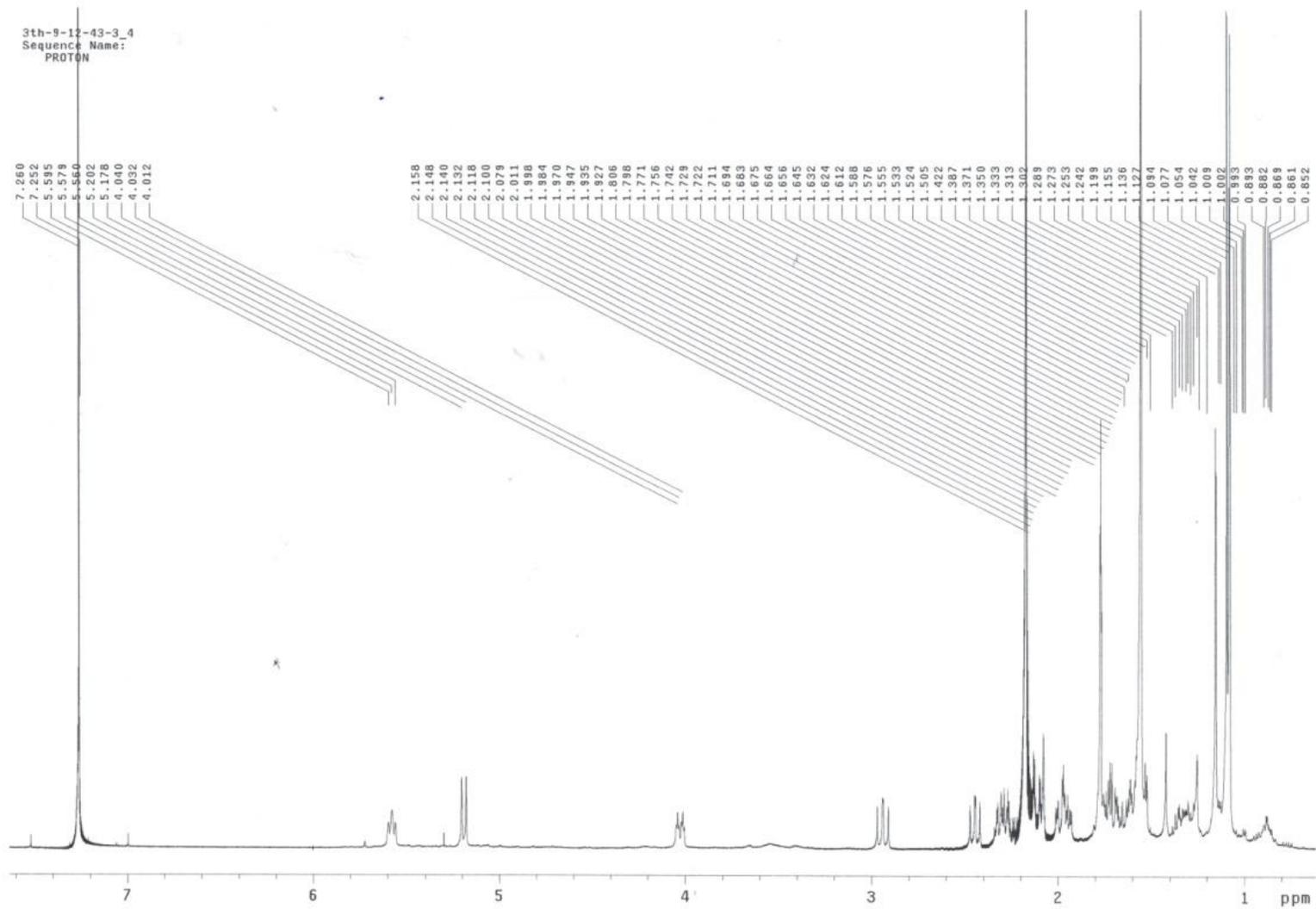


Figure S2. ^1H NMR spectrum (400 MHz) of compound **1** in CDCl_3 .

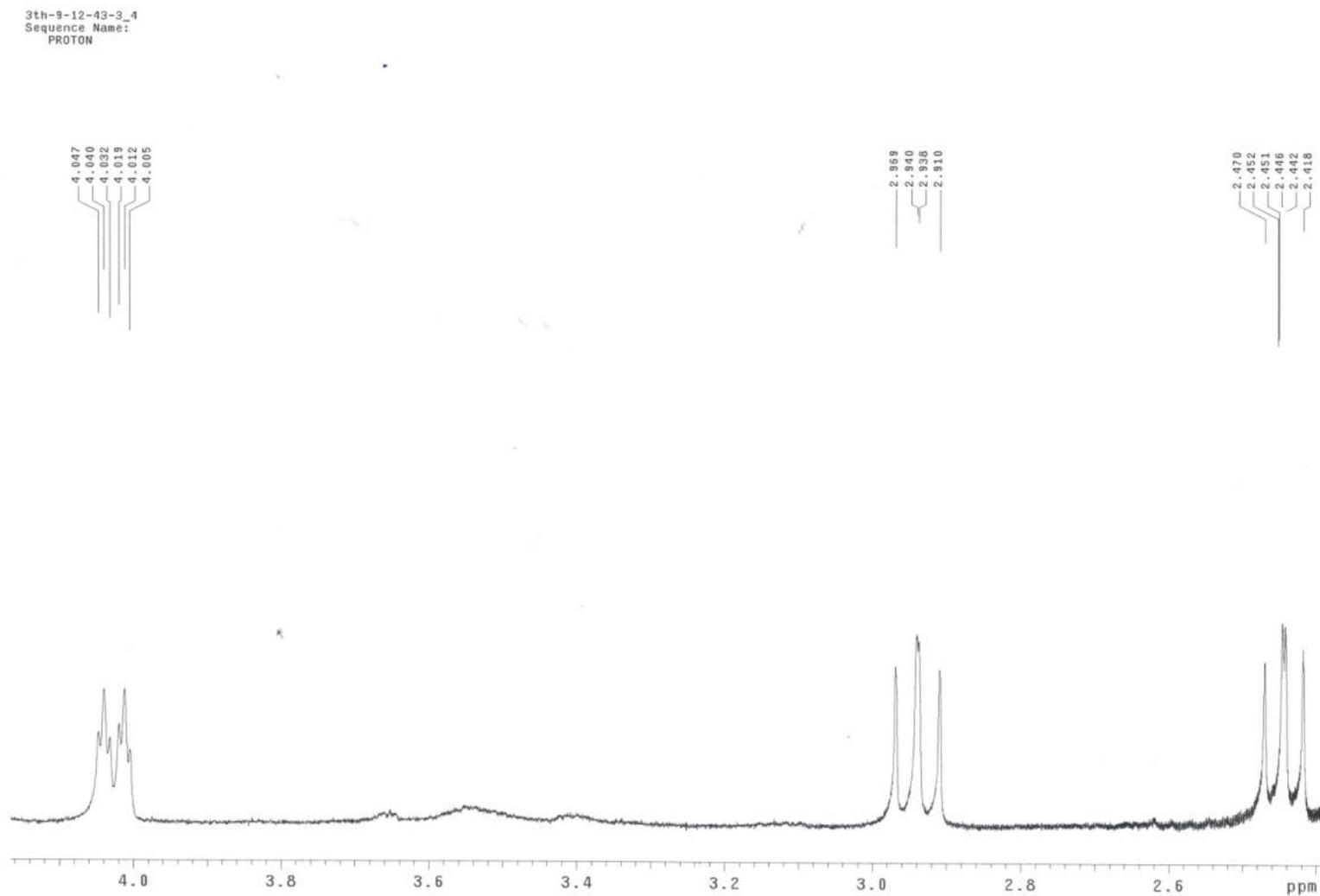


Figure S3. ^{13}C NMR spectrum (100 MHz) of compound 1 in CDCl_3 .

