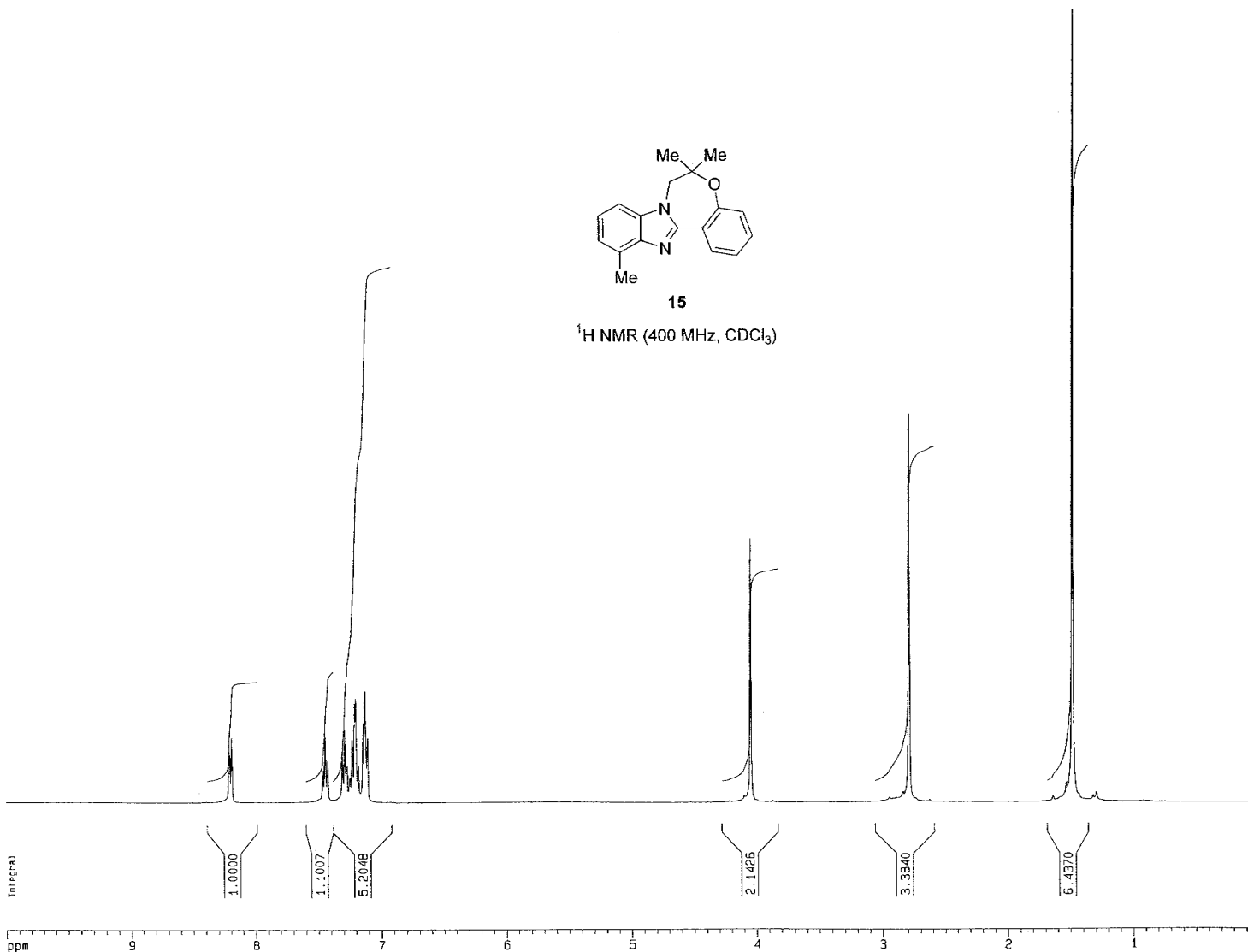


15

¹H NMR (400 MHz, CDCl₃)



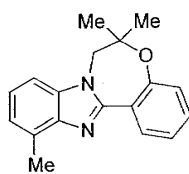
Current Data Parameters
NAME May26-2003
EXPNO 20
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030526
Time 16.13
INSTRUM spect
PROBHD 5 mm BB0 BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 57
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -6.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
F1P 10.000 ppm
F1 4001.30 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCM 0.33333 ppm/cm
HZCM 133.37666 Hz/cm



15

¹H NMR (400 MHz, CDCl₃)
(expansion)

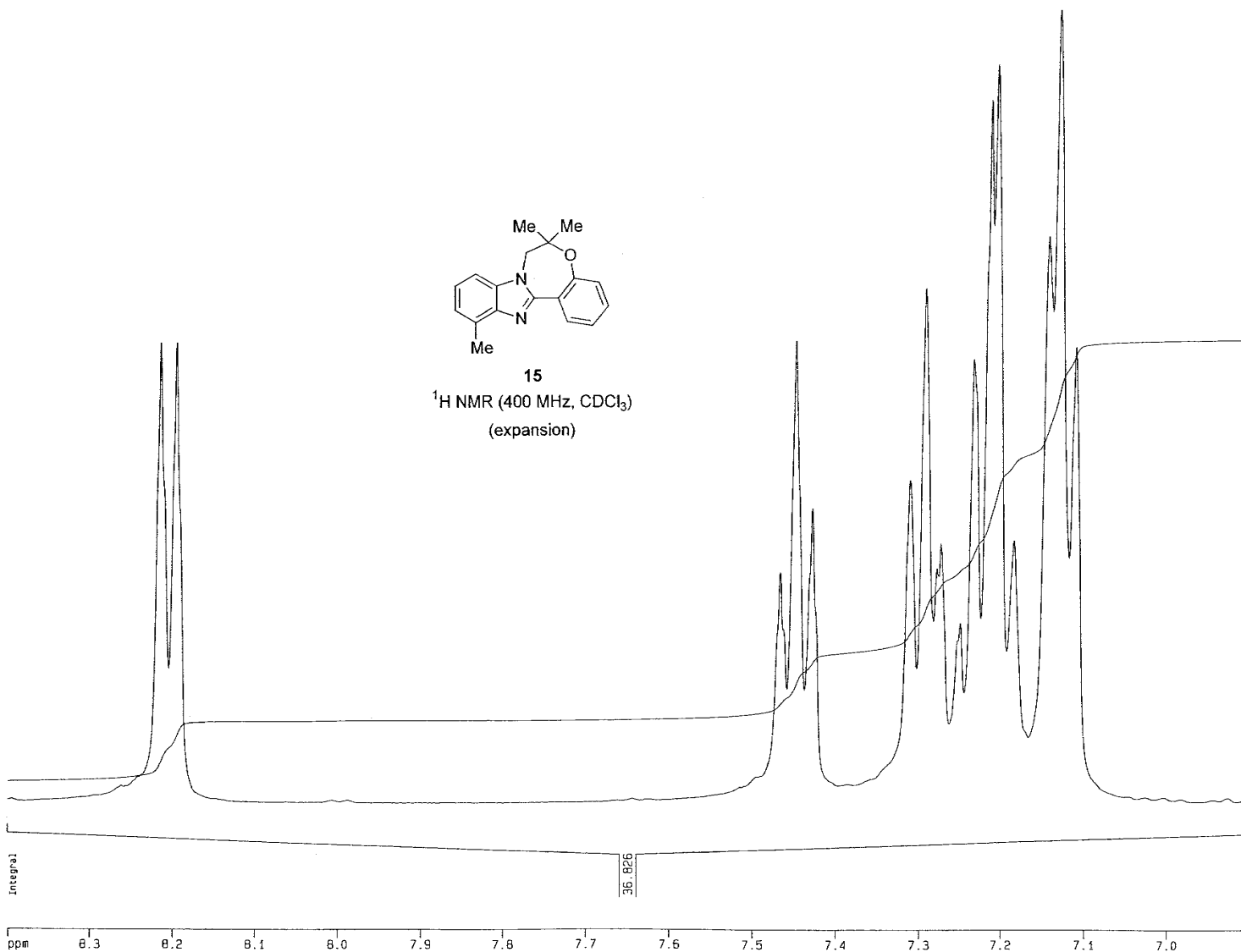
Current Data Parameters
NAME May26-2003
EXPNO 20
PROCNO 1

