



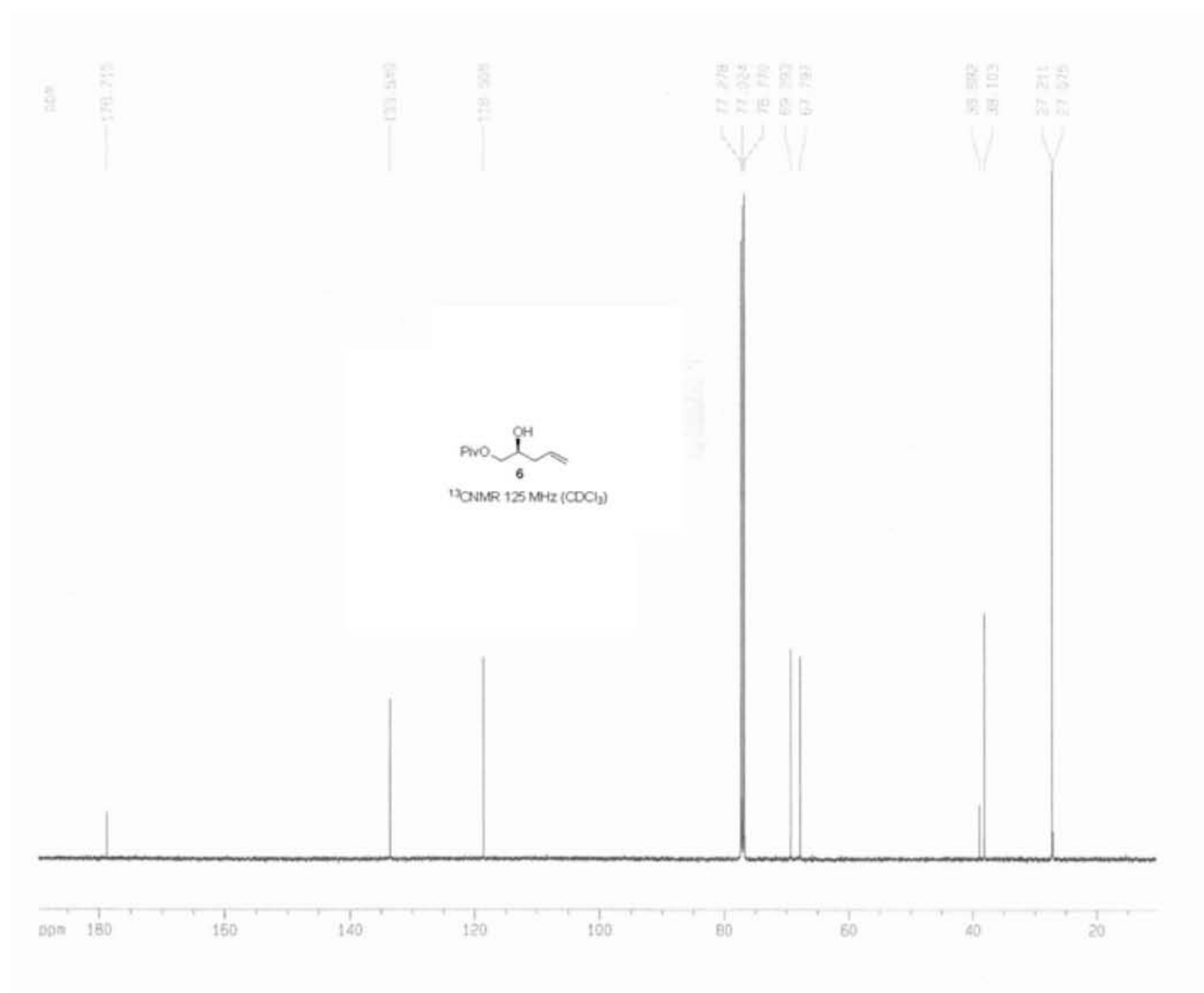
Current Data Parameters
 NAME 05040701
 EXPNO 8
 PROCNO 1

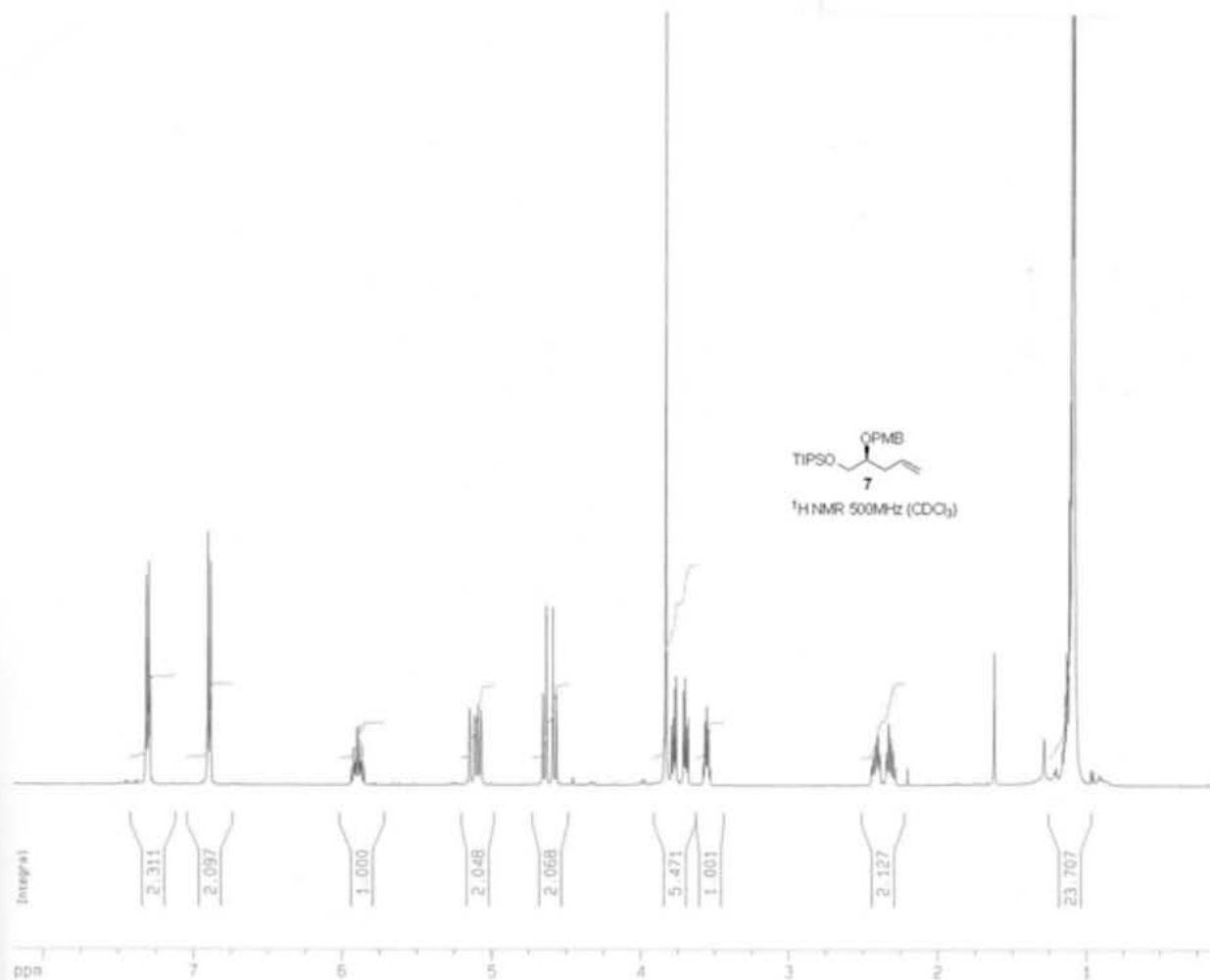
F2 - Acquisition Parameters
 Date_ 20070504
 Time 13.00
 INSTRUM spect
 PROBHD 5 mm CPDCH 13C
 PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 DW 62.400 usec
 DE 6.00 usec
 TE 304.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWRR 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 ¹H
 P1 9.25 usec
 PL1 -0.50 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 S1 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 57.94 cm
 F1P 7.721 ppm
 F1 3861.50 Hz
 F2P 0.488 ppm
 F2 244.11 Hz
 PPMCH 0.32677 ppm/cm
 HZCH 164.42677 Hz/cm





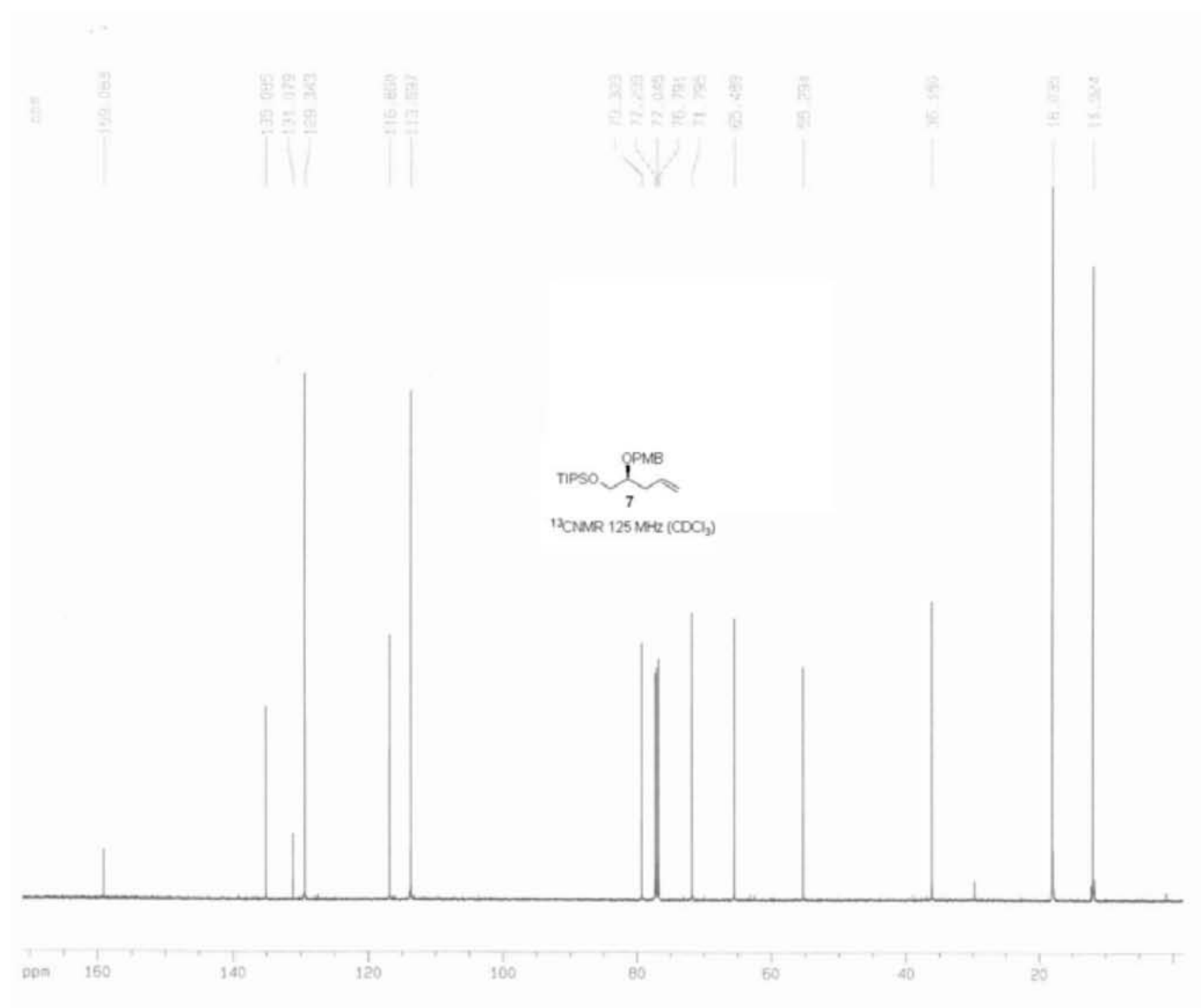
Current Data Parameters
 NAME 10050601
 EXPNO 22
 PROCNO 1

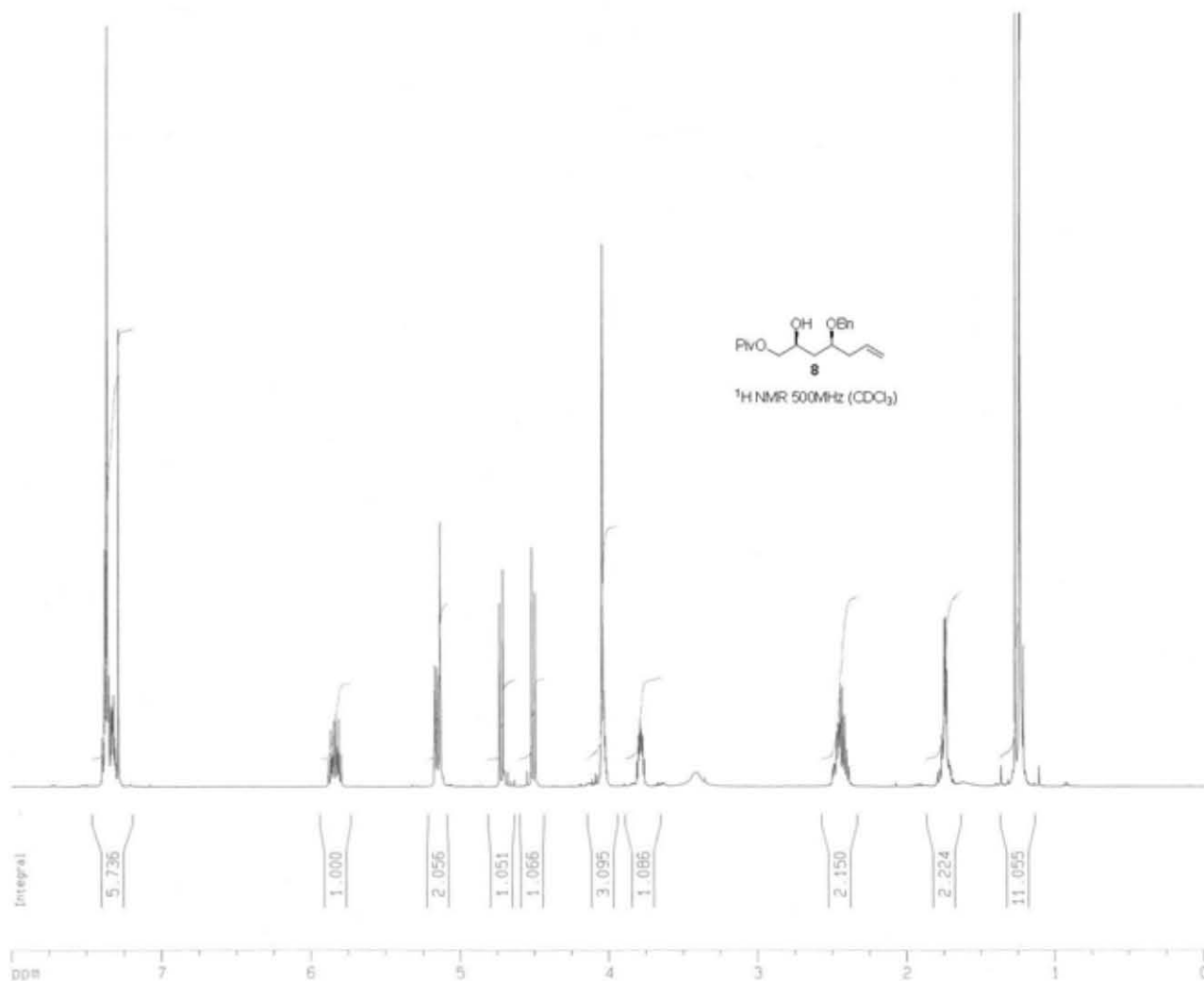
F2 - Acquisition Parameters
 Date_ 20061005
 Time 17.34
 INSTRUM spect
 PROBHD 5 mm CPDCH 13C
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 11.3
 DW 62.400 usec
 DE 6.00 usec
 TE 300.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWK 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SF01 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 43.74 cm
 FIP 8.193 ppm
 F1 4097.76 Hz
 F2P 0.081 ppm
 F2 40.37 Hz
 PPMCH 0.36876 ppm/cm
 HZCH 184.42547 Hz/cm





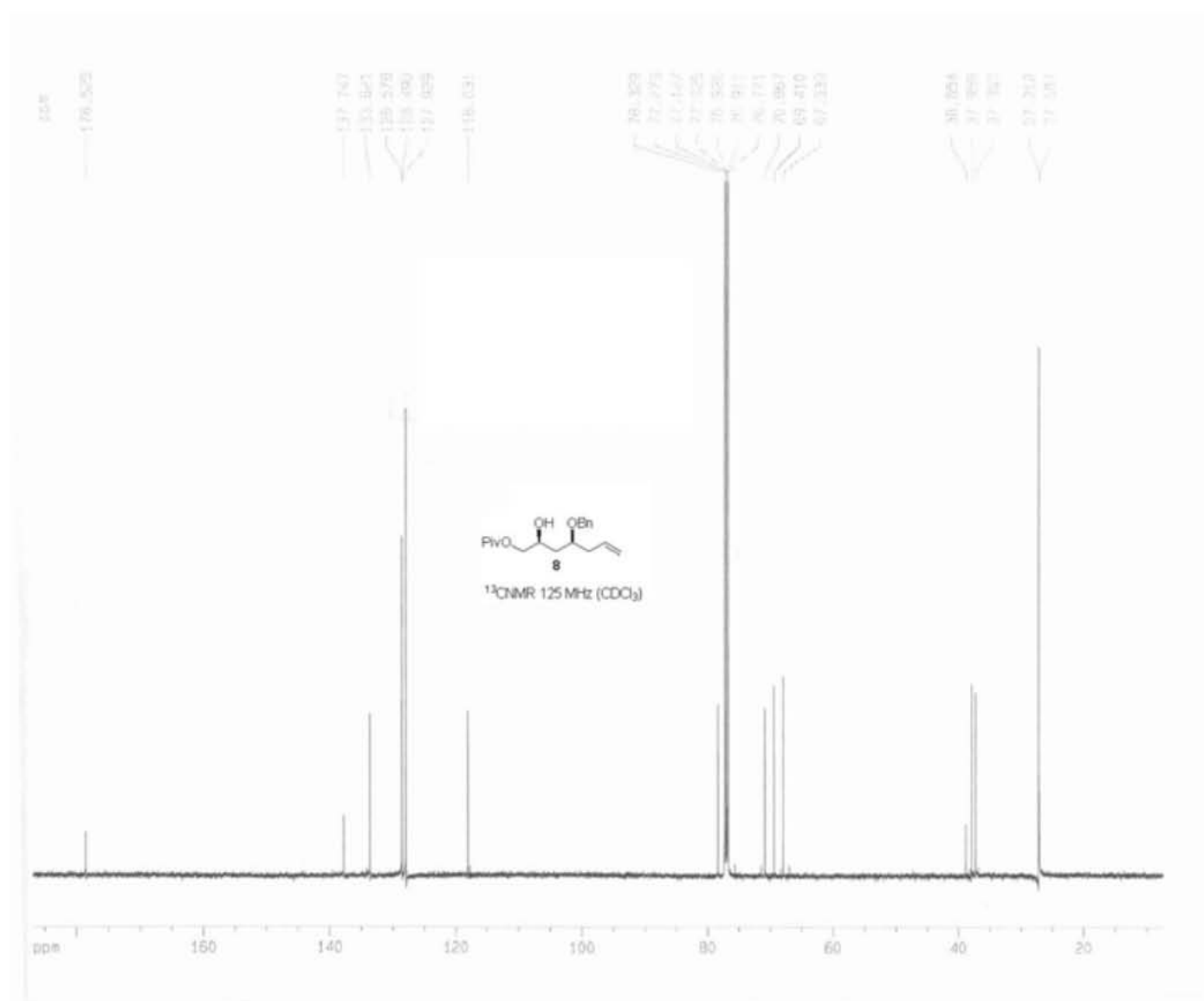
Current Data Parameters
NAME 05310701
EXPNO 1
PROCNO 1

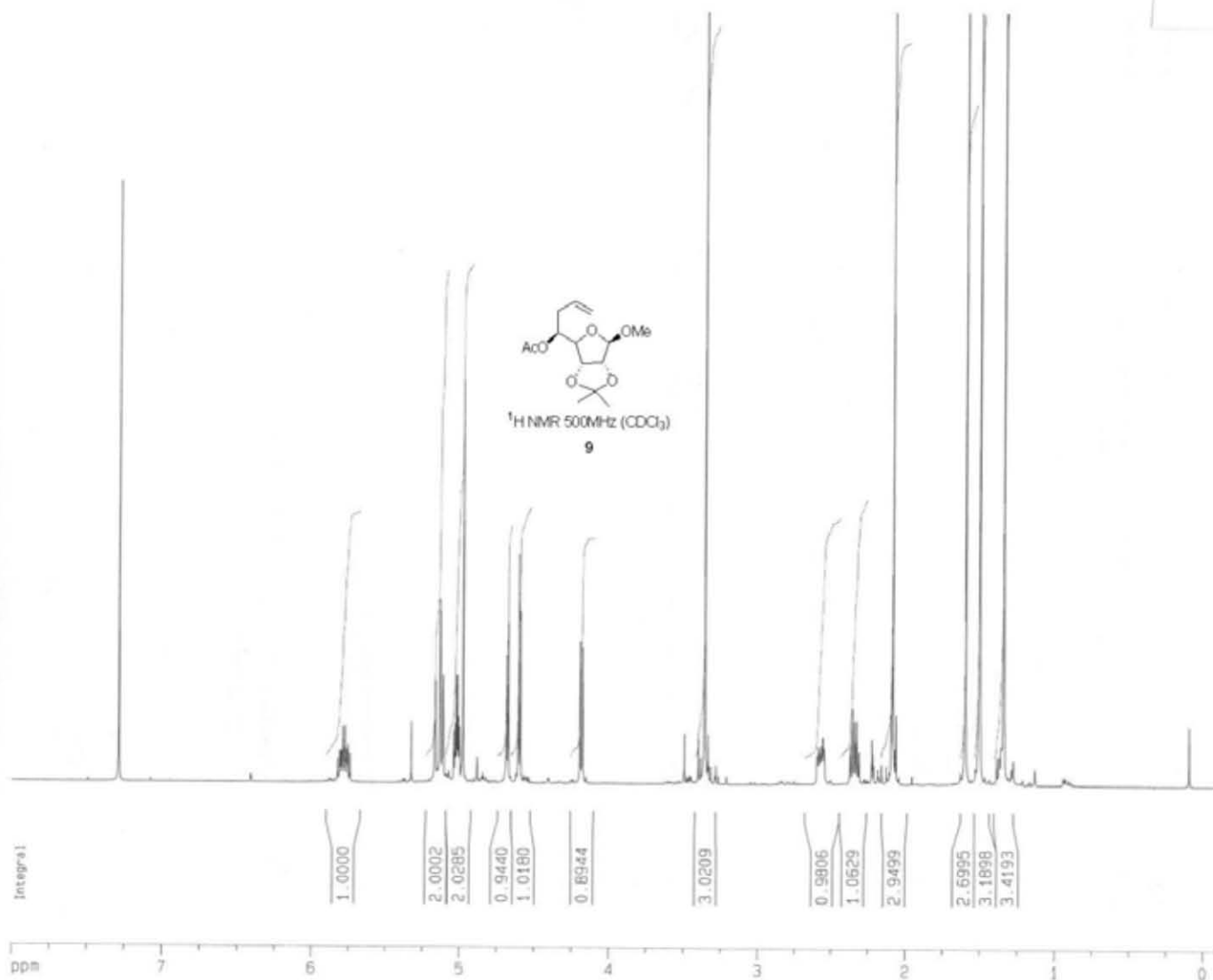
F2 - Acquisition Parameters
Date_ 20070531
Time 12.16
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 8
DS 2
SWH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0448356 sec
RG 64
DW 62.400 usec
DE 6.00 usec
TE 304.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCMRK 0.01500000 sec

***** CHANNEL f1 *****
NUC1 1H
P1 9.25 usec
PL1 -0.50 dB
SF01 500.1330685 MHz

F2 - Processing parameters
SI 32768
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 22.00 cm
CY 87.47 cm
F1P 8.000 ppm
F1 4001.04 Hz
F2P -0.100 ppm
F2 -50.01 Hz
PPMCM 0.36818 ppm/cm
HZCM 184.13878 Hz/cm





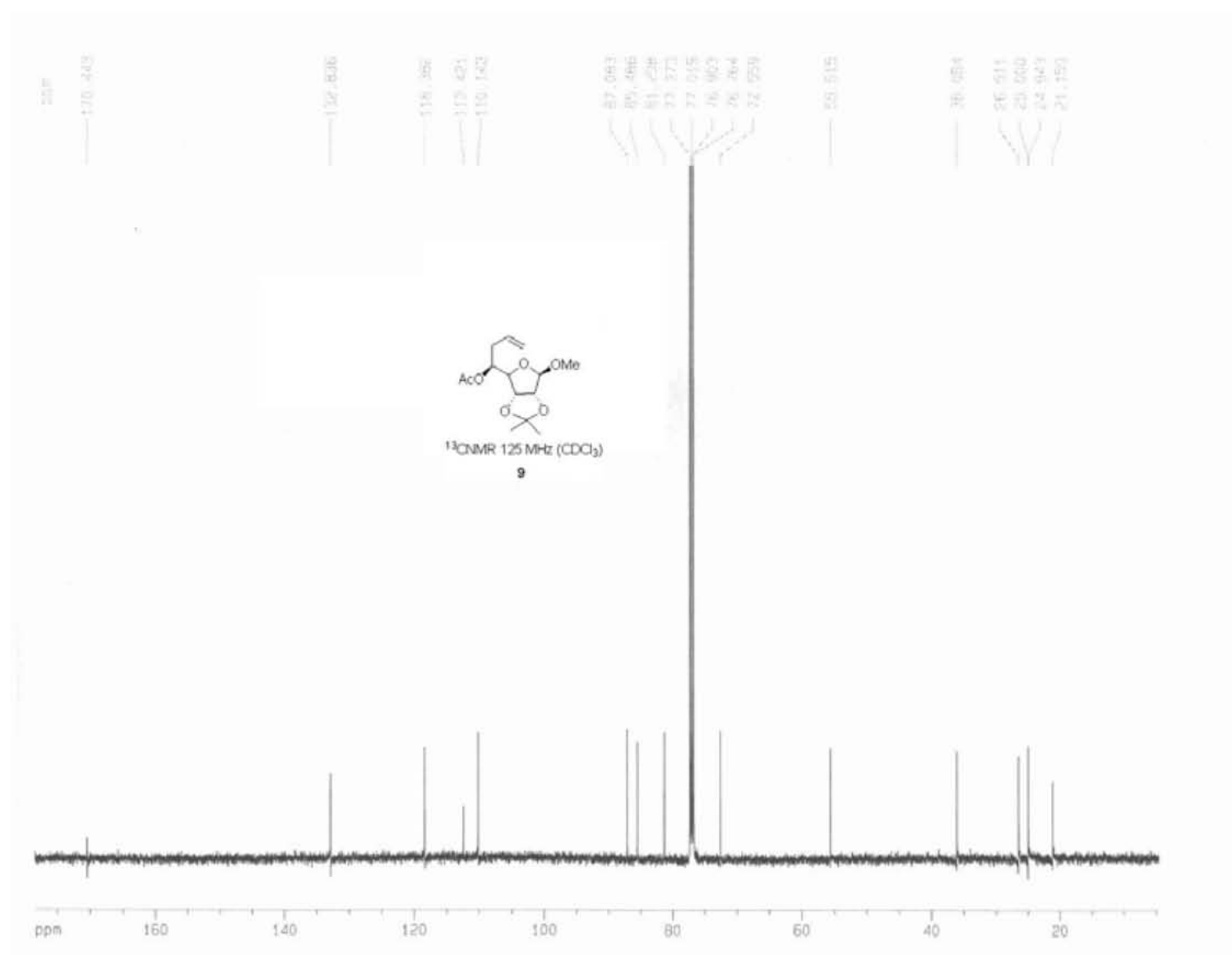
Current Data Parameters
 NAME 07180701
 EXPNO 3
 PROCNO 1

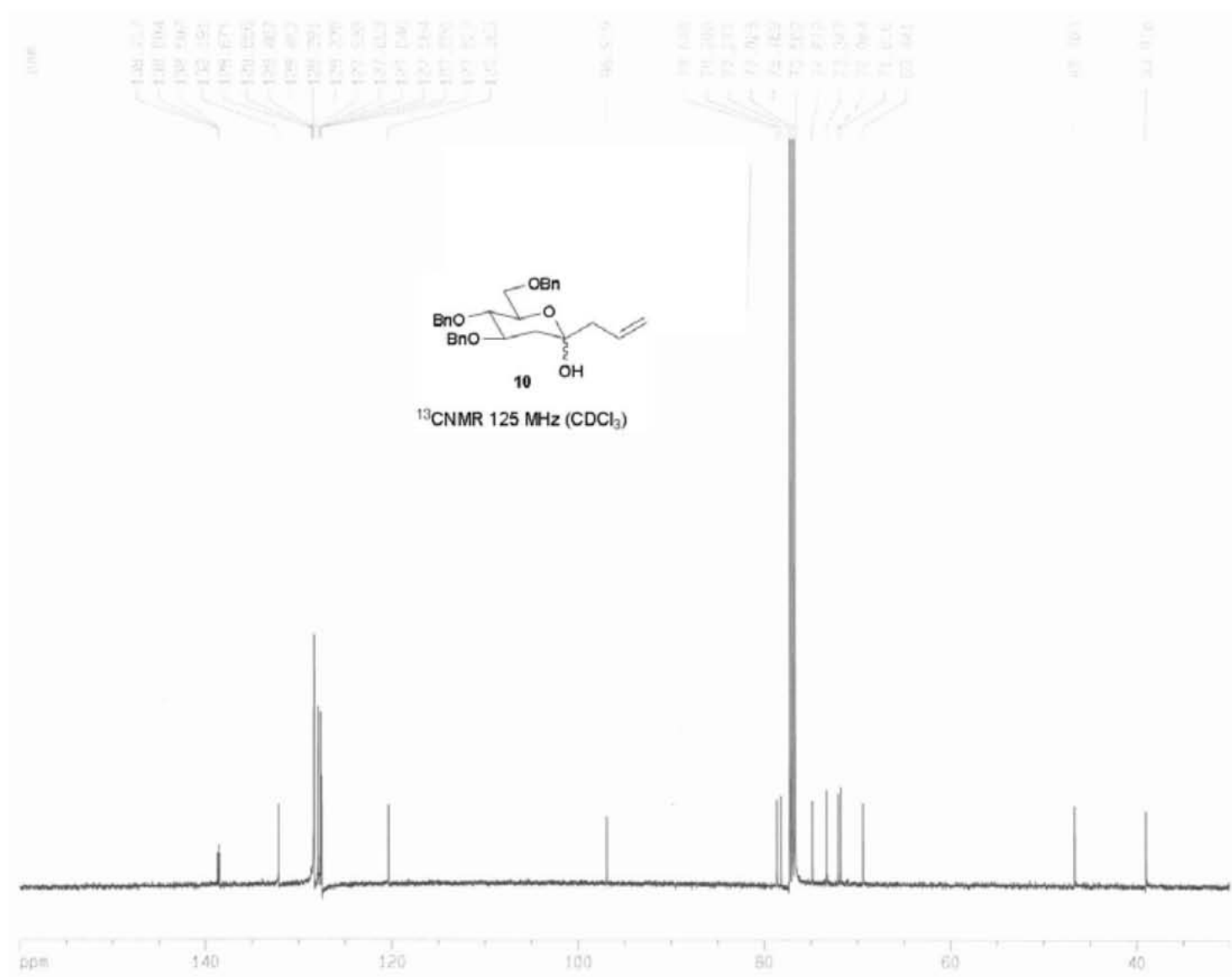
F2 - Acquisition Parameters
 Date_ 20070718
 Time 15.08
 INSTRUM spect
 PROBHD 5 mm CPOCH 13C
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 OW 62.400 usec
 DE 6.00 usec
 TE 304.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWPK 0.01500000 sec

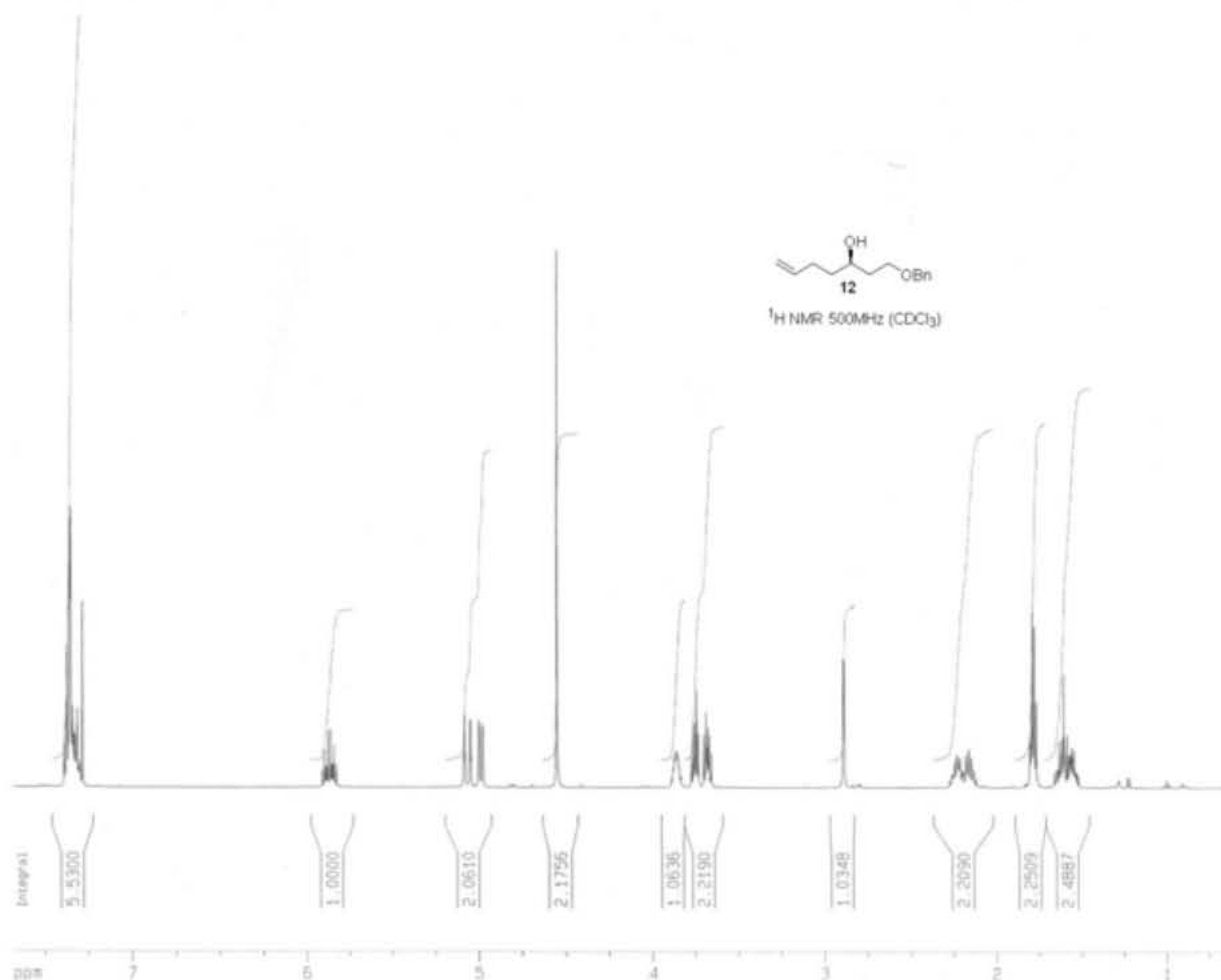
***** CHANNEL f1 *****
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SF01 500.1330885 MHz

F2 - Processing parameters
 S1 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 28.62 cm
 F1P 8.000 ppm
 F1 4001.04 Hz
 F2P -0.100 ppm
 F2 -50.01 Hz
 PPMCM 0.36818 ppm/cm
 HZCM 184.13878 Hz/cm







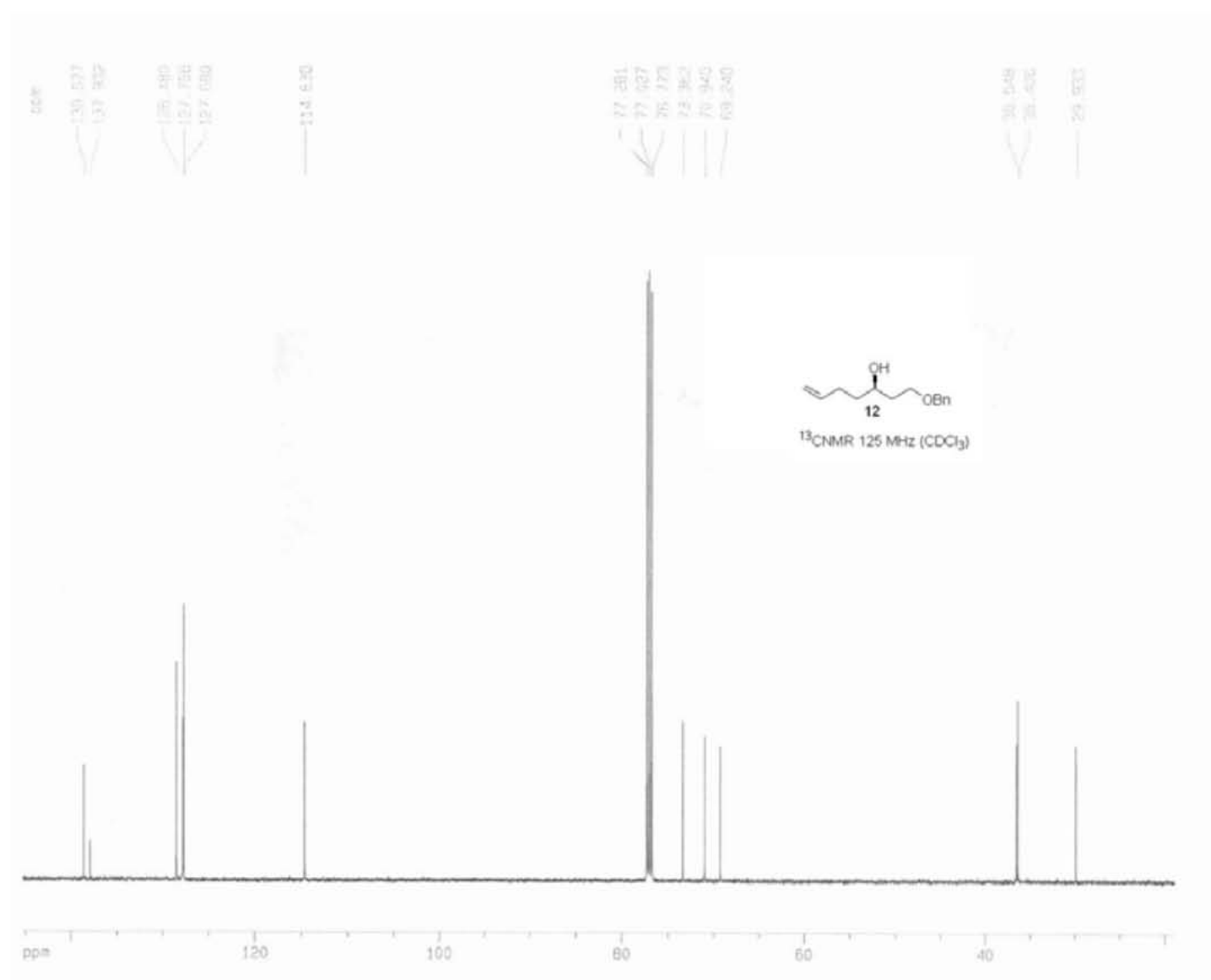
Current Data Parameters
 NAME 05300701
 EXPNO 19
 PROCNO 1