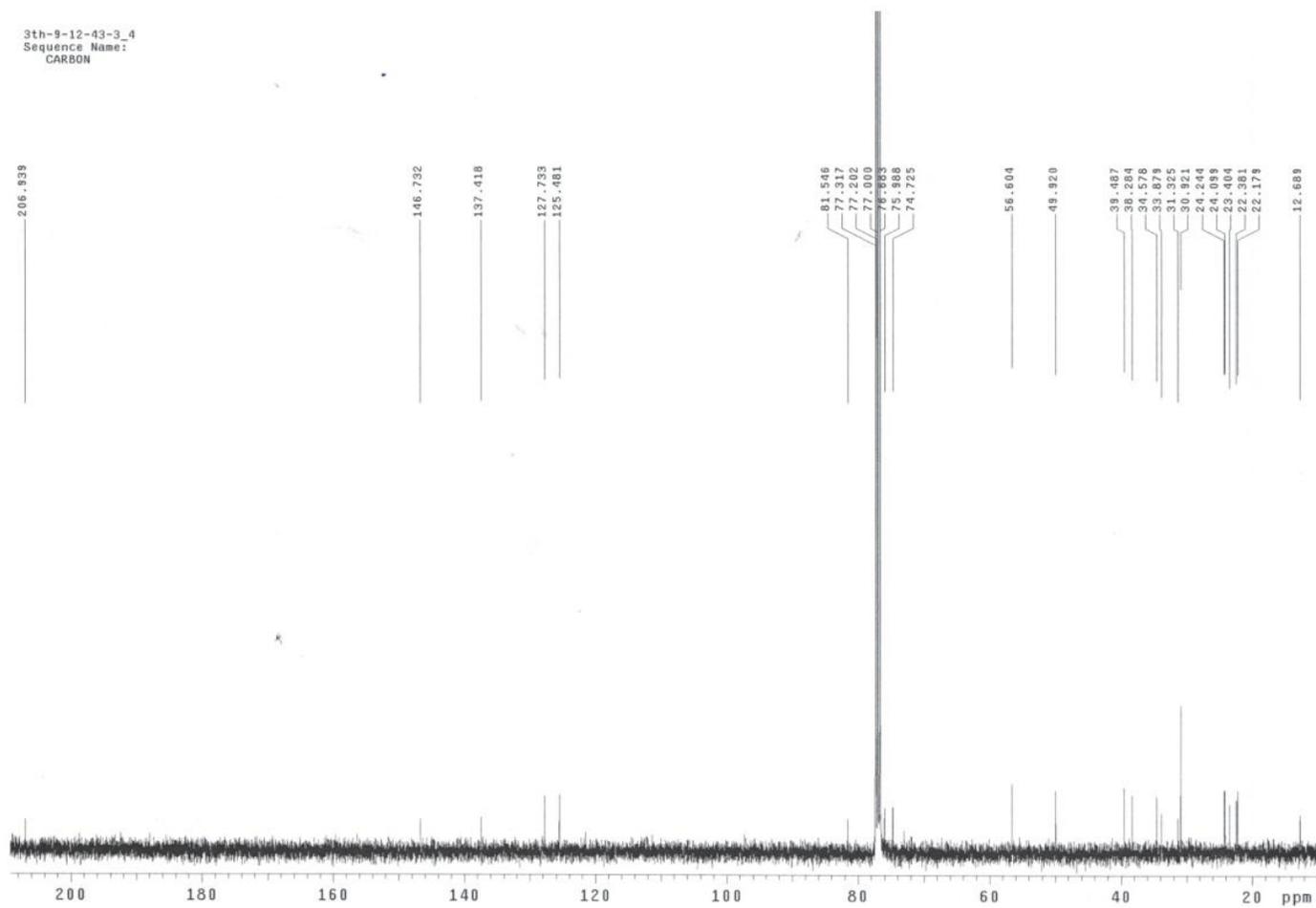


Figure S4. DEPT spectrum (100 MHz) of compound **1** in CDCl₃.

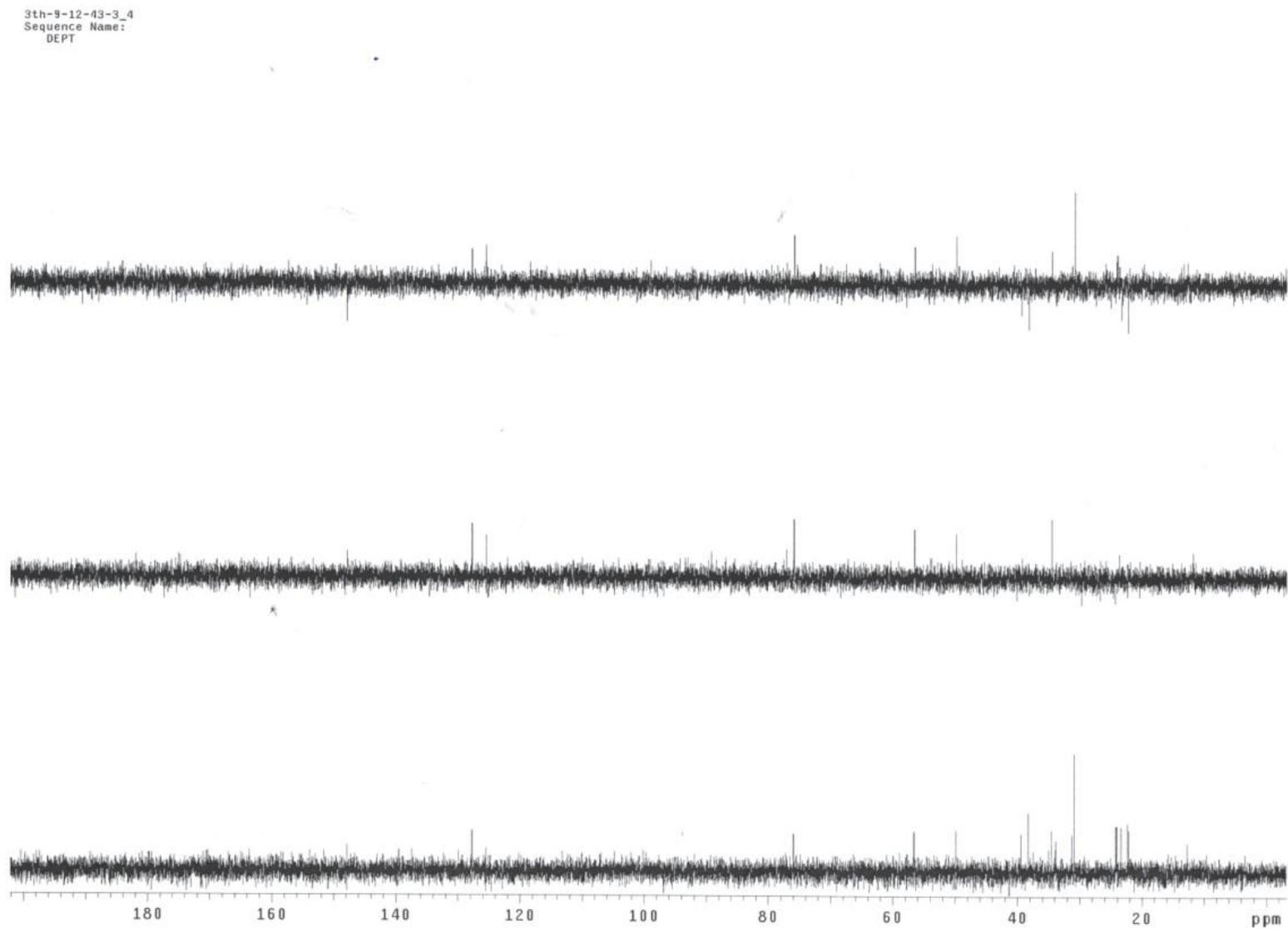


Figure S5. HSQC spectrum (400 MHz) of compound **1** in CDCl₃.