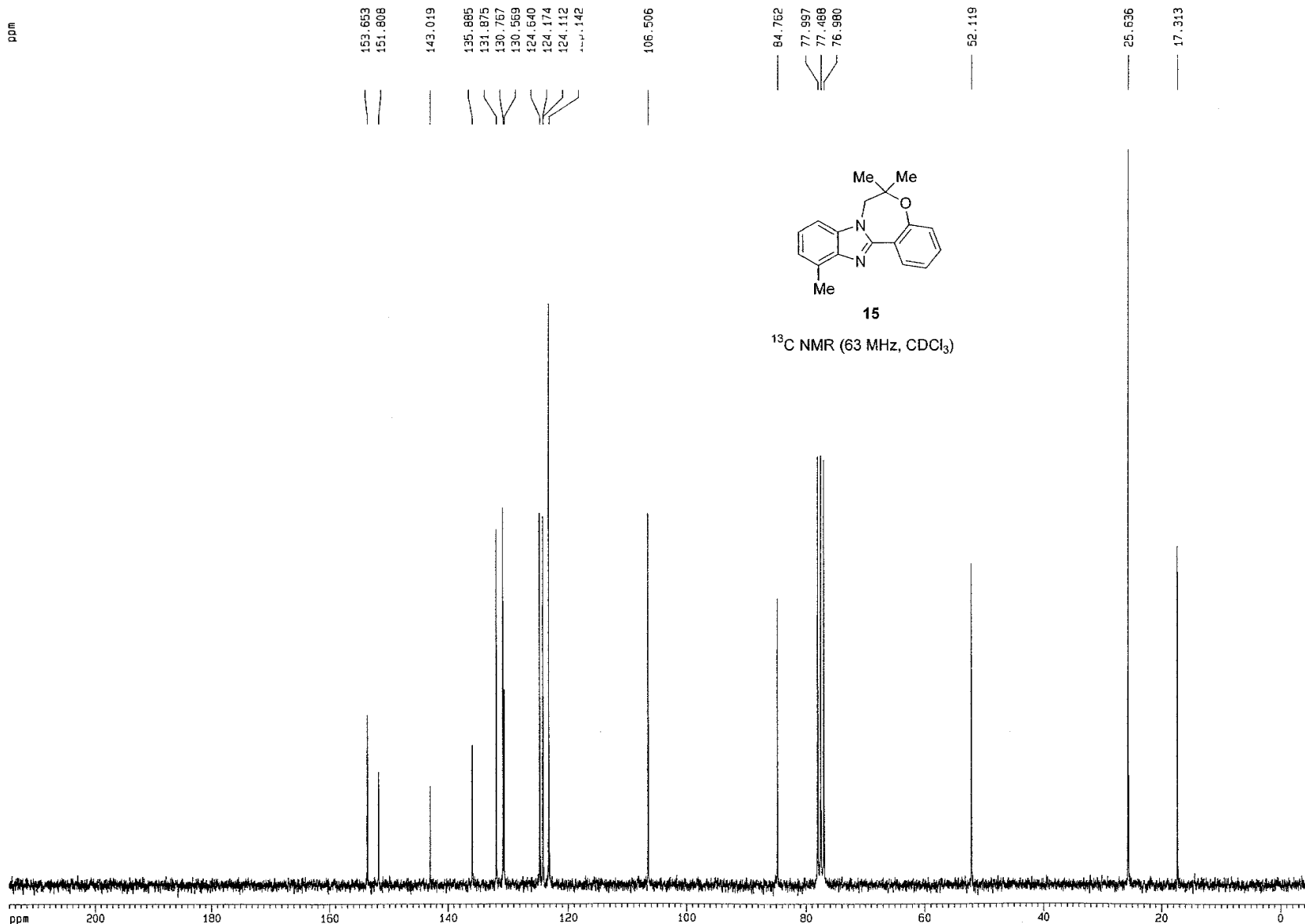
F2 - Acquisition Parameters
Date_ 20030526
Time 16.13
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 57
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -6.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
F1P 8.400 ppm
F1 3361.09 Hz
F2P 6.900 ppm
F2 2760.90 Hz
PPMCM 0.05000 ppm/cm
HZCM 20.00649 Hz/cm





Current Data Parameters
 NAME May26-2003
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20030526
 Time 12.42
 INSTRUM spect
 PROBHD 5 mm QNP 1H/
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 600
 DS 4
 SWH 15723.271 Hz
 FIDRES 0.239918 Hz
 AQ 2.0840948 sec
 RG 10321.3
 DW 31.600 usec
 DE 30.00 usec
 TE 300.0 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 d12 0.00002000 sec

===== CHANNEL f1 =====
 NUC1 ^{13}C
 P1 8.00 usec
 PL1 0.00 dB
 SF01 62.9021320 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 ^1H
 PCPD2 80.00 usec
 PL2 -4.00 dB
 PL12 16.00 dB
 PL13 17.00 dB
 SF02 250.1310005 MHz

F2 - Processing parameters
 SI 32768
 SF 62.8952140 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

1D NMR plot parameters
 CX 34.00 cm
 F1P 215.000 ppm
 F1 13522.47 Hz
 F2P -5.000 ppm
 F2 -314.48 Hz
 PPMCH 6.47059 ppe/cm
 HZCH 406.96902 Hz/cm

Integral

ppm

7.70942
7.68060
7.65669
7.62466
7.56368
7.53309
7.50113
7.23982
7.22874
7.22625
7.21820
7.19581
7.11594
7.09876
7.08287

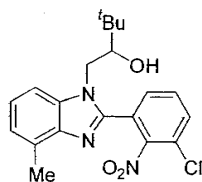
5.27654

4.34860
4.34330
4.29055
4.09396
4.05364
4.03595
3.99561
3.68260
3.67632
3.66533
3.65894
3.64272
3.63615
3.62526

2.63035

1.98378
1.96630

0.94179



16

¹H NMR (250 MHz, CDCl₃)

Current Data Parameters
NAME Feb25-2003
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030225
Time 19.38
INSTRUM spect
PROBHD 5 mm GNP 1H/
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 256
DS 0
SWH 5175.983 Hz
FIDRES 0.315917 Hz
AQ 1.5827444 sec
RG 1290.2
DH 96.600 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec

----- CHANNEL f1 -----
NUC1 1H
P1 7.20 usec
PL1 -4.00 dB
SF01 250.1315447 MHz

F2 - Processing parameters
SI 32768
SF 250.1300124 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 34.00 cm
F1P 10.000 ppm
F1 2501.30 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPHCH 0.29412 ppm/cm
HZCM 73.56765 Hz/cm

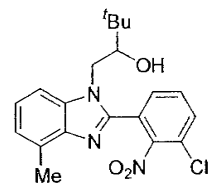
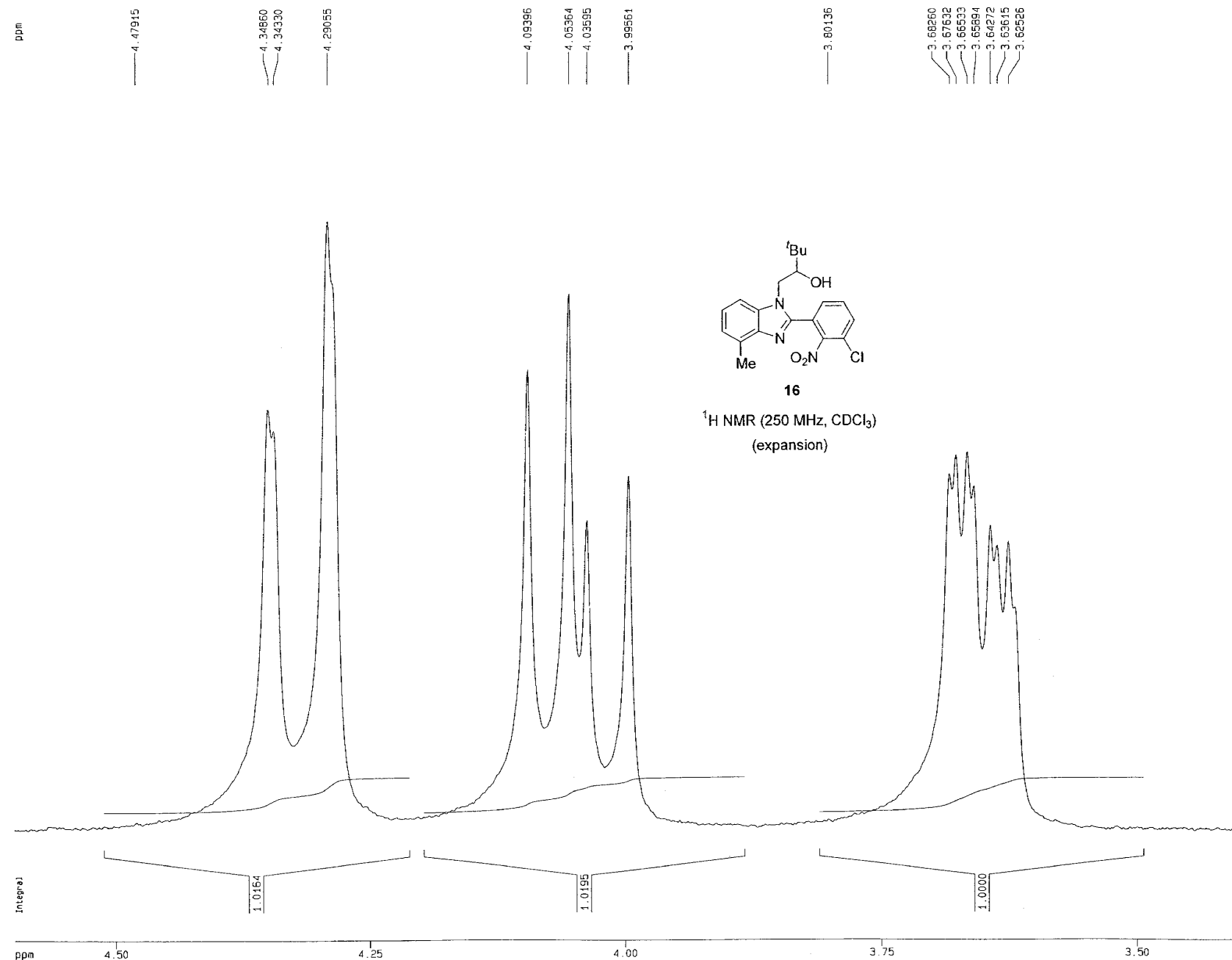
3.1462
2.7907
0.9606