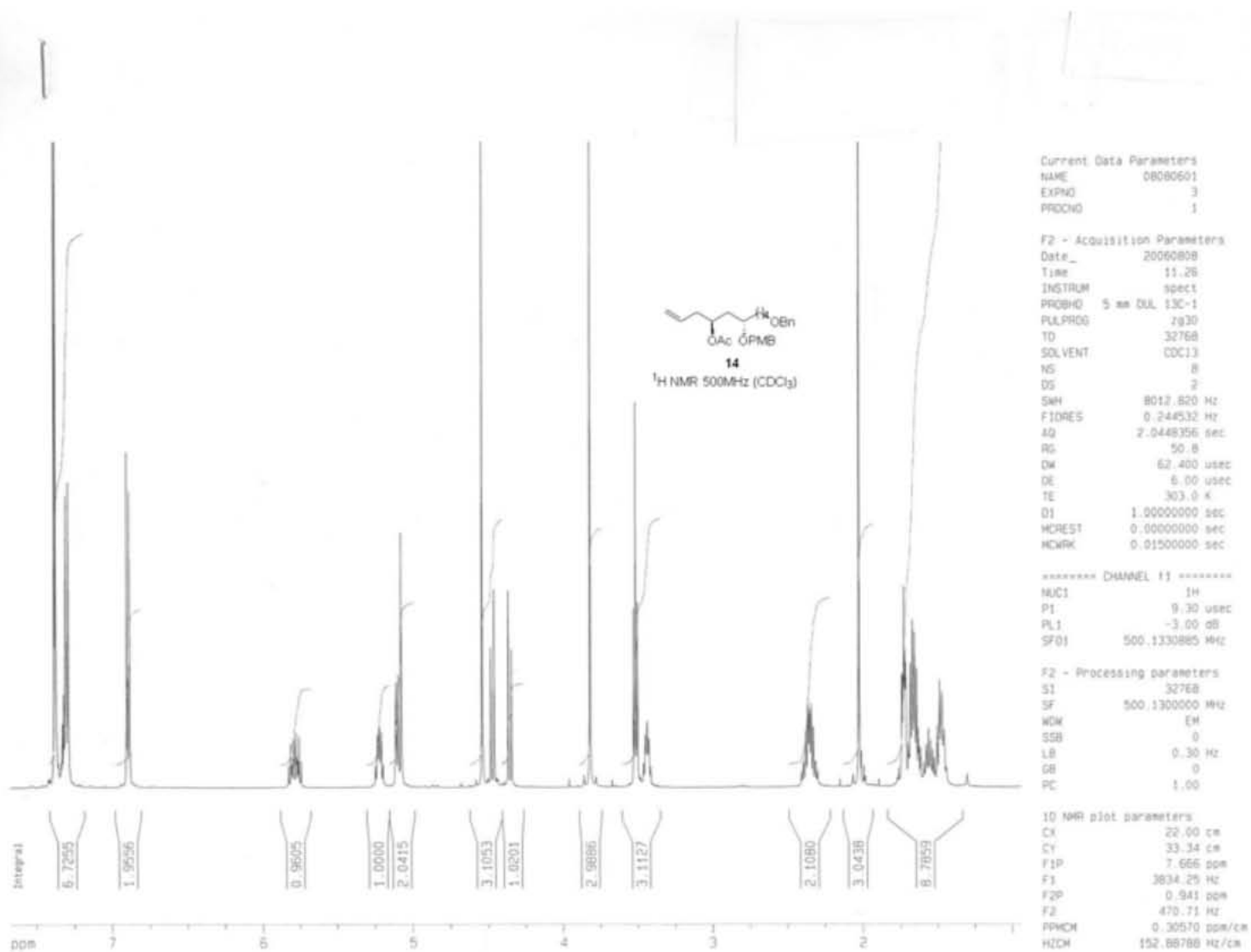
F2 - Acquisition Parameters
 Date_ 20070530
 Time 15:12
 INSTRUM spect
 PROBHD 5 mm CPDCH 13C
 PULPROG zg30
 TD 32768
 SOLVENT CDCl₃
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 CW 62.400 usec
 DE 5.00 usec
 TE 304.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCRM 0.01500000 sec

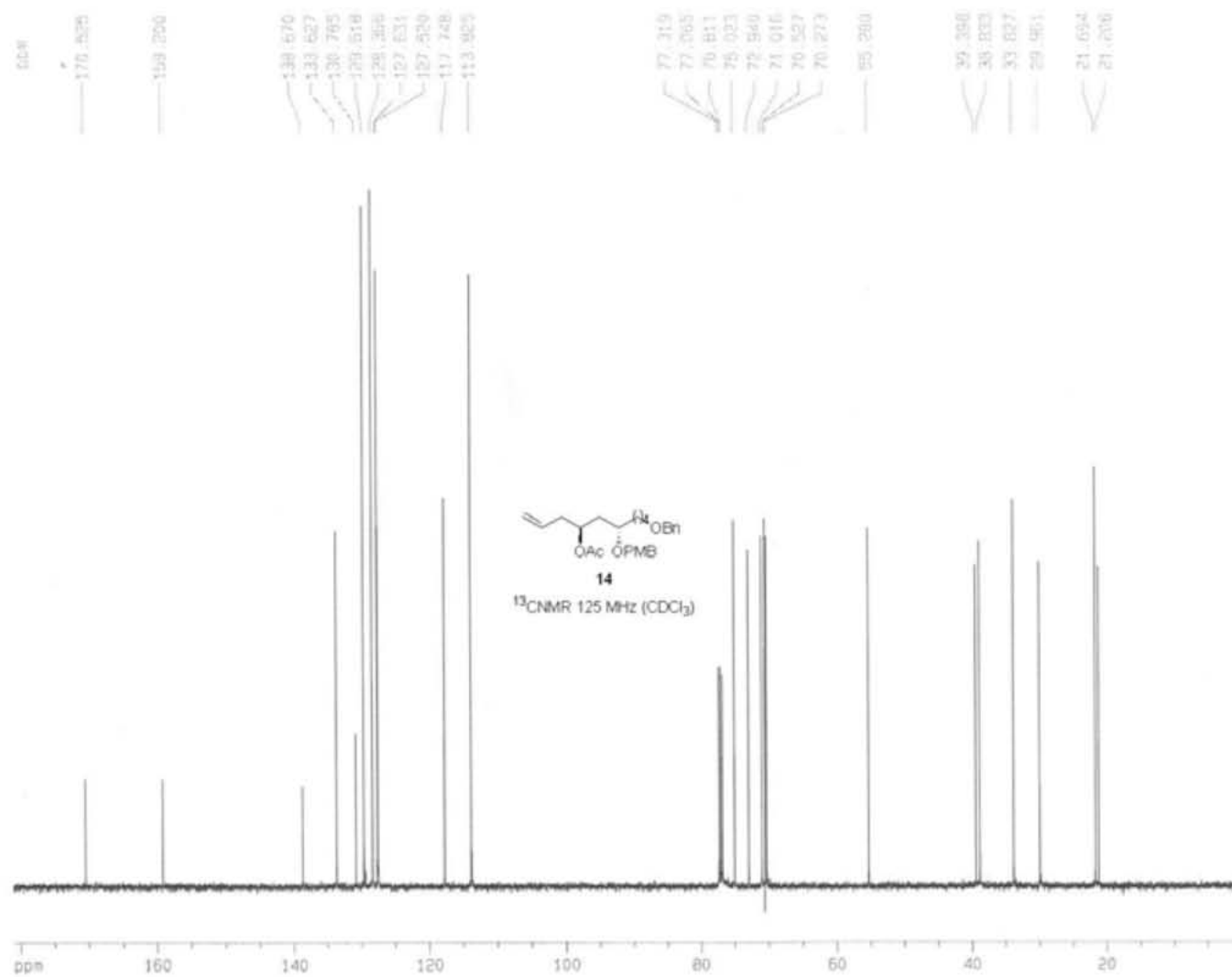
----- CHANNEL f1 -----
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SFO1 500.1330885 MHz

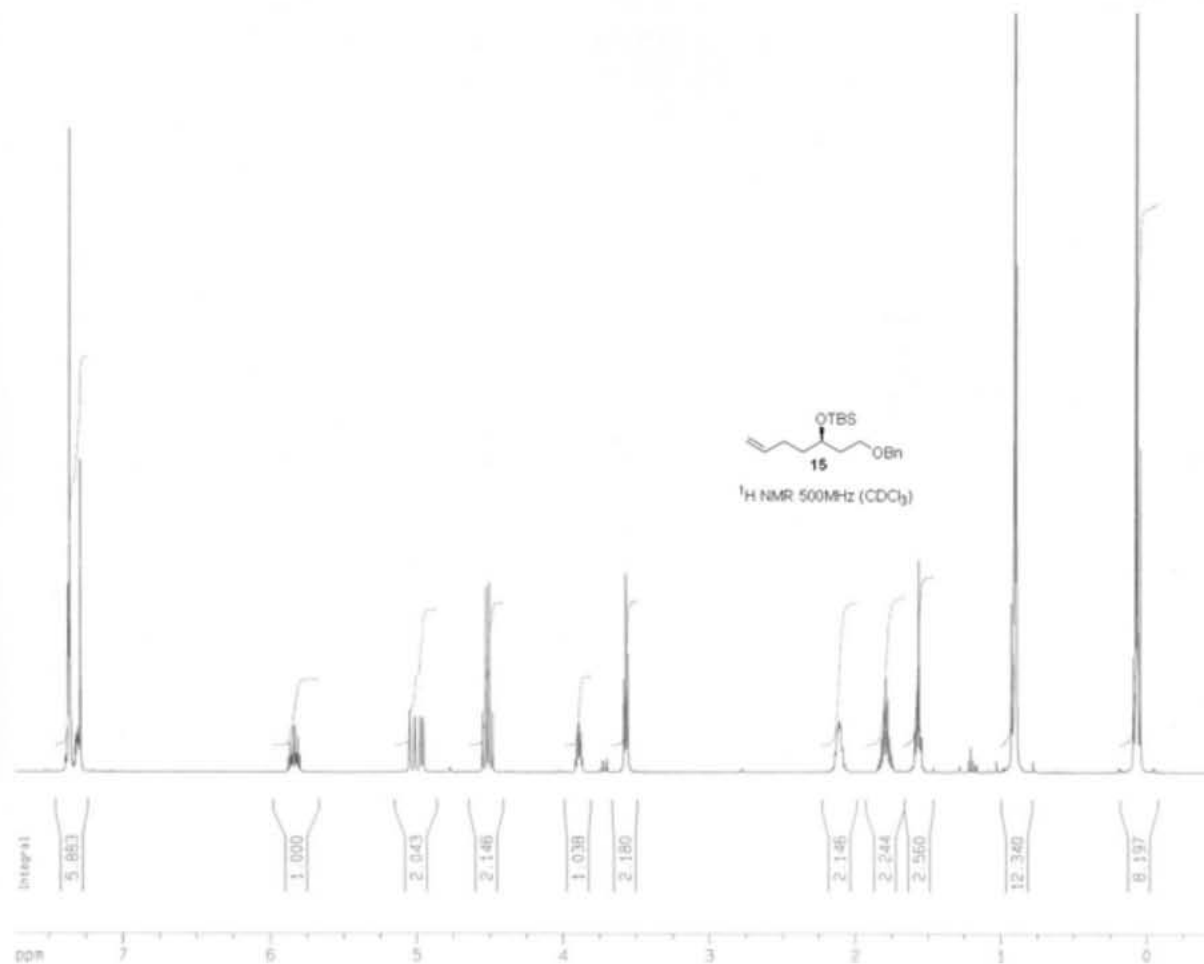
F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

TD NMR plot parameters
 CX 22.00 cm
 CY 9.73 cm
 F1P 7.684 ppm
 F1 3842.90 Hz
 F2P 0.631 ppm
 F2 315.62 Hz
 PPMEM 0.32058 ppm/cm
 HZCM 160.33055 Hz/cm









Current Data Parameters
NAME 05310701
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters

Date_ 20070531
Time 12:25
INSTRUM spect
PROBHD 5 mm QNPCH 13C
PULPROG zg30
TD 32768
SOLVENT CDCl₃
NS 8
DS 2
SWH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0448356 sec
RG 64
DM 62.400 usec
DE 6.00 usec
TE 304.0 K
D1 1.00000000 sec
HOREST 0.00000000 sec
HOREF 0.01500000 sec

***** CHANNEL f1 *****

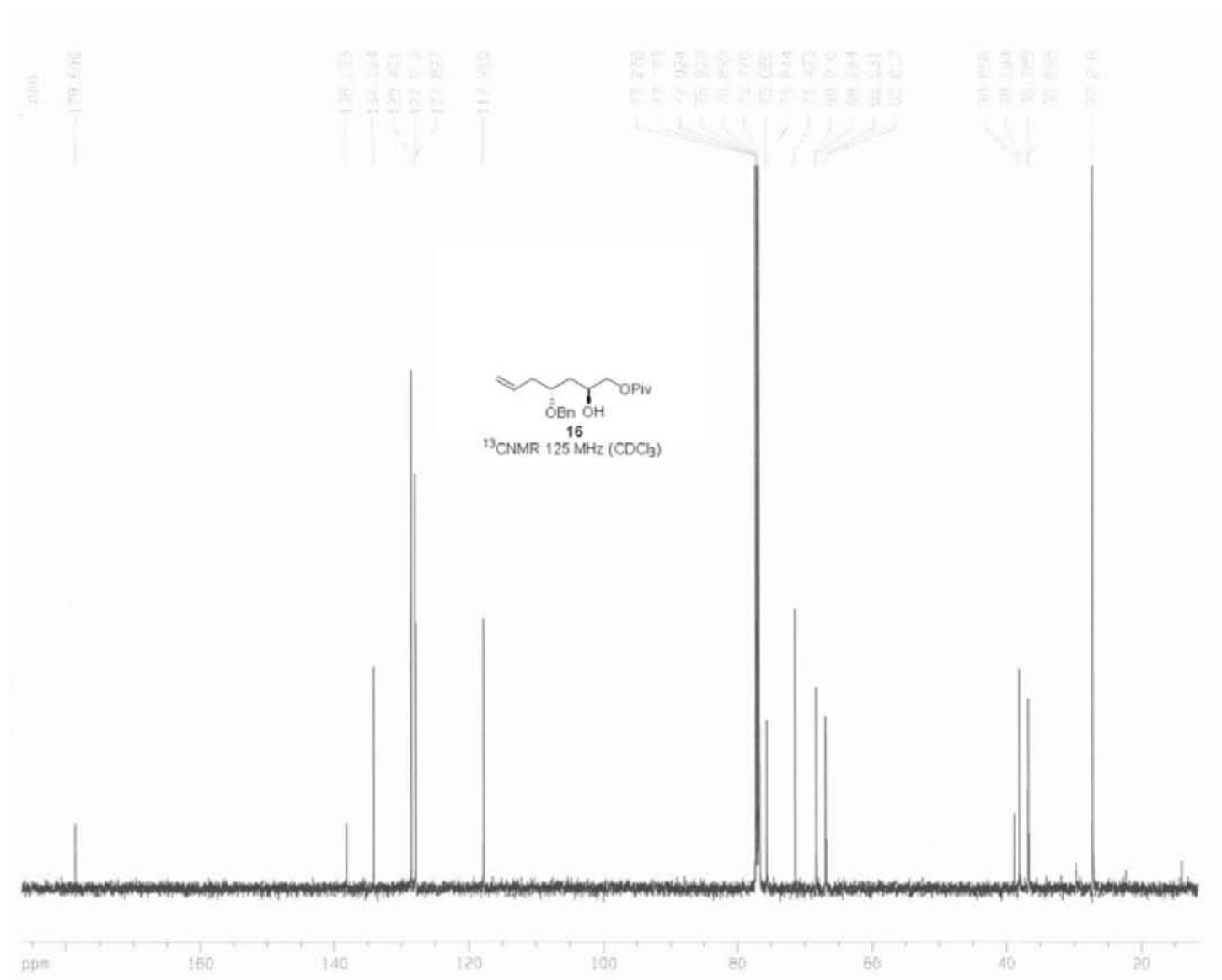
NUC1 1H
P1 9.25 usec
PL1 -0.50 dB
SFO1 500.1330885 MHz

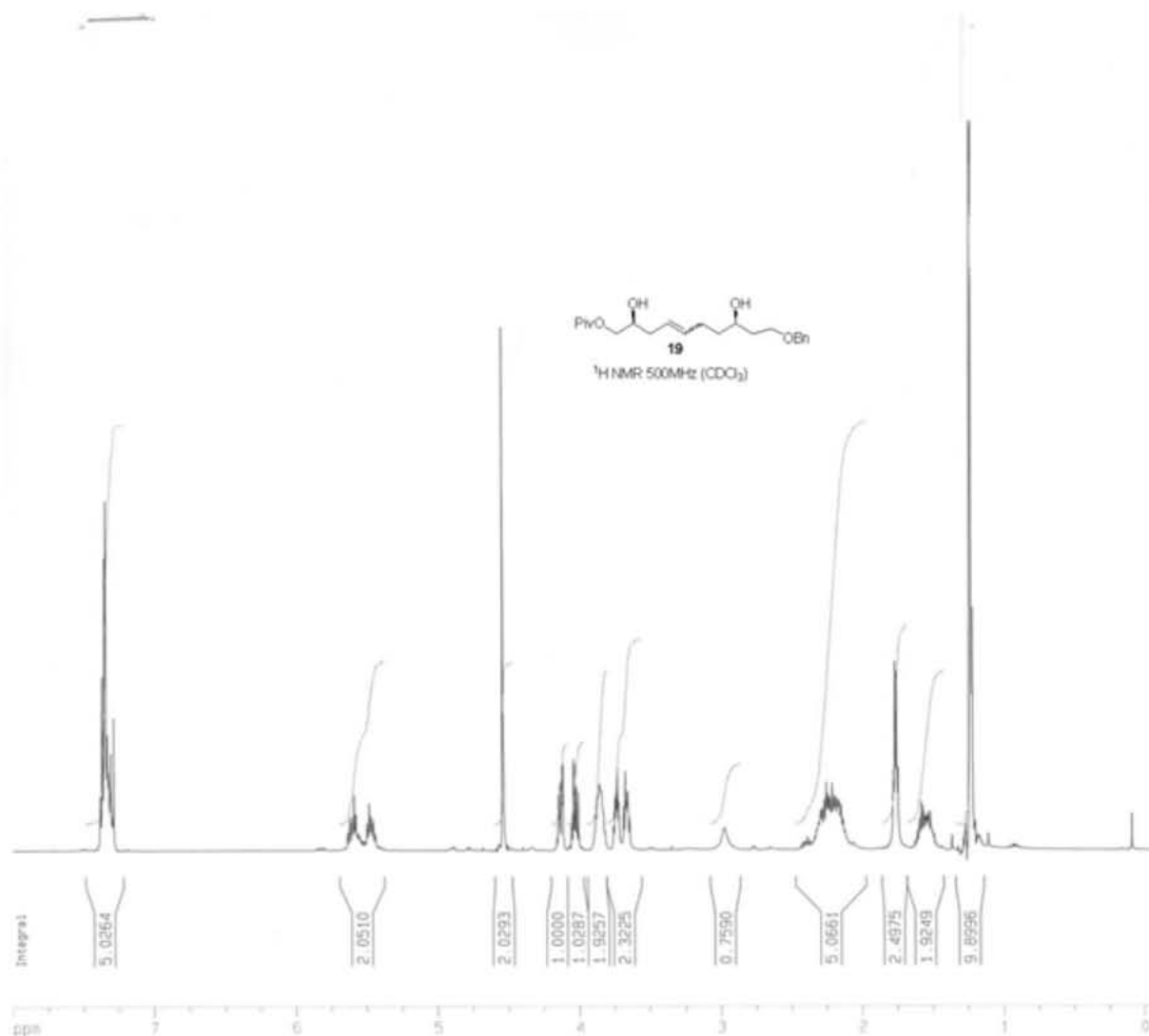
F2 - Processing parameters

SF 500.1330885 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D post plot parameters

CX 22.00 cm
CY 47.72 cm
FIP 7.725 ppm
F1 3863.29 Hz
F2P -0.429 ppm
F2 -214.49 Hz
PPHCH 0.37061 ppm/cm
H2CM 185.35324 Hz/cm





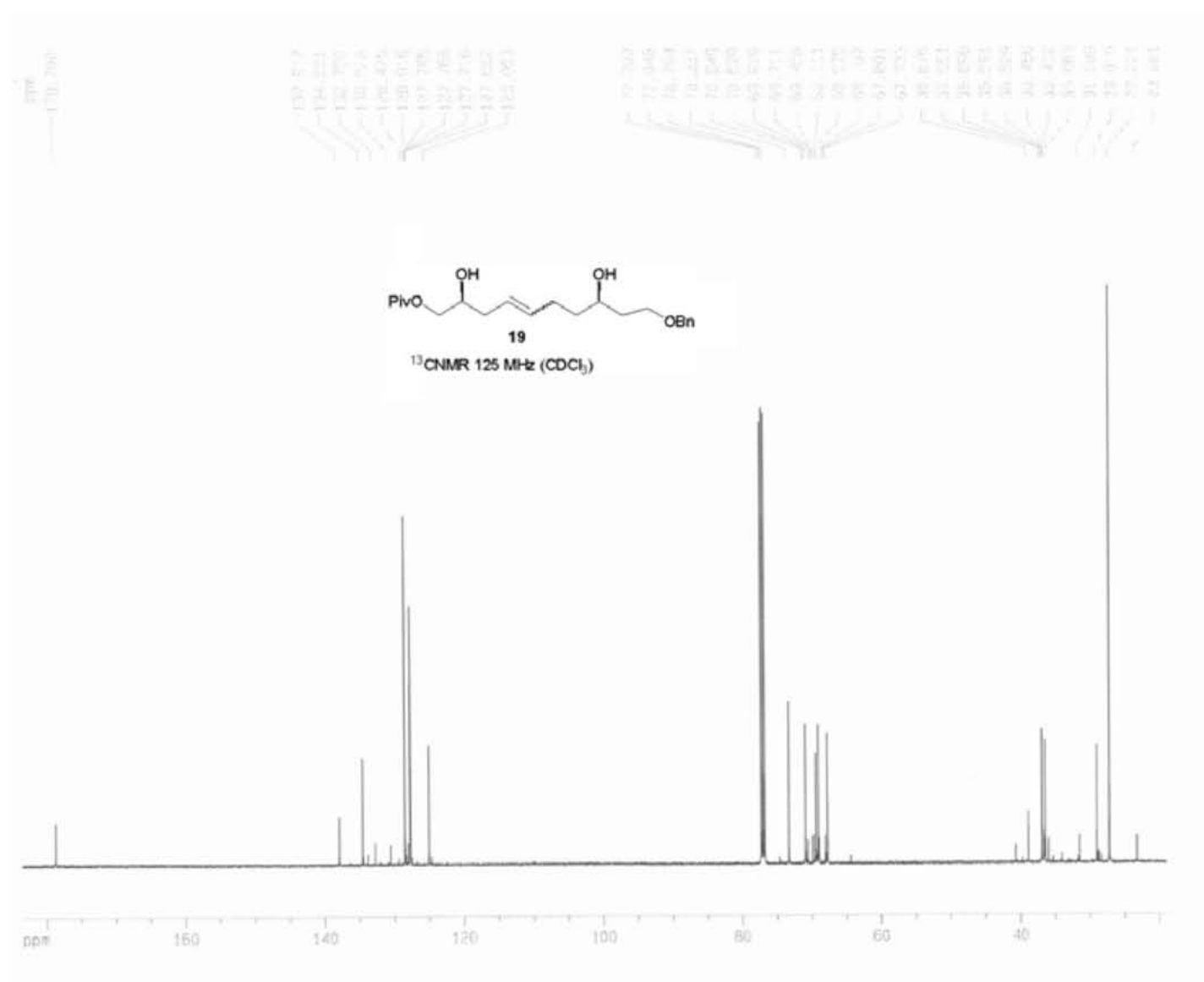
Current Data Parameters
 NAME 08150701
 EXPNO 20
 PROCNO 1

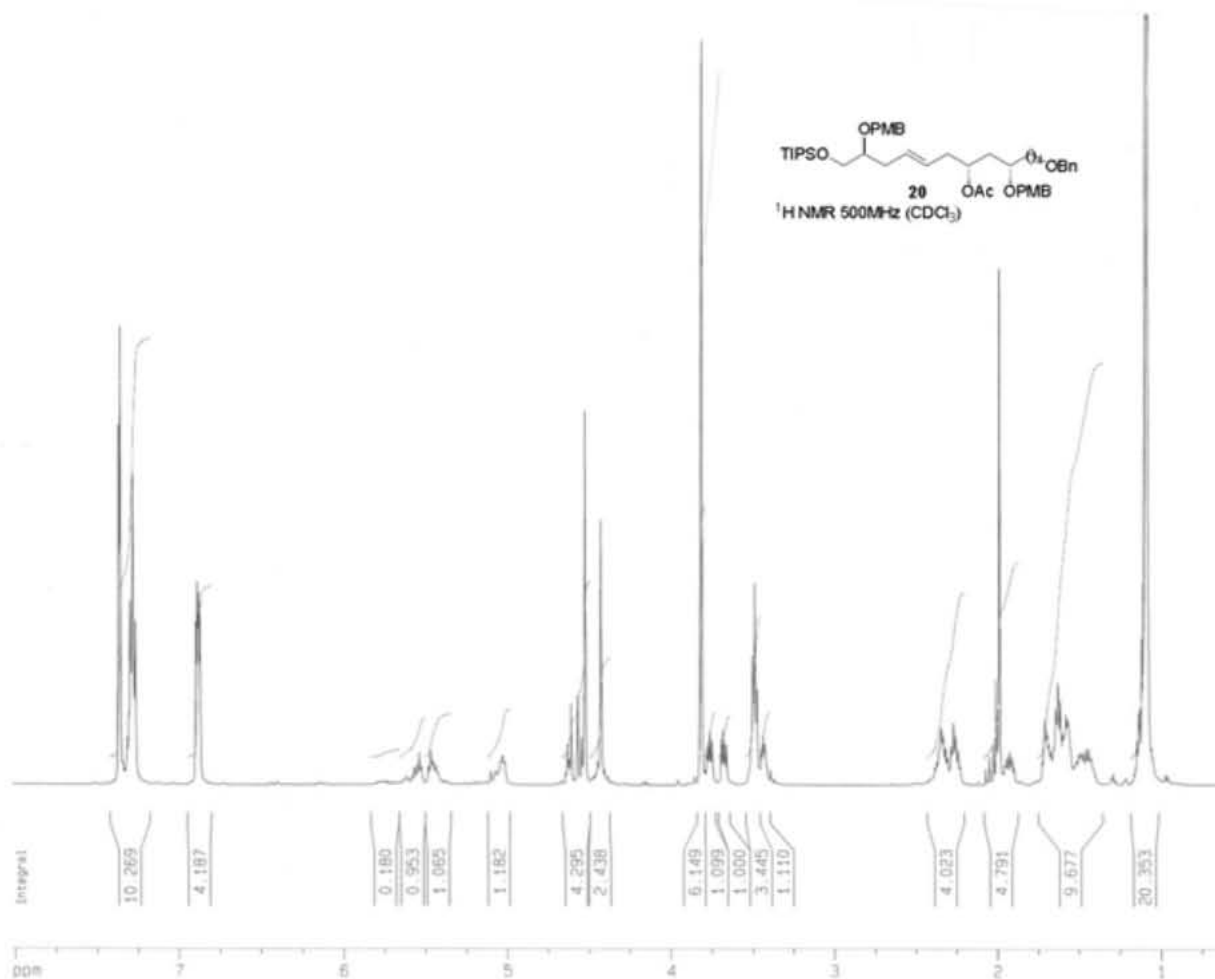
F2 - Acquisition Parameters
 Date_ 20070815
 Time 17.31
 INSTRUM spect
 PROBHD 5 mm CPOOH 13C
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 O1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWAK 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SF01 500.1330885 MHz

F2 - Processing parameters
 S1 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 52.73 cm
 F1P 8.000 ppm
 F1 4001.04 Hz
 F2P -0.100 ppm
 F2 -50.01 Hz
 RFMCM 0.36818 ppm/cm
 HZCM 184.13878 Hz/cm





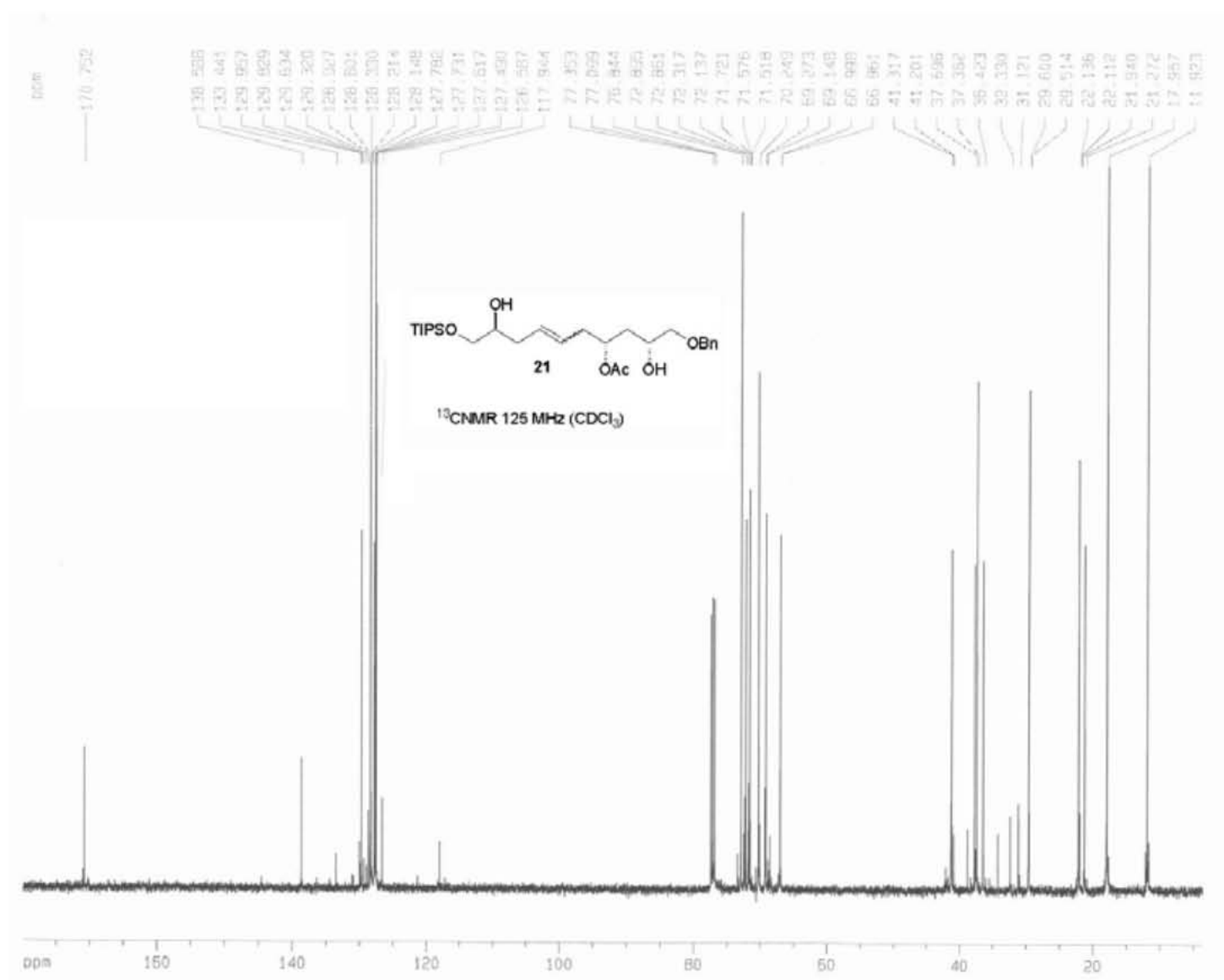
Current Data Parameters
 NAME 08250601
 EXPNO 4
 PROCNO 1

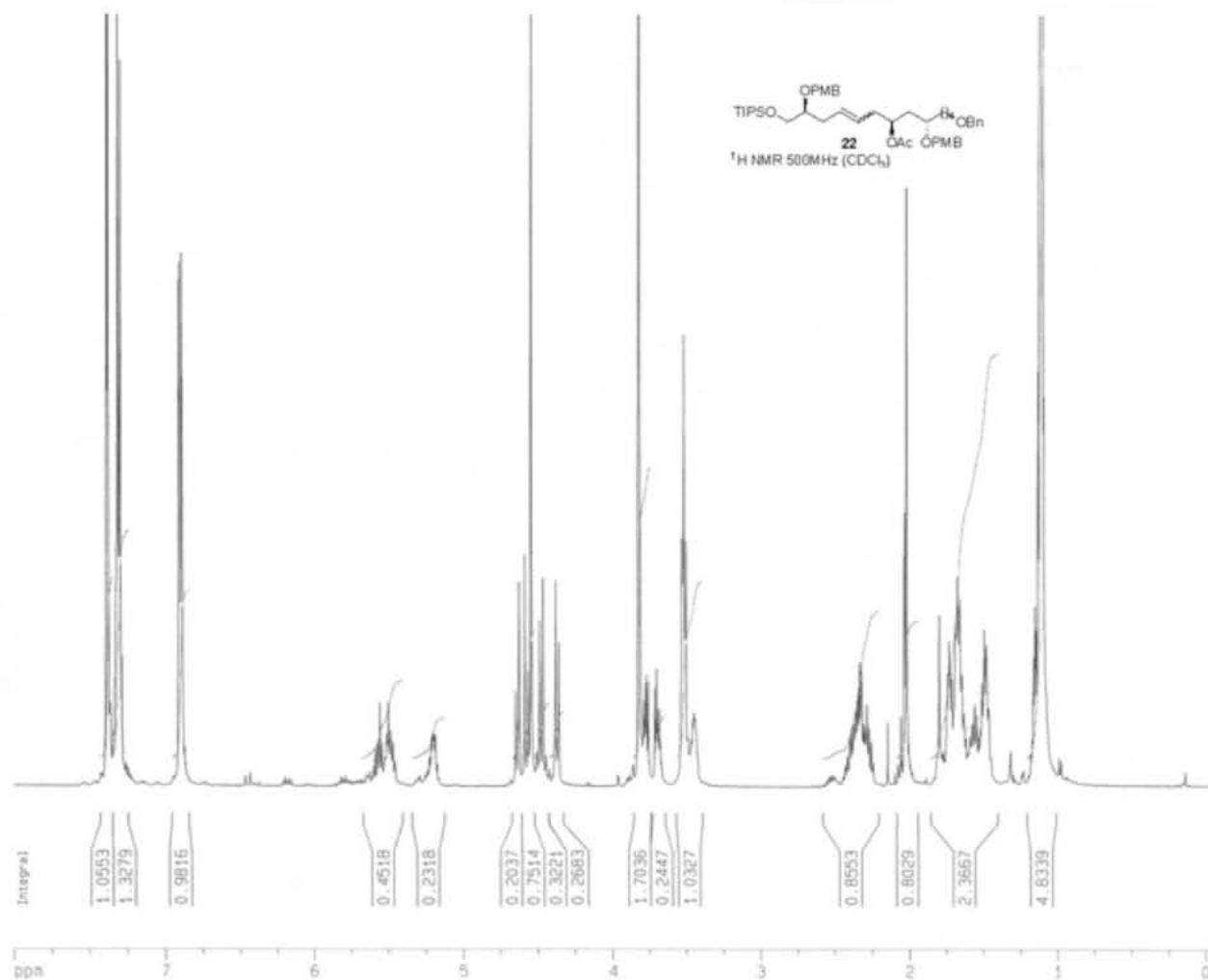
F2 - Acquisition Parameters
 Date_ 20060825
 Time 11:54
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 32768
 SOLVENT CDCl₃
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 50.8
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 D1 1.00000000 sec
 HOREST 0.00000000 sec
 MEWAK 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.30 usec
 PL1 -3.00 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1330000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 31.08 cm
 F1P 8.016 ppm
 F1 4009.11 Hz
 F2P 0.633 ppm
 F2 316.42 Hz
 PPMOH 0.33561 ppm/
 HZOH 167.84937 Hz/c





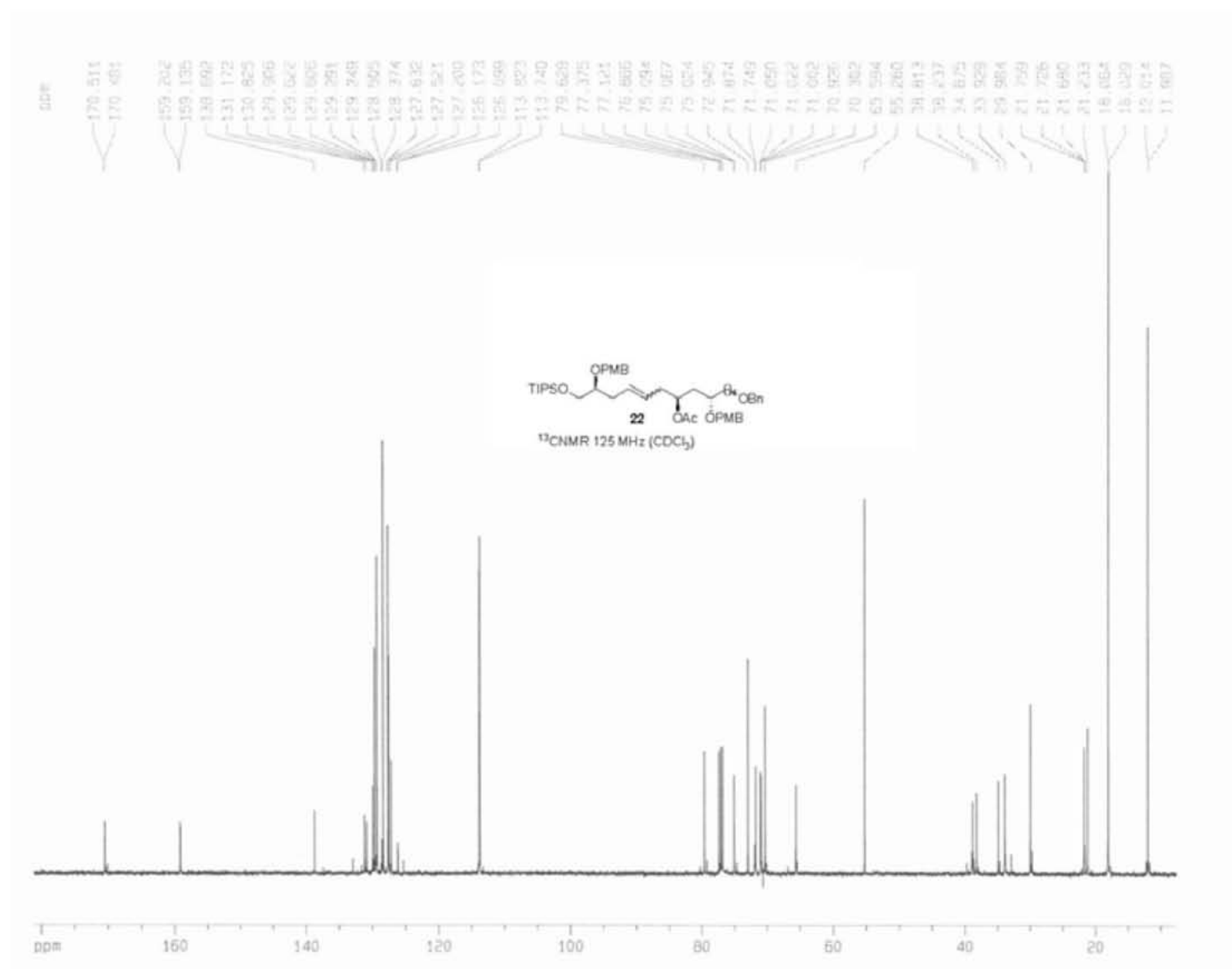
Current Data Parameters
 NAME 08090601
 EXPNO 33
 PROCNO 1