3th-9-12-43-3_4
Sequence Name:
gHSQC
Temp. 25.0 C / 298.1 K
Operator: HUA
Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 6410.3 Hz
2D Width 17116.0 Hz
88 repetitions
2 x 128 increments
OBSERVE H1, 400.4177120 MHz
DECOUPLE C13, 100.6826652 MHz
Power 50 dB
on during acquisition
off during delay
GARP-1 modulated
DATA PROCESSING
Gauss apodization 0.069 sec
F1 DATA PROCESSING
Gauss apodization 0.007 sec
FT size 2048 x 2048
Total time 8 hr, 14 min

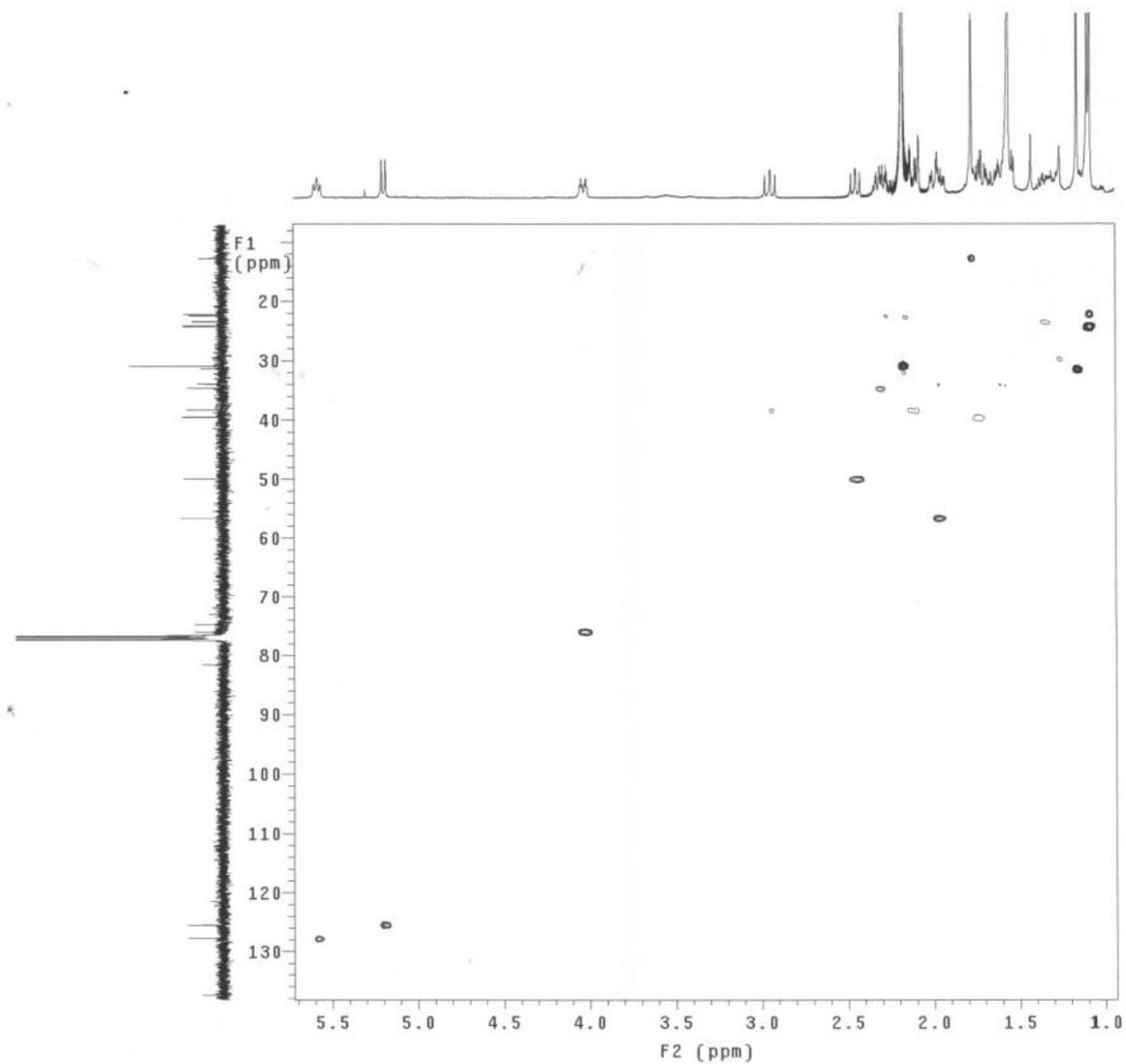


Figure S6. HMBC spectrum (400 MHz) of compound 1 in CDCl₃.

3th-9-12-43-3_4
Sequence Name:
gHMBC
Temp. 25.0 C / 298.1 K
Operator: HUA
Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 6410.3 Hz
2D Width 24161.9 Hz
88 repetitions
2 x 200 increments
OBSERVE H1, 400.4177120 MHz
DATA PROCESSING
Sq. sine bell 0.075 sec
F1 DATA PROCESSING
Gauss apodization 0.008 sec
FT size 2048 x 2048
Total time 13 hr, 19 min