1.0164
1.0195
1.0000

3.0620

1.0487

9.5605



16

¹H NMR (250 MHz, CDCl₃)
(expansion)

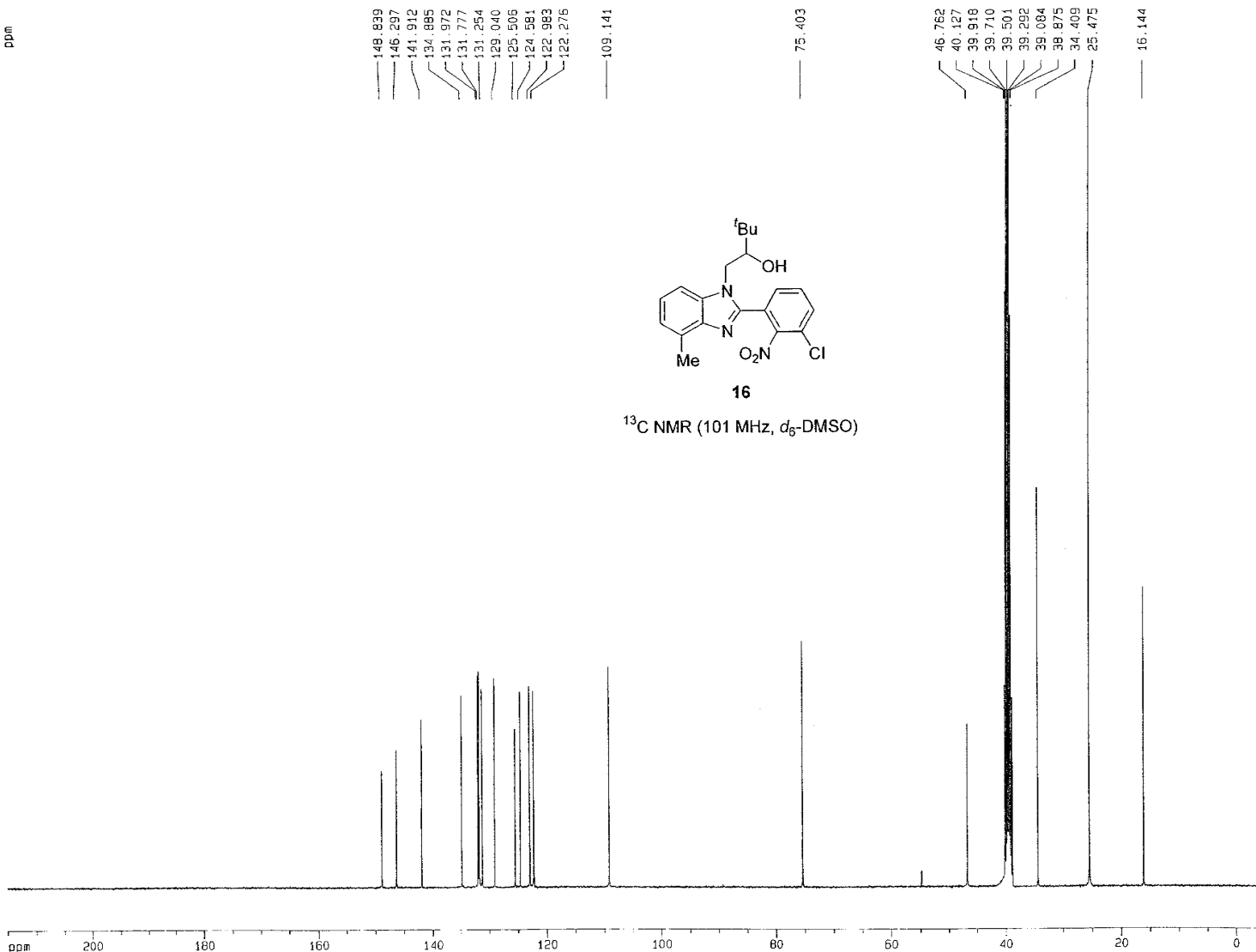
Current Data Parameters
NAME Feb25-2003
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030225
Time 19.38
INSTRUM spect
PROBHD 5 mm QNP 1H/
PULPROG zg30
TD 16384
SOLVENT CDCl₃
NS 256
DS 0
SWH 5175.983 Hz
FIDRES 0.315917 Hz
AQ 1.5827444 sec
RG 1290.2
DM 96.600 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.20 usec
PL1 -4.00 dB
SF01 250.1315447 MHz

F2 - Processing parameters
SI 32768
SF 250.1300124 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 34.00 cm
F1P 4.600 ppm
F1 1150.60 Hz
F2P 3.400 ppm
F2 850.44 Hz
PPMCM 0.03529 ppm/cm
HZCM 8.82812 Hz/cm



Current Data Parameters
 NAME Mar02-2003
 EXPNO 50
 PROCNO 1

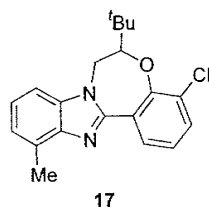
F2 - Acquisition Parameters
 Date_ 20030303
 Time 7.28
 INSTRUM spect
 PROBH0 5 mm BBO BB-1
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 8500
 DS 4
 SWH 25125.629 Hz
 FIDRES 0.383387 Hz
 AQ 1.3042164 sec
 RG 3649.1
 DN 19.900 usec
 DE 6.00 usec
 TE 300.0 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 d12 0.00002000 sec

===== CHANNEL f1 =====
 NUC1 ^{13}C
 P1 5.90 usec
 PL1 -6.00 dB
 SF01 100.6237959 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 ^1H
 PCPD2 80.00 usec
 PL2 -6.00 dB
 PL12 15.80 dB
 PL13 15.80 dB
 SF02 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6128182 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

1D NMR plot parameters
 CX 30.00 cm
 F1P 215.000 ppm
 F1 21631.76 Hz
 F2P -5.000 ppm
 F2 -503.06 Hz
 PPMCM 7.33333 ppm/cm
 HZCM 737.82733 Hz/cm



¹H NMR (400 MHz, CDCl₃)

Current Data Parameters

NAME Nov07-2002
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters

Date_ 20021107
Time 17.56
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zg30
TQ 32768
SOLVENT CDC13
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 64
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.0000000 sec