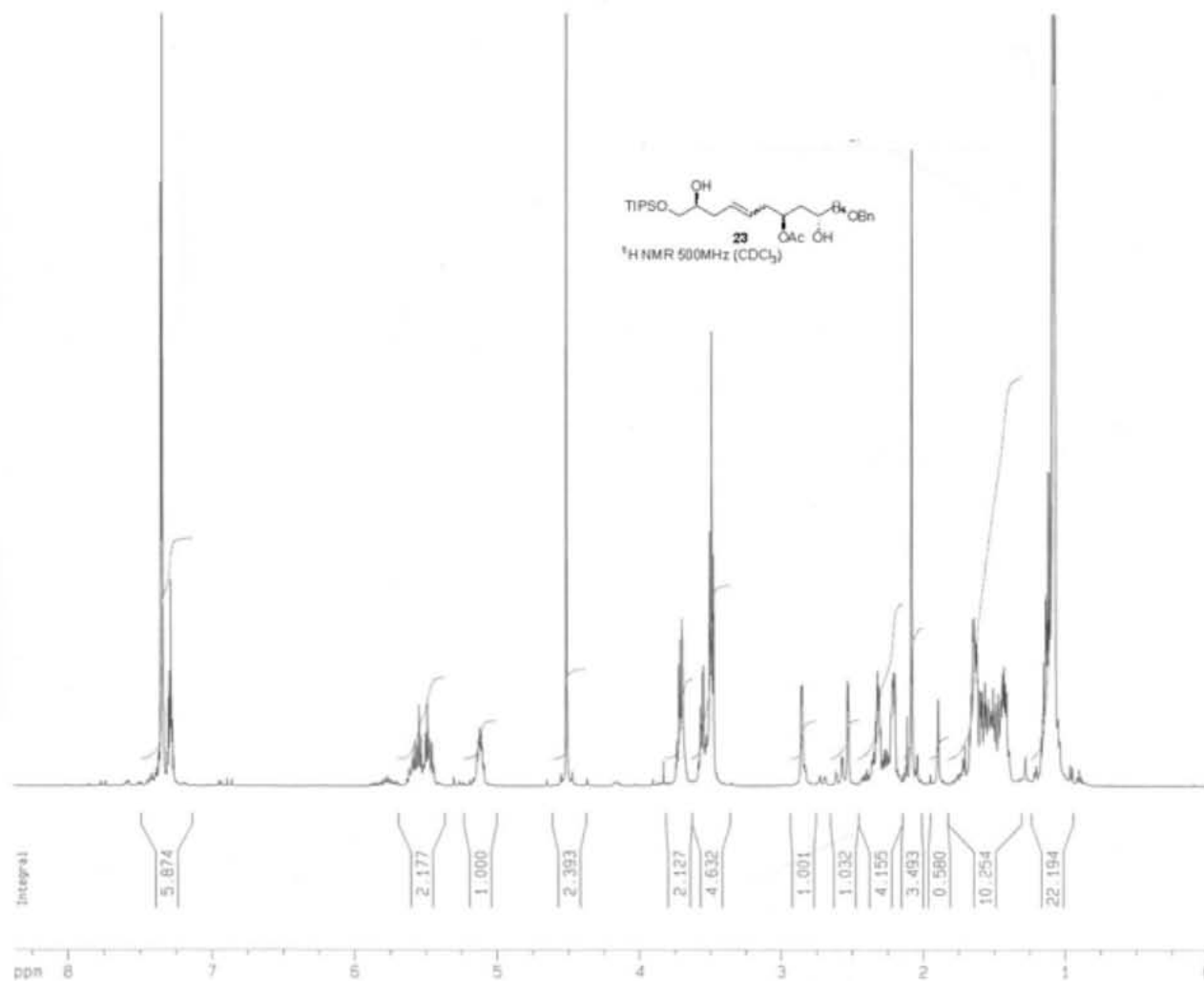
F2 - Acquisition Parameters
 Date_ 20060809
 Time 18.14
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 32
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWRR 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.30 usec
 PL1 -3.00 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 S1 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 78.67 cm
 F1P 8.000 ppm
 F1 4001.04 Hz
 F2P -0.100 ppm
 F2 -50.01 Hz
 PRMCH 0.36818 ppm/cm
 HZCM 184.13878 Hz/cm





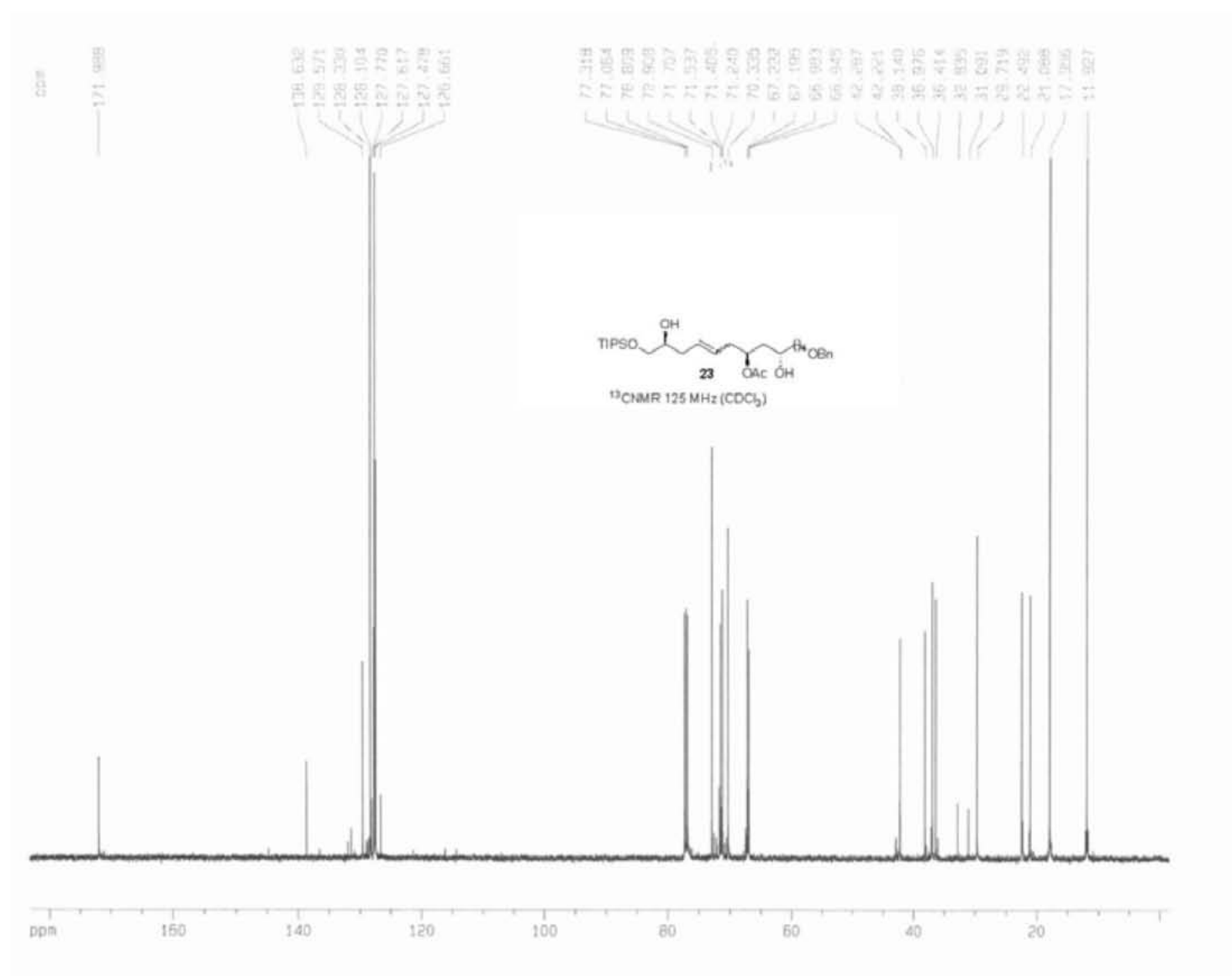
Current Data Parameters
 NAME 08100601
 EXPNO 8
 PROCNO 1

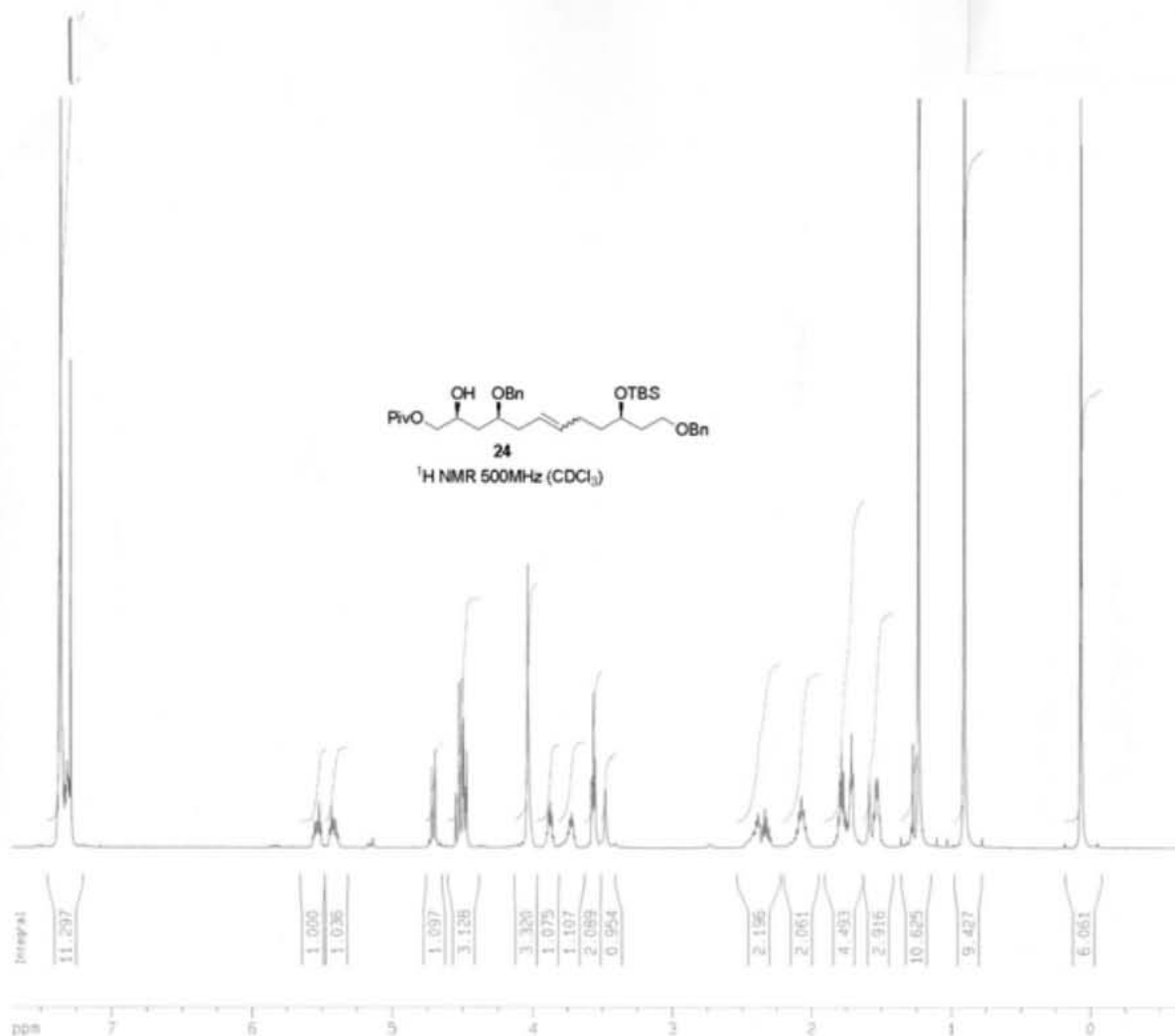
F2 - Acquisition Parameters
 Date_ 20060810
 Time 15.33
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 45.3
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCGRK 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.30 usec
 PL1 -3.00 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 61.56 cm
 FIP 8.377 ppm
 F1 4189.51 Hz
 F2P -0.103 ppm
 F2 -51.38 Hz
 PPMCM 0.38543 ppm/cm
 HZCM 192.76738 Hz/cm





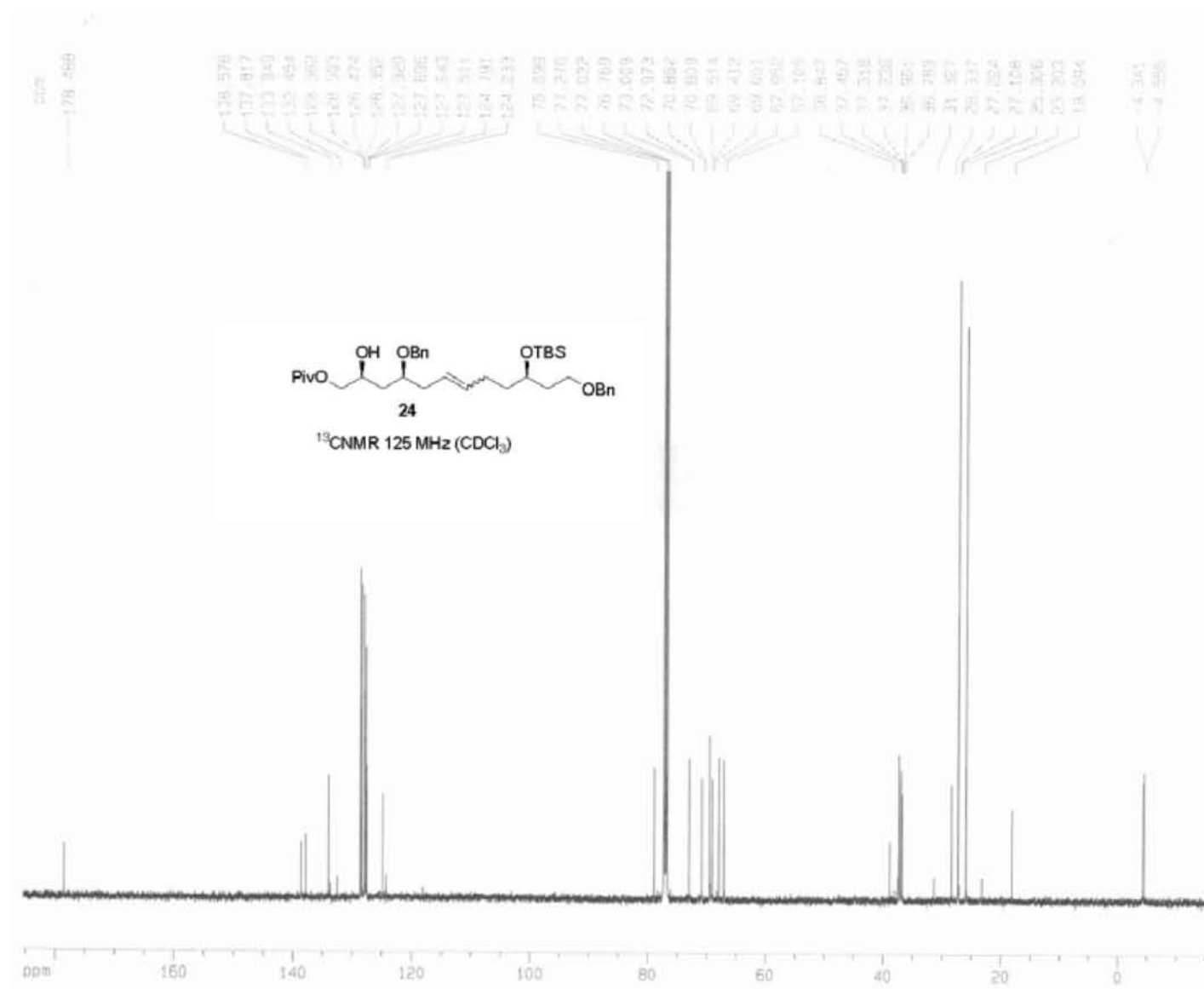
Current Data Parameters
 NAME 05310701
 EXPNO 21
 PROCNO 1

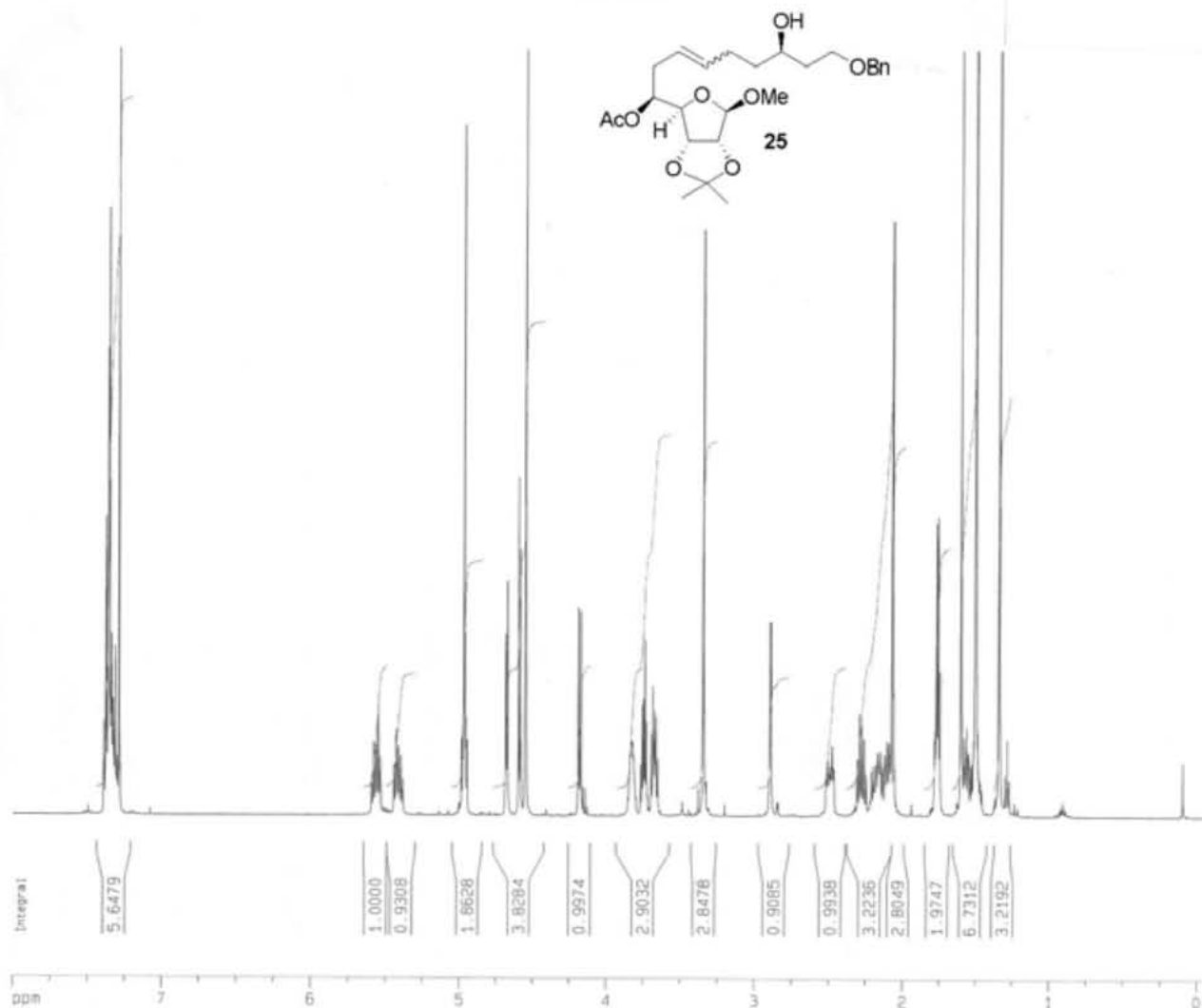
F2 - Acquisition Parameters
 Date_ 20070531
 Time 18:22
 INSTRUM spect
 PROBHD 5 mm CPOOH 13C
 PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.620 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 DW 62.400 usec
 DE 6.00 usec
 TE 304.0 K
 D1 1.00000000 sec
 HCREST 0.00000000 sec
 HCNK 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 S1 32768
 SF 500.1300000 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 43.74 cm
 F1P 7.704 ppm
 F1 3853.09 Hz
 F2P -0.694 ppm
 F2 -347.01 Hz
 PPMH 0.38173 ppm/cm
 HZCH 190.91363 Hz/cm





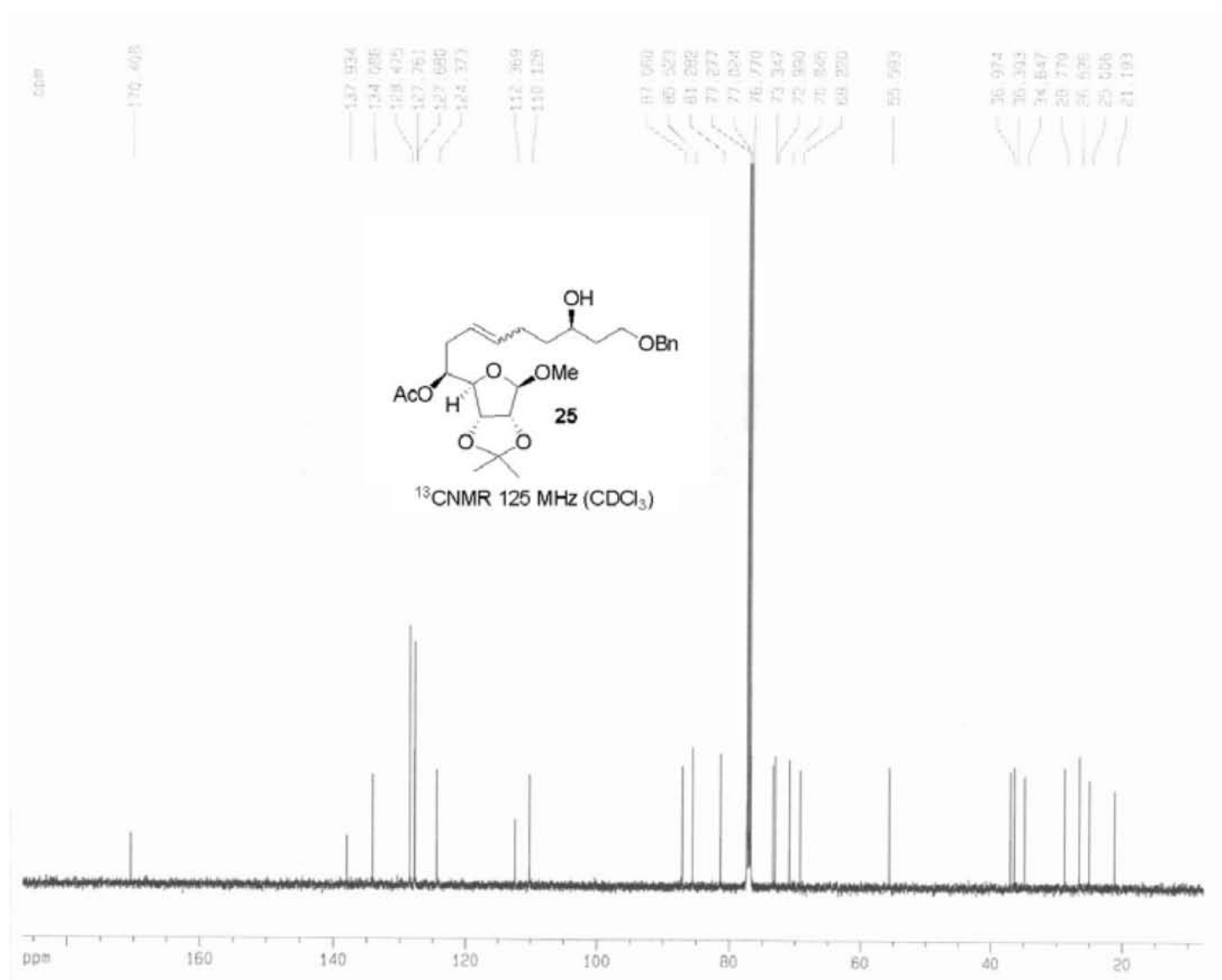
Current Data Parameters
 NAME 07250701
 EXPNO 15
 PROCNO 1

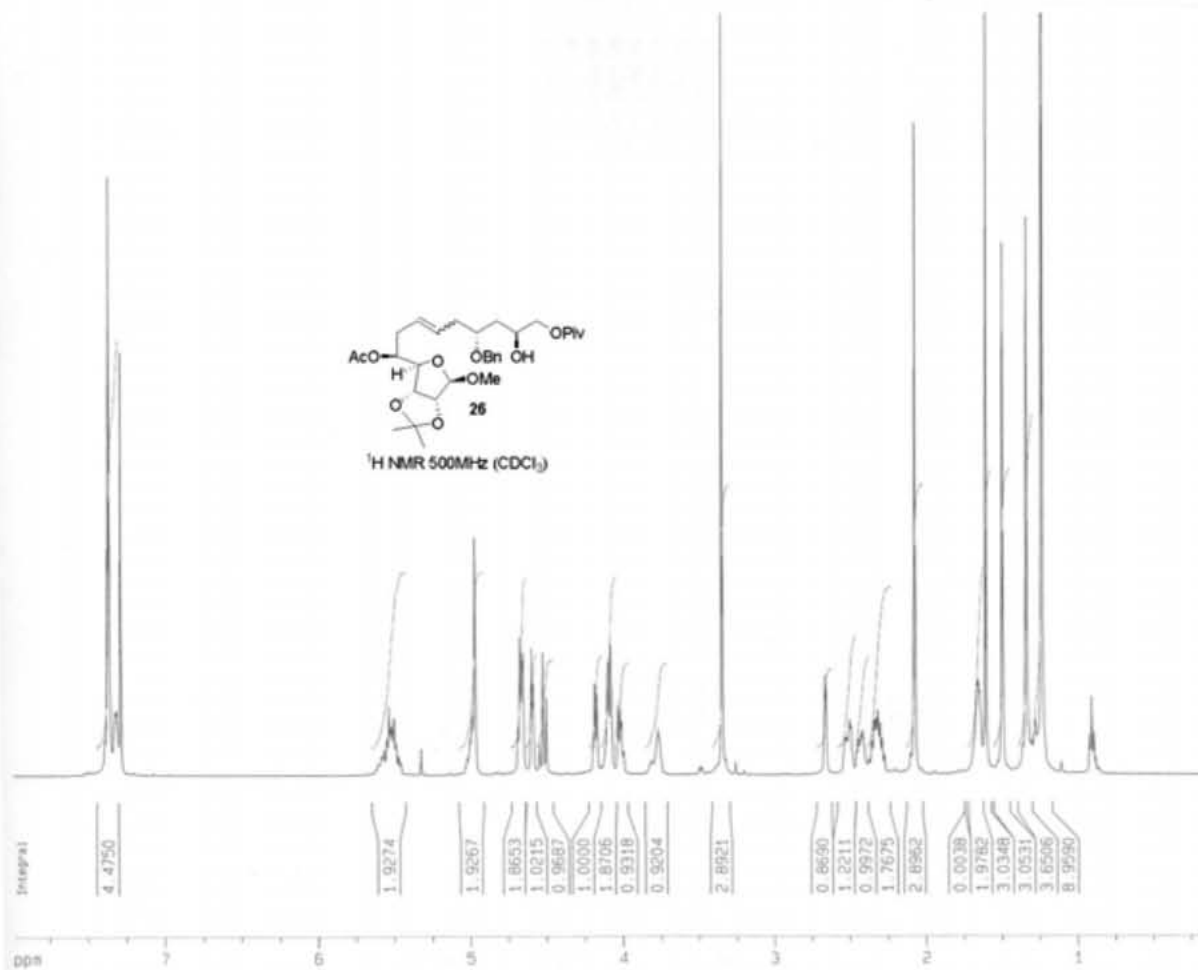
F2 - Acquisition Parameters
 Date_ 20070725
 Time 14.50
 INSTRUM spect
 PROBHD 5 mm CPDCH 13C
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 D1 1.0000000 sec
 MCREST 0.0000000 sec
 MCNRK 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 43.74 cm
 FIP 8.000 ppm
 F1 4001.04 Hz
 F2P -0.100 ppm
 F2 -50.01 Hz
 PPMCM 0.36818 ppm/cm
 HZCM 184.13678 Hz/cm





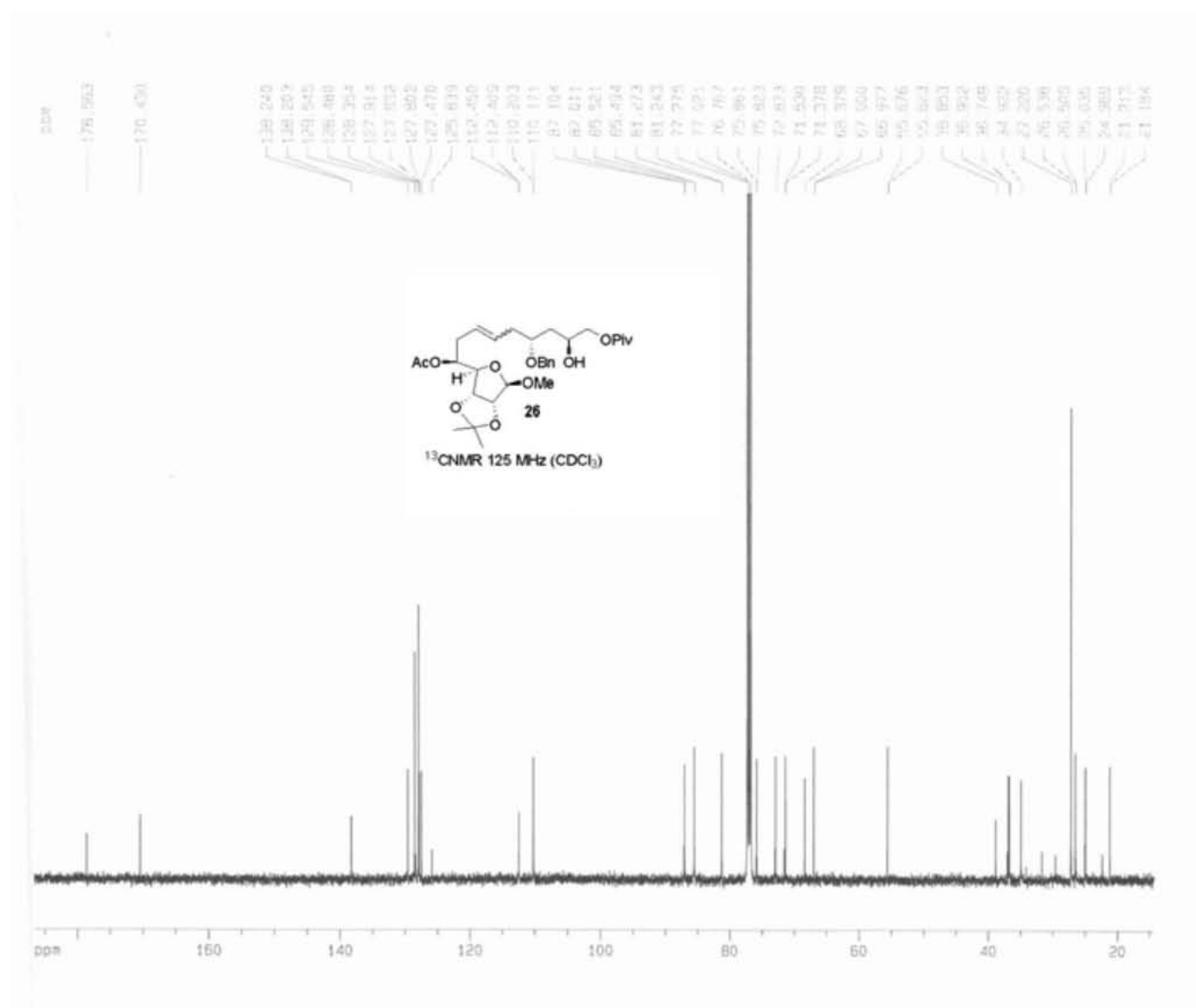
Current Data Parameters
NAME 07190701
EXPNO 8
PROCNO 1

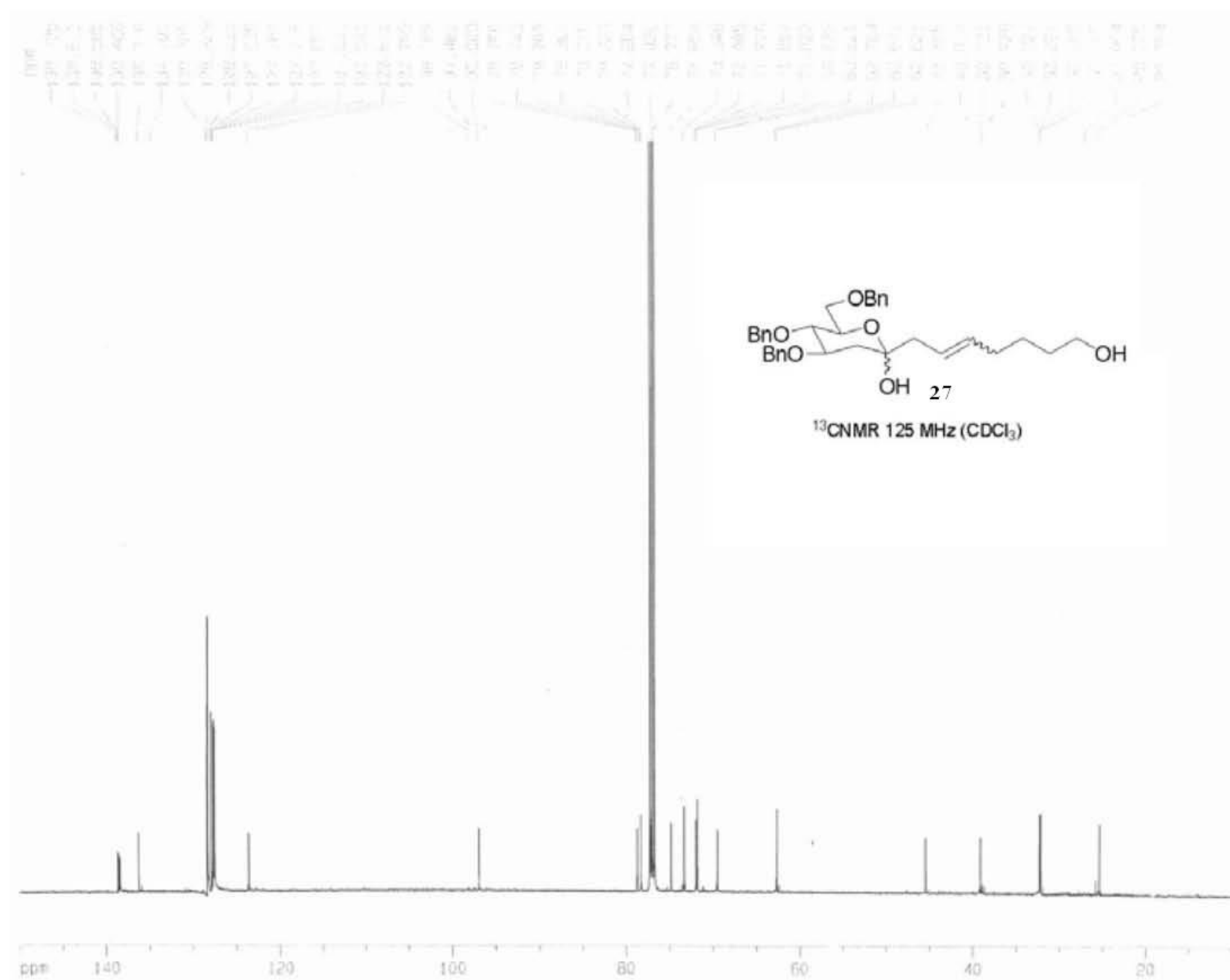
F2 - Acquisition Parameters
Date_ 20070719
Time 14.00
INSTRUM spect
PROBHD 5 mm CPOCH 13C
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 8
DS 2
SWH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0448356 sec
RG 64
DW 62.400 usec
DE 6.00 usec
TE 304.0 K
D1 1.00000000 sec
HCREST 0.00000000 sec
HCRK 0.01500000 sec

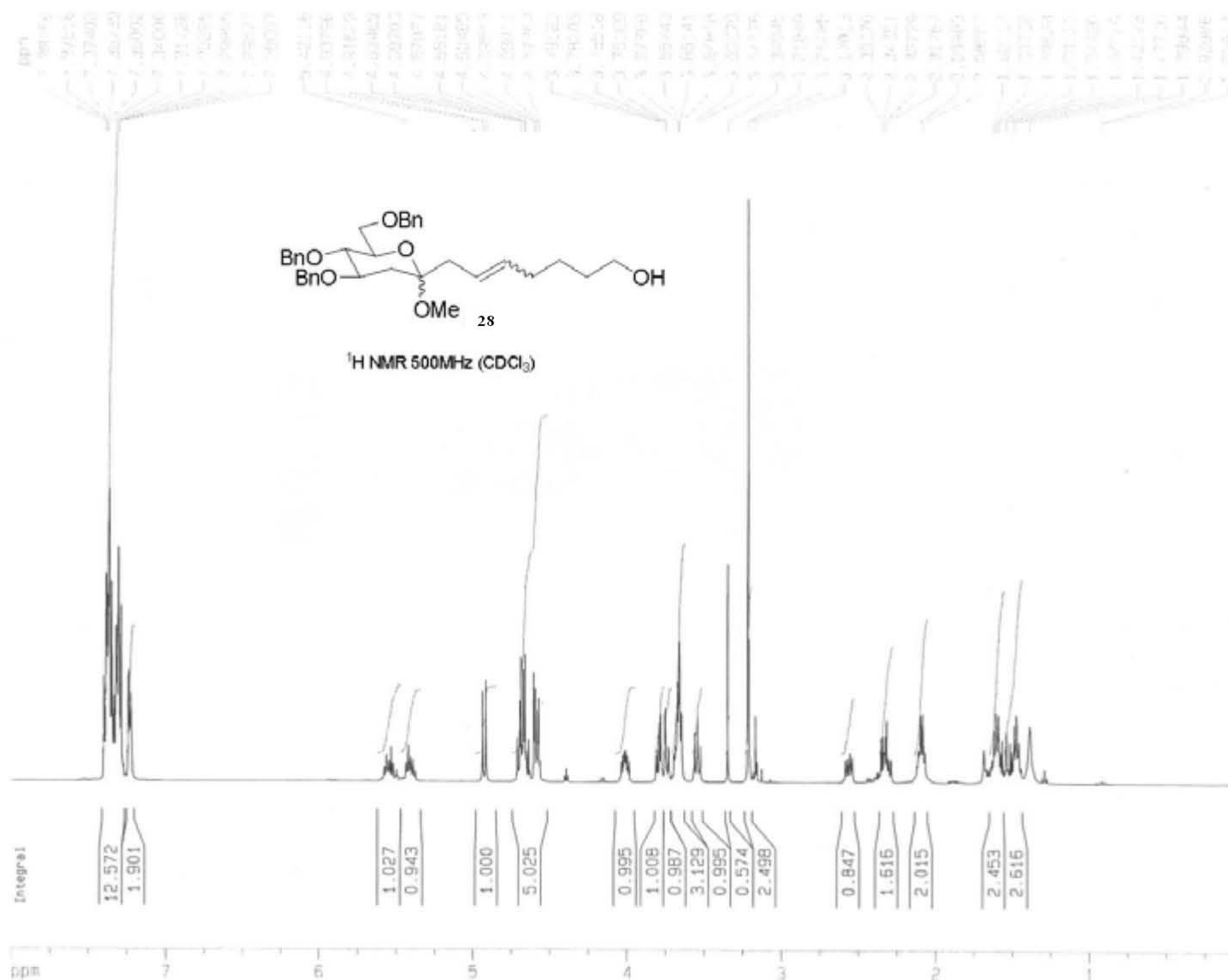
----- CHANNEL f1 -----
NUC1 1H
P1 9.25 usec
PL1 -0.50 dB
SFO1 500.1330885 MHz