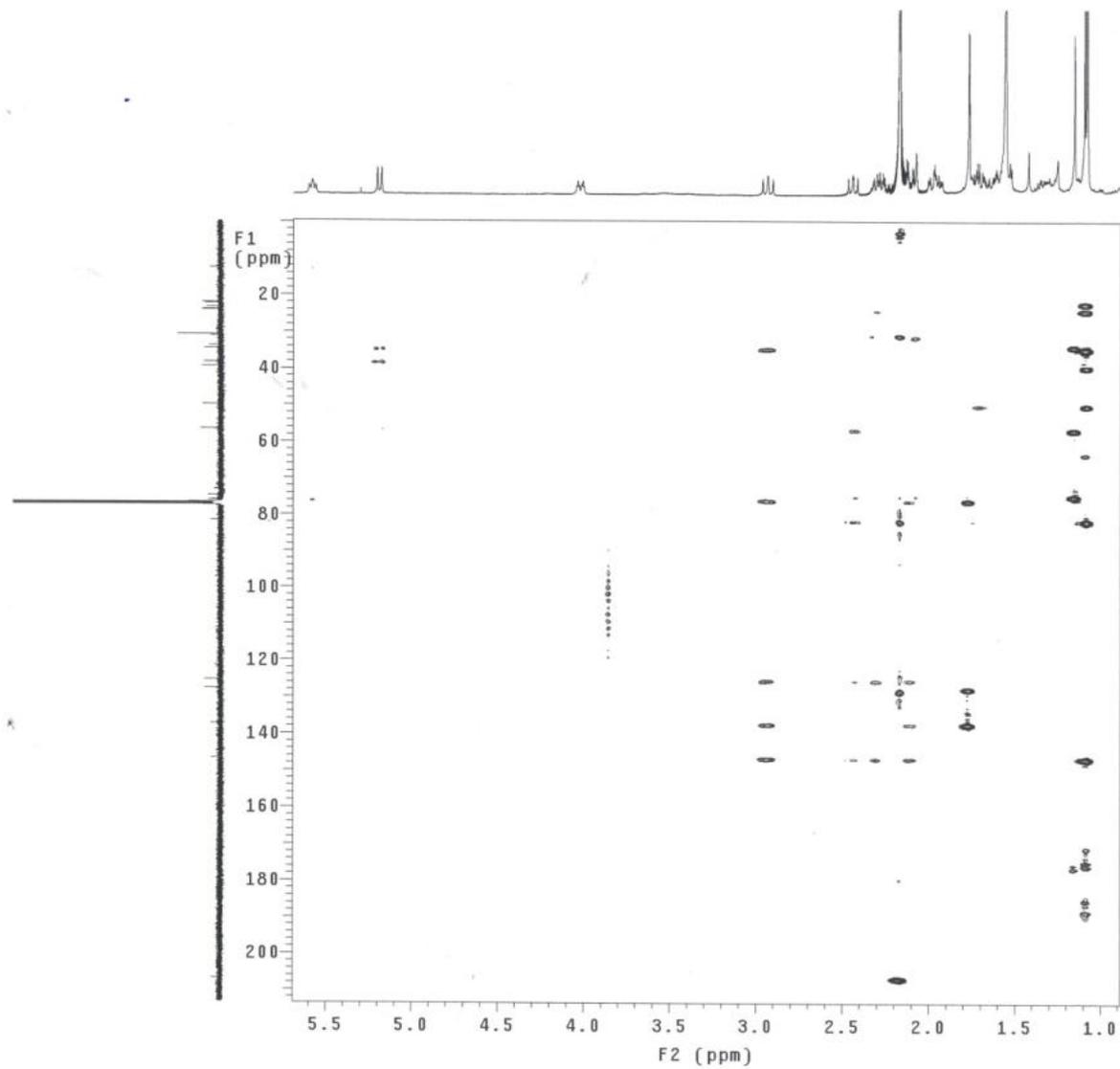


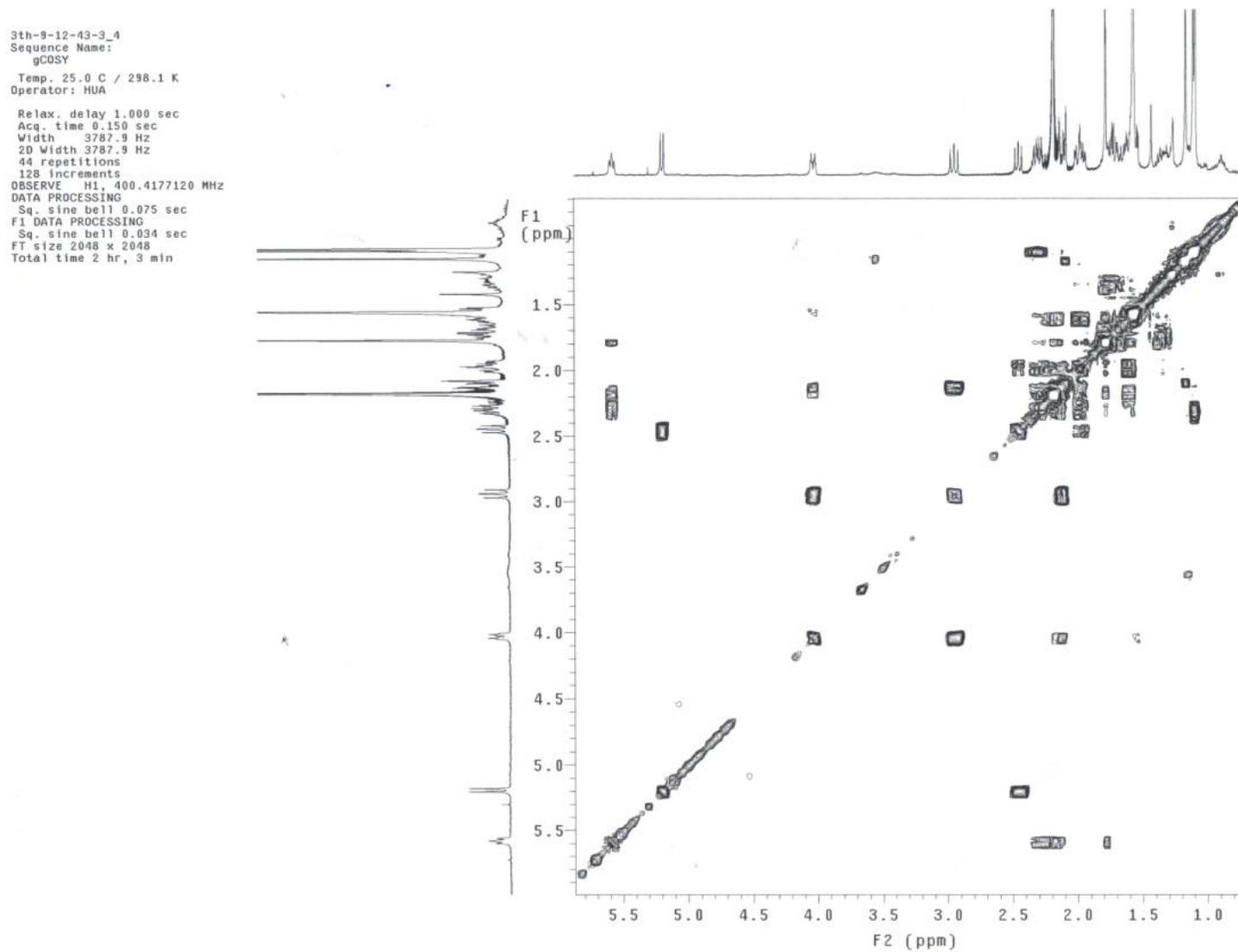
Figure S7. COSY spectrum (400 MHz) of compound **1** in CDCl_3 .

Figure S8. NOESY spectrum (400 MHz) of compound **1** in CDCl₃.

3th-9-12-43-3_4
Sequence Name:
NOESY
Temp. 25.0 C / 298.1 K
Operator: HUA
Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 3787.9 Hz
2D Width 3787.9 Hz
44 repetitions
2 x 200 increments
OBSERVE H1, 400.4177120 MHz
DATA PROCESSING
Gauss apodization 0.069 sec
F1 DATA PROCESSING
Gauss apodization 0.049 sec
FT size 2048 x 2048
Total time 10 hr, 15 min