===== CHANNEL f1 =====

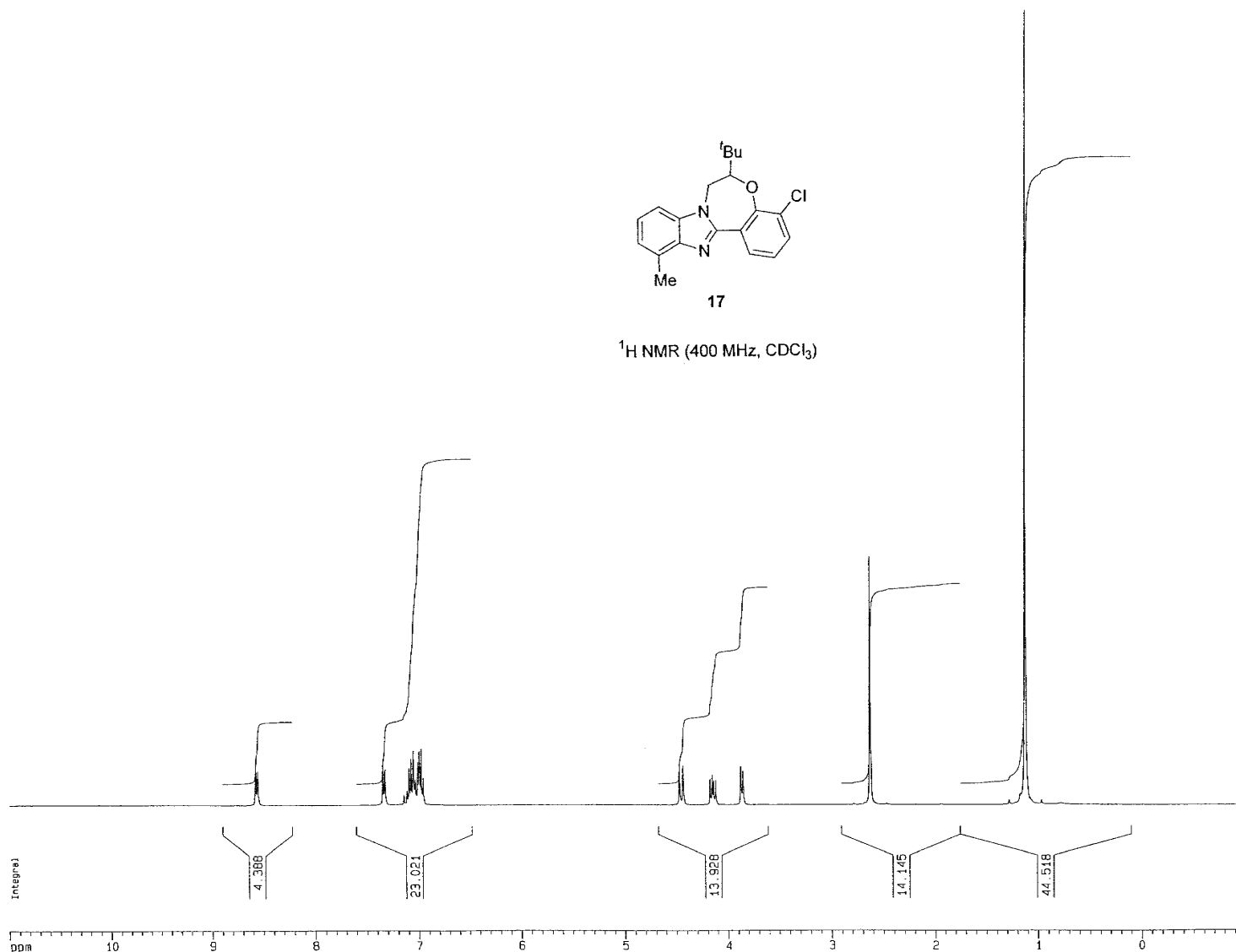
NUC1 ¹H
P1 7.50 usec
PL1 -6.00 dB
SFO1 400.1324710 MHz

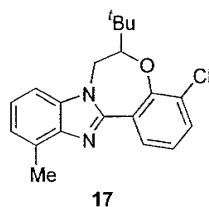
F2 - Processing parameters

SI 32768
SF 400.1300514 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 30.00 cm
F1P 11.000 ppm
F1 4401.43 Hz
F2P -1.000 ppm
F2 -400.13 Hz
PPMCM 0.40000 ppm/cm
HZCM 160.05203 Hz/cm





¹H NMR (400 MHz, CDCl₃)
(expansion)

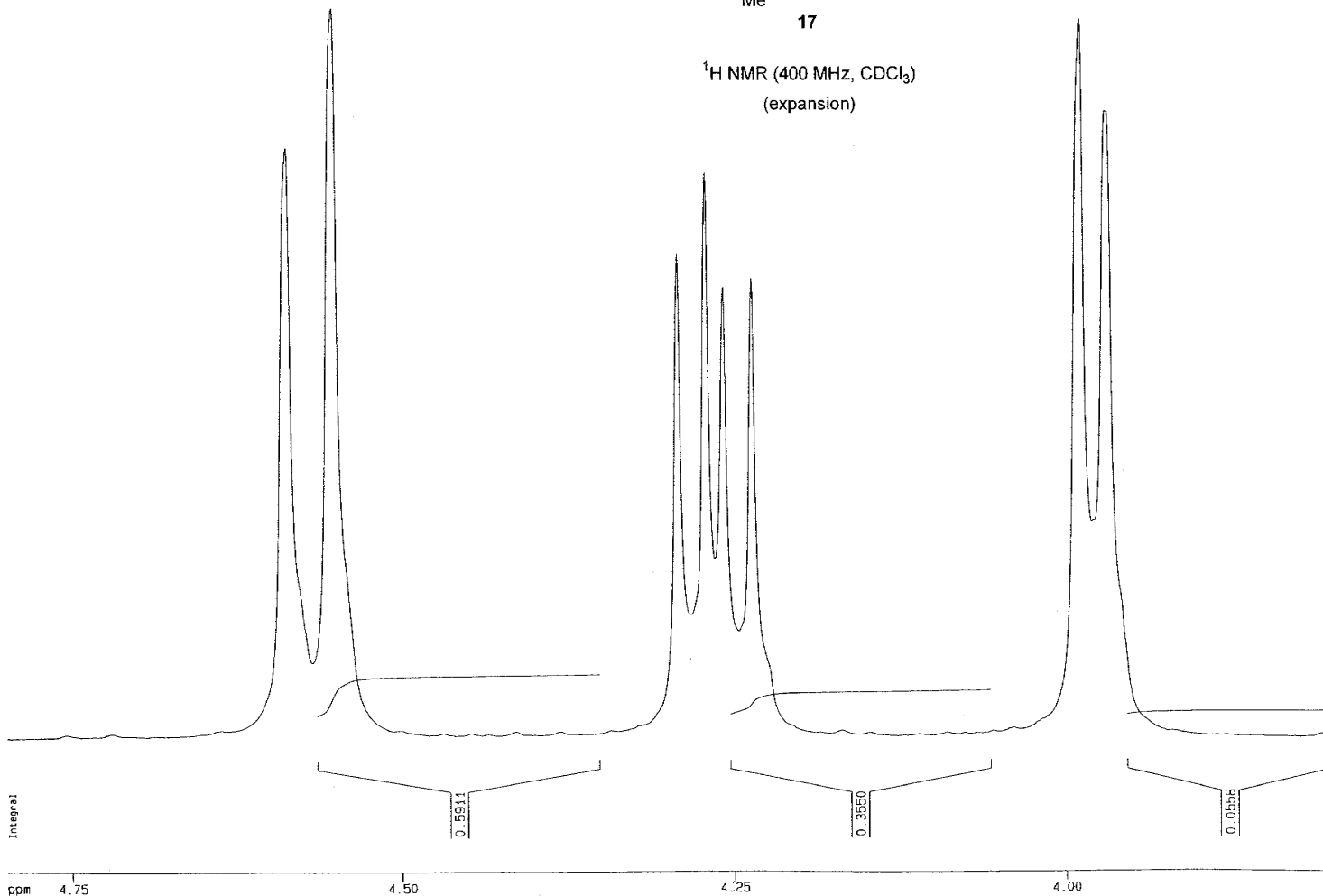
Current Data Parameters
NAME Nov07-2002
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20021107
Time 17.56
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 64
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

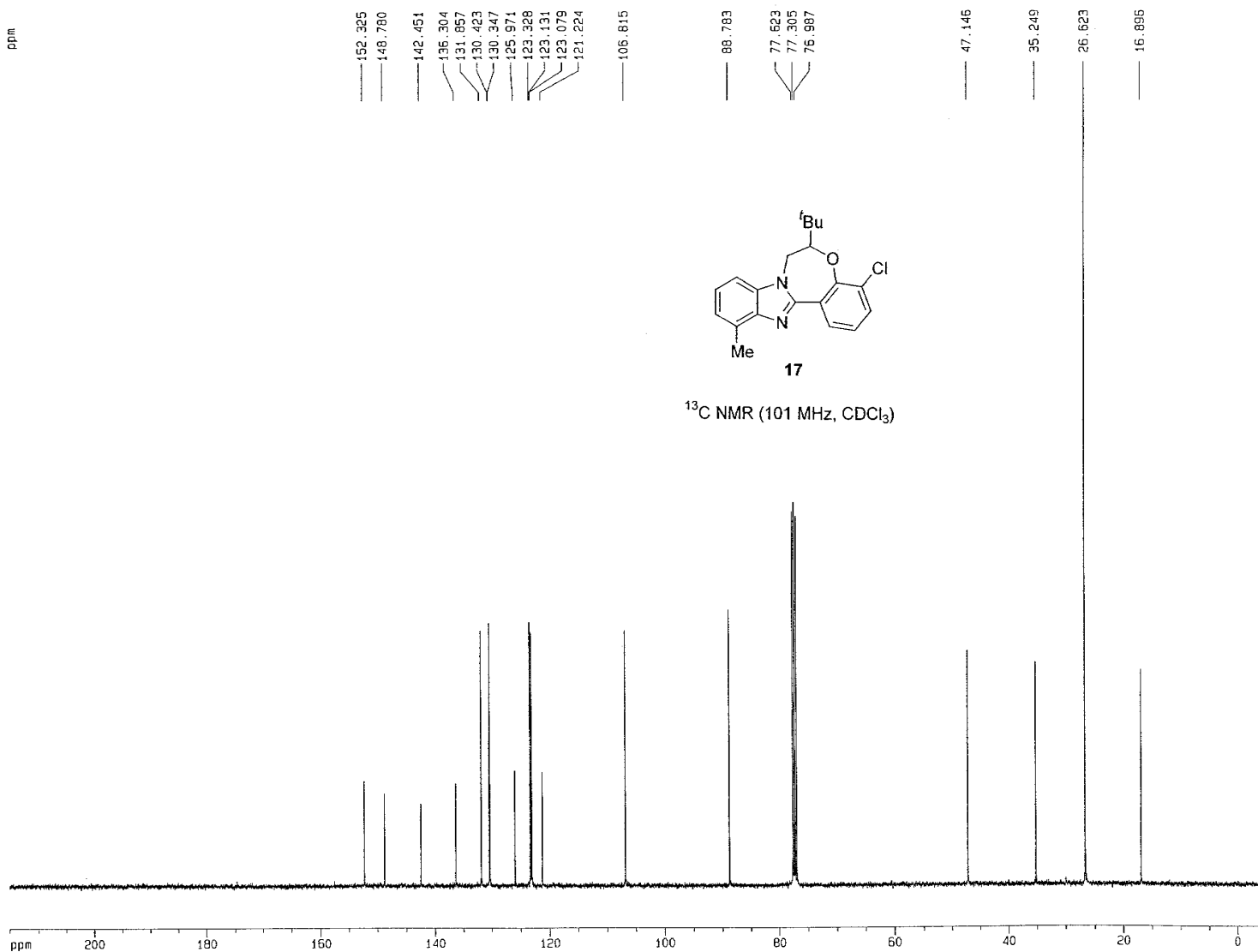
===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -6.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300167 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
F1P 4.800 ppm
F1 1920.62 Hz
F2P 3.800 ppm
F2 1520.49 Hz
PPMCM 0.03333 ppm/cm
HZCM 13.33767 Hz/cm