F2 - Processing parameters
S1 32768
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 22.00 cm
CY 43.74 cm
F1P 7.990 ppm
F1 3995.81 Hz
F2P 0.142 ppm
F2 70.96 Hz
PPMCH 0.35671 ppm/cm
HZCH 178.40248 Hz/cm







Current Data Parameters

NAME 08080701
EXPNO 13
PROCNO 1

F2 - Acquisition Parameters

Date_ 20070808
Time 15.29
INSTRUM spect
PROBHD 5 mm CPOCH 13C
PULPROG zg30
TD 32768
SOLVENT C6D6
NS 8
DS 2
SWH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0448356 sec
RG 64
DM 62.400 usec
DE 6.00 usec
TE 303.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

***** CHANNEL f1 *****

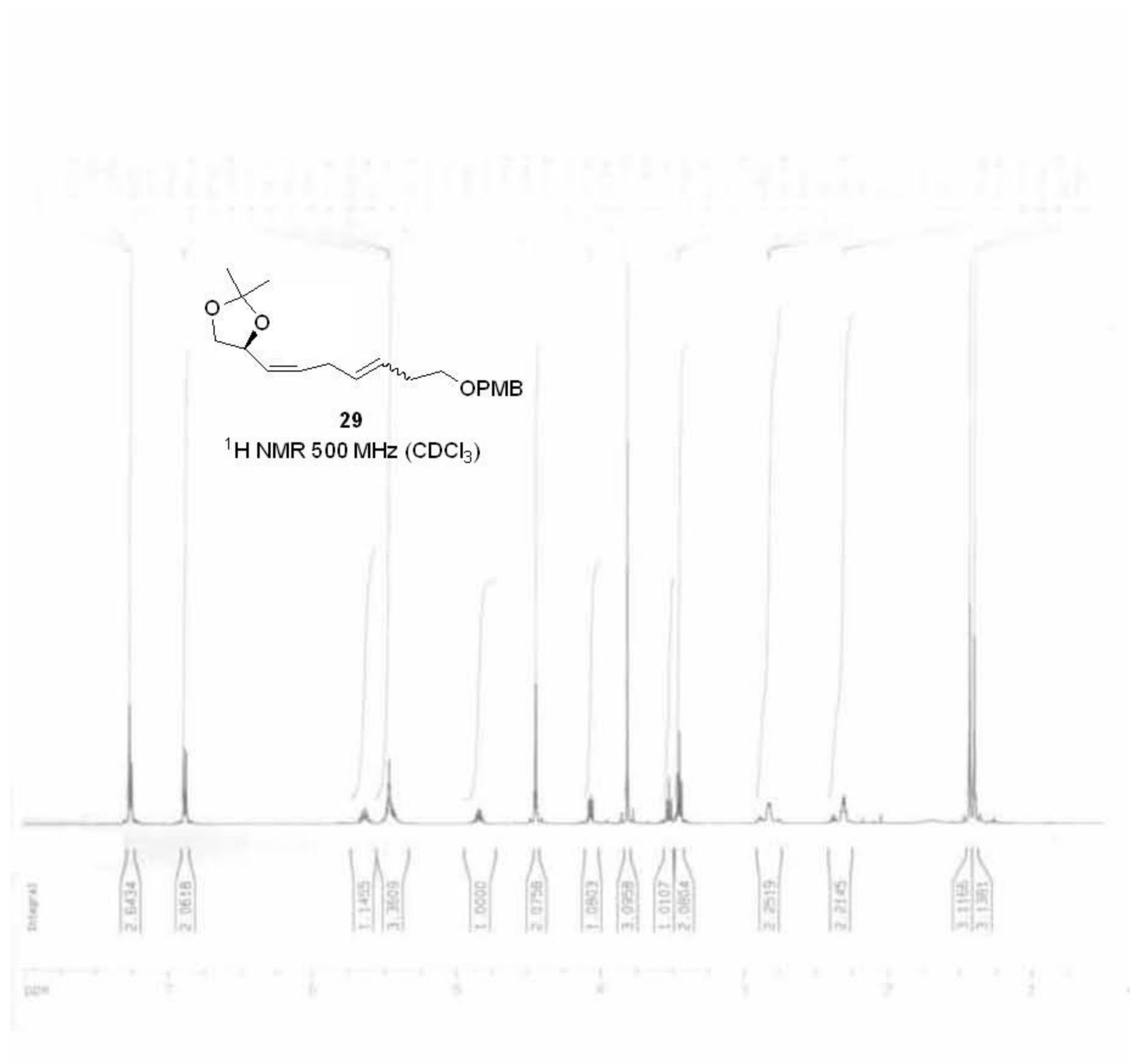
NUC1 1H
P1 9.25 usec
PL1 -0.50 dB
SF01 500.1330885 MHz

F2 - Processing parameters

SI 32768
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters

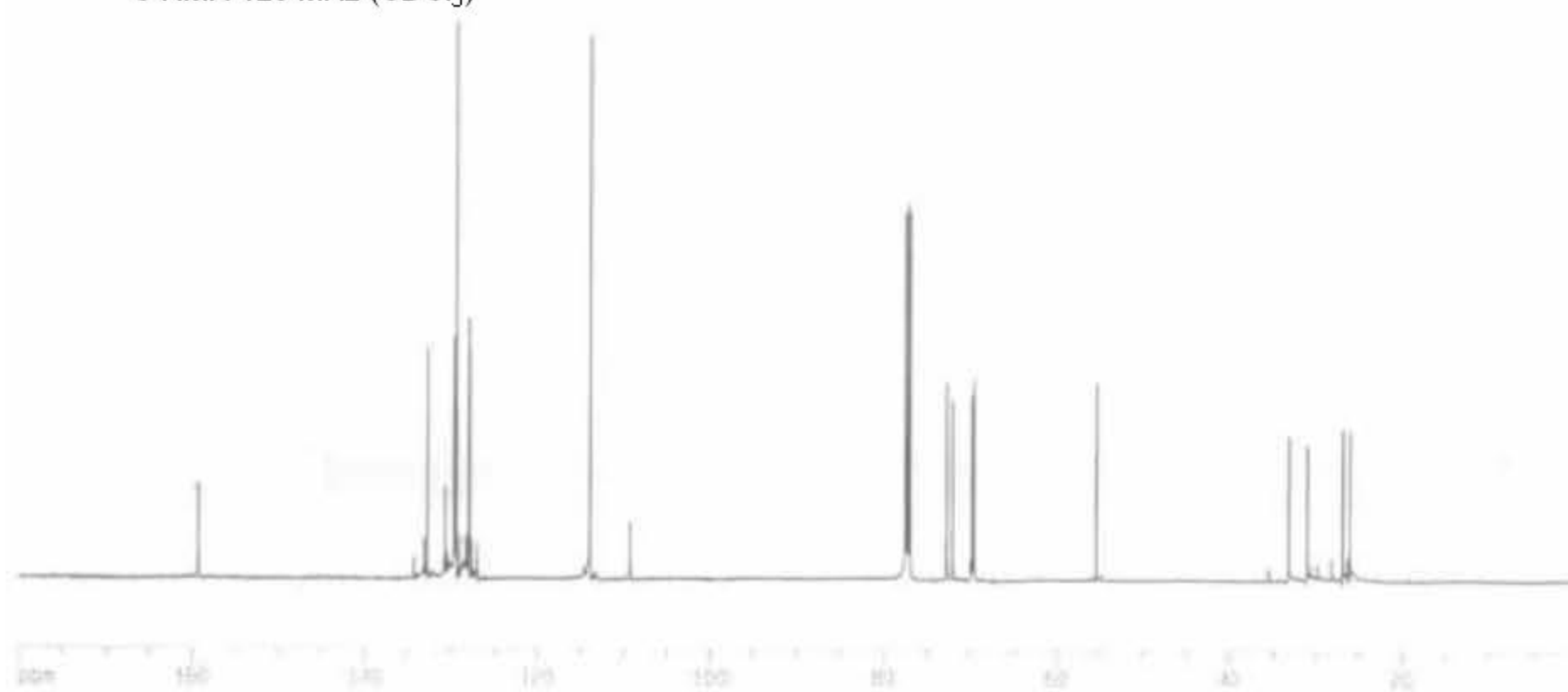
CX 22.00 cm
CY 10.49 cm
F1P 8.000 ppm
F1 4001.04 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCM 0.36364 ppm/cm
HZCM 181.86546 Hz/cm

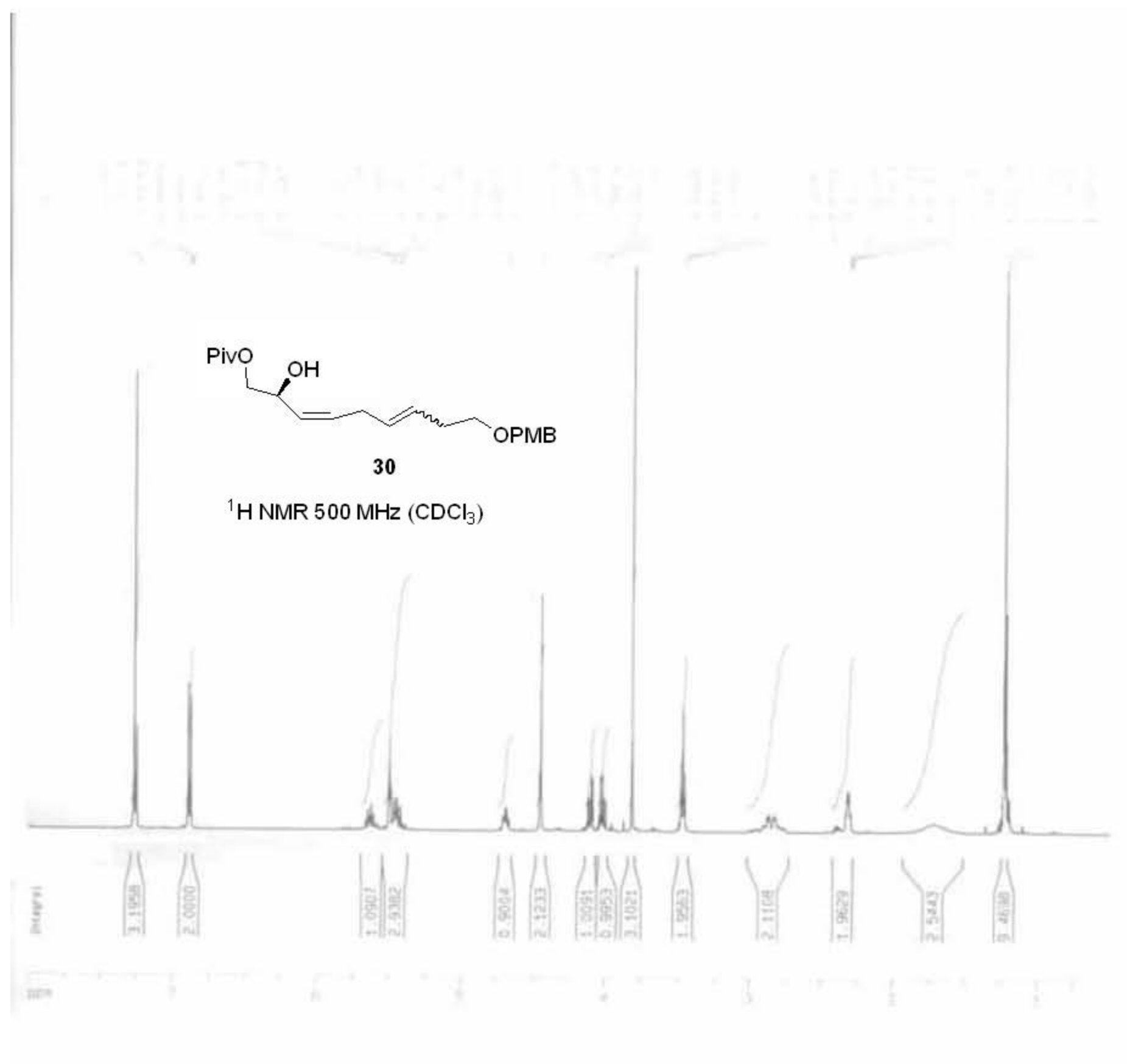


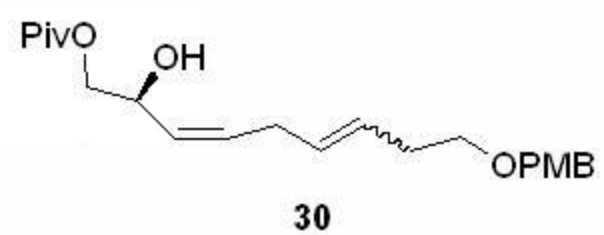


29

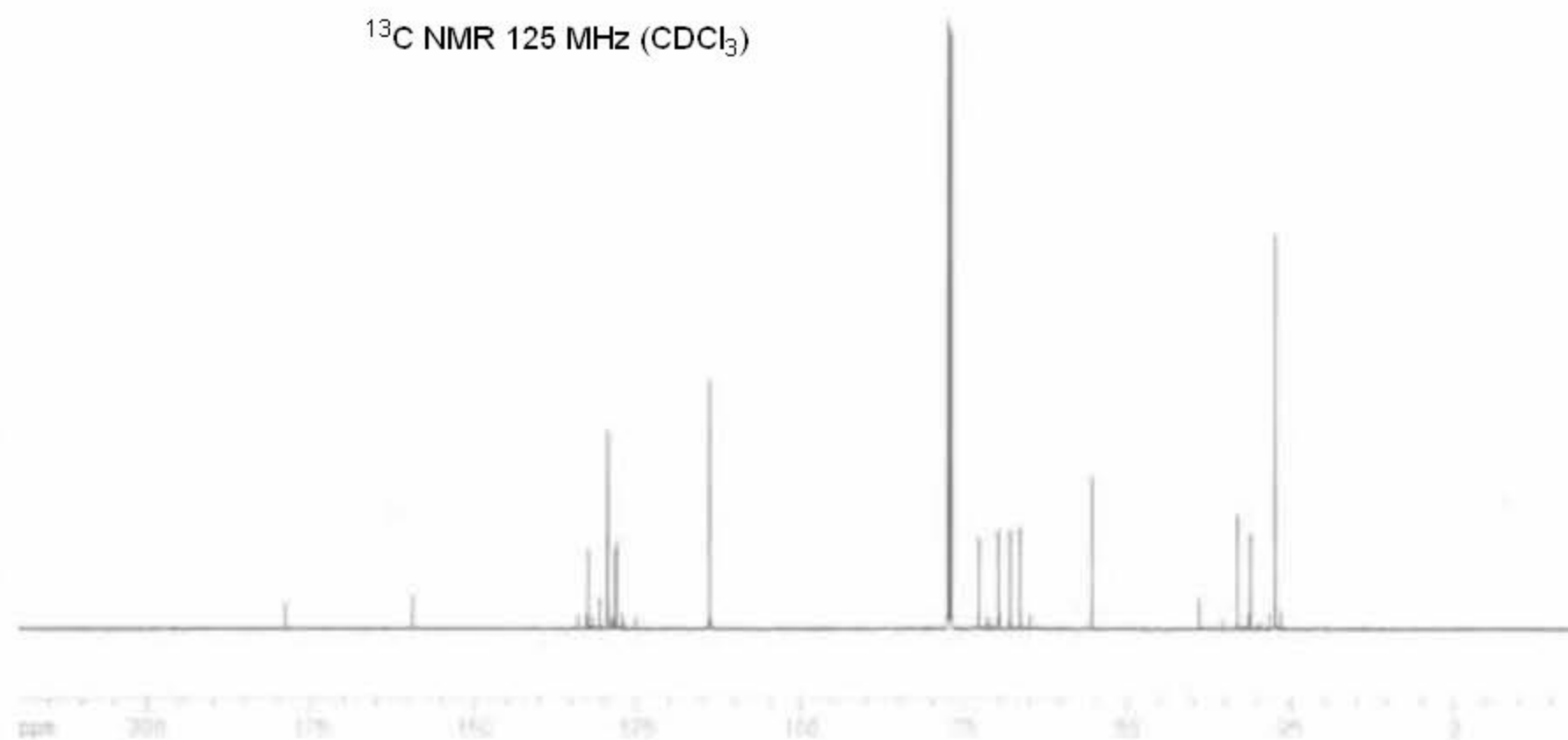
^{13}C NMR 125 MHz (CDCl_3)

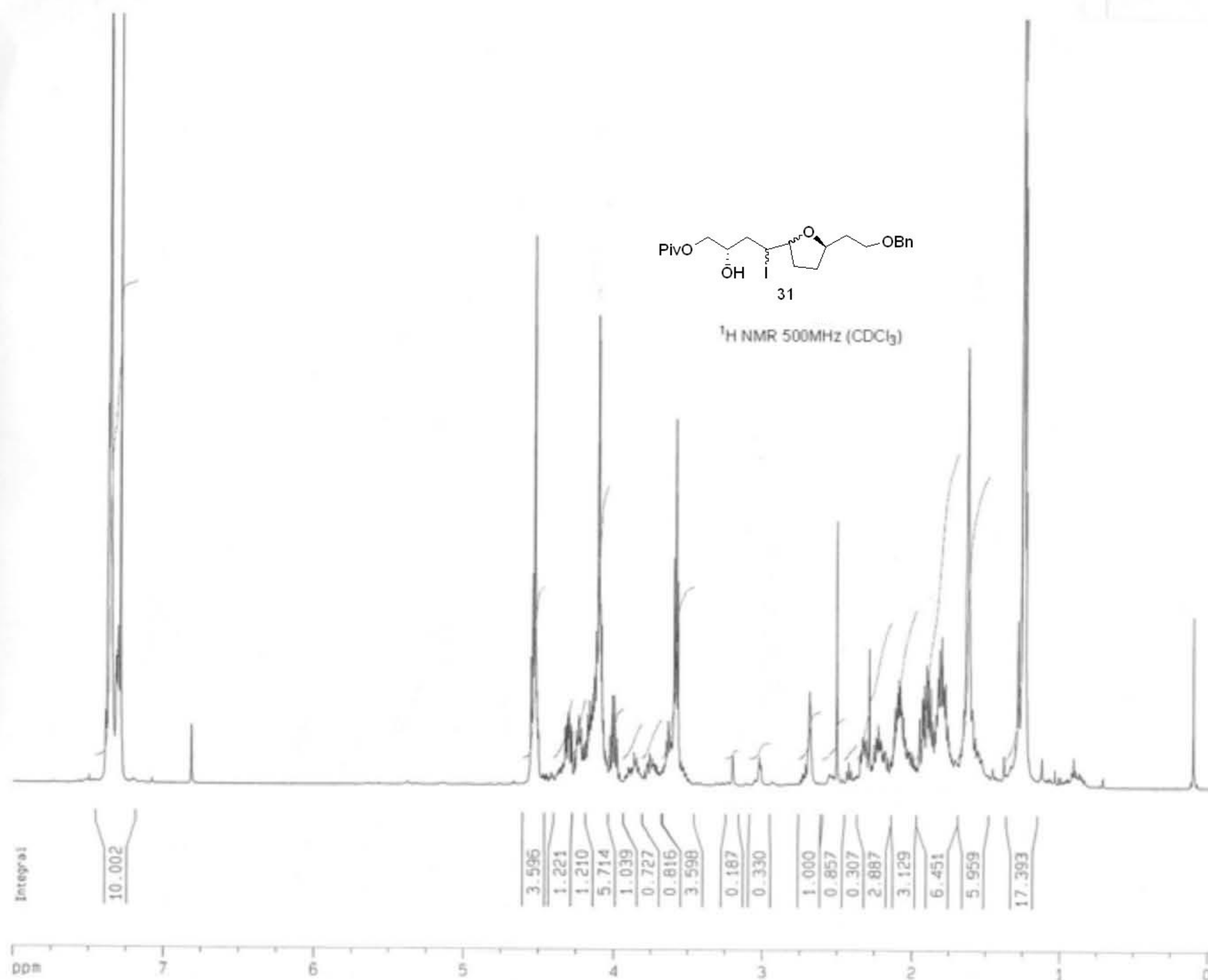






^{13}C NMR 125 MHz (CDCl_3)





Current Data Parameters

NAME 07170701
EXPNO 25
PROCNO 1

F2 - Acquisition Parameters

Date_ 20070717
Time 18.22
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 8
DS 2
SMH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0448356 sec
RG 64
DW 62.400 usec
DE 6.00 usec
TE 304.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCMRK 0.01500000 sec

***** CHANNEL f1 *****

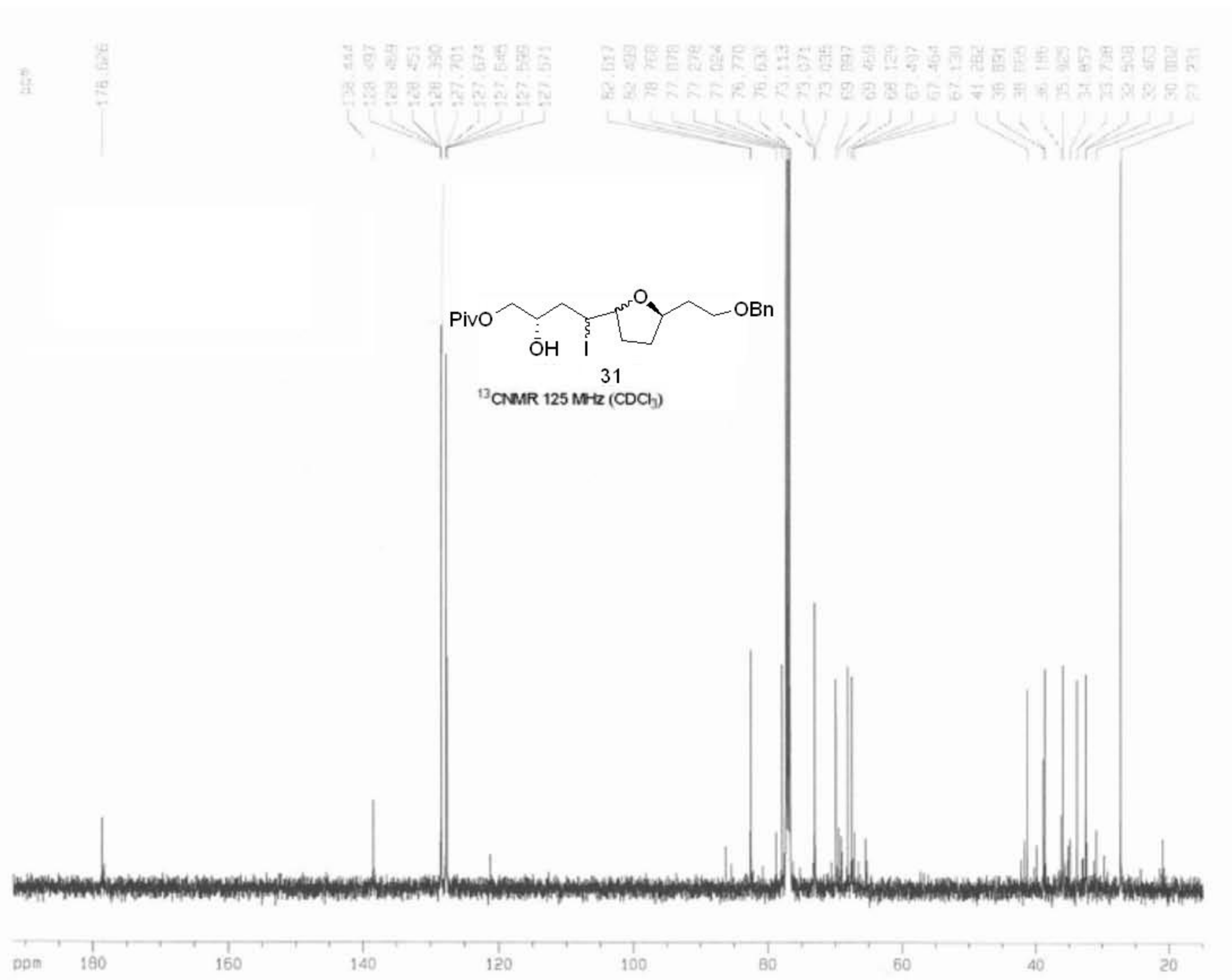
NUC1 1H
P1 9.25 usec
PL1 -0.50 dB
SF01 500.1330885 MHz

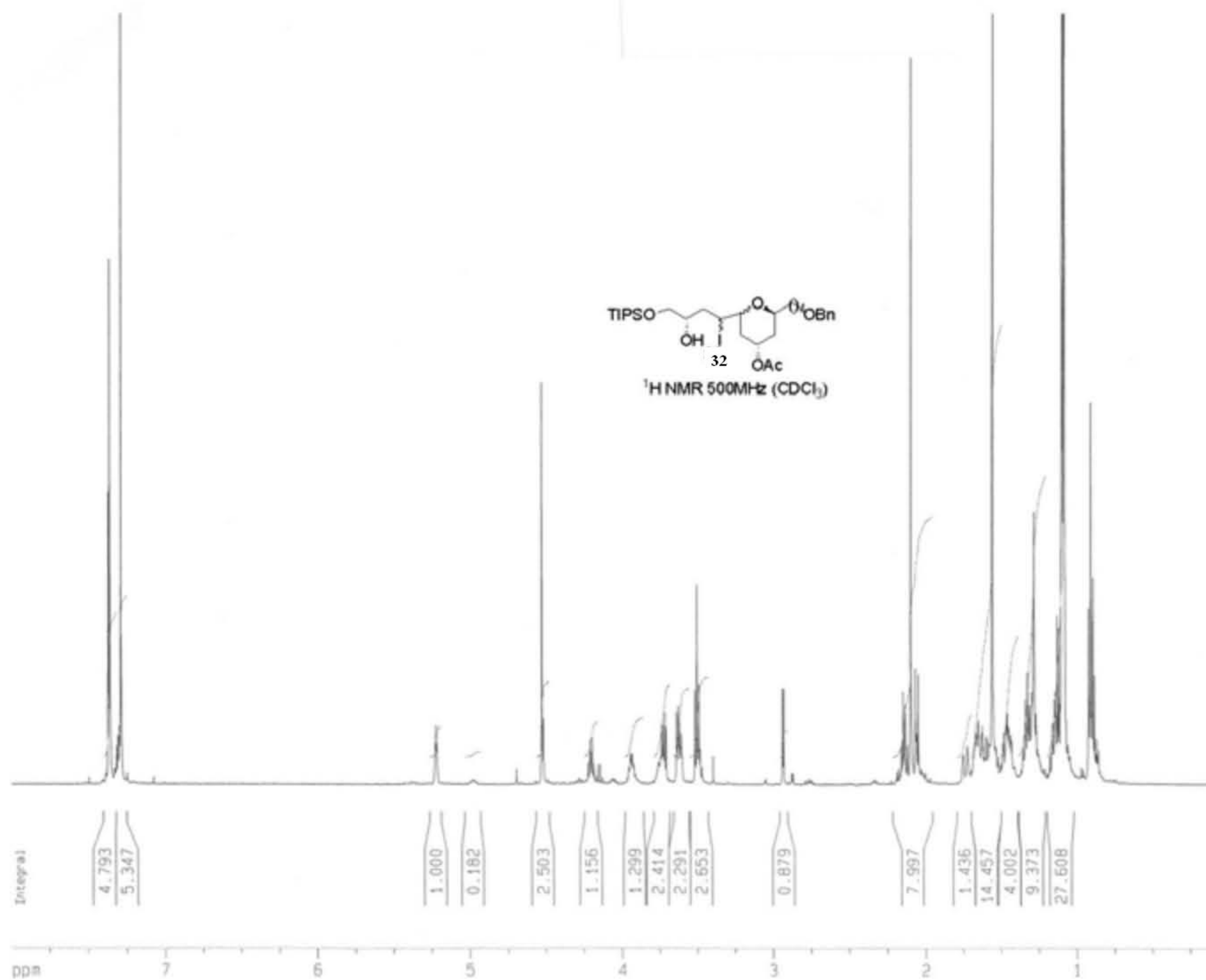
F2 - Processing parameters

SF 32768
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 22.00 cm
CY 95.38 cm
F1P 8.000 ppm
F1 4001.04 Hz
F2P -0.100 ppm
F2 -50.01 Hz
PPMCM 0.36818 ppm/cm
HZCM 184.13878 Hz/cm





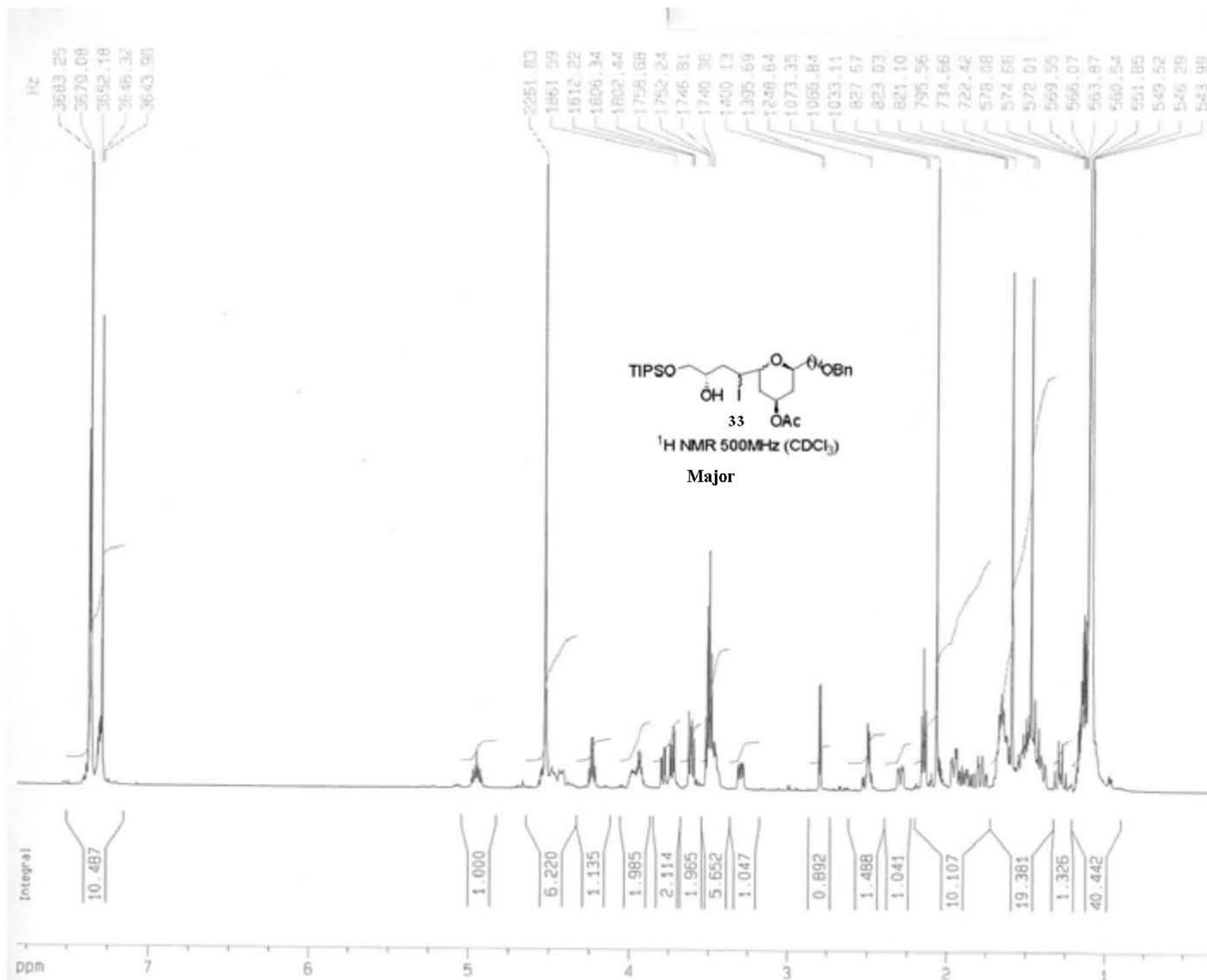
Current Data Parameters
 NAME 09070601
 EXPNO 22
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20060907
 Time 16.12
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 32
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 512
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWPK 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.30 usec
 PL1 -3.00 dB
 SF01 500.1330885 MHz

F2 - Processing parameters
 S1 32768
 SF 500.1300000 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 36.18 cm
 F1P 7.996 ppm
 F1 3998.82 Hz
 F2P 0.057 ppm
 F2 28.41 Hz
 PPMCM 0.36085 ppm/cm
 HZCM 180.47314 Hz/cm



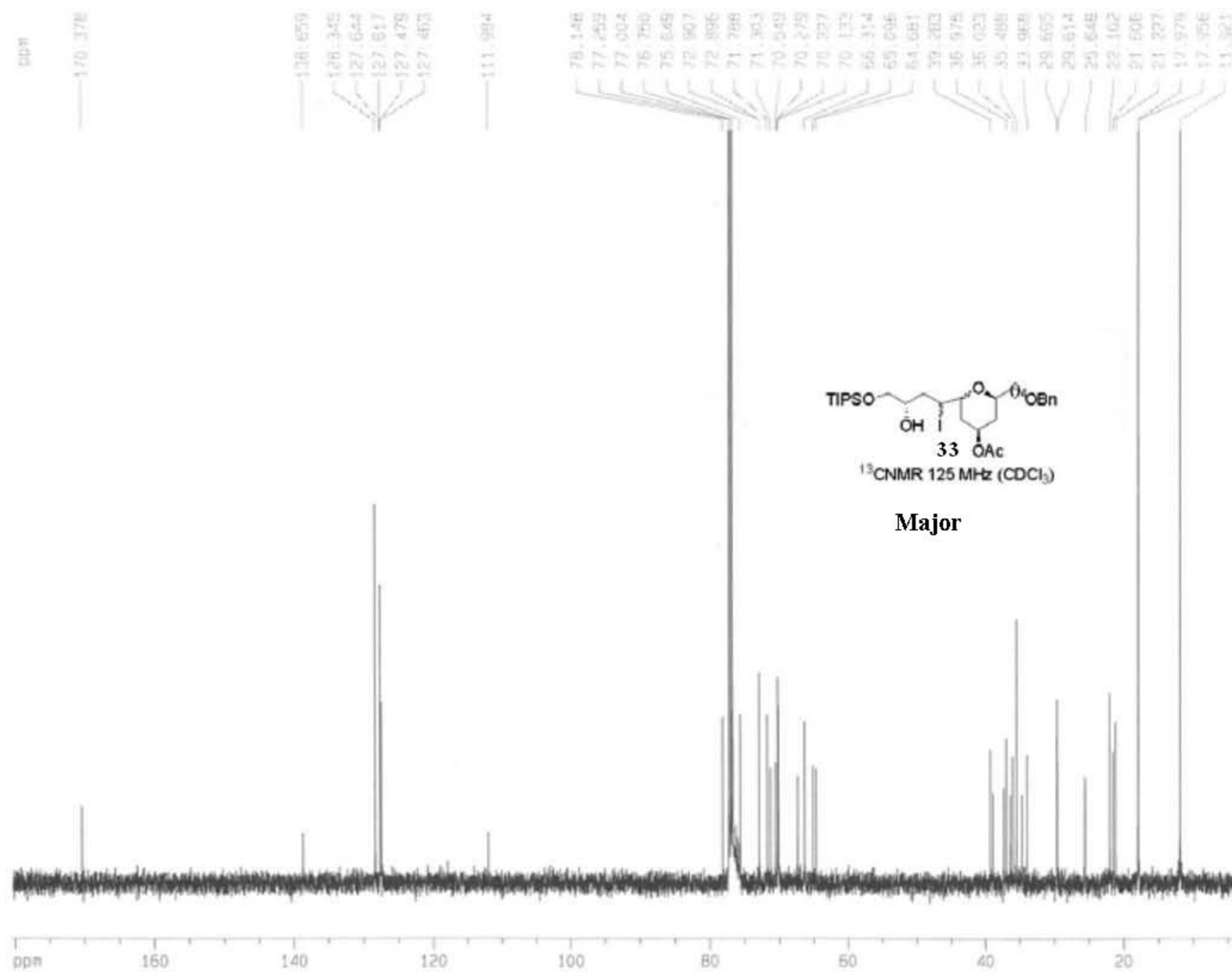
Current Data Parameters
NAME 08160601
EXPNO 15
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060816
Time 17.16
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 2
SWH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0448356 sec
RG 256
DW 62.400 usec
DE 6.00 usec
TE 303.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWAK 0.01500000 sec

***** CHANNEL f1 *****
NUC1 1H
P1 9.30 usec
PL1 -3.00 dB
SF01 500.1330885 MHz

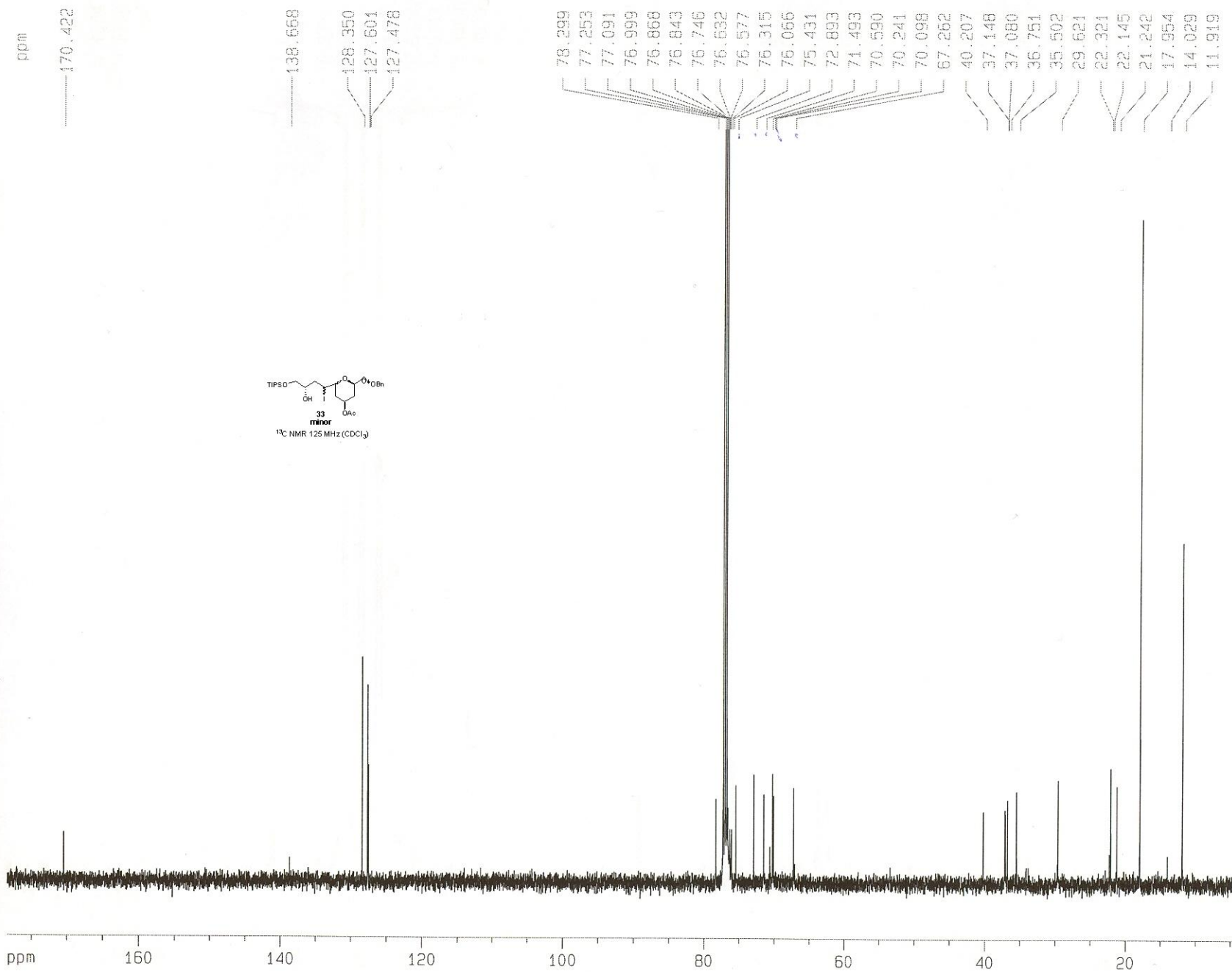
F2 - Processing parameters
SI 32768
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 22.00 cm
CY 36.11 cm
F1P 7.811 ppm
F1 3906.57 Hz
F2P 0.346 ppm
F2 172.85 Hz
PPHCH 0.33934 ppm/cm
HZCM 169.71468 Hz/cm