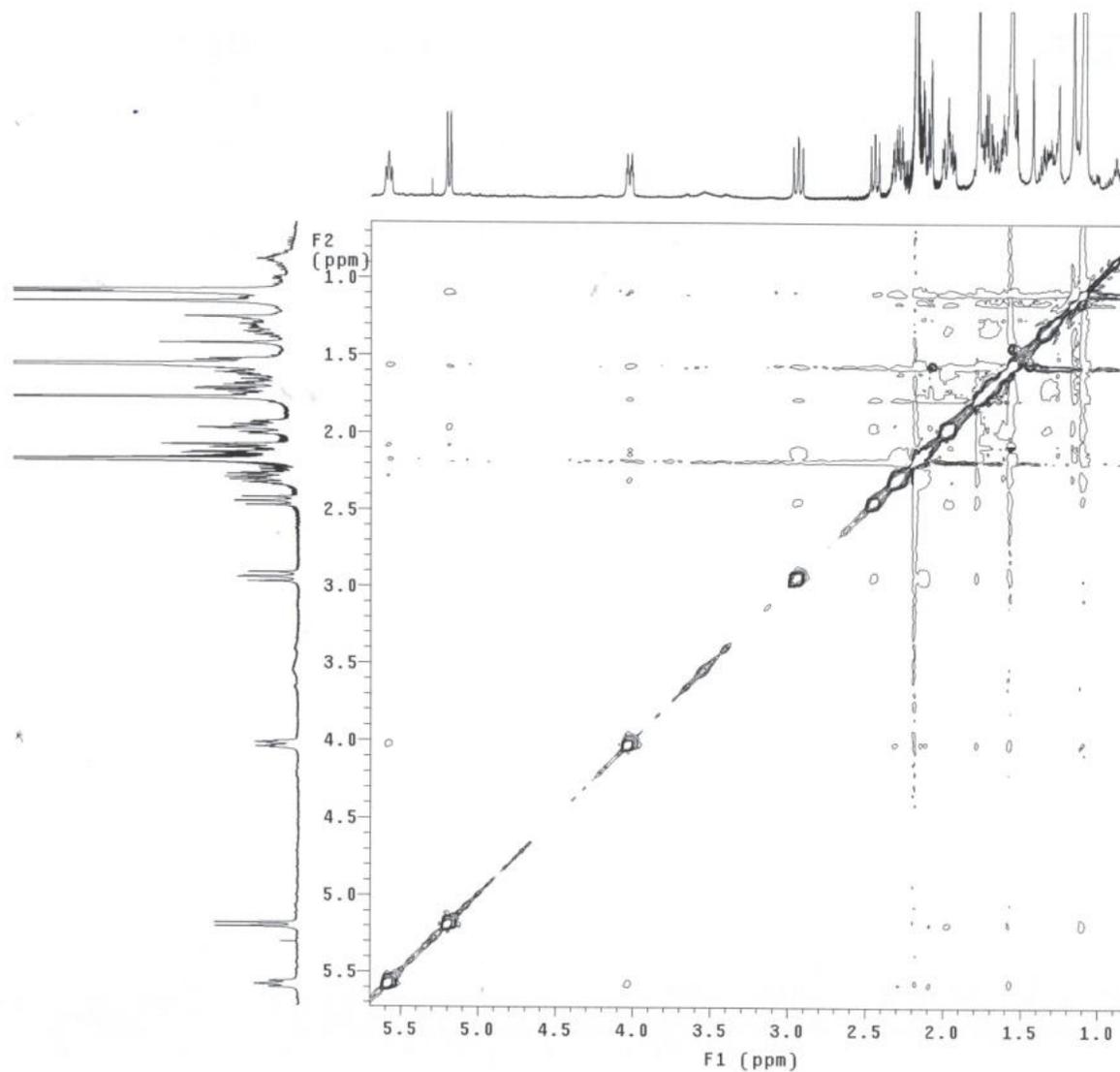


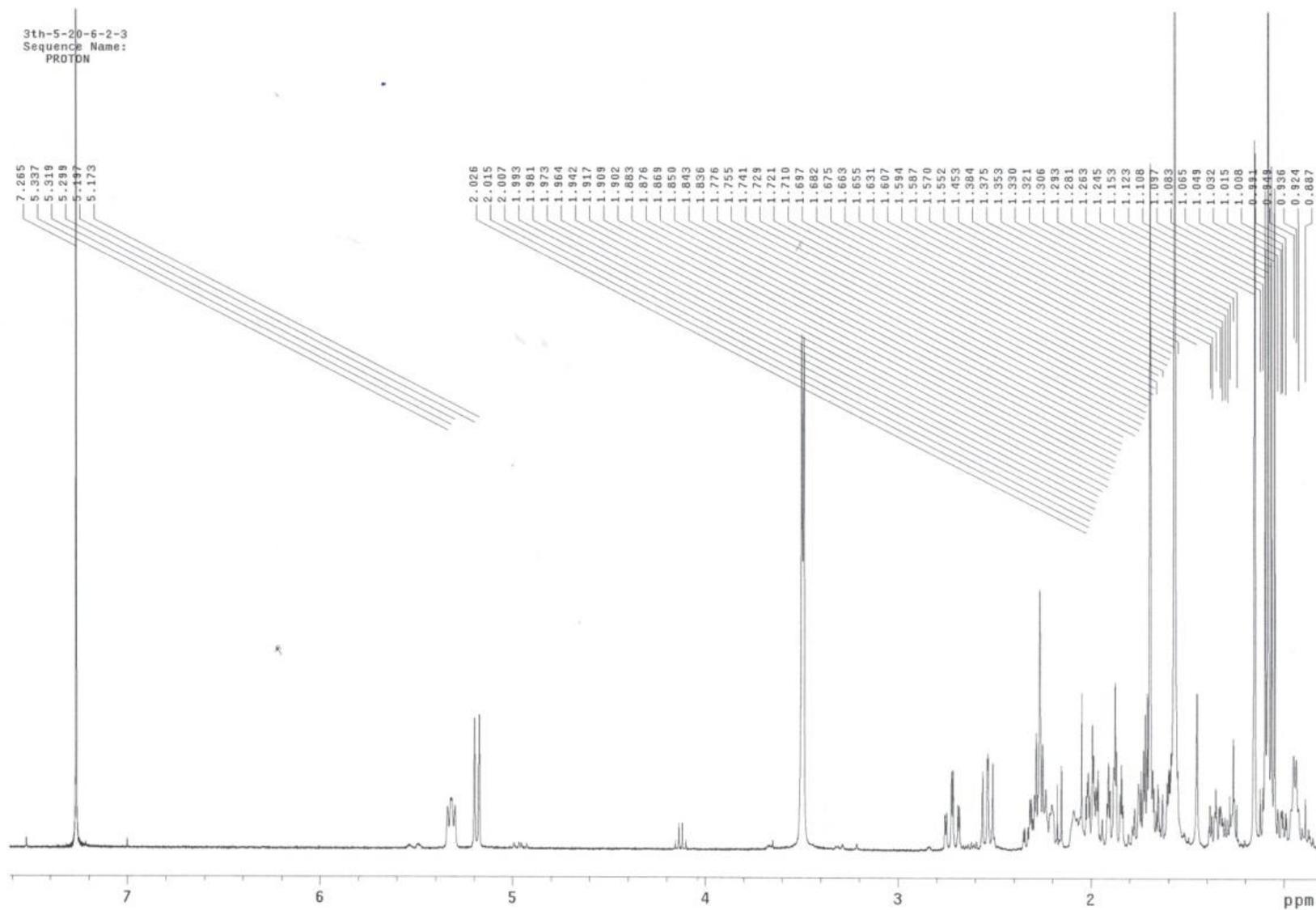
Figure S9. ^1H NMR spectrum (400 MHz) of compound **2** in CDCl_3 .