ppm



Current Data Parameters

NAME Nov07-2002
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters

Date_ 20021107
Time 18.52
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 850
DS 4
SWH 25125.629 Hz
FIDRES 0.383387 Hz
AQ 1.3042164 sec
RG 5160.6
DM 19.900 usec
DE 6.00 usec
TE 300.0 K
D1 2.0000000 sec
d11 0.0300000 sec
d12 0.0000200 sec

===== CHANNEL f1 =====

NUC1 13C
P1 5.90 usec
PL1 -6.00 dB
SF01 100.6237959 MHz

===== CHANNEL f2 =====

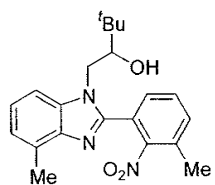
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -6.00 dB
PL12 15.80 dB
PL13 15.80 dB
SFO2 400.1316005 MHz

F2 - Processing parameters

SI 32768
SF 100.6127457 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters

CX 30.00 cm
F1P 215.000 ppm
F1 21631.74 Hz
F2P -5.000 ppm
F2 -503.06 Hz
PPMCM 7.33333 ppm/cm
HZCM 737.82678 Hz/cm



18

¹H NMR (400 MHz, d₆-DMSO)

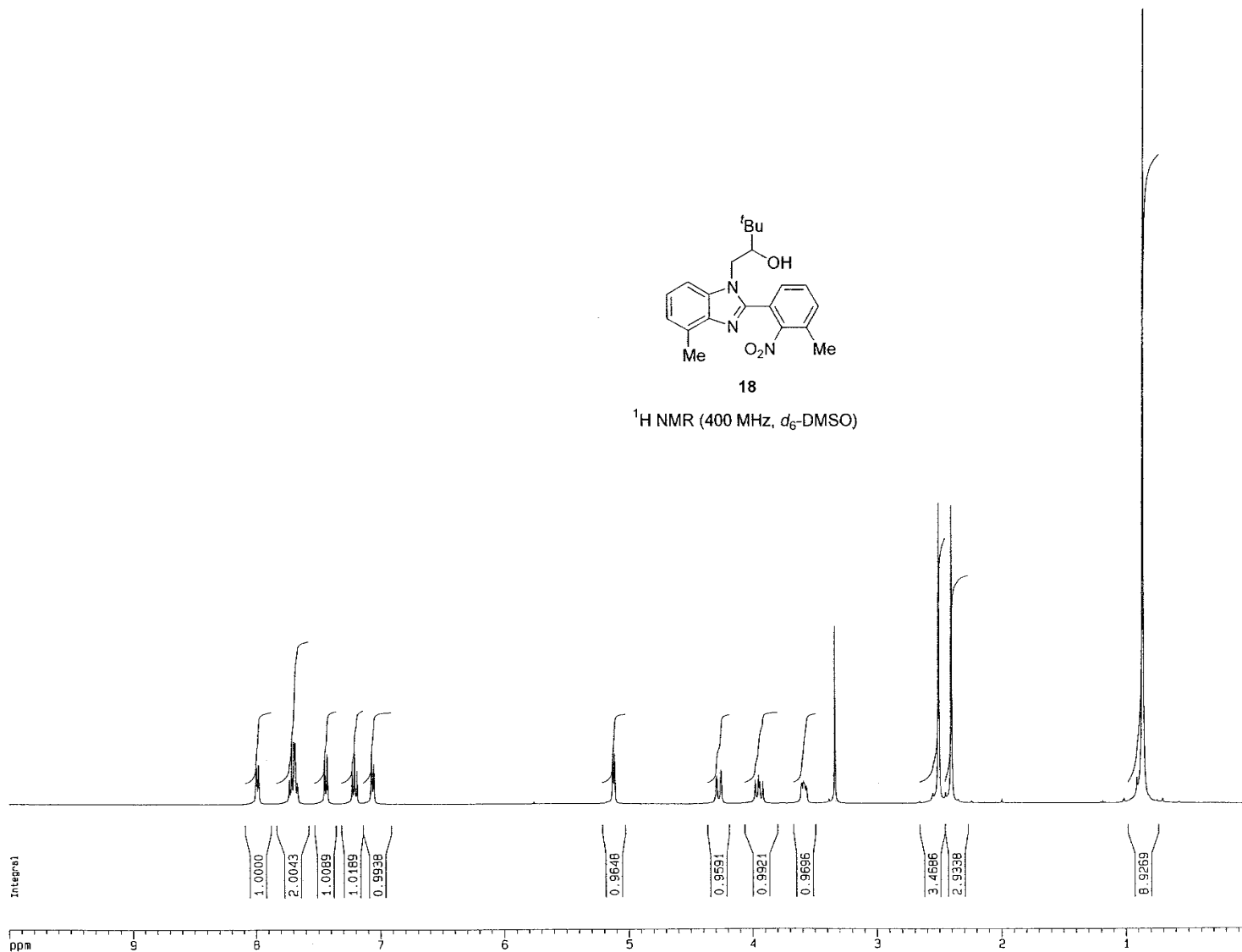
Current Data Parameters
NAME Jul01-2003
EXPNO 30
PROCNO 1

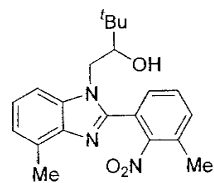
F2 - Acquisition Parameters
Date_ 20030701
Time 18.52
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 90.5
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -6.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
F1P 10.000 ppm
F1 4001.30 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCM 0.33333 ppm/cm
HZCM 133.37666 Hz/cm





18

^1H NMR (400 MHz, d_6 -DMSO)
(expansion)