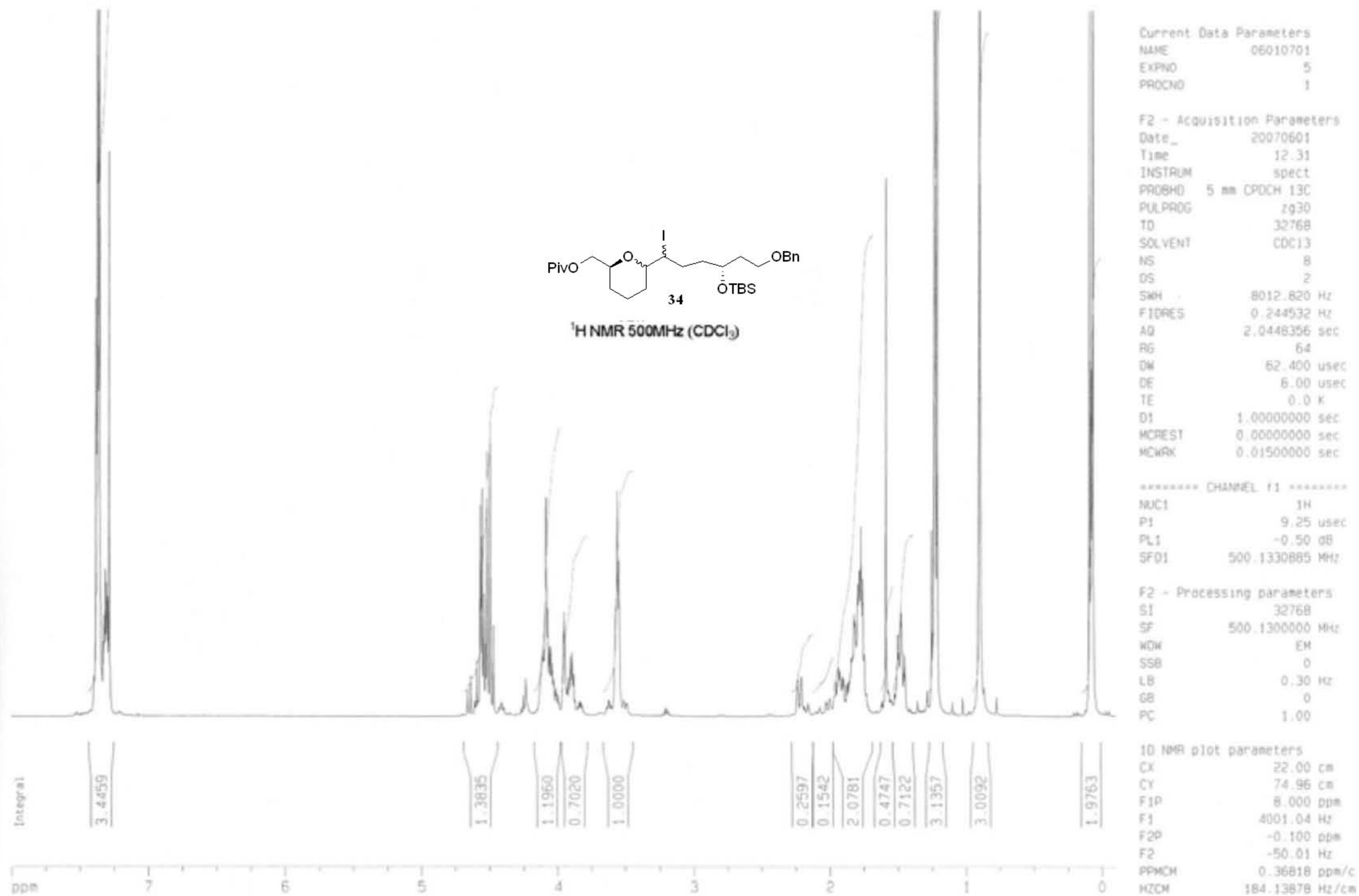


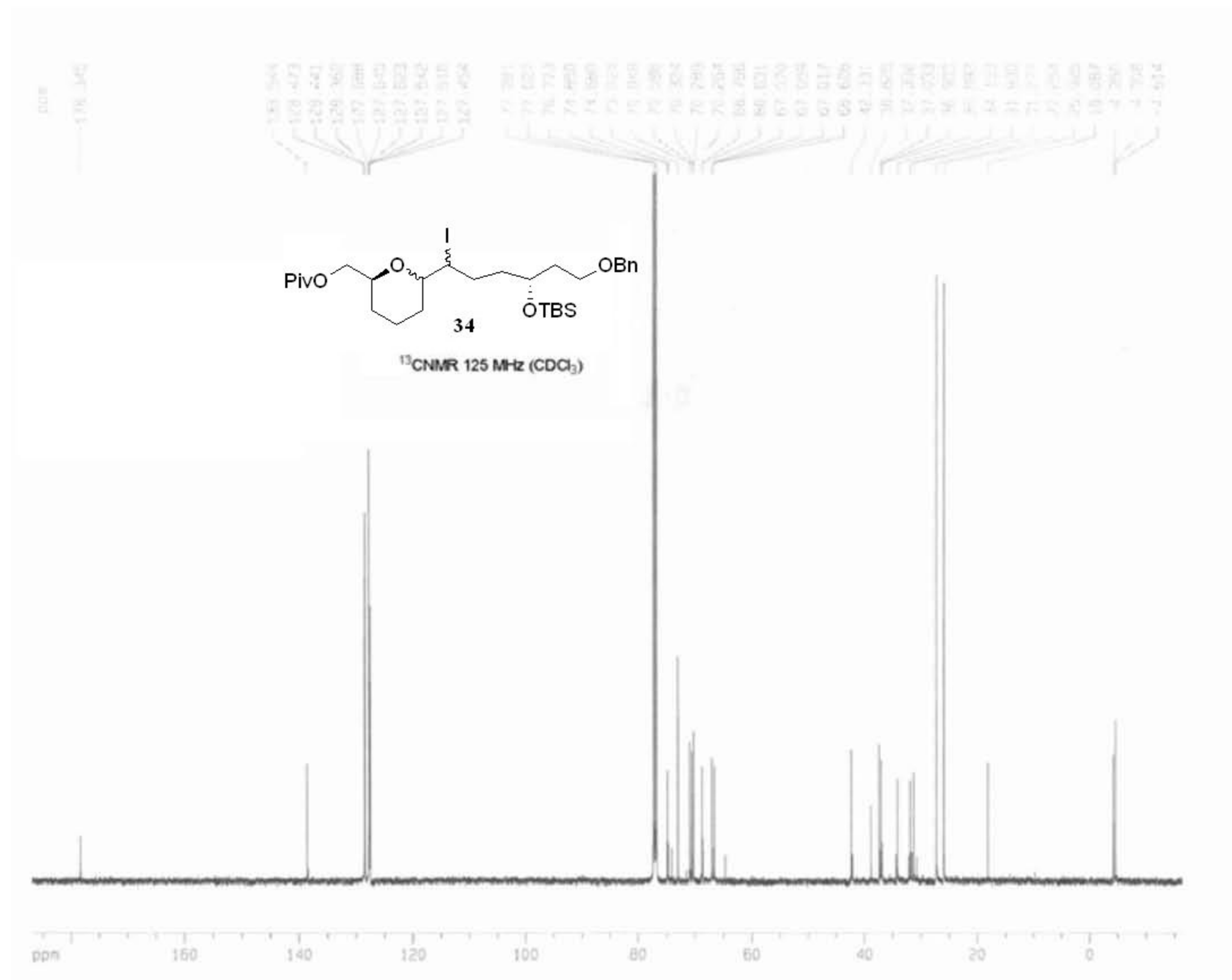


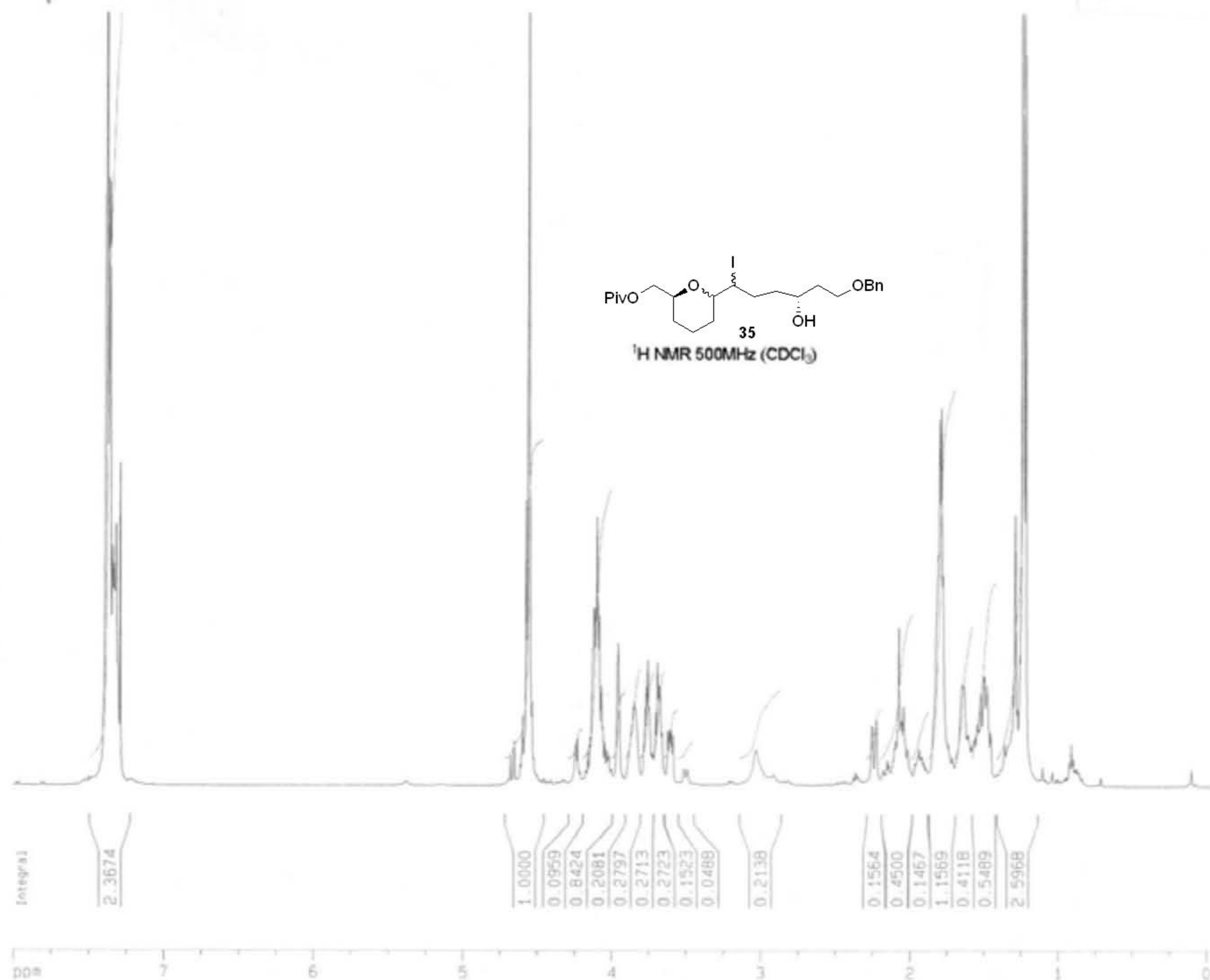
CX	22.00	cm
CY	43.74	cm
F1P	8.021	ppm
F1	4011.45	Hz
F2P	0.325	ppm
F2	162.36	Hz
PPMCM	0.34983	ppm/cm
HZCM	174.95866	Hz/cm



C-1-







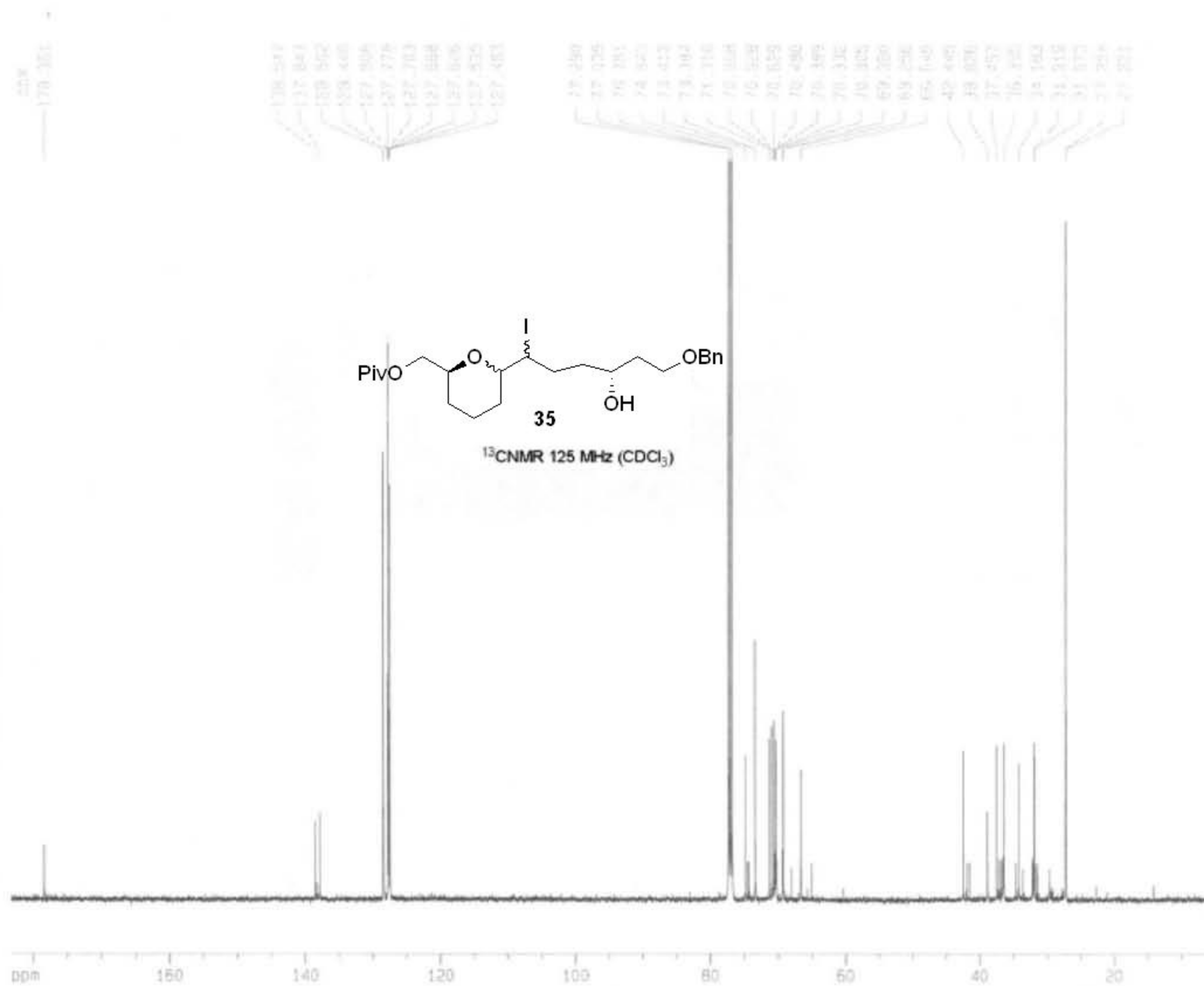
Current Data Parameters
 NAME 06060701
 EXPNO 7
 PROCNO 1

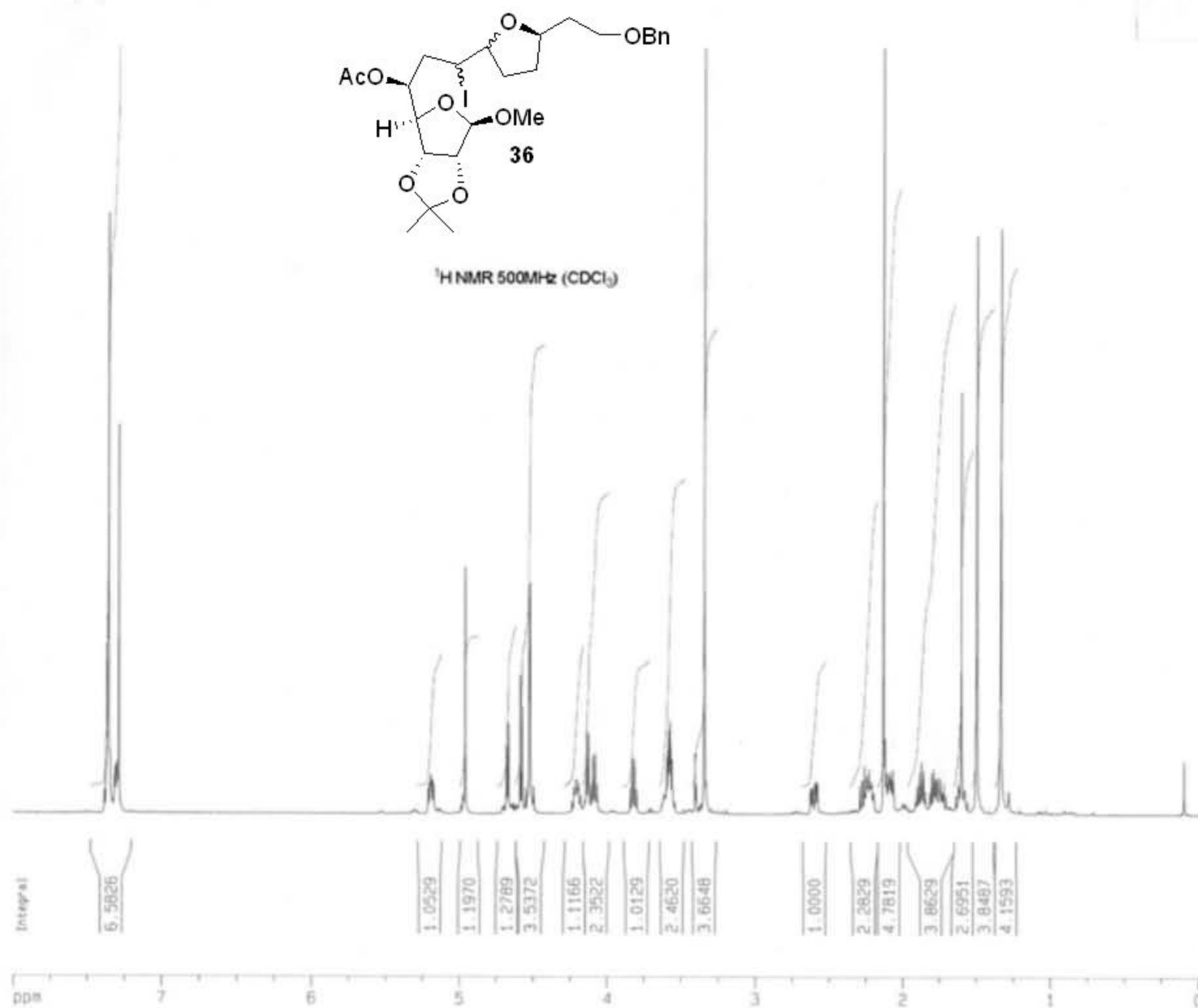
F2 - Acquisition Parameters
 Date_ 20070606
 Time 14.16
 INSTRUM spect
 PROBHD 5 mm CPDCH 13C
 PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 DW 62.400 usec
 DE 6.00 usec
 TE 304.0 K
 D1 1.0000000 sec
 MCREST 0.0000000 sec
 MCWPR 0.0150000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 51.53 cm
 F1P 8.000 ppm
 F1 4001.04 Hz
 F2P -0.100 ppm
 F2 -50.01 Hz
 PPMCM 0.36818 ppm/cm
 HZCM 184.13878 Hz/cm





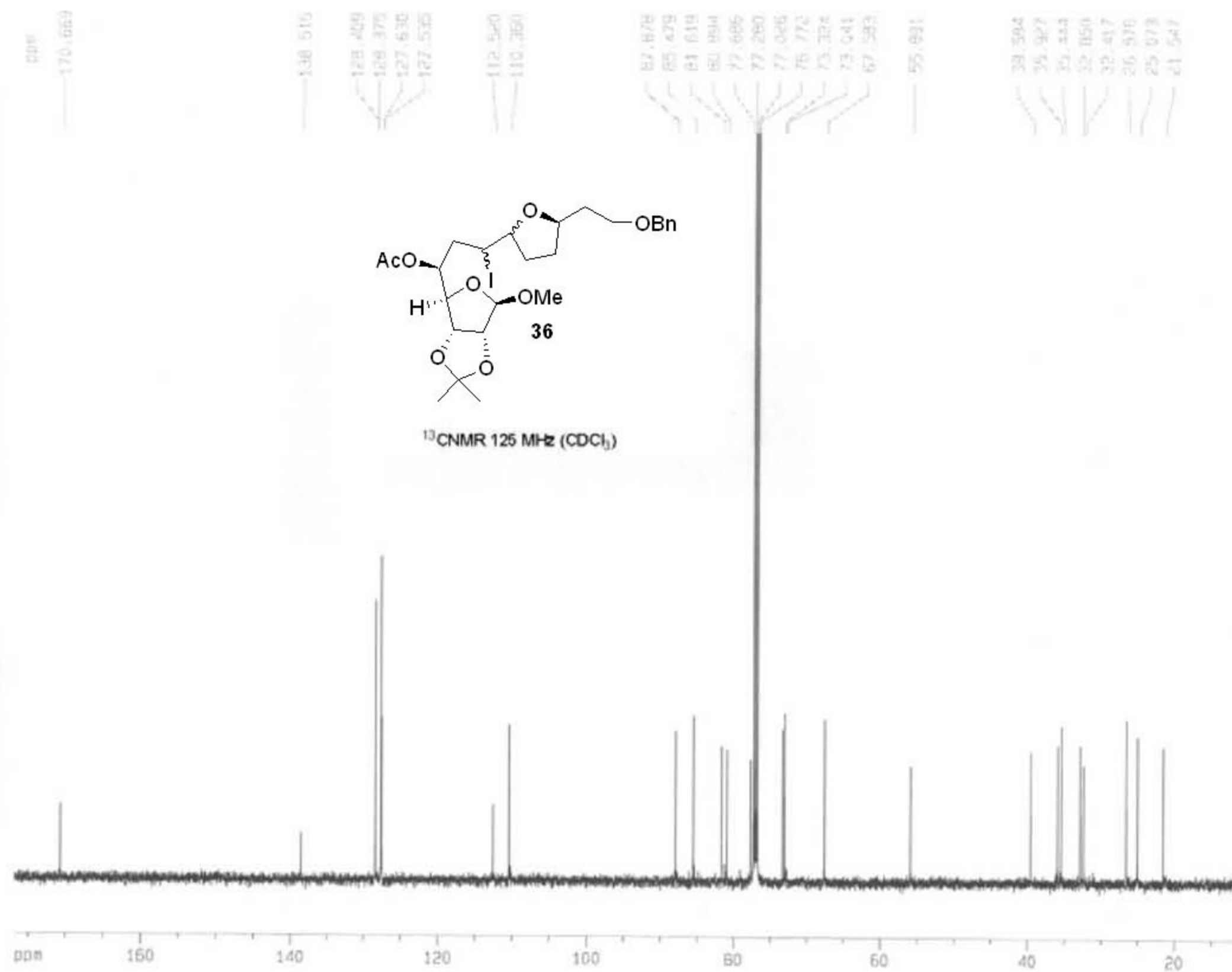
Current Data Parameters
 NAME 07250701
 EXPNO 23
 PROCNO 1

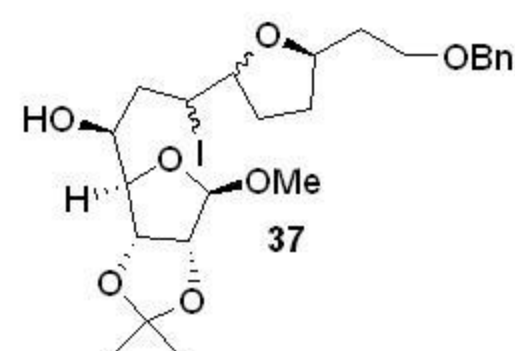
F2 - Acquisition Parameters
 Date_ 20070725
 Time 19.26
 INSTRUM spect
 PROBHD 5 mm CPDCH 13C
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 Ssh 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 DW 62.400 usec
 DE 5.00 usec
 TE 303.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCPRK 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

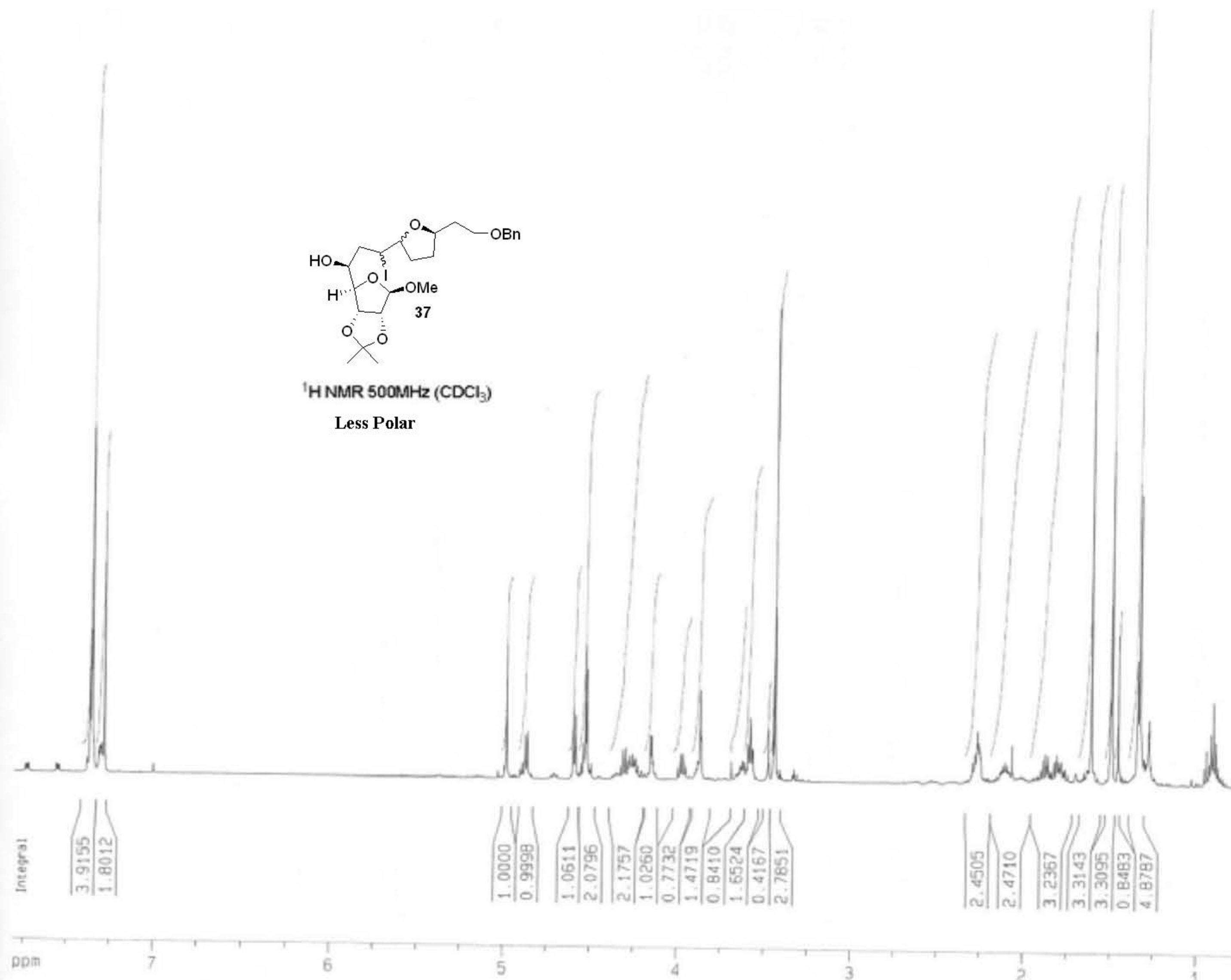
1D NMR plot parameters
 CX 22.00 cm
 CY 16.05 cm
 F1P 8.000 ppm
 F1 4001.04 Hz
 F2P -0.100 ppm
 F2 -50.01 Hz
 PPMCH 0.36818 ppm/cm
 HZCH 184.13878 Hz/cm





¹H NMR 500MHz (CDCl₃)

Less Polar



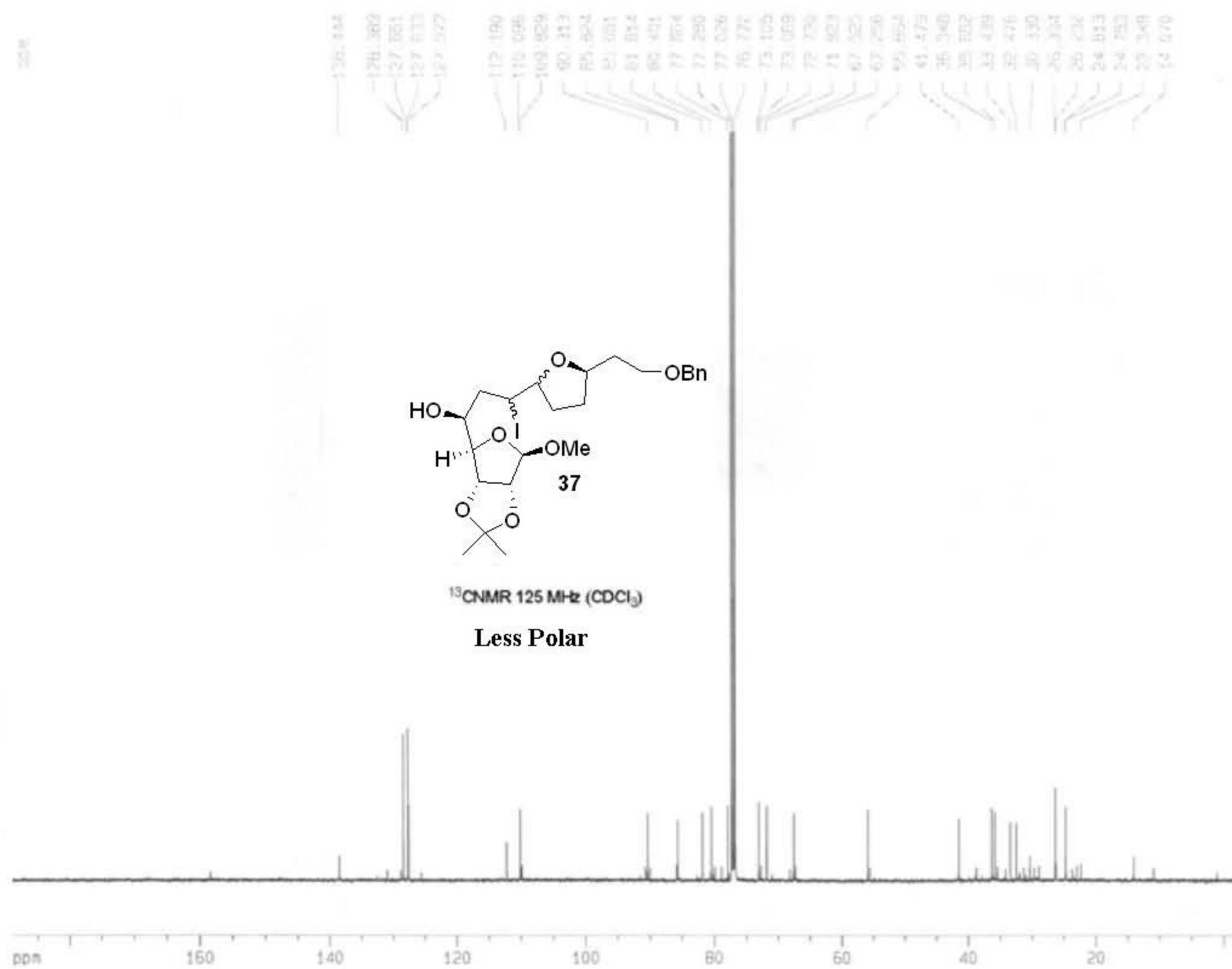
Current Data Parameters
NAME 07270701
EXPNO 10
PROCNO 1

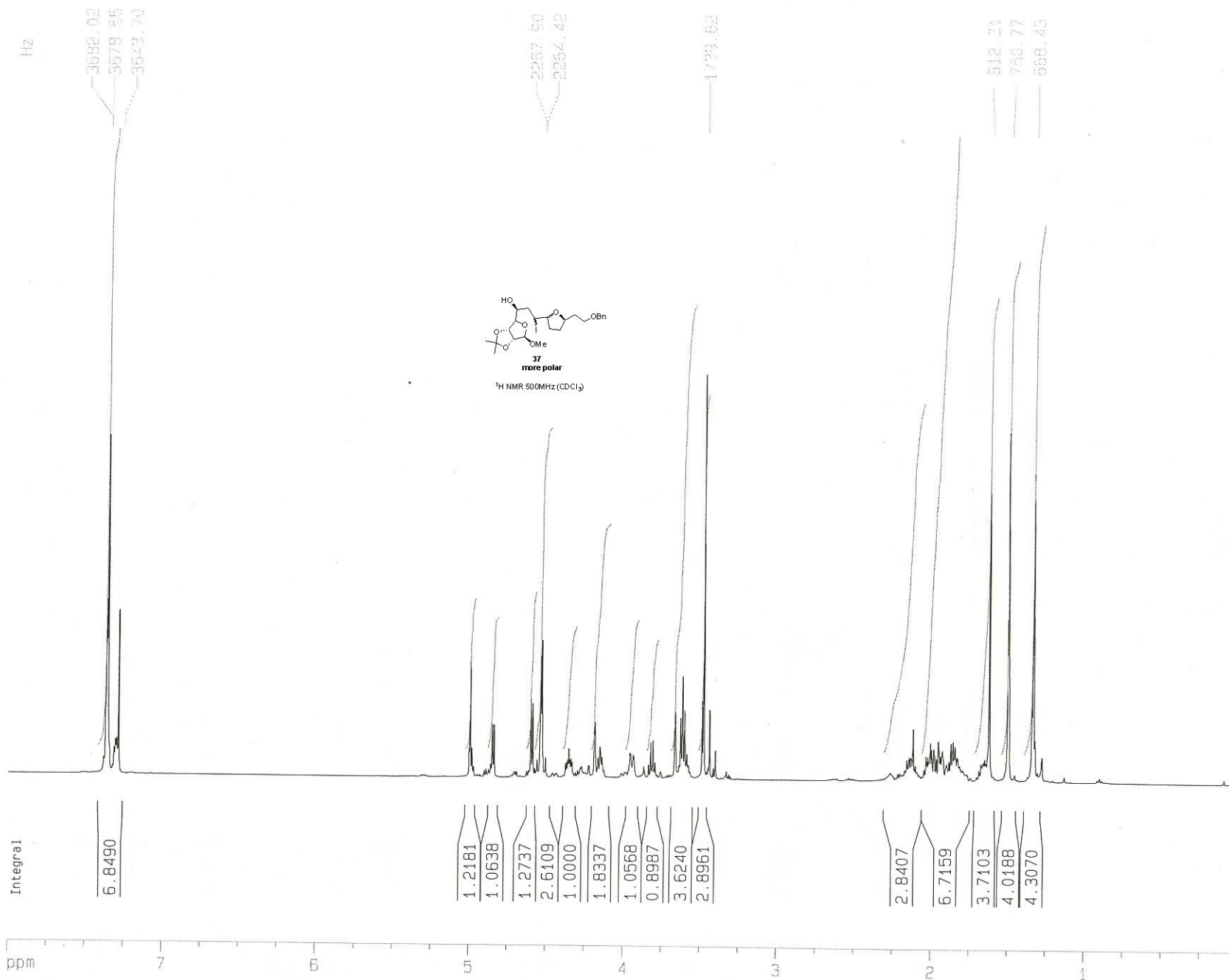
F2 - Acquisition Parameters
Date_ 20070727
Time 15.09
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 8
DS 2
SWH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0448356 sec
RG 64
DW 62.400 usec
DE 6.00 usec
TE 303.0 K
D1 1.00000000 sec
MCRES1 0.00000000 sec
MCWRK 0.01500000 sec

***** CHANNEL f1 *****
NUC1 1H
P1 9.25 usec
PL1 -0.50 dB
SF01 500.1330885 MHz

F2 - Processing parameters
S1 32768
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 22.00 cm
CY 8.56 cm
F1P 7.806 ppm
F1 3904.06 Hz
F2P 0.713 ppm
F2 356.40 Hz
PPMCM 0.32243 ppm/cm
HZCM 161.25732 Hz/cm





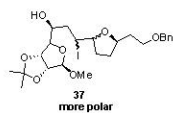
Current Data Parameters
NAME 07270701
EXPNO 13
PROCNO 1

F2 - Acquisition Parameters
Date_ 20070727
Time 15.26
INSTRUM spect
PROBHD 5 mm CPDCH 13C
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 8
DS 2
SWH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0448356 sec
RG 64
DW 62.400 usec
DE 6.00 usec
TE 303.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 9.25 usec
PL1 -0.50 dB
SF01 500.1330885 MHz