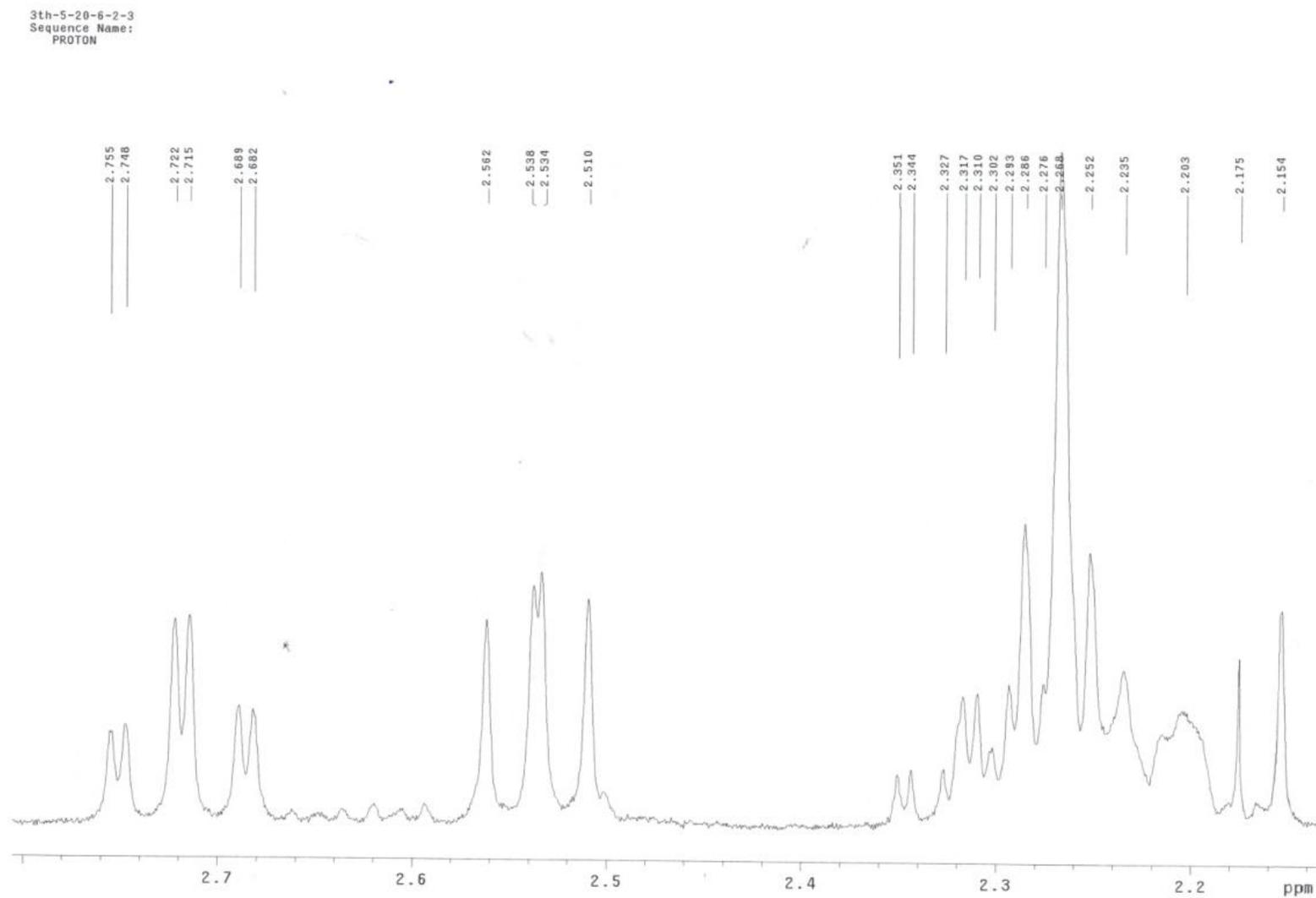
Figure S10. ^1H NMR spectrum (400 MHz) of compound **2** in CDCl_3 .

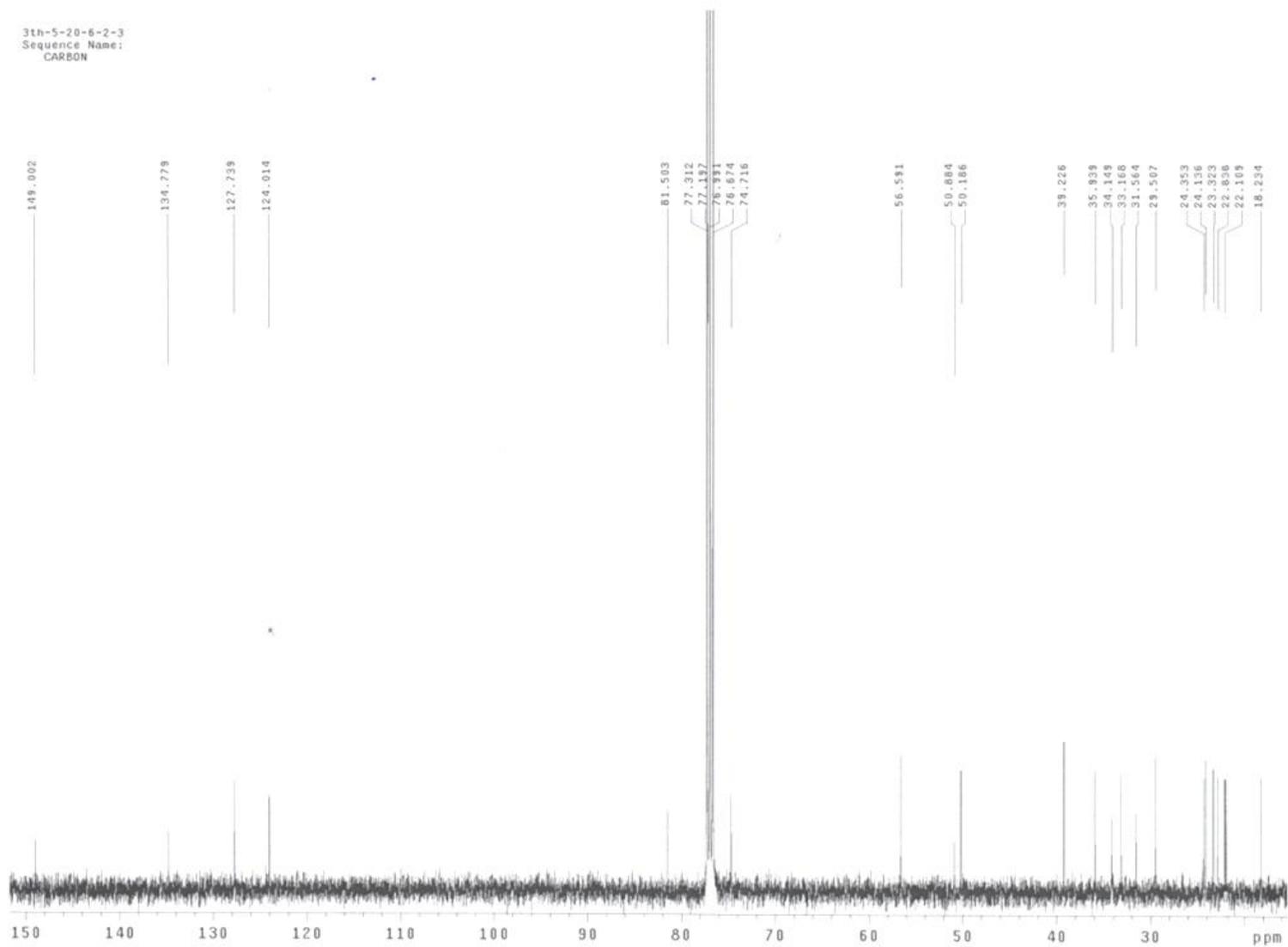
Figure S11. ^{13}C NMR spectrum (100 MHz) of compound **2** in CDCl_3 .

Figure S12. DEPT spectrum (100 MHz) of compound **2** in CDCl₃.