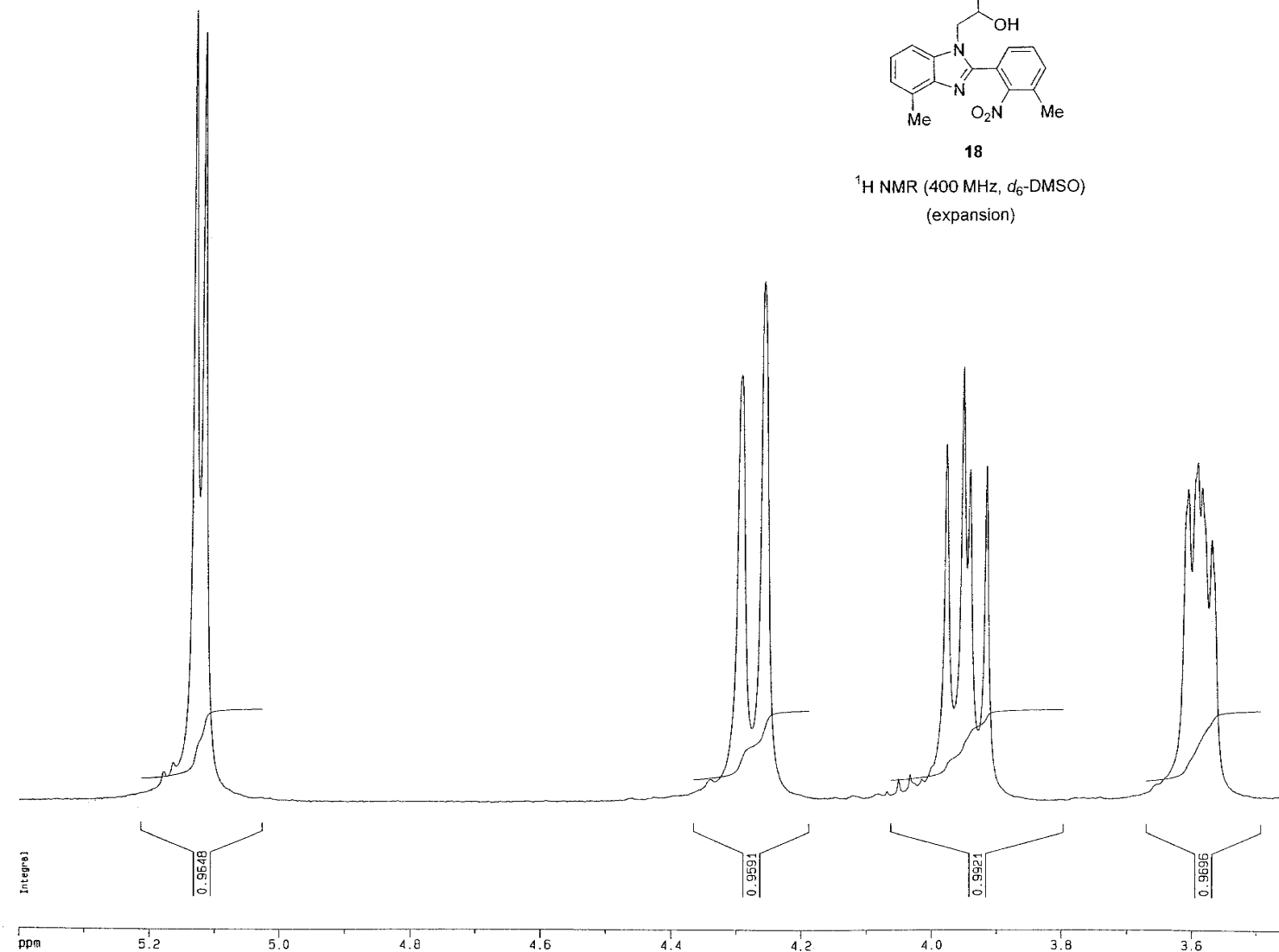
Current Data Parameters
NAME Jul01-2003
EXPNO 30
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030701
Time 18.52
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 90.5
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 ^1H
P1 7.50 usec
PL1 -6.00 dB
SF01 400.1324710 MHz

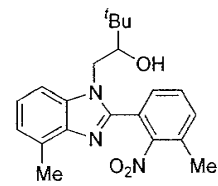
F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
F1P 5.400 ppm
F1 2160.70 Hz
F2P 3.450 ppm
F2 1380.45 Hz
PPMCM 0.06500 ppm/cm
HZCM 26.00845 Hz/cm



Current Data Parameters
 NAME Jul01-2003
 EXPNO 30
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20030701
 Time 18.52
 INSTRUM spect
 PROBHD 5 mm BBO BB-
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.252629 Hz
 AQ 1.9792372 sec
 RG 90.5
 DW 60.400 usec
 DE 5.00 usec
 TE 300.0 K
 D1 1.00000000 sec