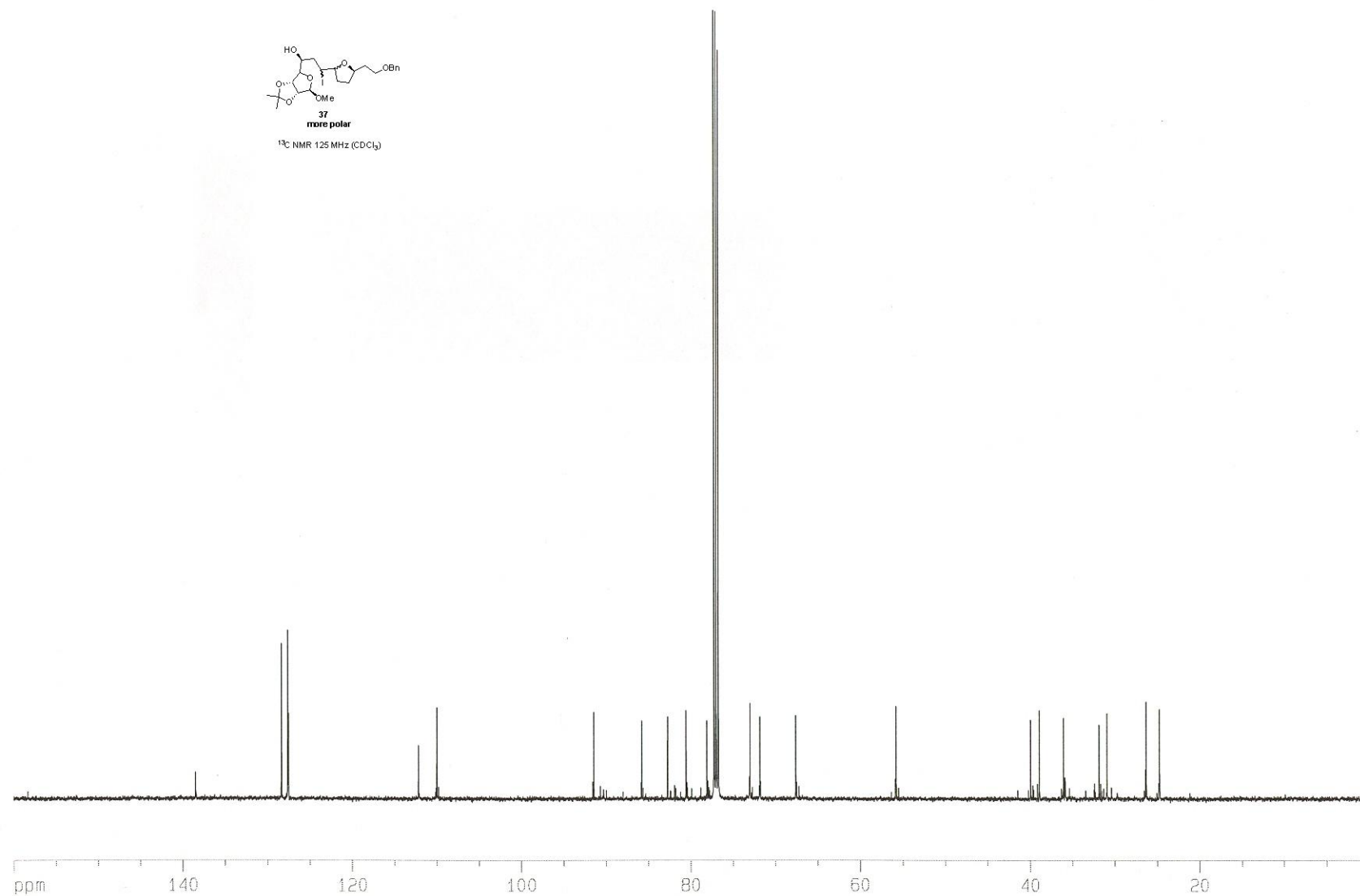
F2 - Processing parameters
SI 32768
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

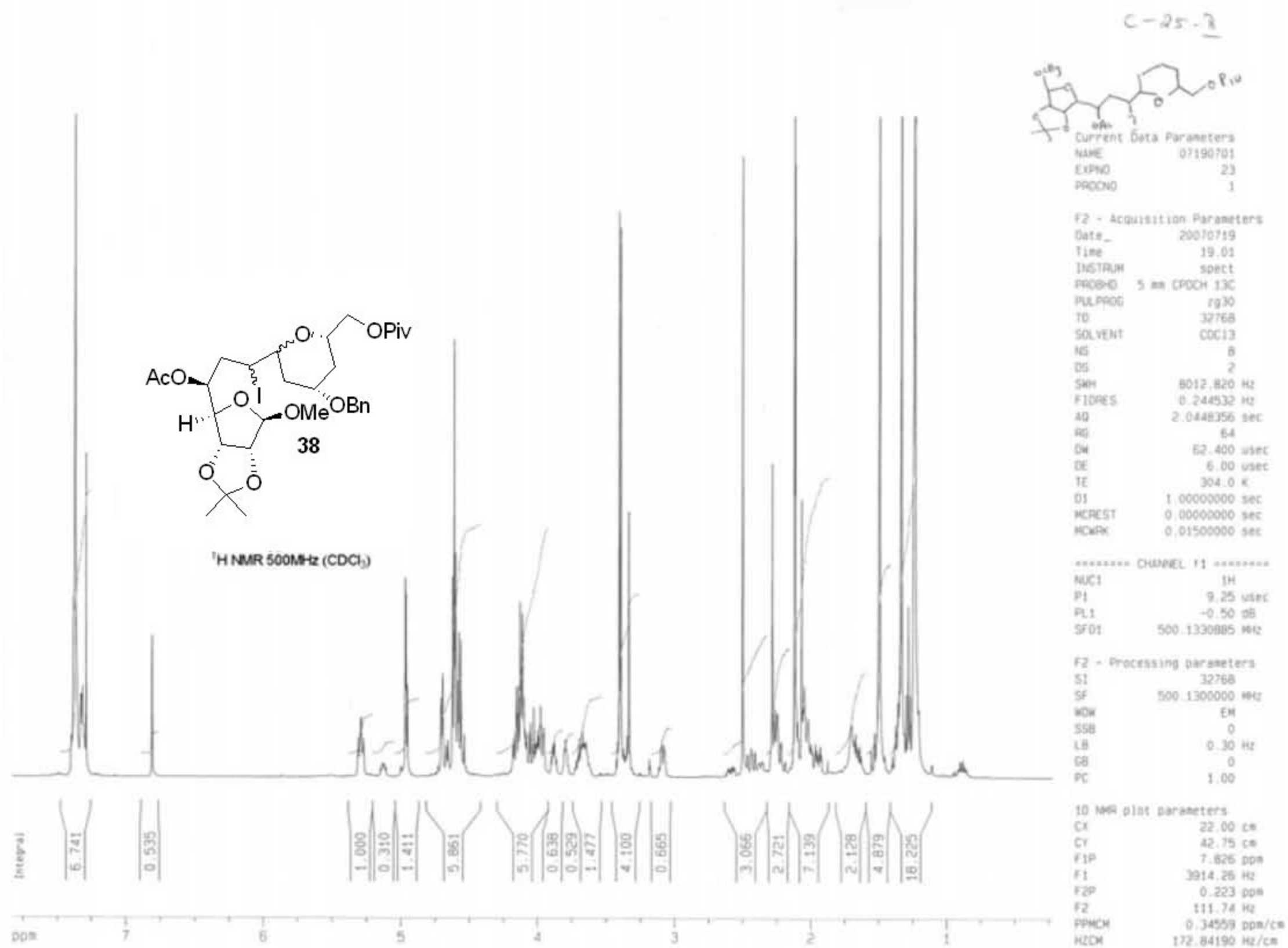
1D NMR plot parameters
CX 22.00 cm
CY 7.22 cm
F1P 8.000 ppm
F1 4001.04 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCM 0.36364 ppm/cm
HZCM 181.86546 Hz/cm

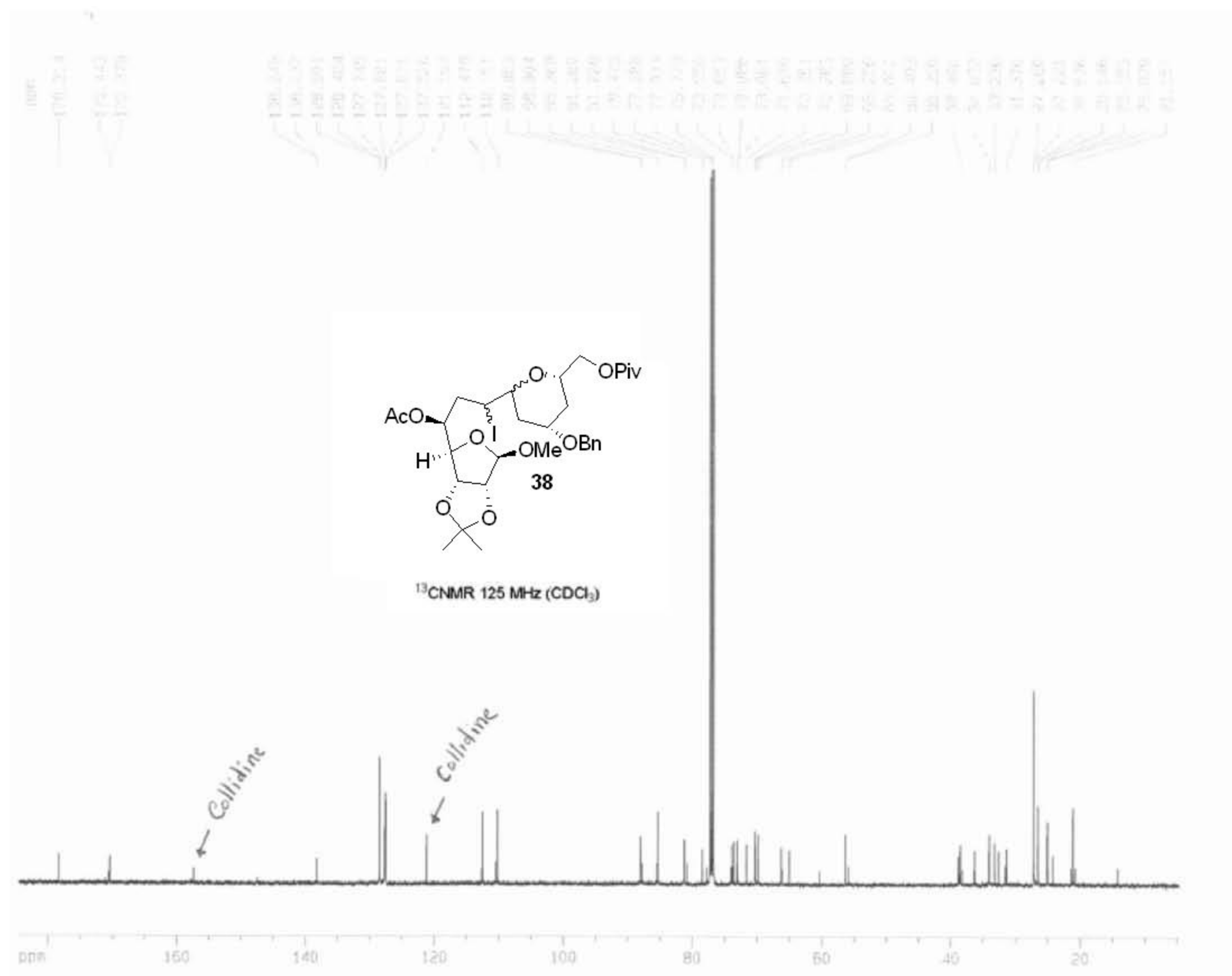


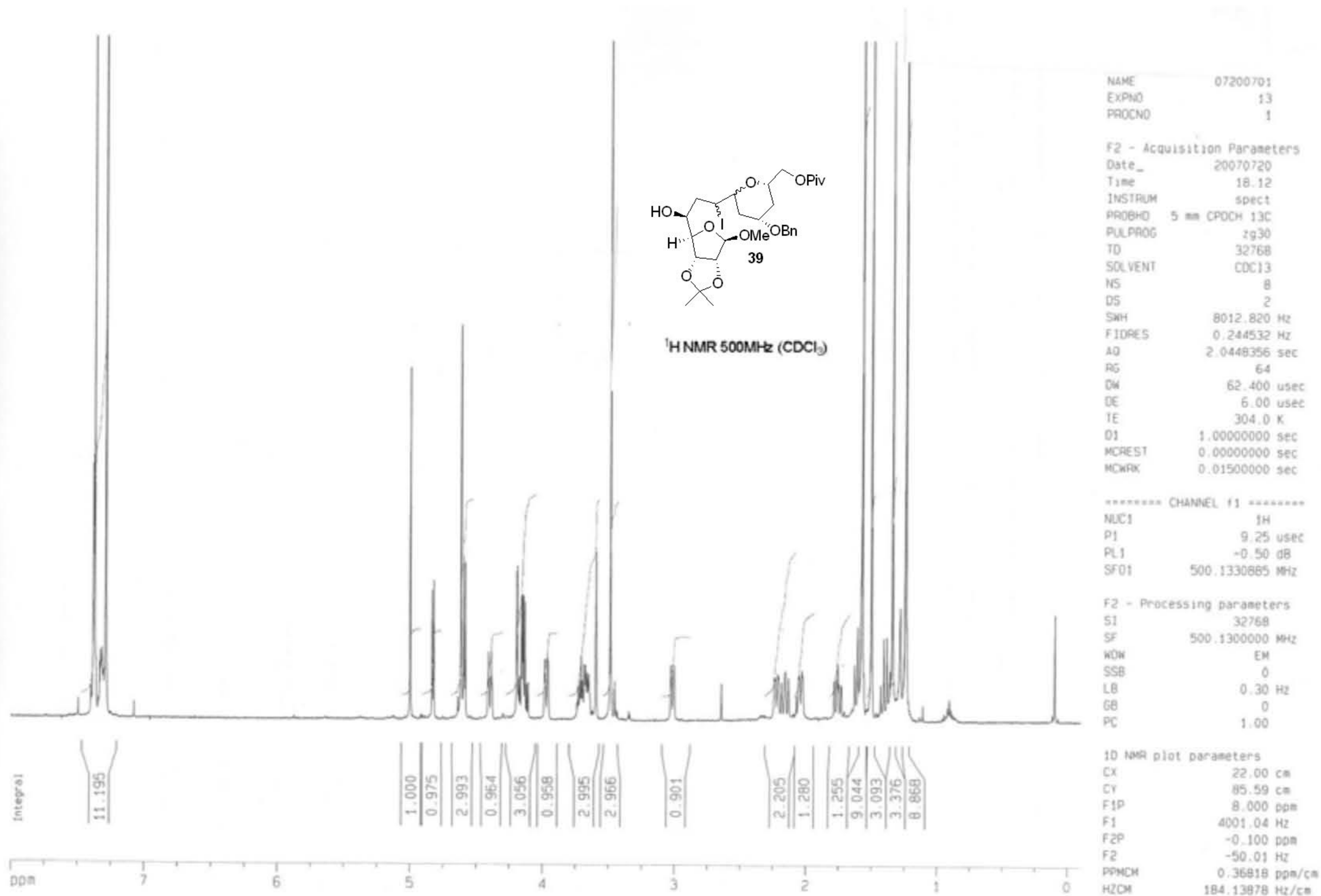
^{13}C NMR 125 MHz (CDCl_3)

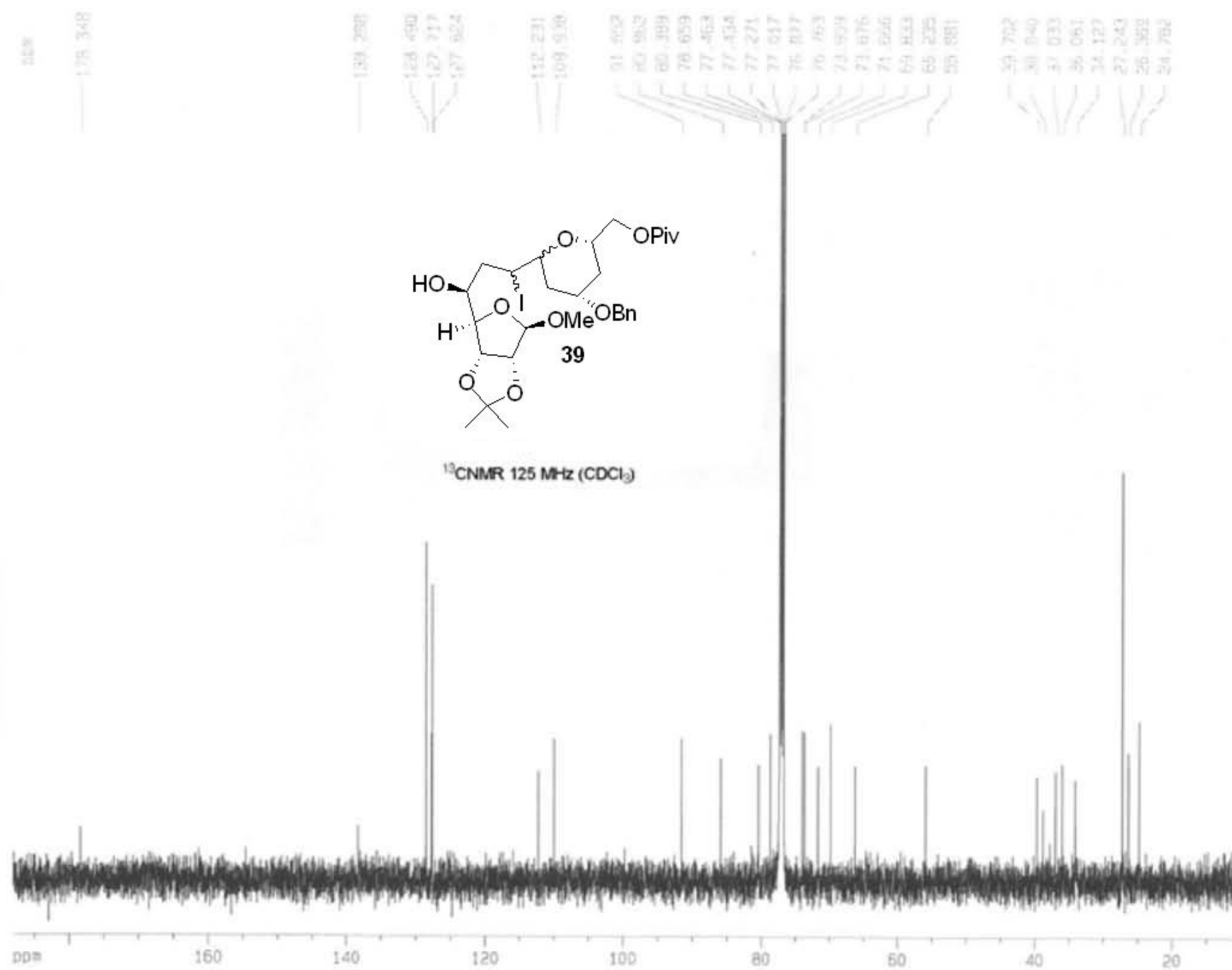
138.621
129.268
127.657
127.636
127.574
127.514
112.181
110.055
109.887
109.827
91.554
91.464
85.897
85.848
82.756
81.957
80.566
80.468
78.126
77.996
77.685
77.029
76.775
73.060
73.004
71.865
71.786
67.626
67.627
55.885
55.882
55.842
39.977
39.166
39.014
36.107
35.953
35.883
32.429
31.879
31.698
30.640
26.953
26.371
24.811
24.777
24.729

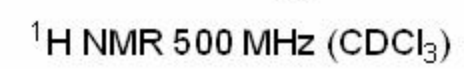


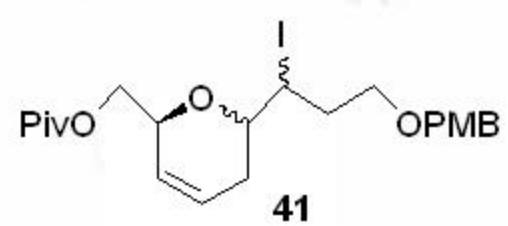




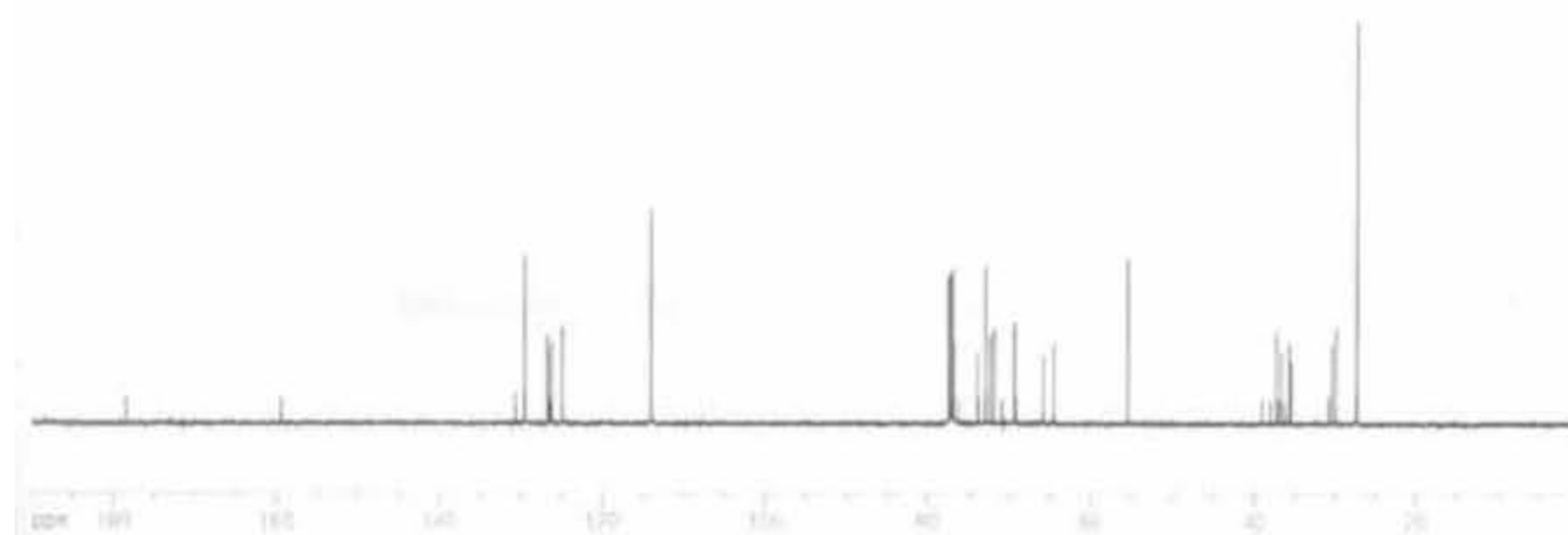


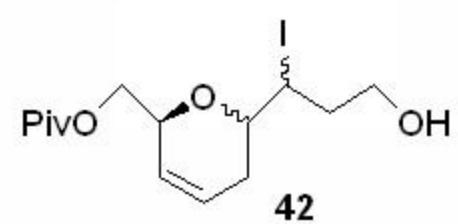




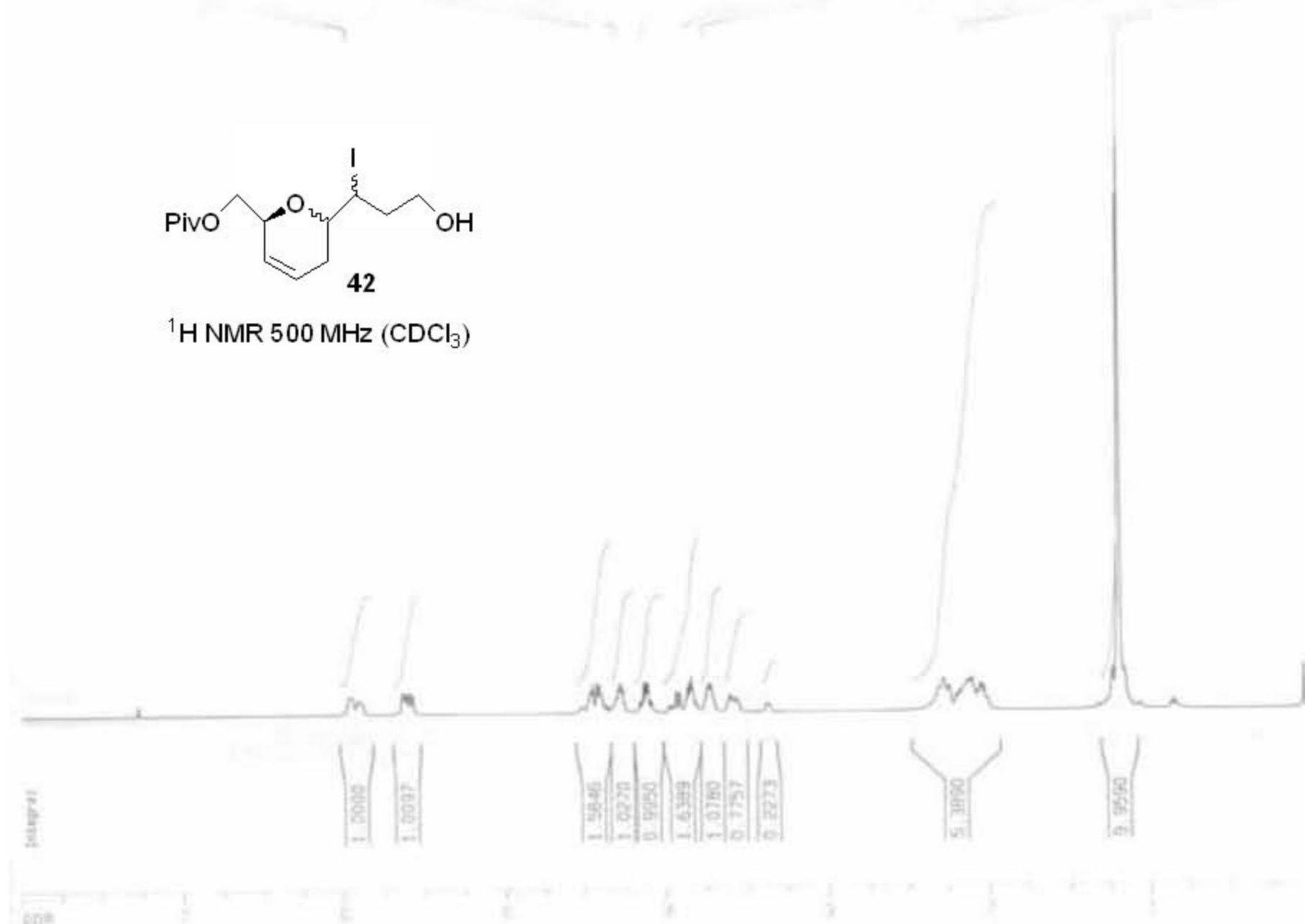


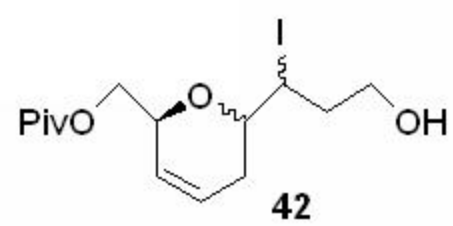
^{13}C NMR 125 MHz (CDCl_3)



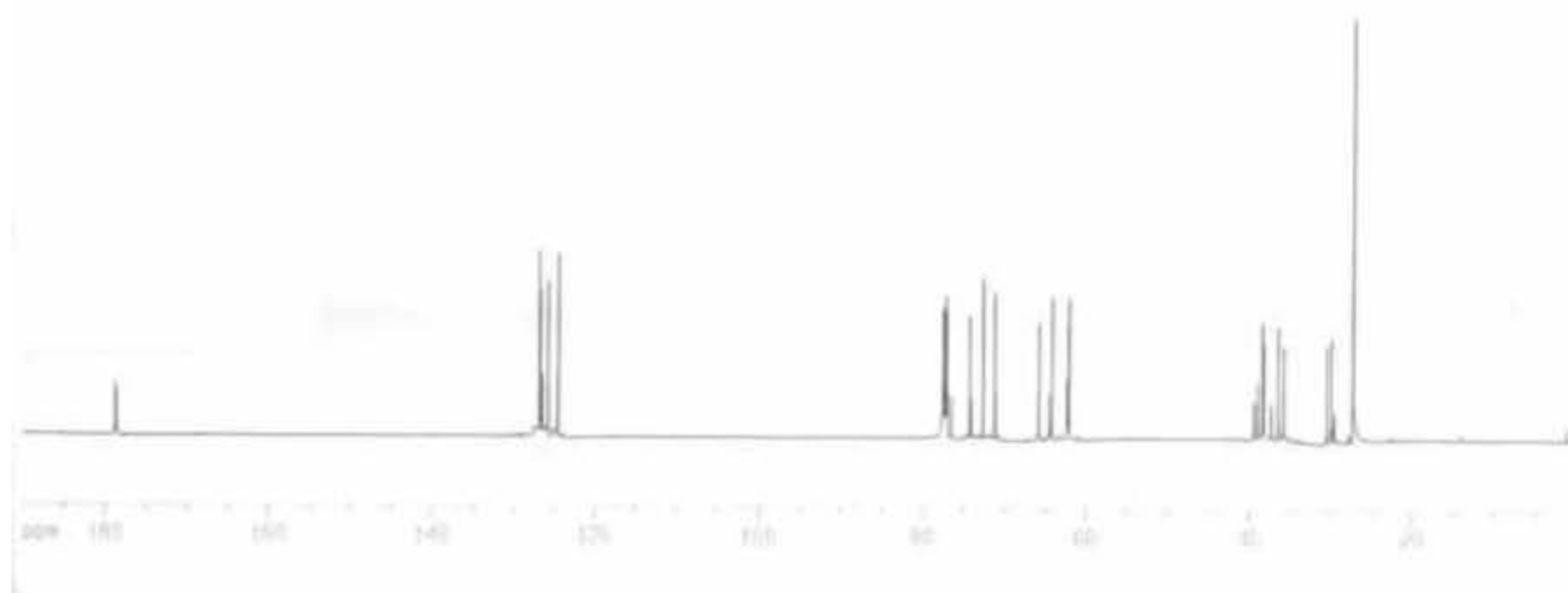


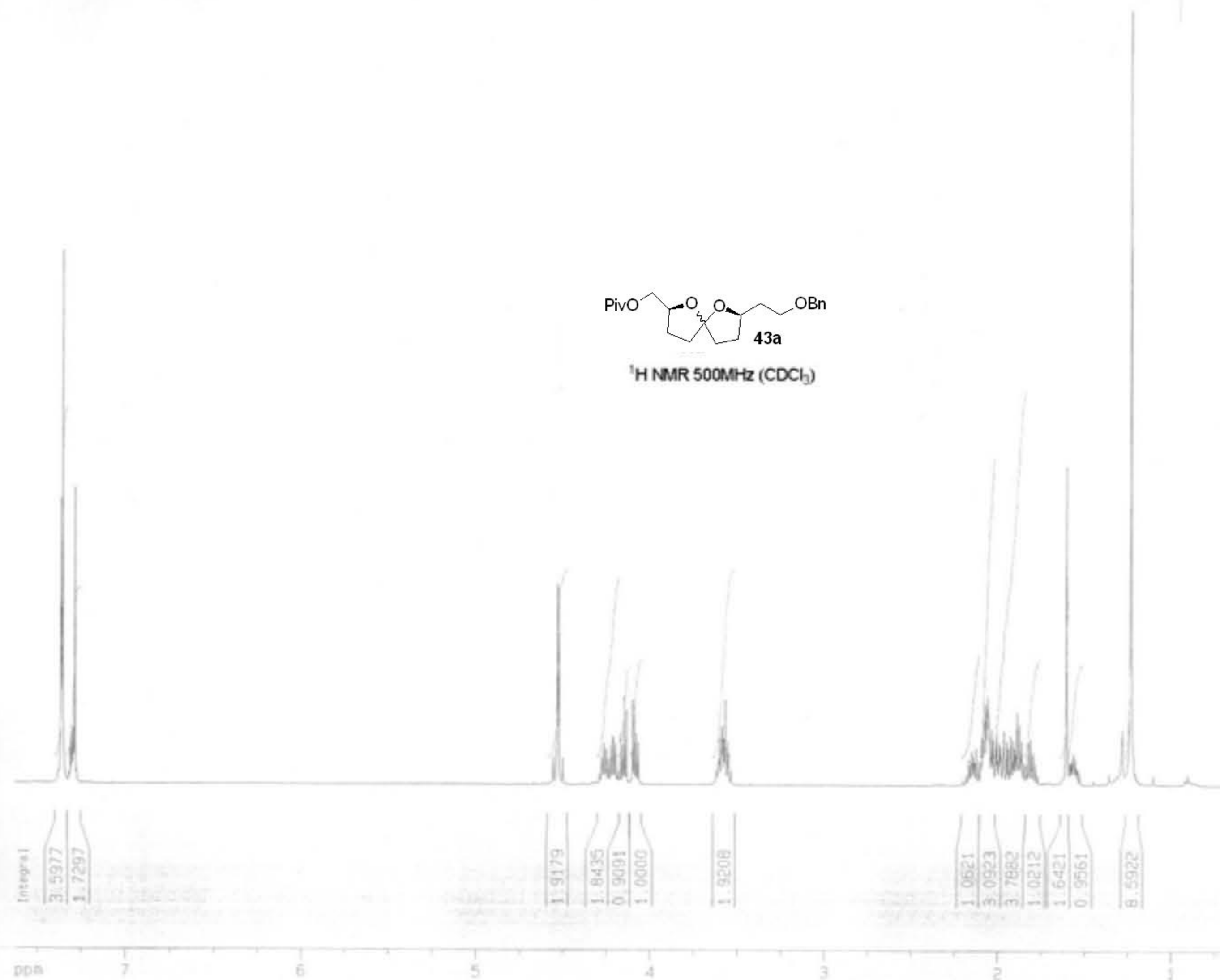
^1H NMR 500 MHz (CDCl_3)





^{13}C NMR 125 MHz (CDCl_3)





Current Data Parameters

NAME 06220701
EXPNO 7
PROCNO 1

F2 - Acquisition Parameters

Date_ 20070622
Time 12:27
INSTRUM spect
PROBHD 5 mm CPOCH 13C
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 8
DS 2
SWH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0448356 sec
RG 64
DW 62.400 usec
DE 6.00 usec
TE 304.0 K
OT 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

***** CHANNEL f1 *****

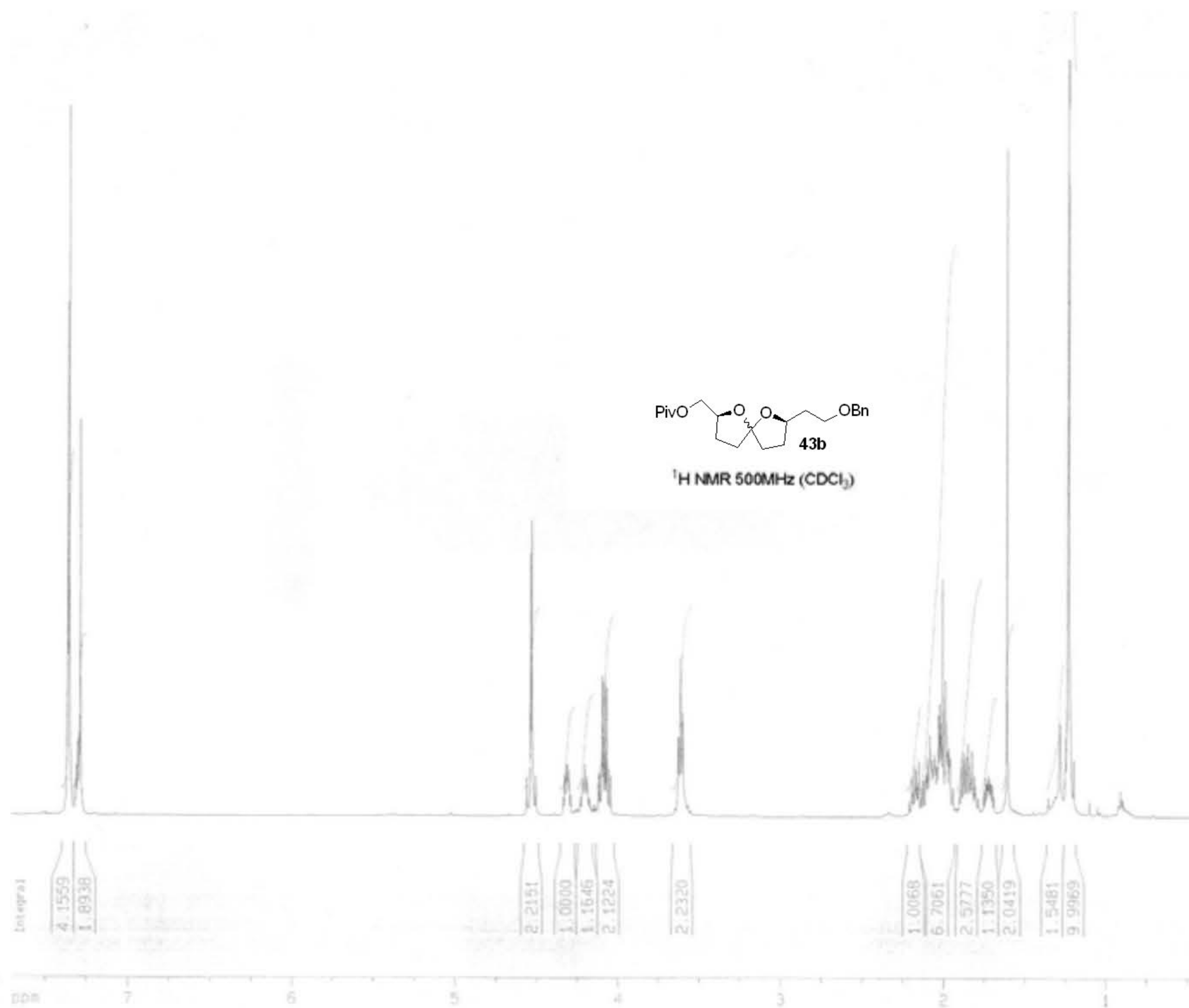
NUC1 1H
P1 9.25 usec
PL1 -0.50 dB
SFO1 500.130885 MHz

F2 - Processing parameters

SI 32768
SF 500.130000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 22.00 cm
CY 41.97 cm
F1P 7.629 ppm
F1 3815.50 Hz
F2P 0.642 ppm
F2 321.06 Hz
PPMCM 0.31755 ppm/cm
HZCM 158.83727 Hz/cm



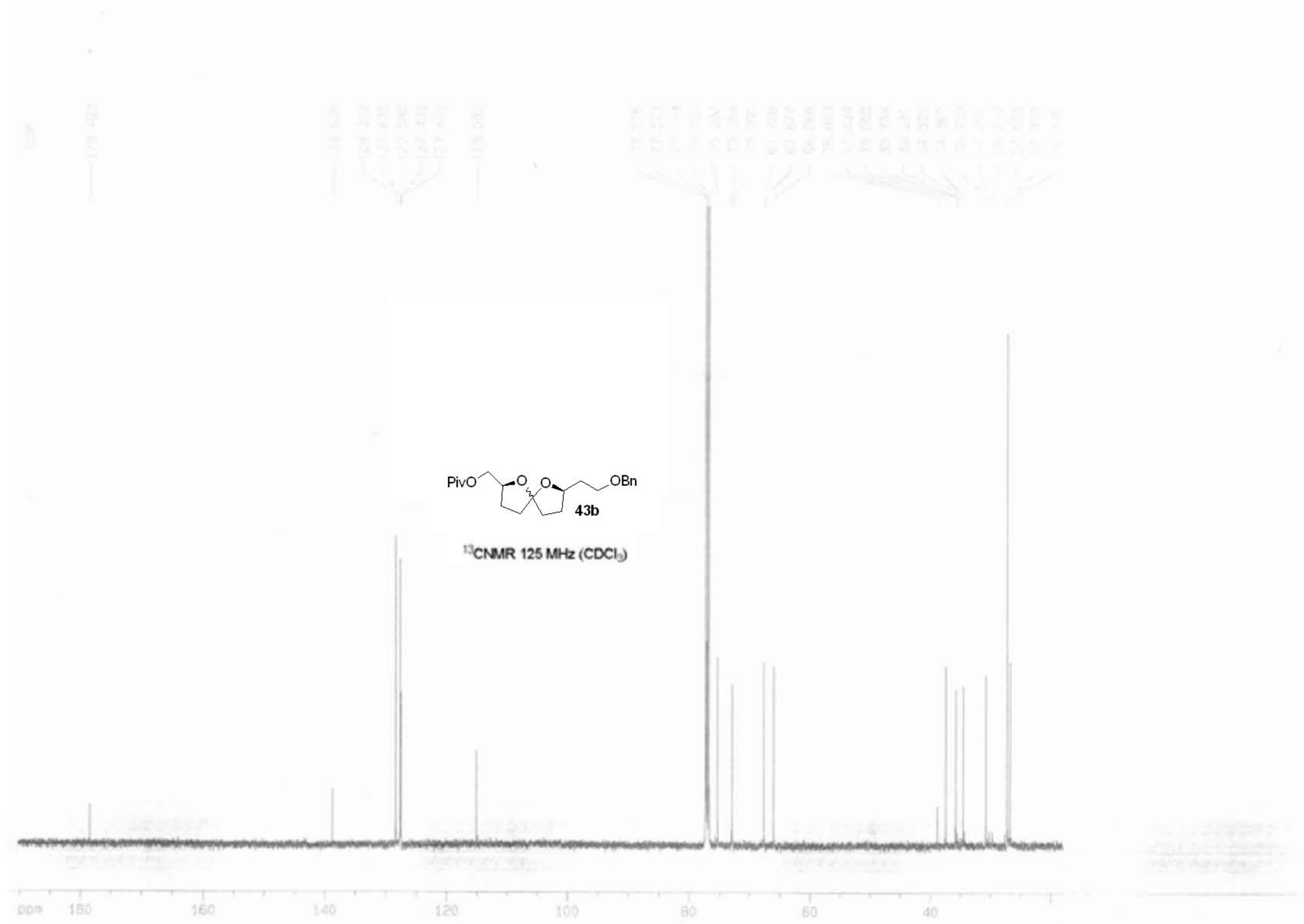
Current Data Parameters
 NAME 06220701
 EXPNO 2
 PROCNO 1