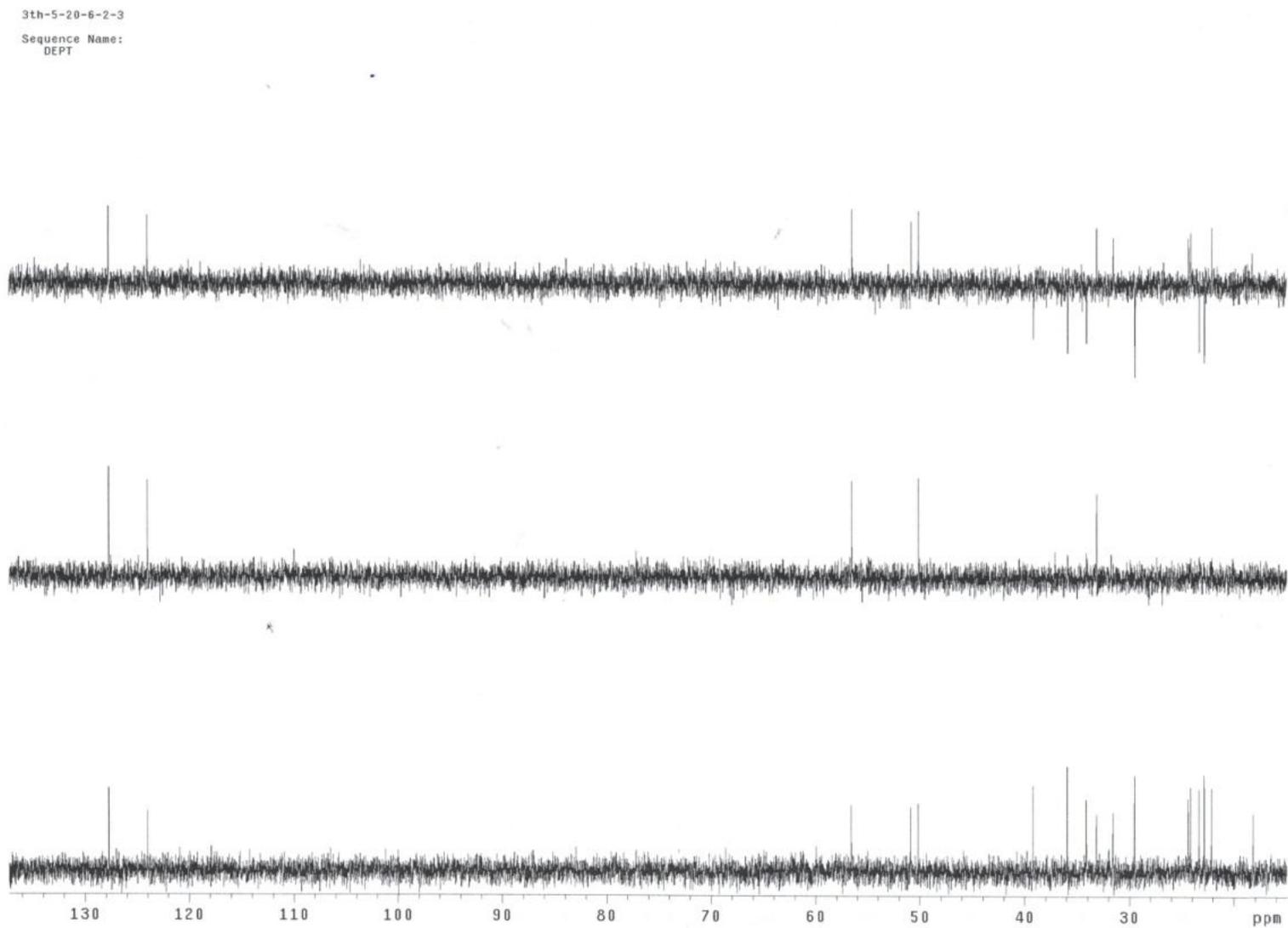


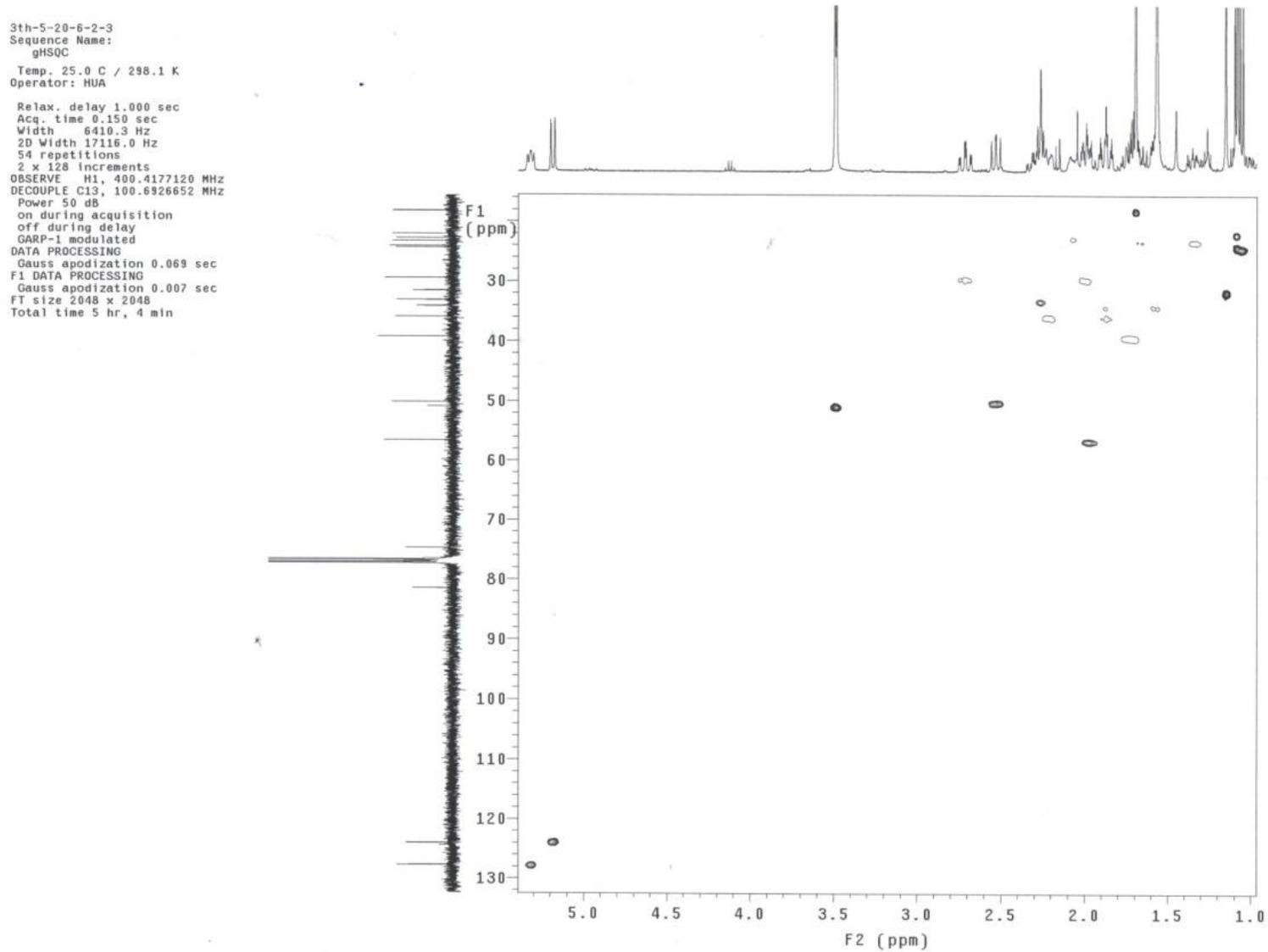
Figure S13. HSQC spectrum (400 MHz) of compound **2** in CDCl₃.