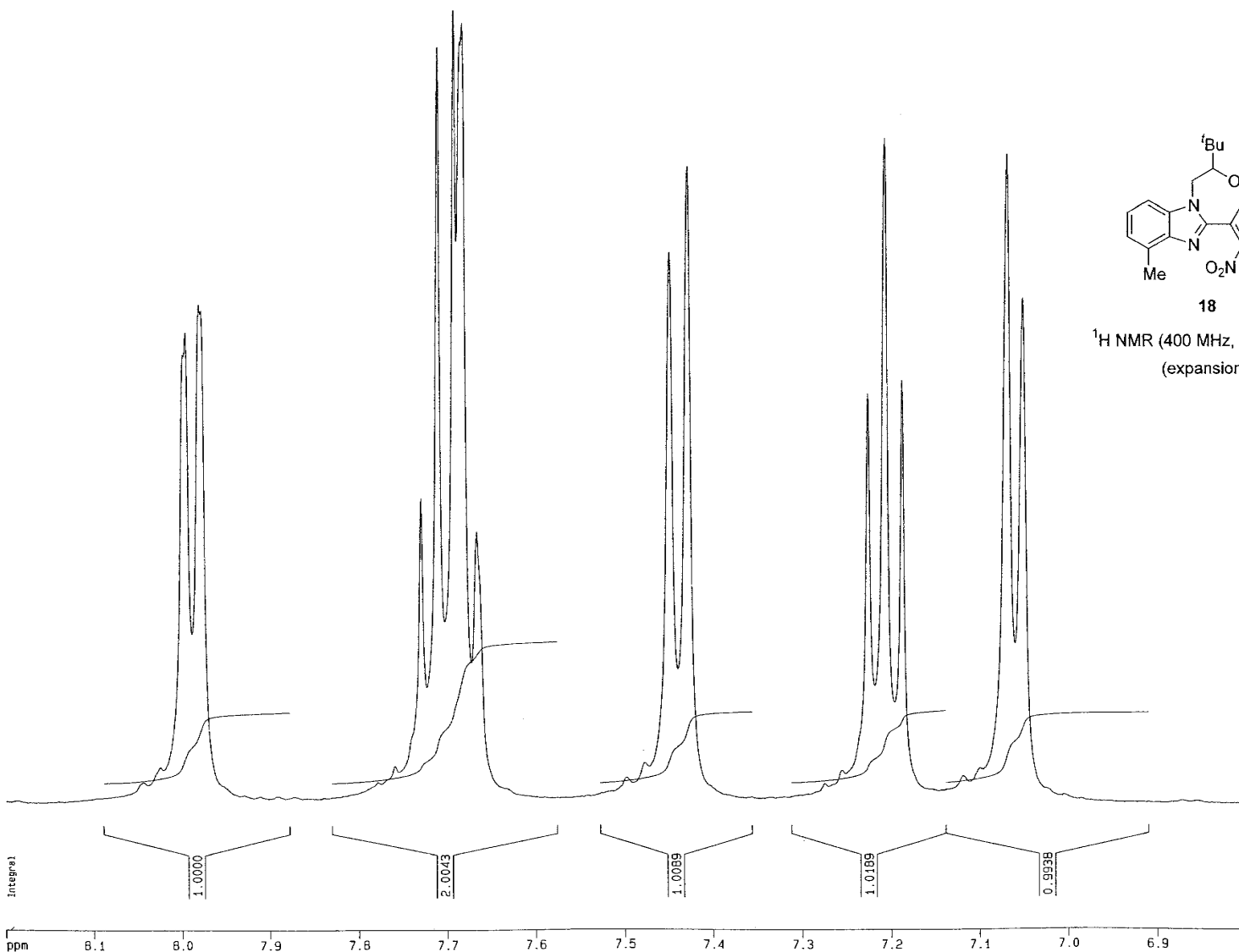
18

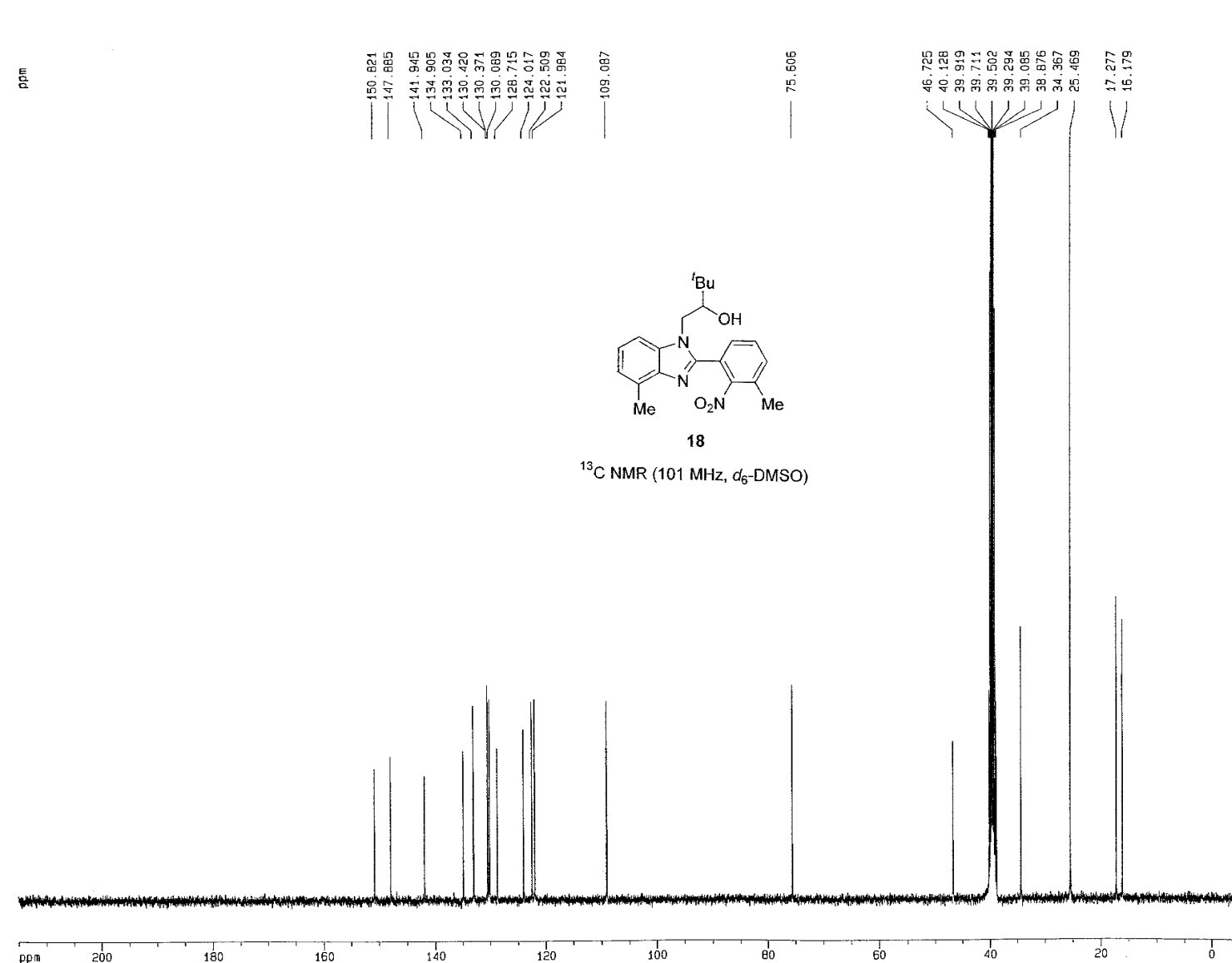
¹H NMR (400 MHz, d₆-DMSO)
 (expansion)

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 -6.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 30.00 cm
 F1P 8.200 ppm
 F1 3281.07 Hz
 F2P 6.800 ppm
 F2 2720.88 Hz
 PPMCM 0.04657 ppm/cm
 HZCM 18.67273 Hz/cm





Current Data Parameters

NAME Jul01-2003
EXPNO 31
PROCNO 1

F2 - Acquisition Parameters

Date_ 20030701
Time 19.45
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 850
DS 4
SWH 25125.629 Hz
FIDRES 0.38387 Hz
AQ 1.3042164 sec
RG 3251
DW 19.900 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
d12 0.00002000 sec

===== CHANNEL f1 =====

NUC1 13C
P1 5.90 usec
PL1 -6.00 dB
SFO1 100.6237959 MHz

===== CHANNEL f2 =====

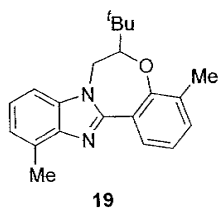
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -6.00 dB
PL12 15.80 dB
PL13 15.80 dB
SFO2 400.1316005 MHz

F2 - Processing parameters

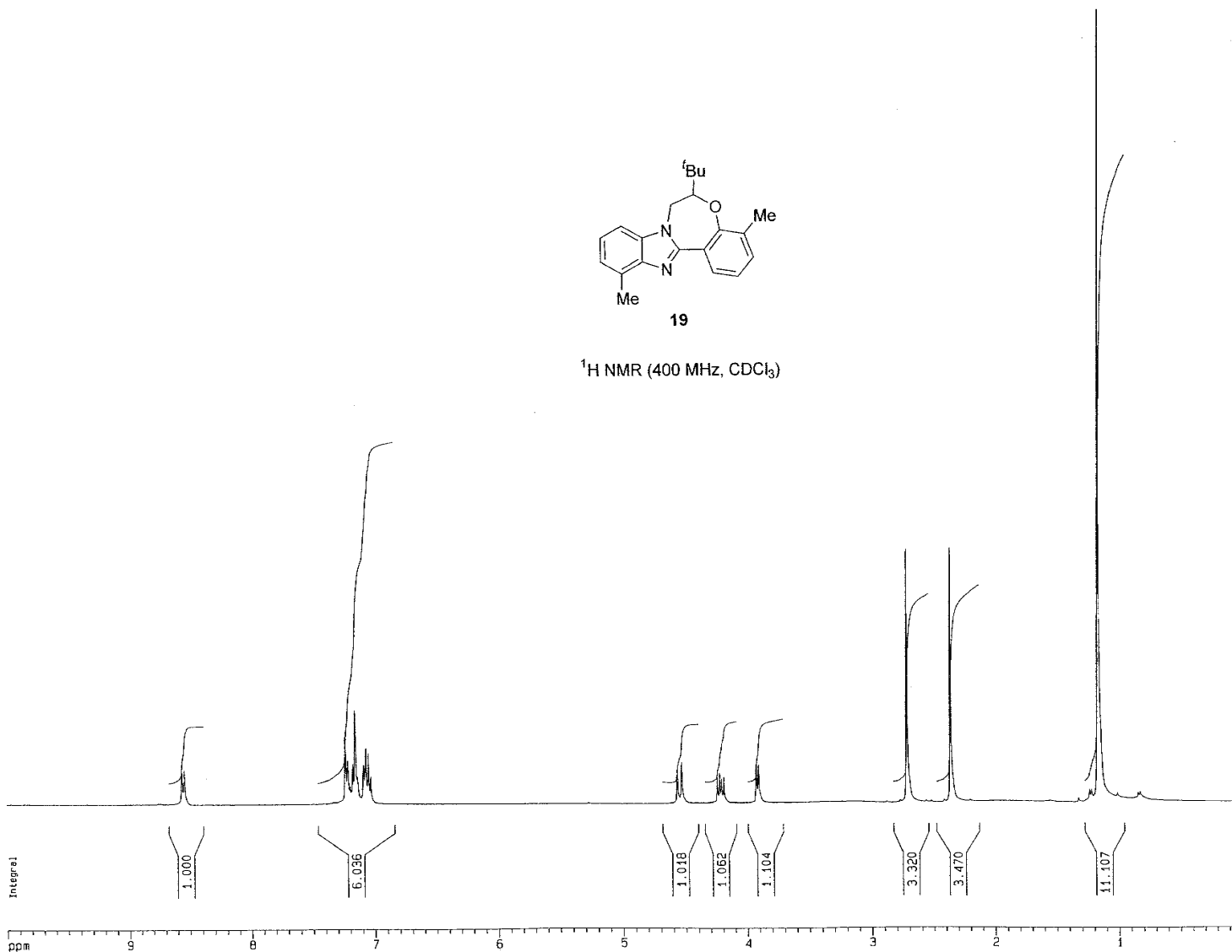
SI 32768
SF 100.6128189 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters

CX 30.00 cm
F1P 215.000 ppm
F1 21631.76 Hz
F2P -5.000 ppm
F2 -503.06 Hz
PPMCM 7.33333 ppm/cm
HZCM 737.82733 Hz/cm



¹H NMR (400 MHz, CDCl₃)



Current Data Parameters

NAME May15-2003
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters

Date_ 20030515
Time 18.00
INSTRUM spect
PROBHD 5 mm 880 BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 181
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.0000000 sec

===== CHANNEL f1 =====

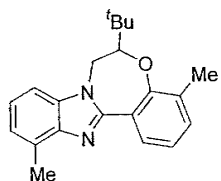
NUC1 1H
P1 7.50 usec
PL1 -6.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters

SI 32768
SF 400.1300169 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 30.00 cm
F1P 10.000 ppm
F1 4001.30 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCM 0.33333 ppm/cm
HZCM 133.37666 Hz/cm



19

^1H NMR (400 MHz, CDCl_3)
(expansion)