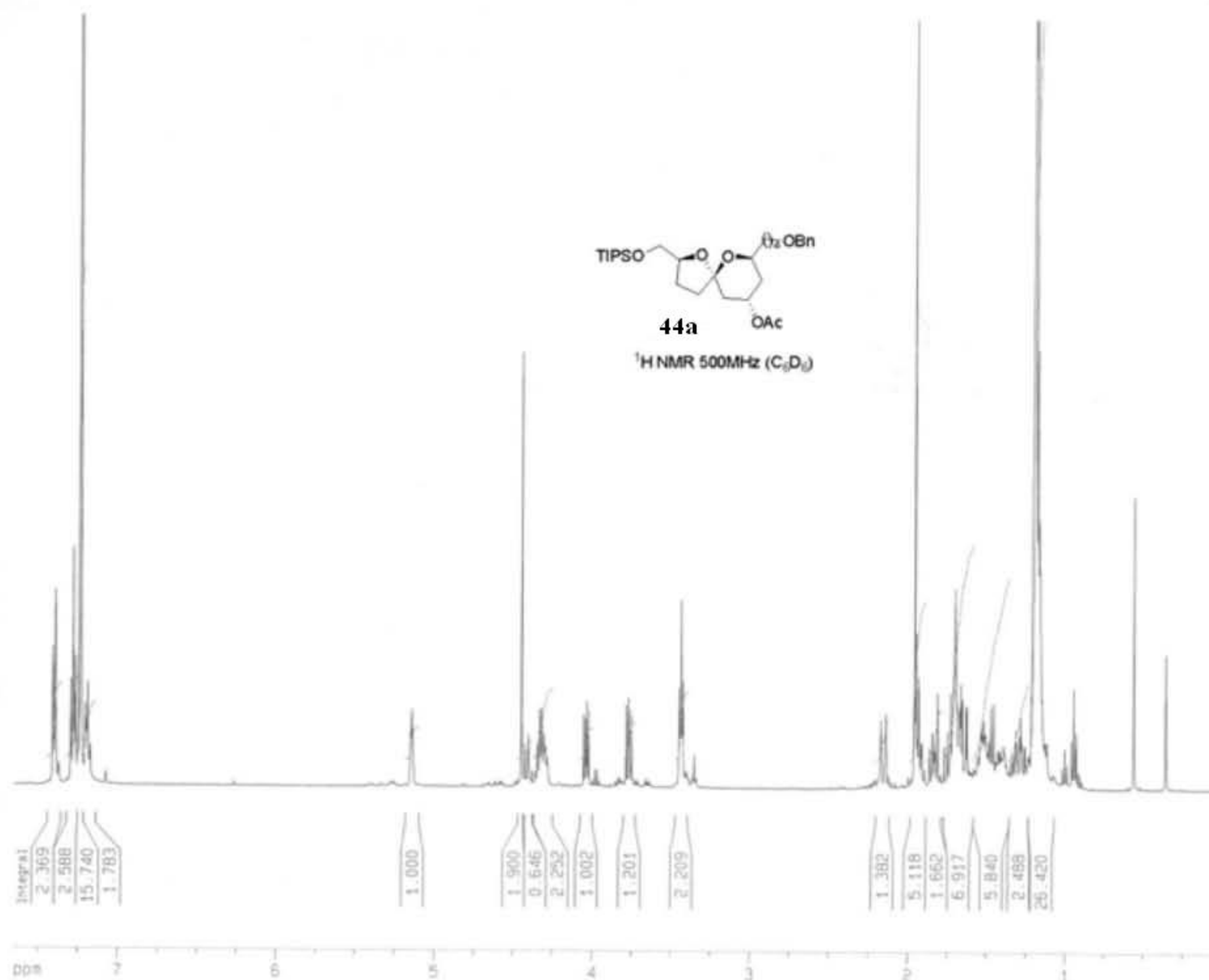
F2 - Acquisition Parameters
 Date_ 20070622
 Time 12.04
 INSTRUM spect
 PROBHD 5 mm CPDCH 13C
 PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 DW 62.400 usec
 DE 6.00 usec
 TE 304.0 K
 DT 1.00000000 sec
 HOREST 0.00000000 sec
 MCPRK 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 57.57 cm
 F1P 7.704 ppm
 F1 3853.09 Hz
 F2P 0.427 ppm
 F2 213.68 Hz
 PRCH 0.33077 ppm/cm
 HZCM 165.42776 Hz/cm





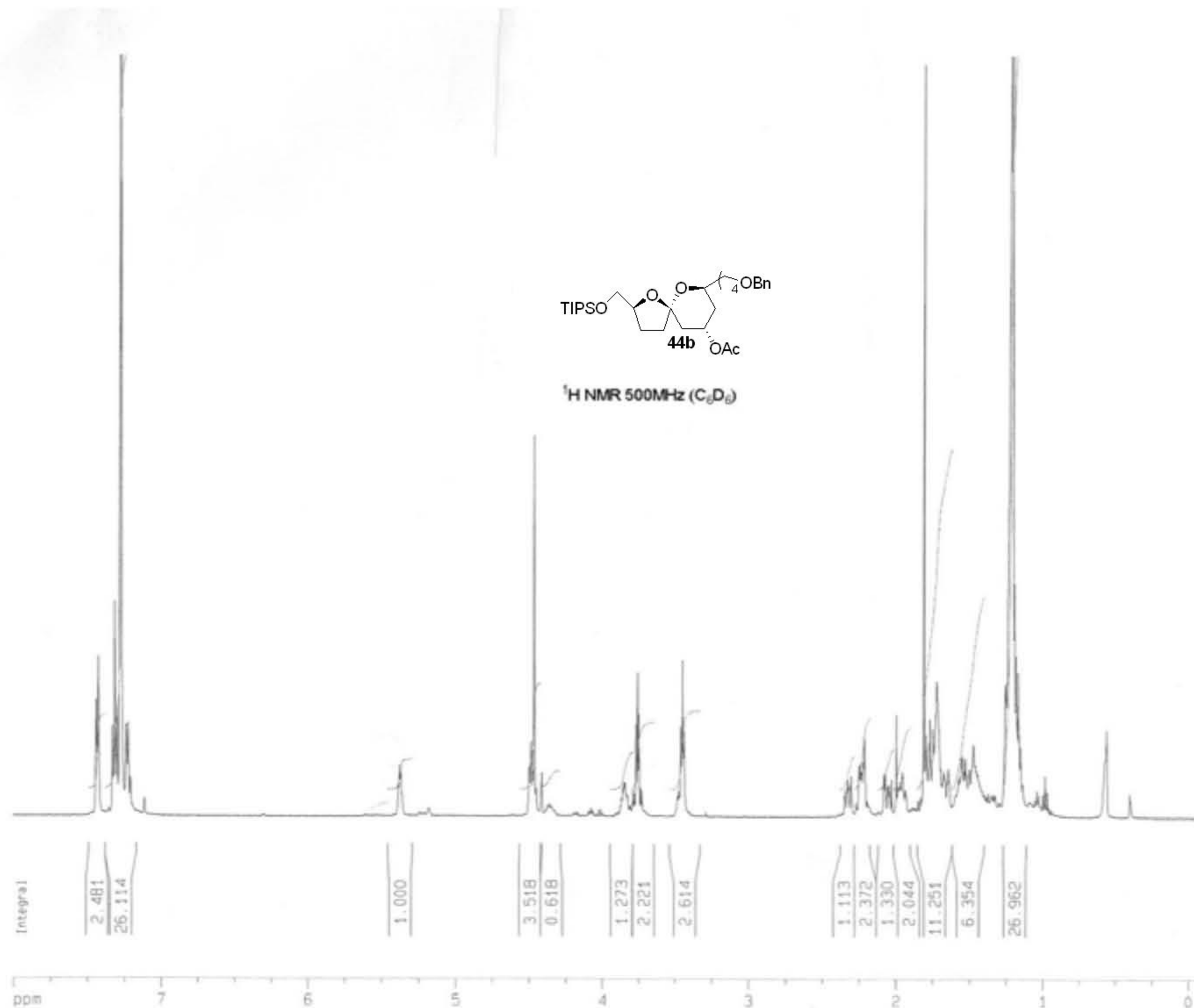
Current Data Parameters
 NAME 08110601
 EXPNO 6
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20060911
 Time 10.59
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 256
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWIX 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.30 usec
 PL1 -3.00 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 43.74 cm
 F1P 7.646 ppm
 F1 3823.96 Hz
 F2P 0.016 ppm
 F2 7.84 Hz
 PPMCM 0.34683 ppm/cm
 HZCM 173.45993 Hz/cm



Current Data Parameters

NAME 09110601
EXPNO 14
PROCNO 1

F2 - Acquisition Parameters

Date_ 20060911
Time 14.44
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 32768
SOLVENT C606
NS 8
DS 2
SWH 8012.820 Hz
FIDRES 0.244532 Hz
AQ 2.0448356 sec
RG 256
DW 62.400 usec
DE 6.00 usec
TE 303.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCNRK 0.01500000 sec

***** CHANNEL f1 *****

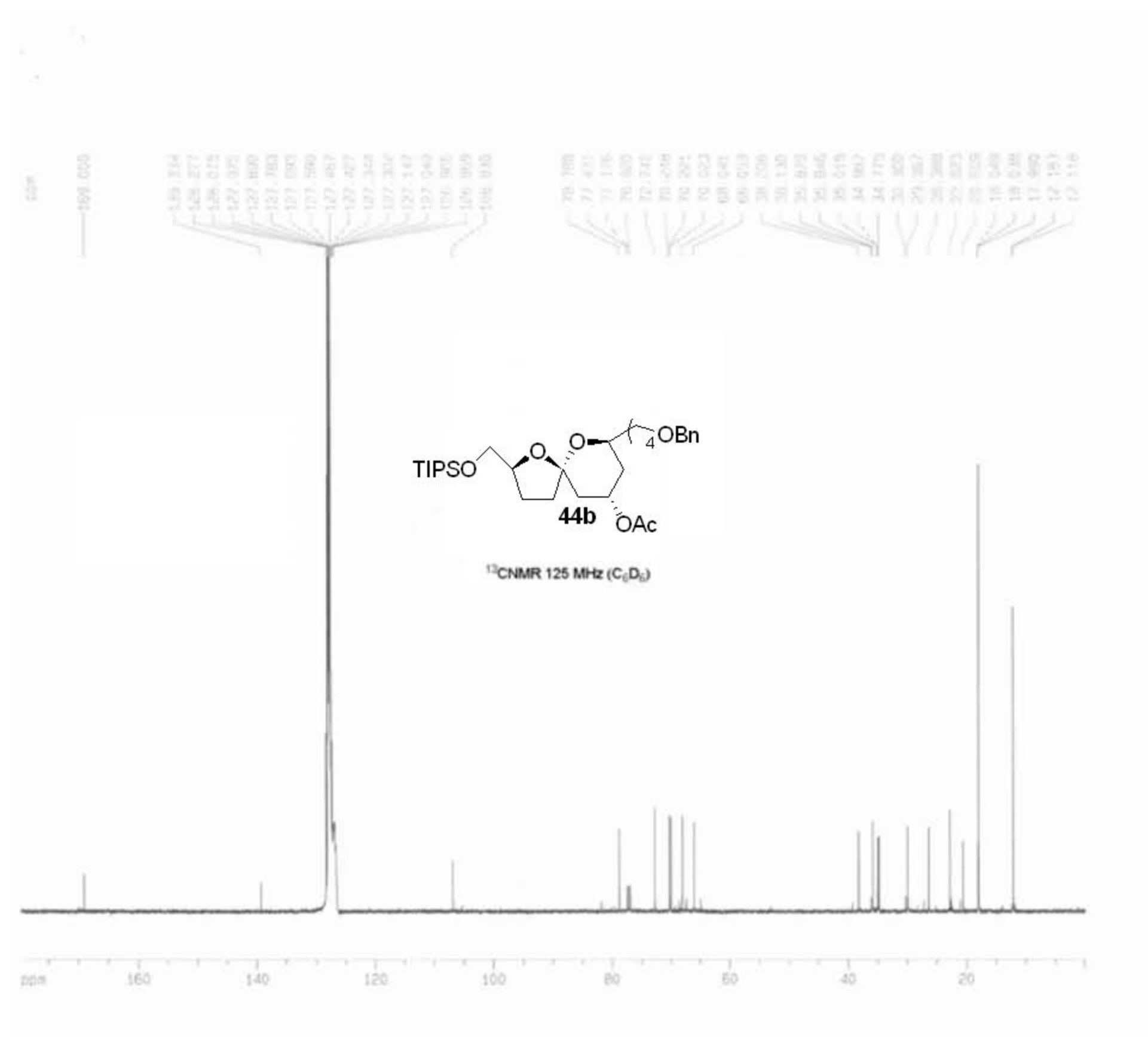
NUC1 1H
P1 9.30 usec
PL1 -3.00 dB
SFO1 500.1330885 MHz

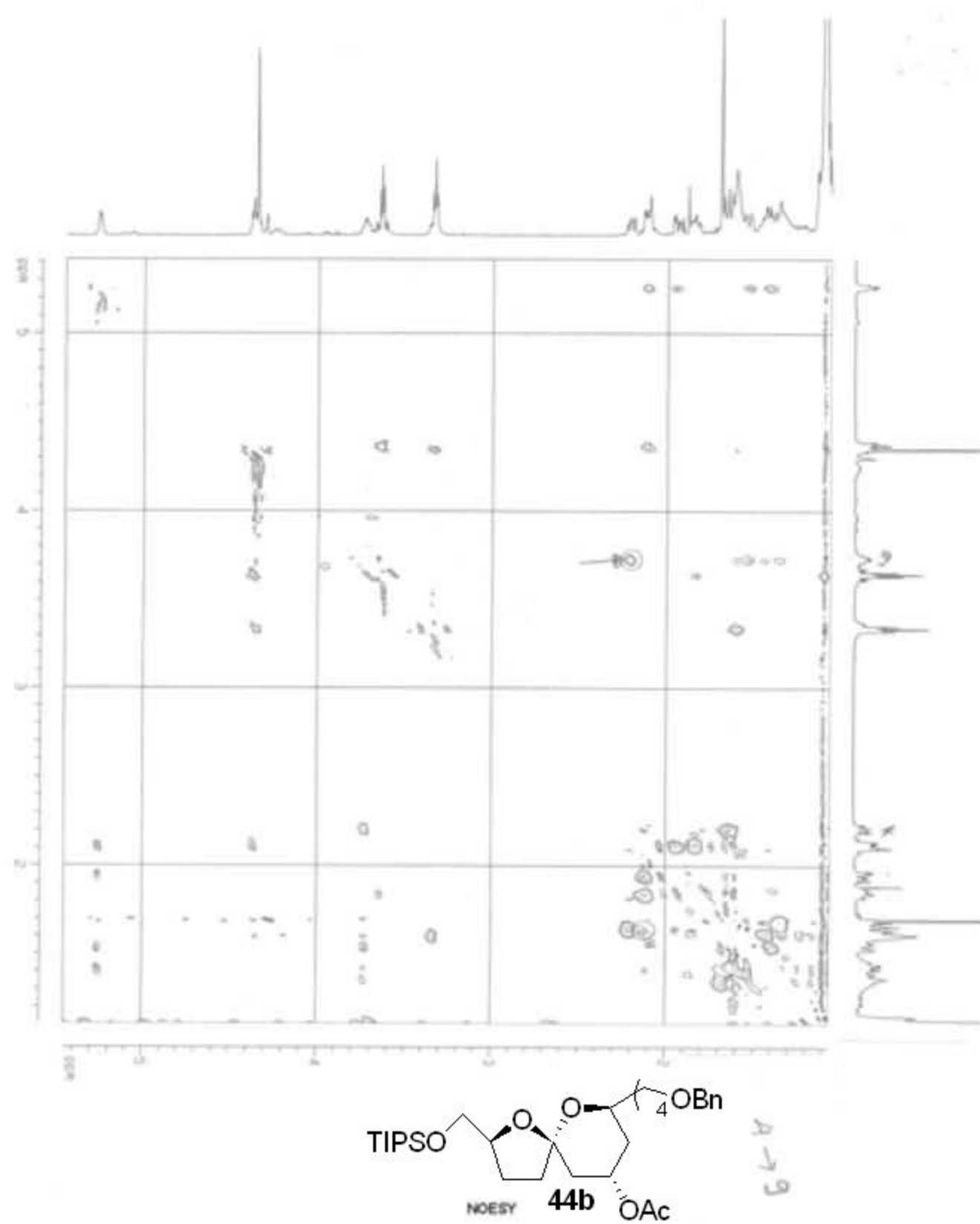
F2 - Processing parameters

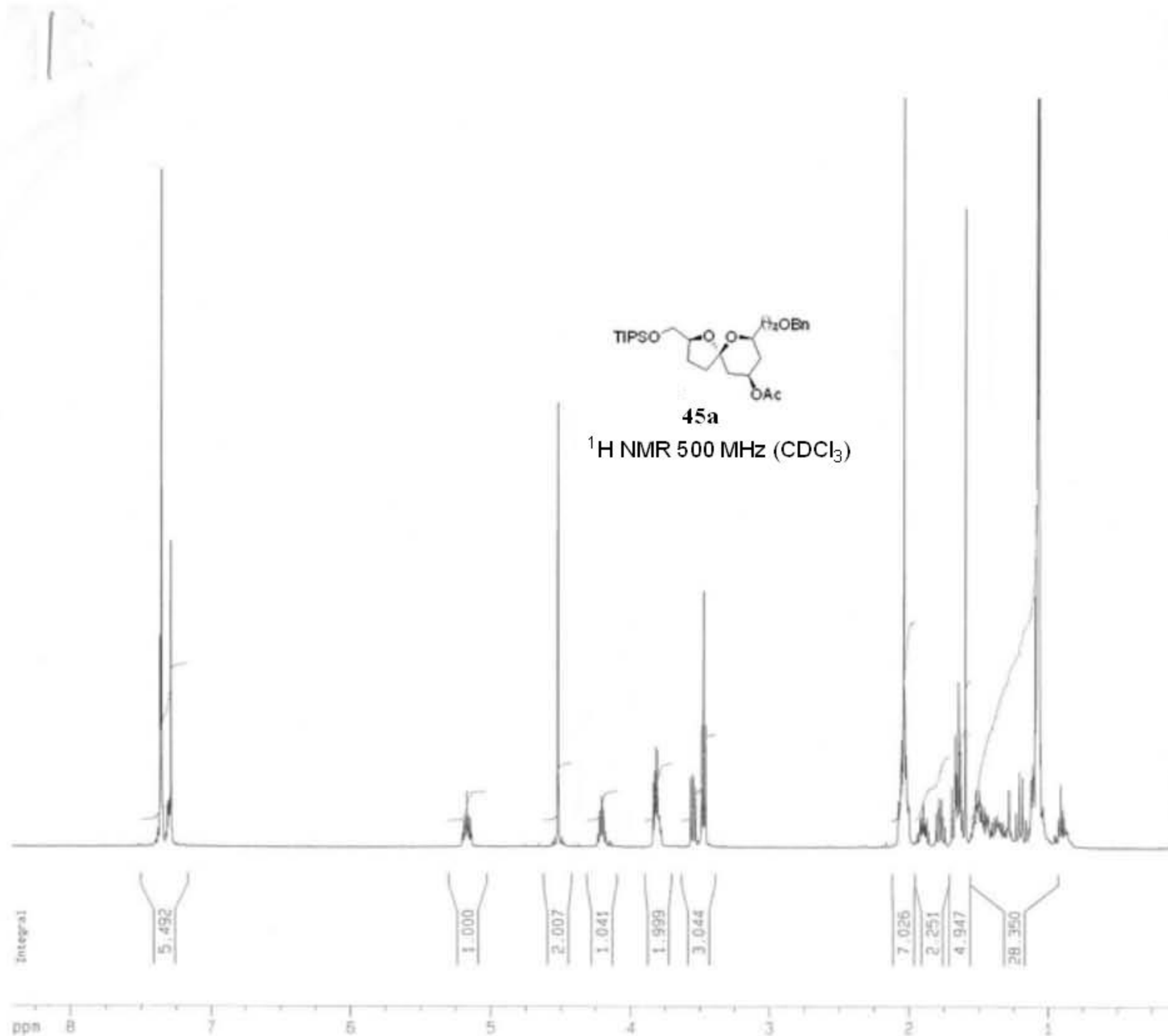
SF 32768
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 22.00 cm
CY 54.46 cm
F1P 8.000 ppm
F1 4001.04 Hz
F2P -0.100 ppm
F2 -50.01 Hz
PPMCH 0.36818 ppm/cm
HZCM 184.13878 Hz/cm







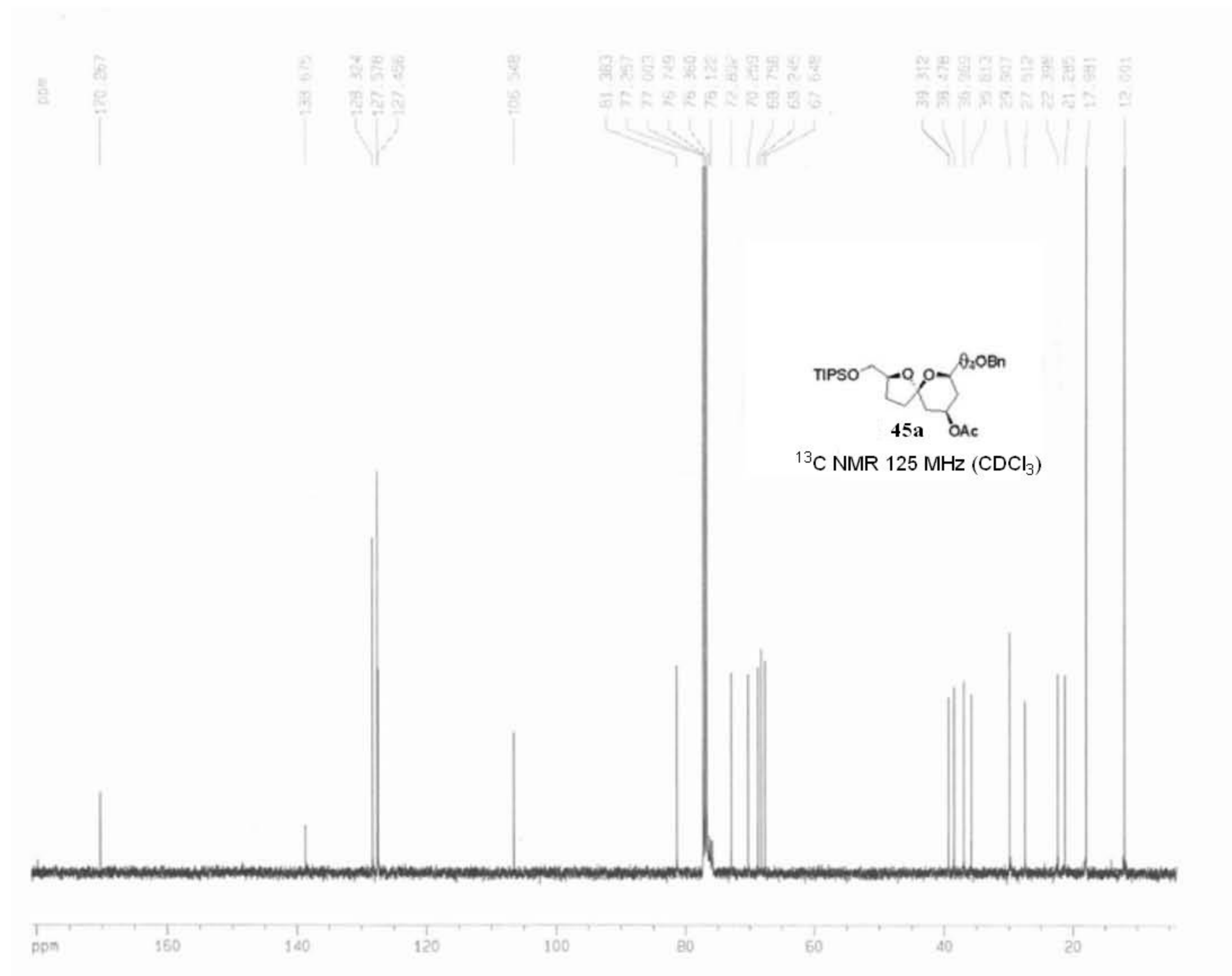
Current Data Parameters
 NAME 08220601
 EXPNO 26
 PROCNO 1

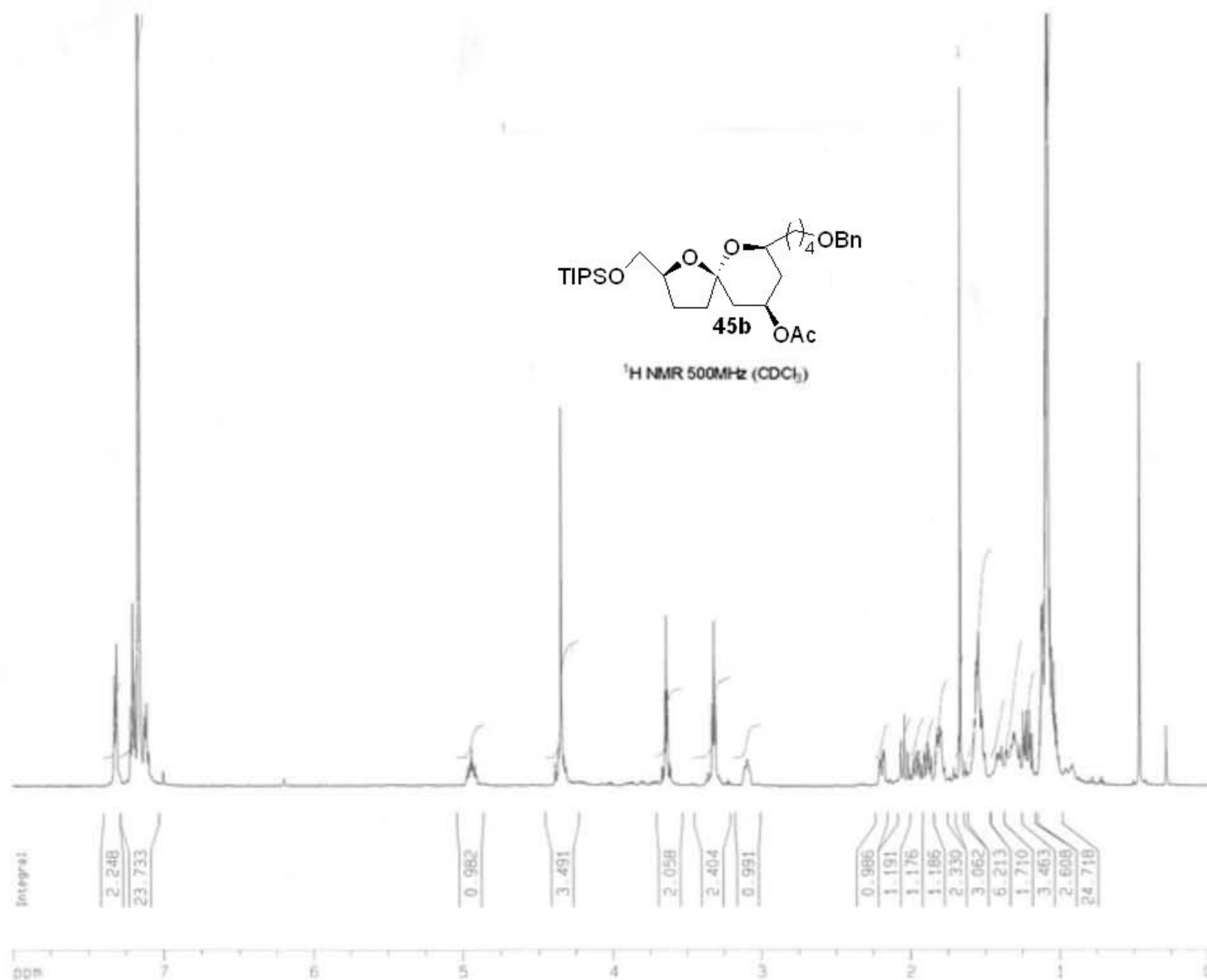
F2 - Acquisition Parameters
 Date_ 20060822
 Time 16.30
 INSTRUM spect
 PROBHD 5 mm QNP 13C-1
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SMI 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 143.7
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWRC 0.01500000 sec

***** CHANNEL F1 *****
 NUC1 1H
 P1 9.30 usec
 PL1 -3.00 dB
 SF01 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 43.74 cm
 F1P 8.407 ppm
 F1 4204.54 Hz
 F2P 0.036 ppm
 F2 18.13 Hz
 PPMCH 0.38048 ppm/cm
 HZCH 190.29161 Hz/cm





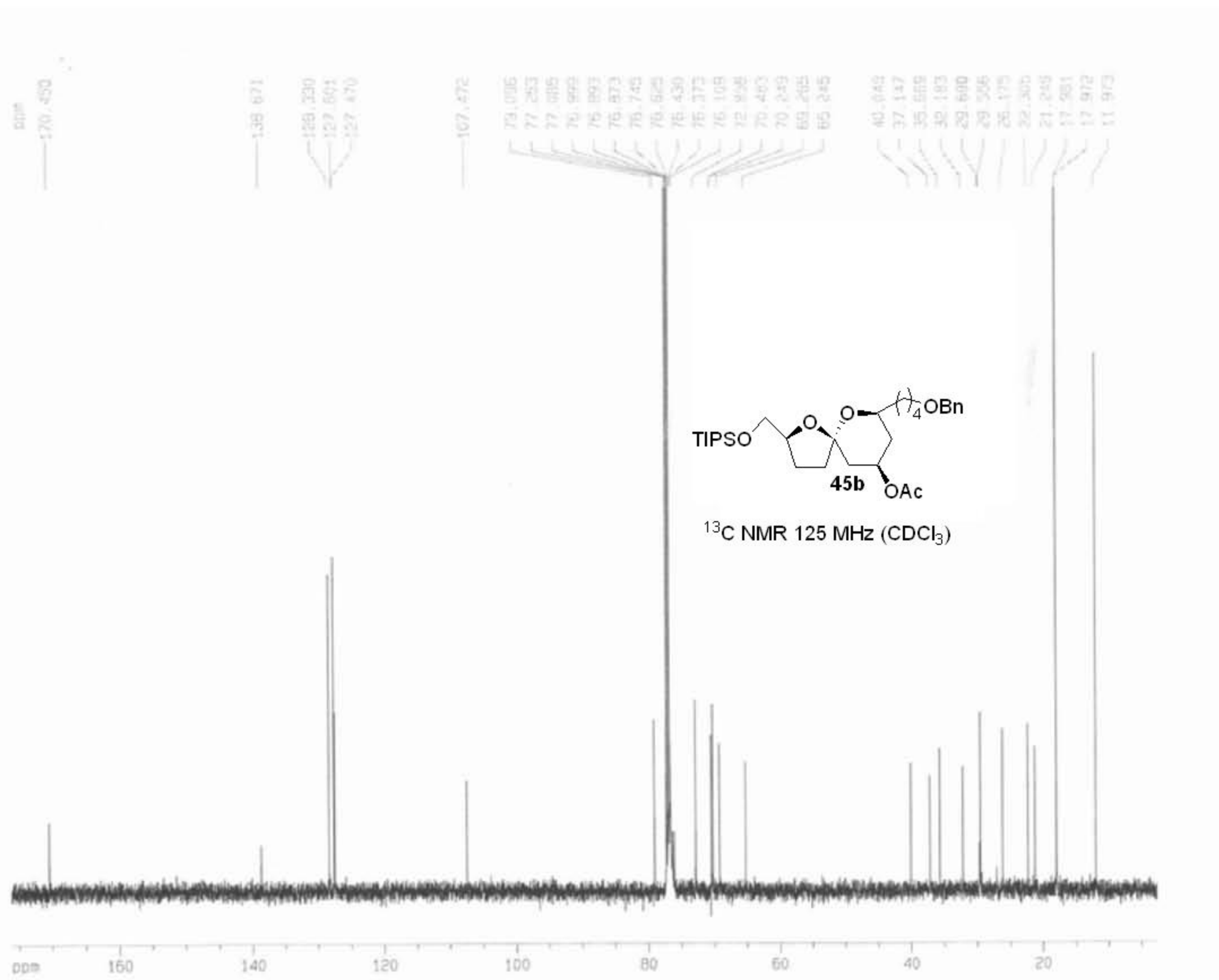
Current Data Parameters
 NAME 09190601
 EXPNO 11
 PROCNO 1

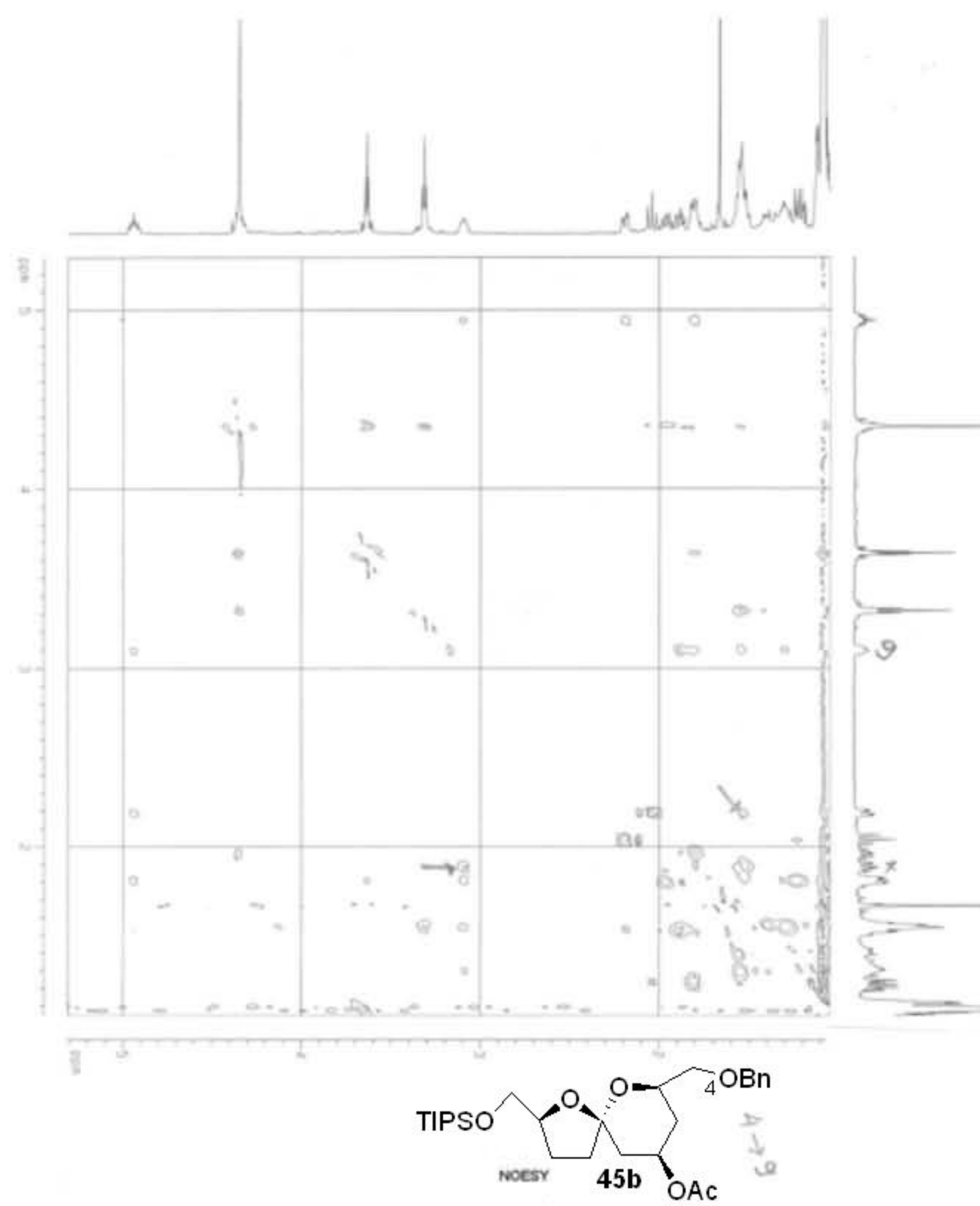
F2 - Acquisition Parameters
 Date_ 20060919
 Time 12.01
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TO 32768
 SOLVENT CDCl₃
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 256
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCNRK 0.01500000 sec

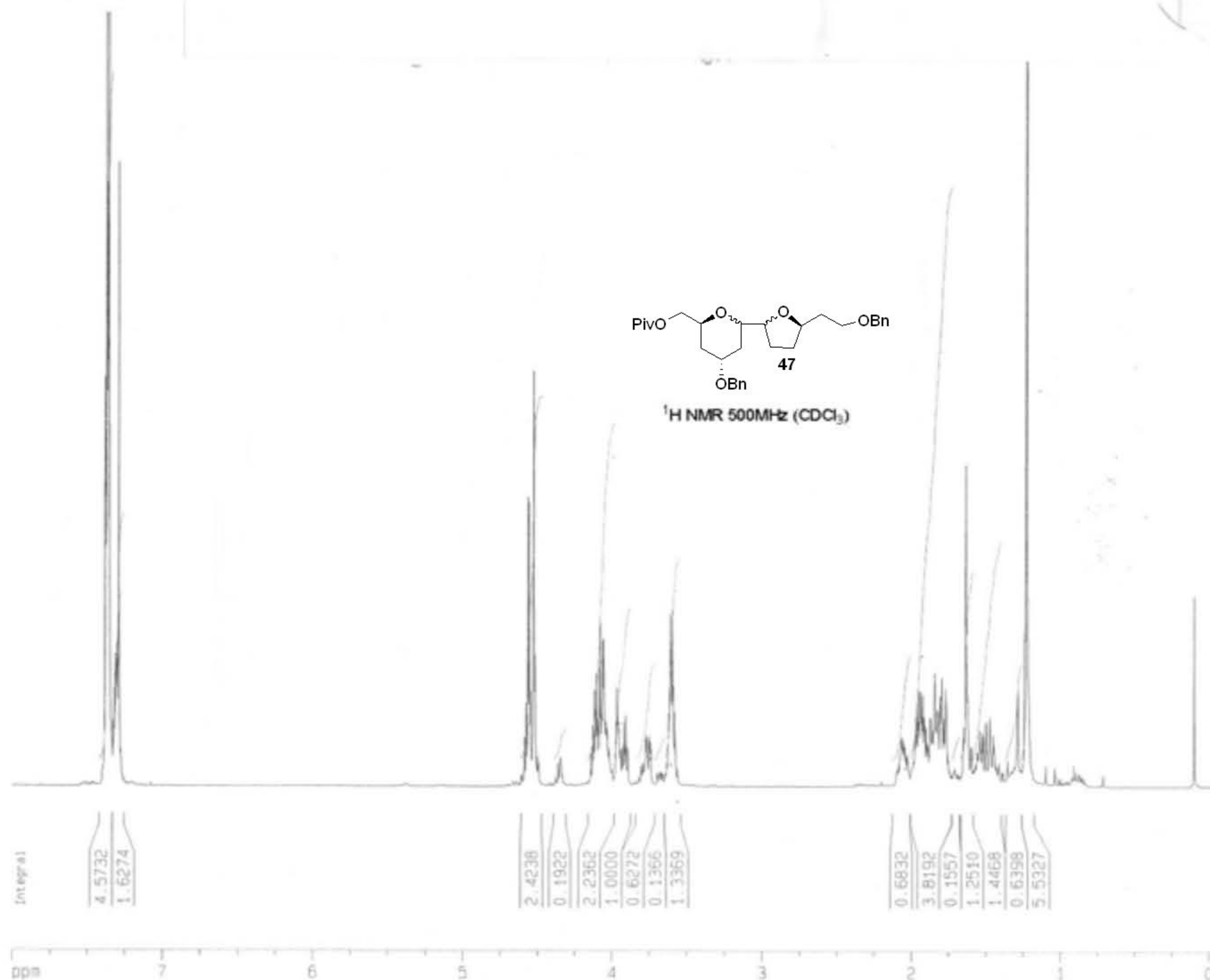
***** CHANNEL f1 *****
 NUC1 1H
 P1 9.30 usec
 PL1 -3.00 dB
 SFO1 500.1330865 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300568 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 43.74 cm
 F1P 8.000 ppm
 F1 4001.04 Hz
 F2P -0.100 ppm
 F2 -50.01 Hz
 PPMCM 0.36818 ppm/cm
 HZCM 184.13879 Hz/cm