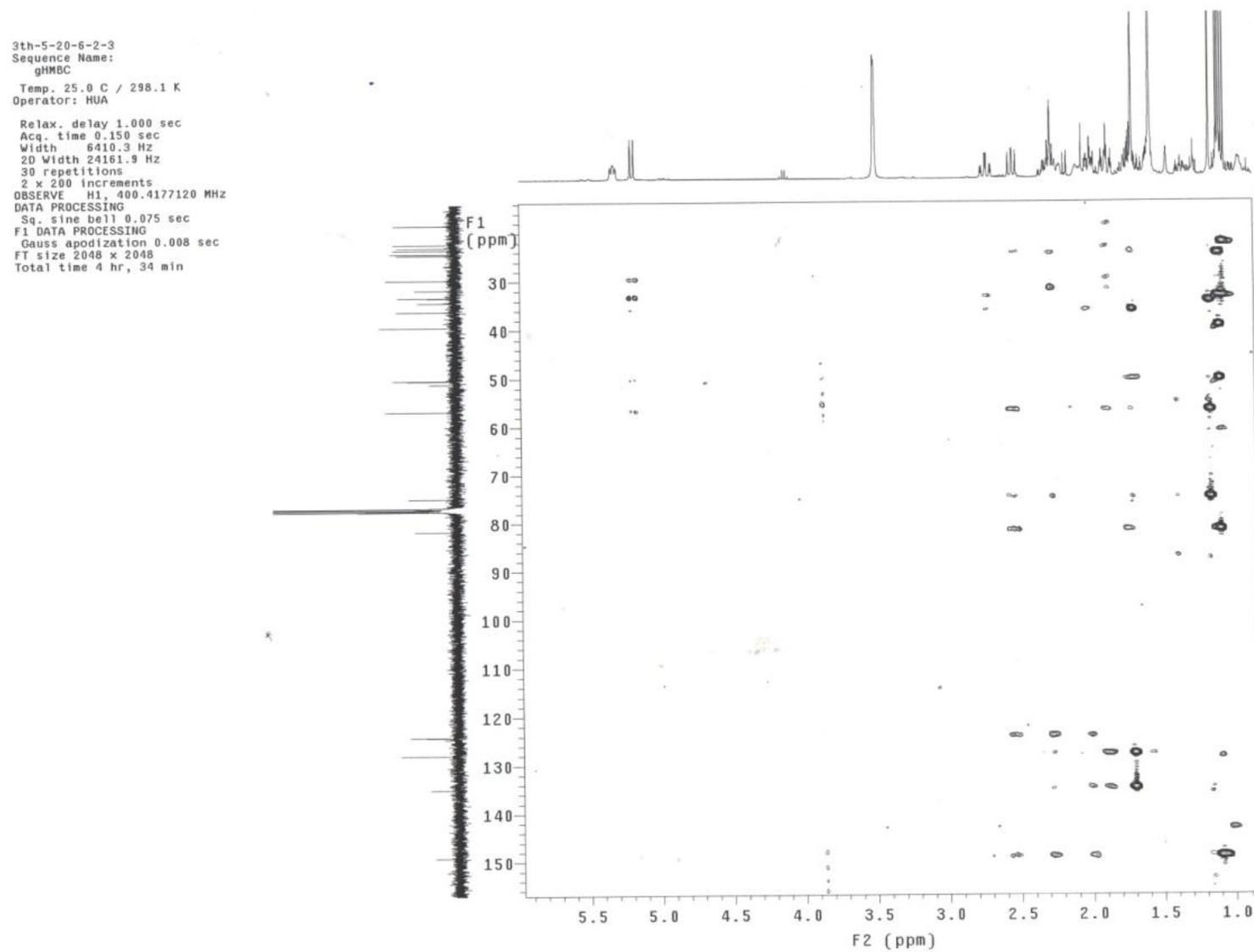
Figure S14. HMBC spectrum (400 MHz) of compound 2 in CDCl₃.

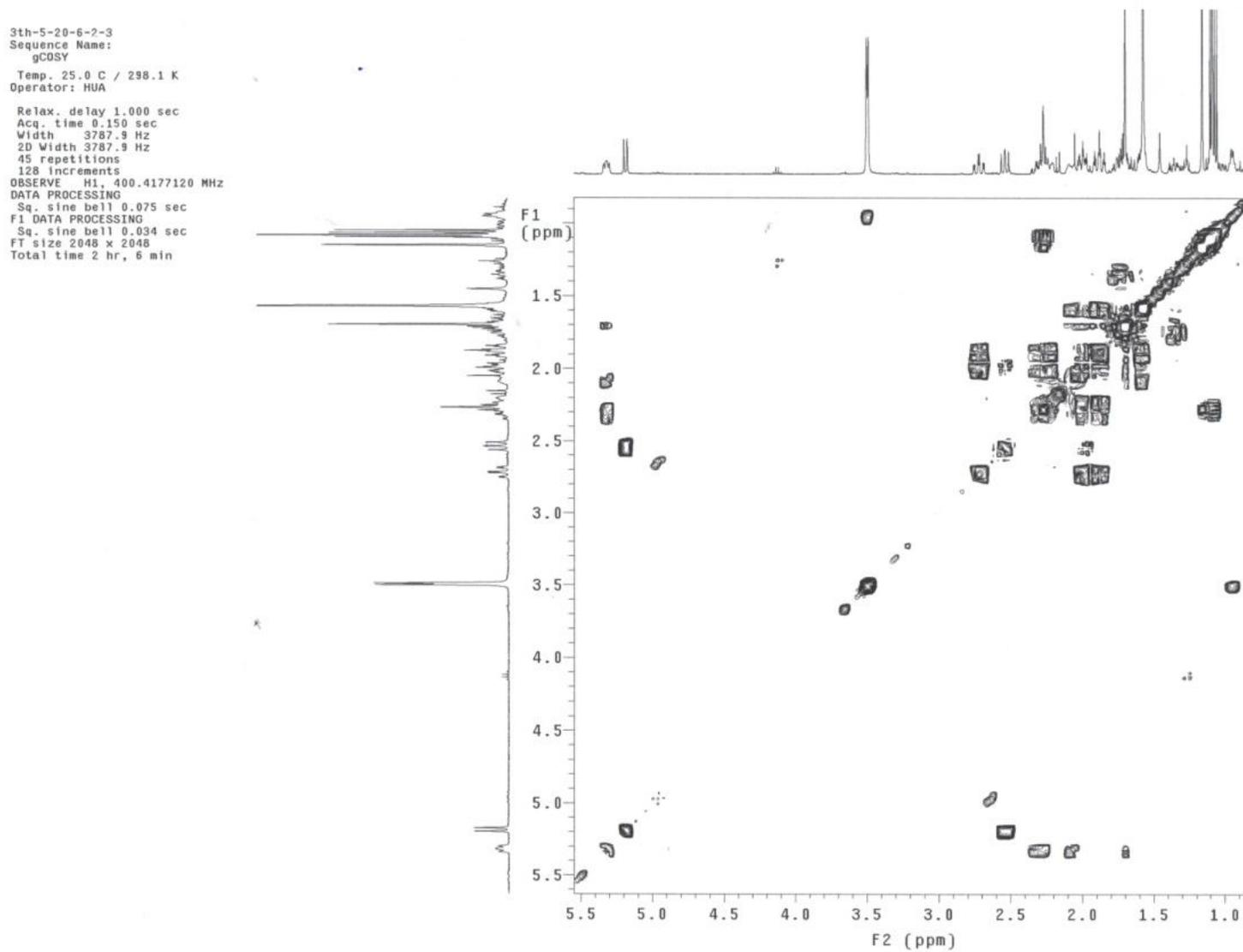
Figure S15. COSY spectrum (400 MHz) of compound **2** in CDCl₃.

Figure S16. NOESY spectrum (400 MHz) of compound **2** in CDCl₃.

3th-5-20-6-2-3
Sequence Name:
NOESY
Temp. 25.0 C / 298.1 K
Operator: HUA
Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 3787.9 Hz
2D Width 3787.9 Hz
30 repetitions
2 x 200 increments
OBSERVE H1, 400.4177120 MHz
DATA PROCESSING
Gauss apodization 0.069 sec
F1 DATA PROCESSING
Gauss apodization 0.049 sec
FT size 2048 x 2048
Total time 7 hr, 1 min