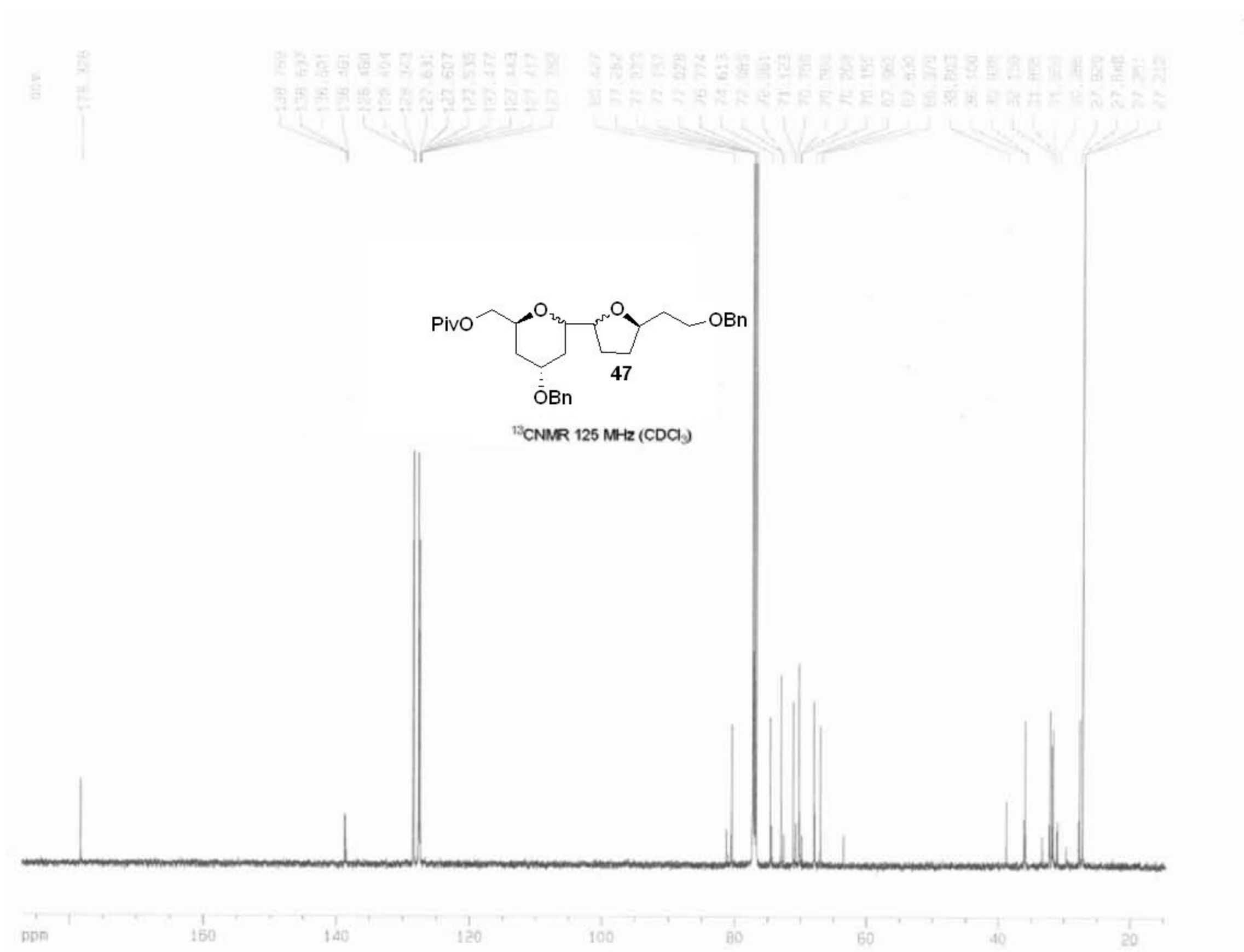
Current Data Parameters
 NAME 06060701
 EXPNO 13
 PROCNO 1

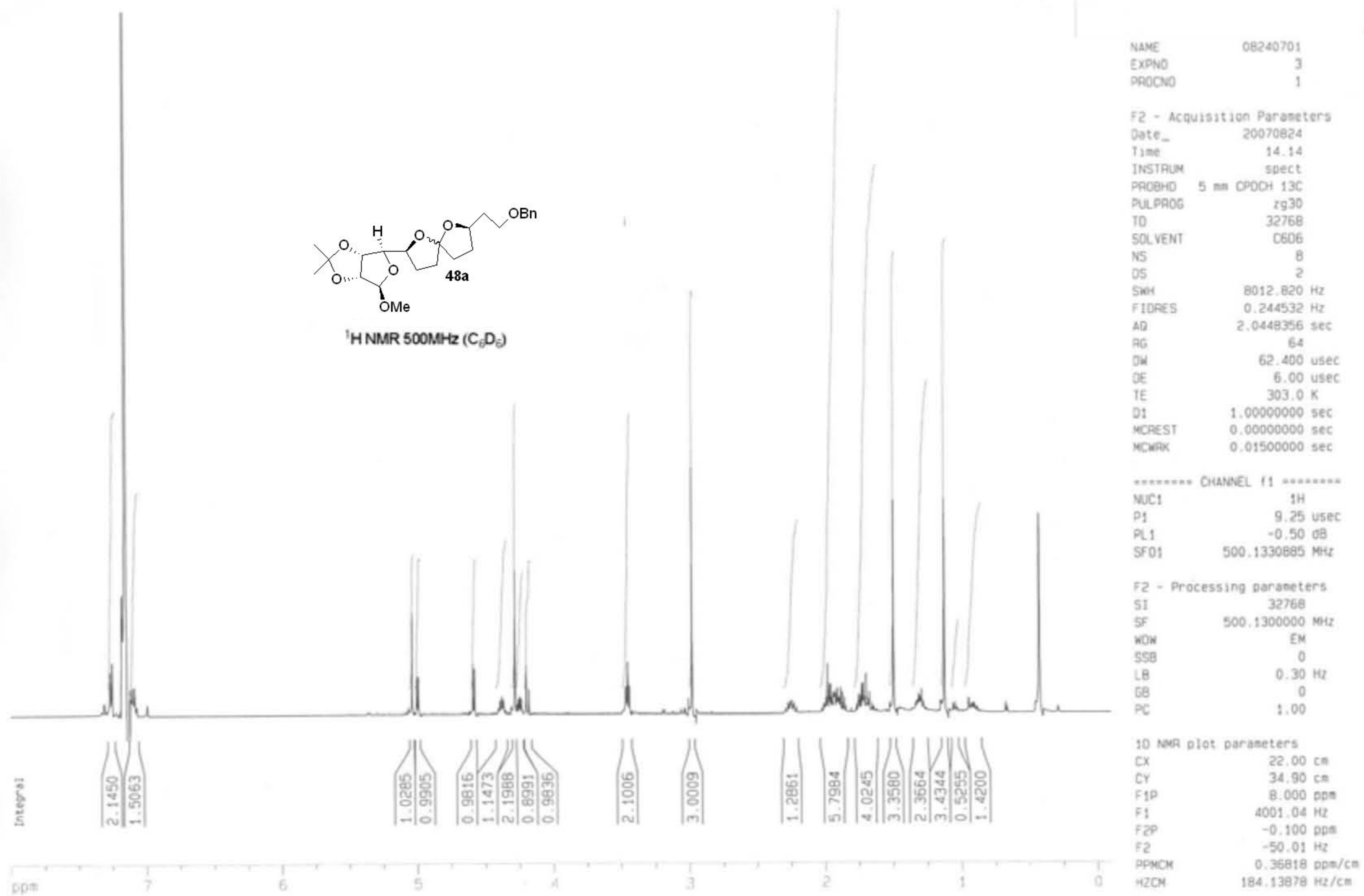
F2 - Acquisition Parameters
 Date_ 20070606
 Time 16.48
 INSTRUM spect
 PROBHD 5 mm CPOCH 13C
 PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 DW 62.400 usec
 DE 6.00 usec
 TE 304.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCMRK 0.01500000 sec

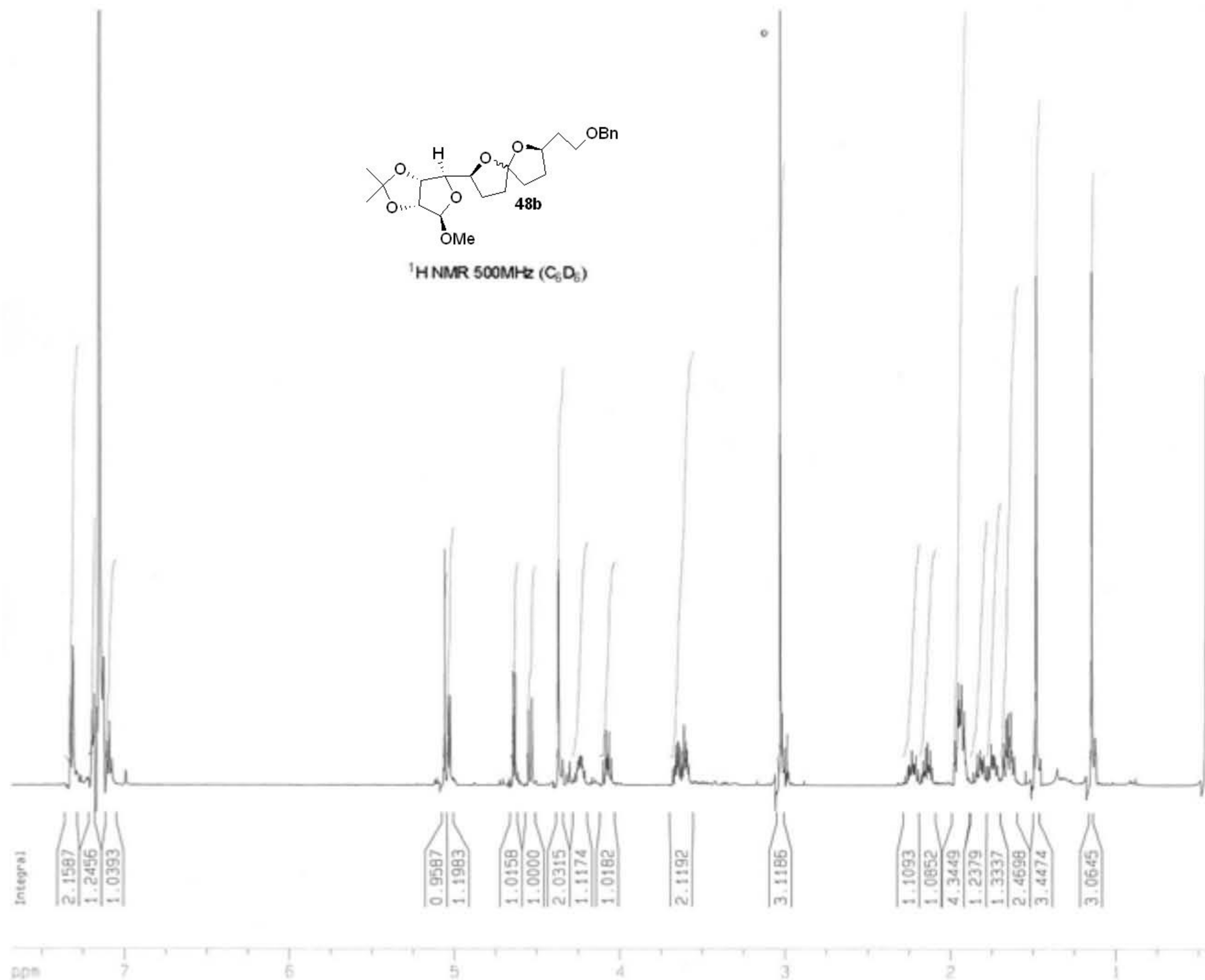
===== CHANNEL f1 =====
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SF01 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 73.37 cm
 F1P 8.000 ppm
 F1 4001.04 Hz
 F2P -0.100 ppm
 F2 -50.01 Hz
 PPHCM 0.36818 ppm/cm
 HZCM 184.13878 Hz/cm







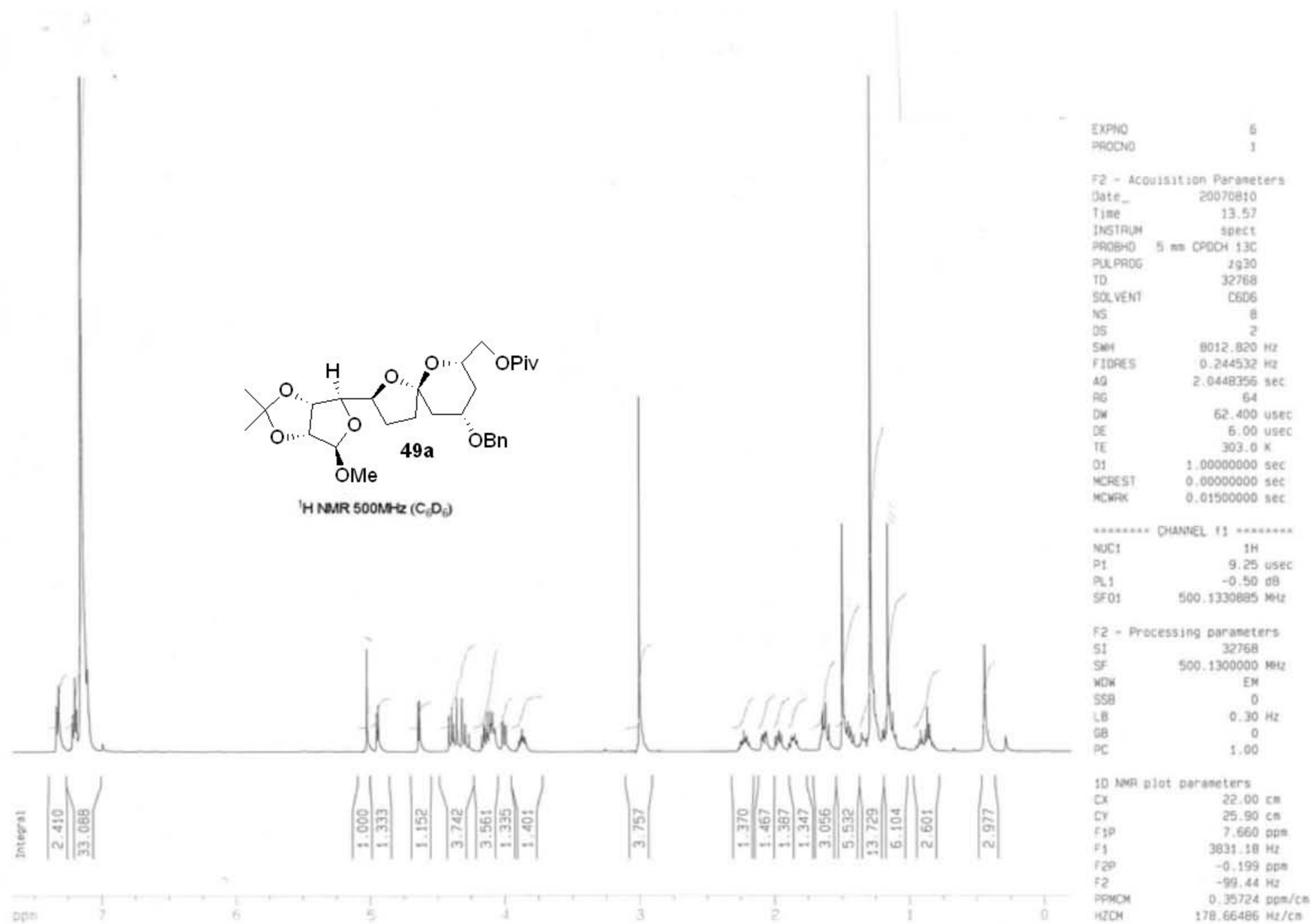
Current Data Parameters
 NAME 08240701
 EXPNO 8
 PROCNO 1

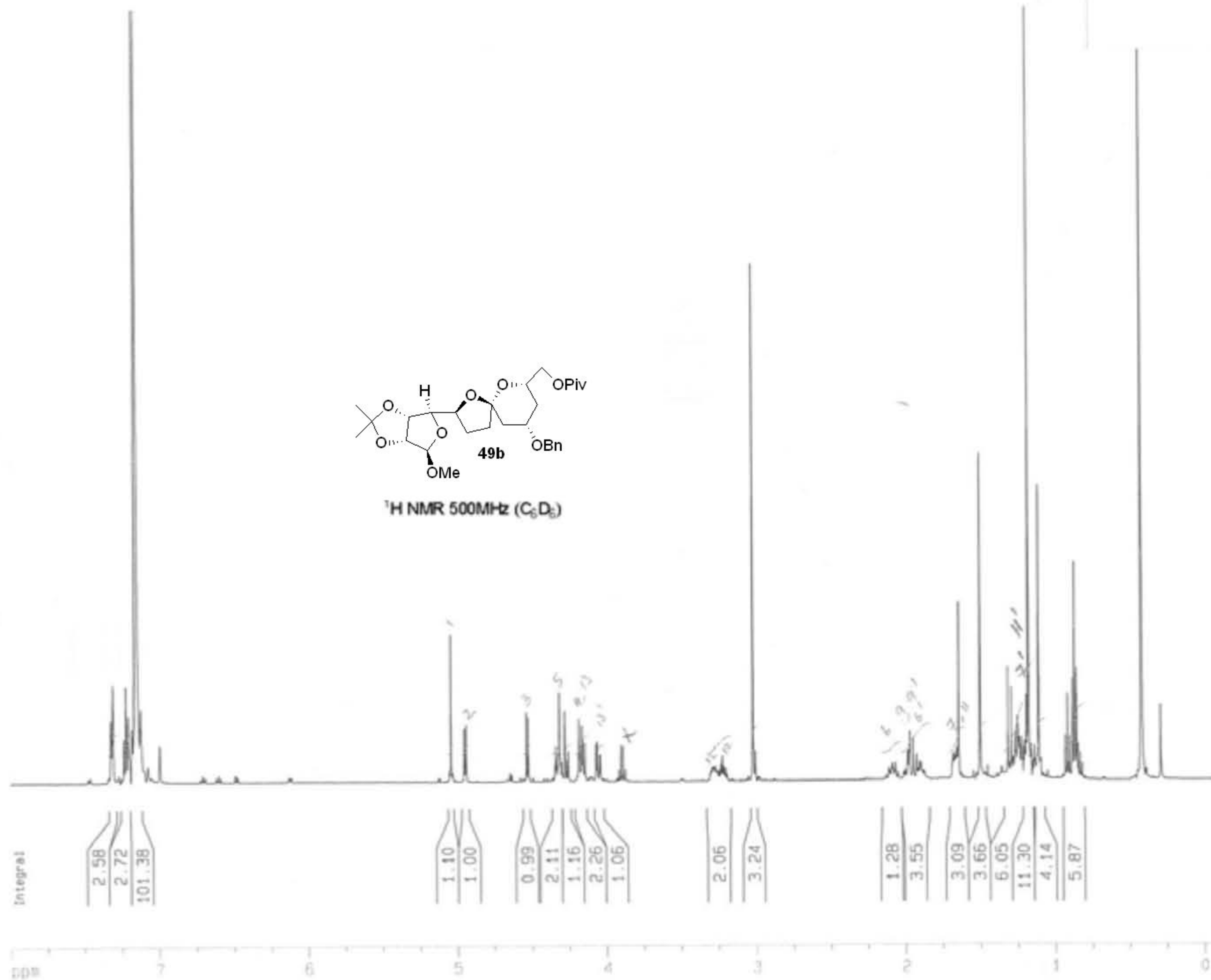
F2 - Acquisition Parameters
 Date_ 20070824
 Time 14.45
 INSTRUM spect
 PROBHD 5 mm CPDCH 13C
 PULPROG zg30
 TD 32768
 SOLVENT C6D6
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWRR 0.01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SFO1 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 43.74 cm
 F1P 7.681 ppm
 F1 3841.29 Hz
 F2P 0.347 ppm
 F2 173.38 Hz
 PPMCM 0.33336 ppm/cm
 HZCM 166.72324 Hz/cm





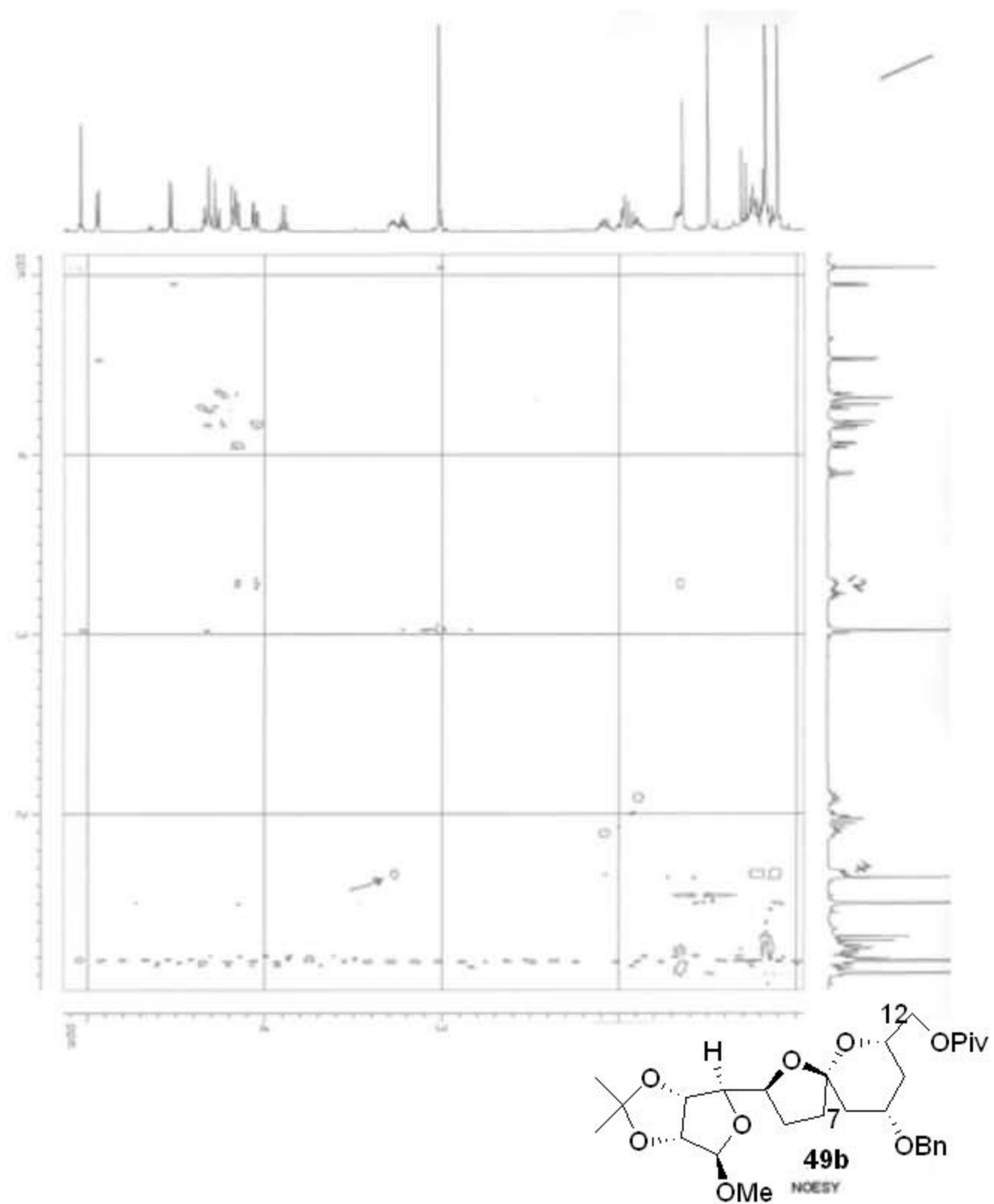
NAME: 49b
EXPNO: 11
PROCNO: 1

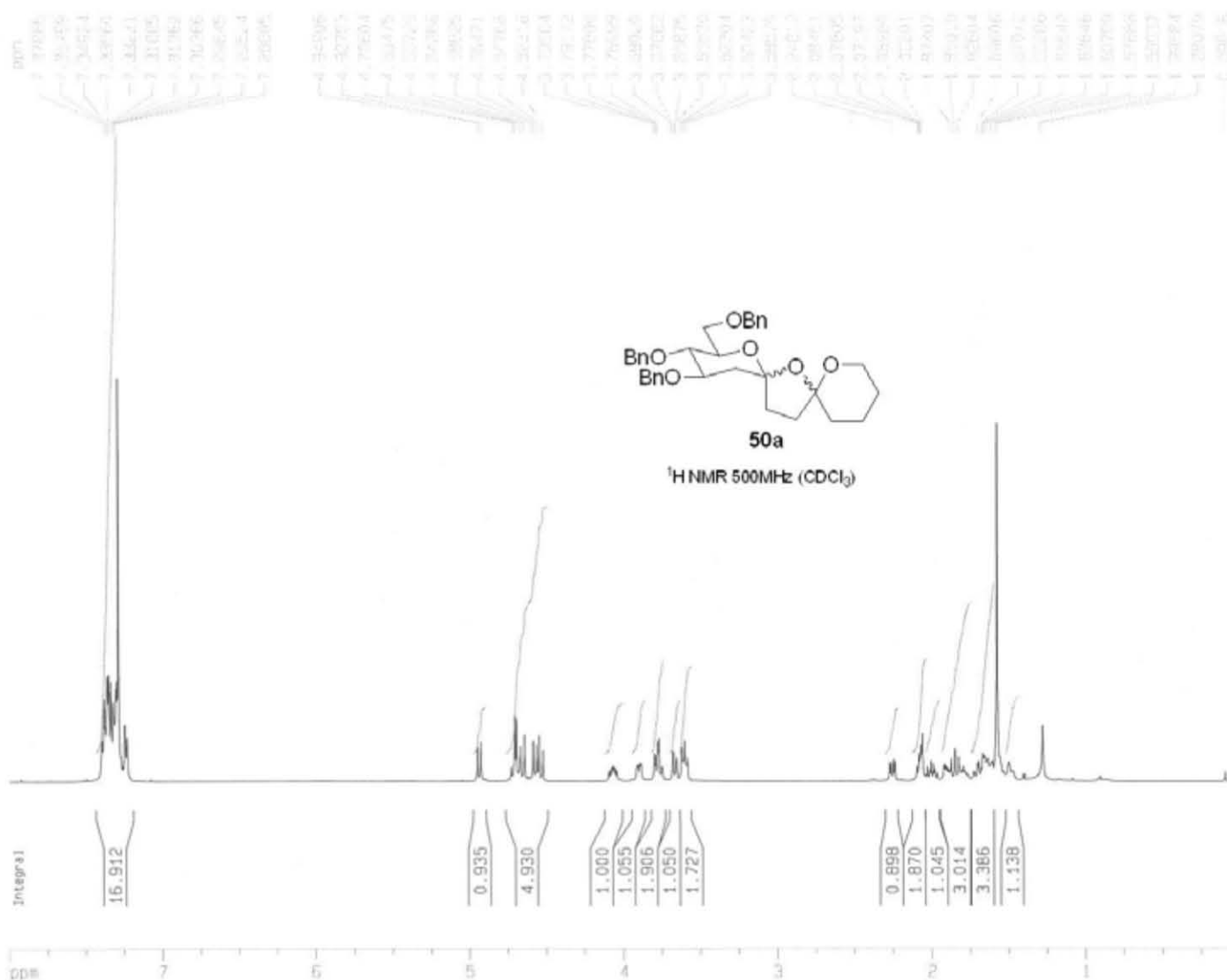
F2 - Acquisition Parameters
Date_: 20070823
Time: 16.53
INSTRUM: spect
PROBHD: 5 mm CPDCH 13C
PULPROG: zg30
TD: 32768
SOLVENT: C6D6
NS: 8
DS: 2
SWH: 8012.820 Hz
FIDRES: 0.244532 Hz
AQ: 2.0448356 sec
RG: 64
QW: 62.400 usec
DE: 6.00 usec
TE: 303.0 K
D1: 1.00000000 sec
MCREST: 0.00000000 sec
MCWPK: 0.01500000 sec

***** CHANNEL f1 *****
NUC1: ¹H
P1: 9.25 usec
PL1: -0.50 dB
SF01: 500.1330885 MHz

F2 - Processing parameters
SI: 32768
SF: 500.1300000 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 1.00

1D NMR plot parameters
CX: 22.00 cm
CY: 113.60 cm
F1P: 8.000 ppm
F1: 4001.04 Hz
F2P: -0.100 ppm
F2: -50.01 Hz
PPMCM: 0.36818 ppm/cm
HZCM: 184.13878 Hz/cm





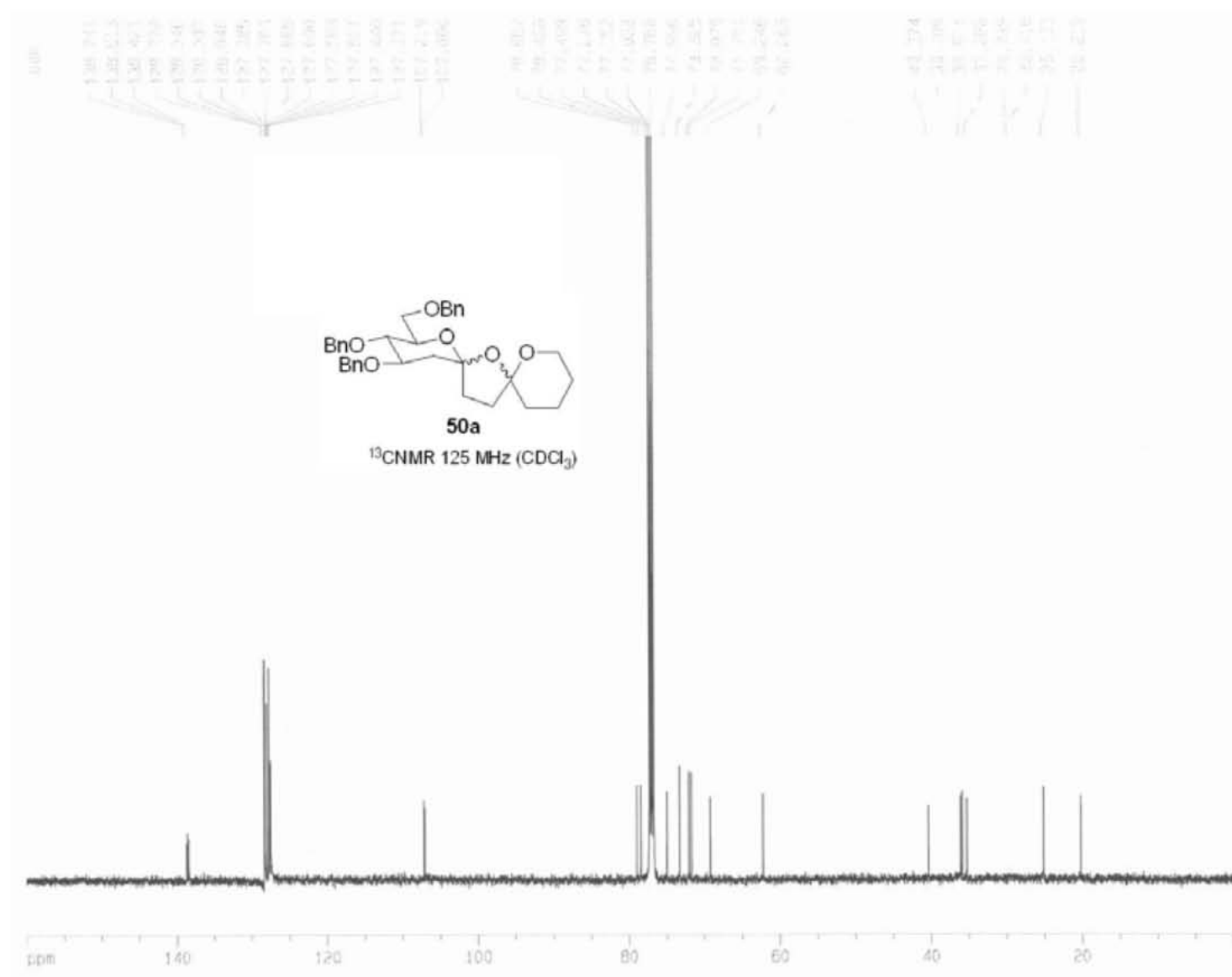
Current Data Parameters
 NAME 08090701
 EXPNO 5
 PROCNO 1

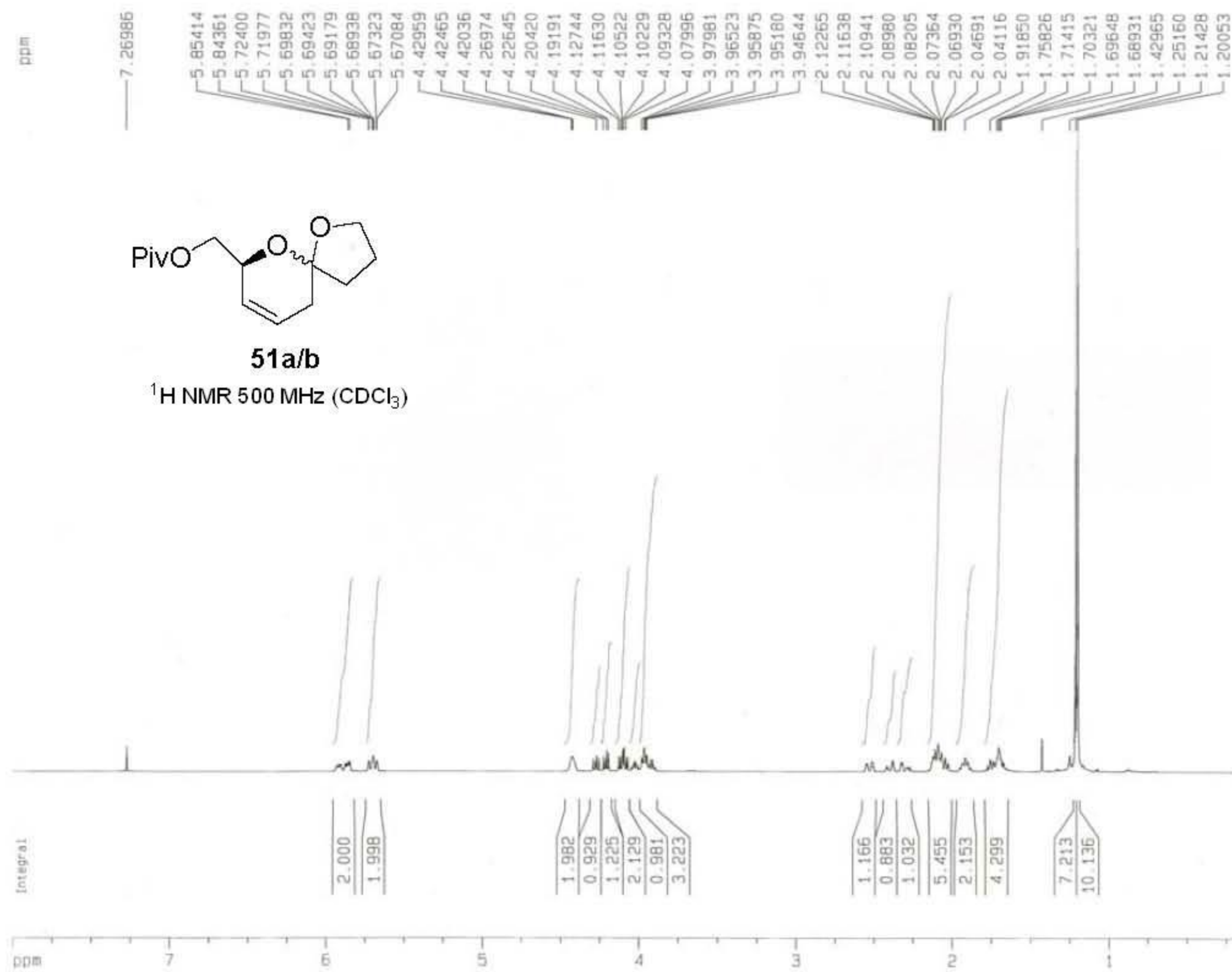
F2 - Acquisition Parameters
 Date_ 20070809
 Time 12.10
 INSTRUM spect
 PROBHD 5 mm CPDCH 13C
 PULPROG zg30
 TD 32768
 SOLVENT C6D6
 NS 8
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0448356 sec
 RG 64
 DW 62.400 usec
 DE 6.00 usec
 TE 303.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWRK 0.01500000 sec

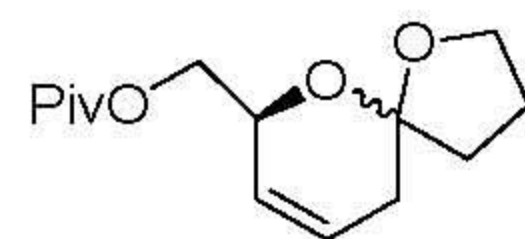
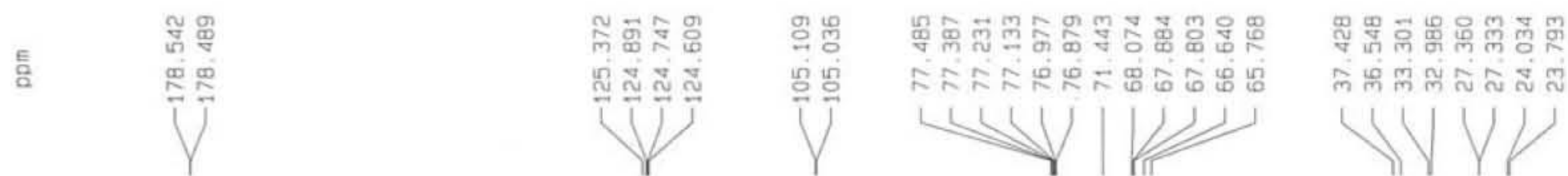
***** CHANNEL f1 *****
 NUC1 1H
 P1 9.25 usec
 PL1 -0.50 dB
 SF01 500.1330885 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 22.00 cm
 CY 7.34 cm
 F1P 8.000 ppm
 F1 4001.04 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPMCM 0.36364 ppm/cm
 HZCM 181.86546 Hz/cm







51a/b

^1H NMR 500 MHz (CDCl_3)