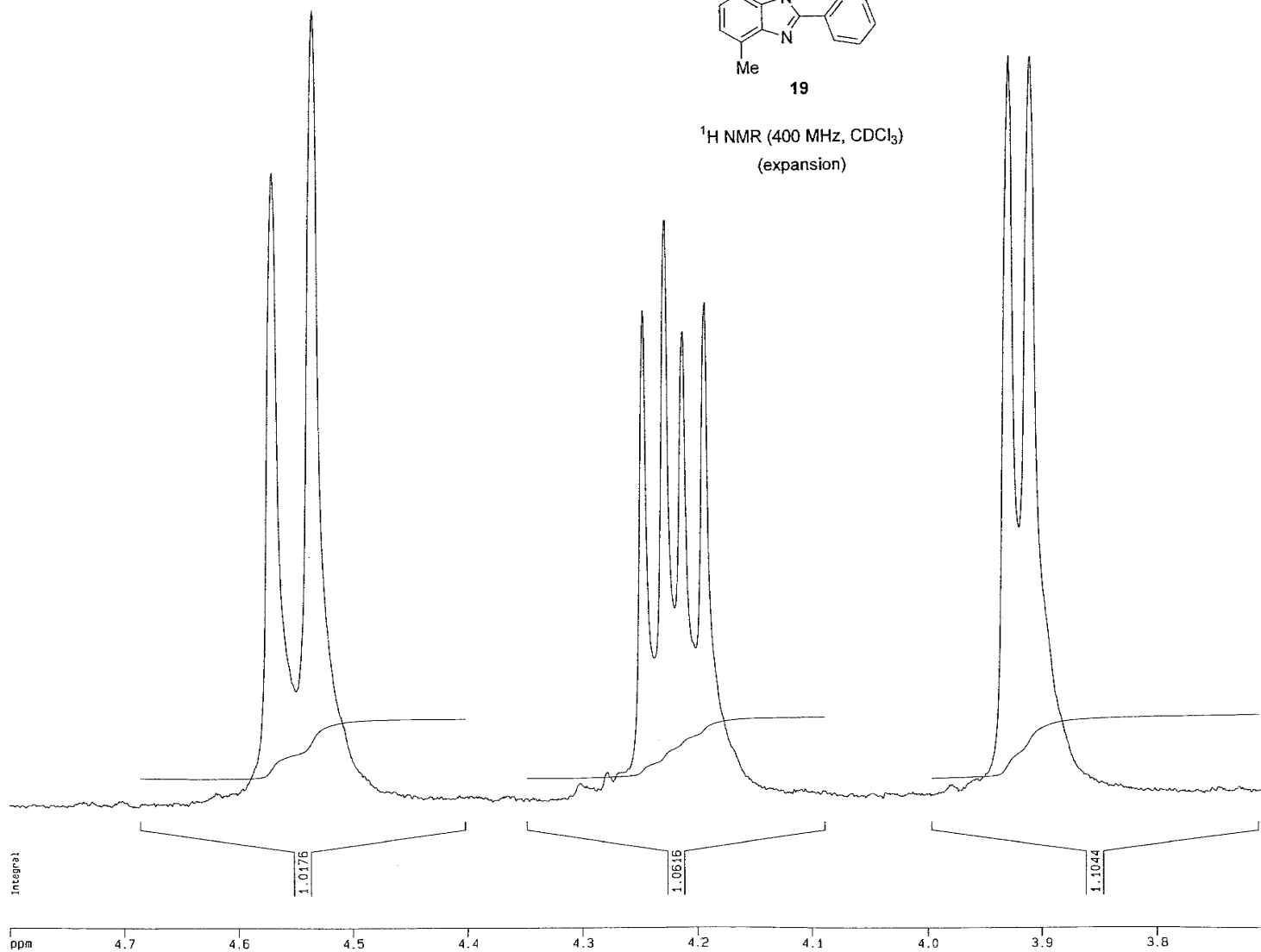
Current Data Parameters
NAME May15-2003
EXPNO 10
PROCNO 1

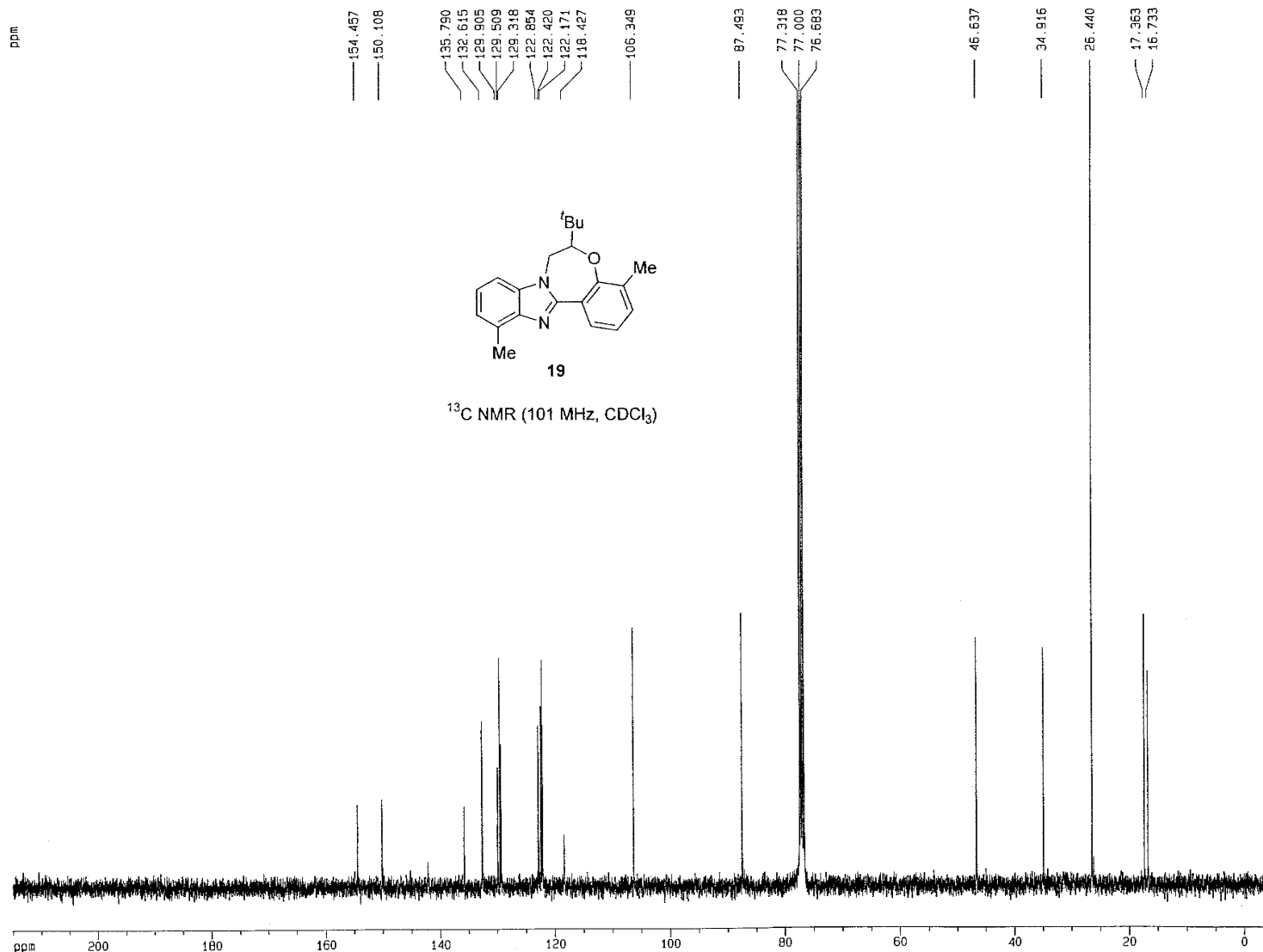
F2 - Acquisition Parameters
Date_ 20030515
Time 18.00
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl_3
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 181
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 ^1H
P1 7.50 usec
PL1 -6.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300169 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
F1P 4.800 ppm
F1 1920.62 Hz
F2P 3.700 ppm
F2 1480.48 Hz
PPMCM 0.03667 ppm/cm
HZCM 14.67144 Hz/cm





Current Data Parameters
 NAME May15-2003
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20030515
 Time 19.45
 INSTRUM spect
 PROBHD 5 mm BBO BB-
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl_3
 NS 1800
 DS 4
 SWH 25125.629 Hz
 FIDRES 0.383387 Hz
 AQ 1.3042164 sec
 RG 8192
 DW 19.900 usec
 DE 6.00 usec
 TE 300.0 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 d12 0.00002000 sec

===== CHANNEL f1 =====
 NUC1 ^{13}C
 P1 5.90 usec
 PL1 -6.00 dB
 SF01 100.6237959 MHz

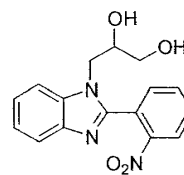
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 ^1H
 PCPD2 80.00 usec
 PL2 -6.00 dB
 PL12 15.80 dB
 PL13 15.80 dB
 SF02 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127702 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

1D NMR plot parameters
 CX 30.00 cm
 F1P 215.000 ppm
 F1 21631.75 Hz
 F2P -5.000 ppm
 F2 -503.06 Hz
 PPMCM 7.33333 ppm/cm
 HZCM 737.82697 Hz/cm

Current Data Parameters
 NAME Mar01-2003
 EXPNO 50
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20030301
 Time 18.40
 INSTRUM spect
 PROBHD 5 mm BBO BB-1
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.252629 Hz
 AQ 1.9792372 sec
 RG 71.8
 DW 60.400 usec
 DE 6.00 usec
 TE 300.0 K
 D1 1.00000000 sec



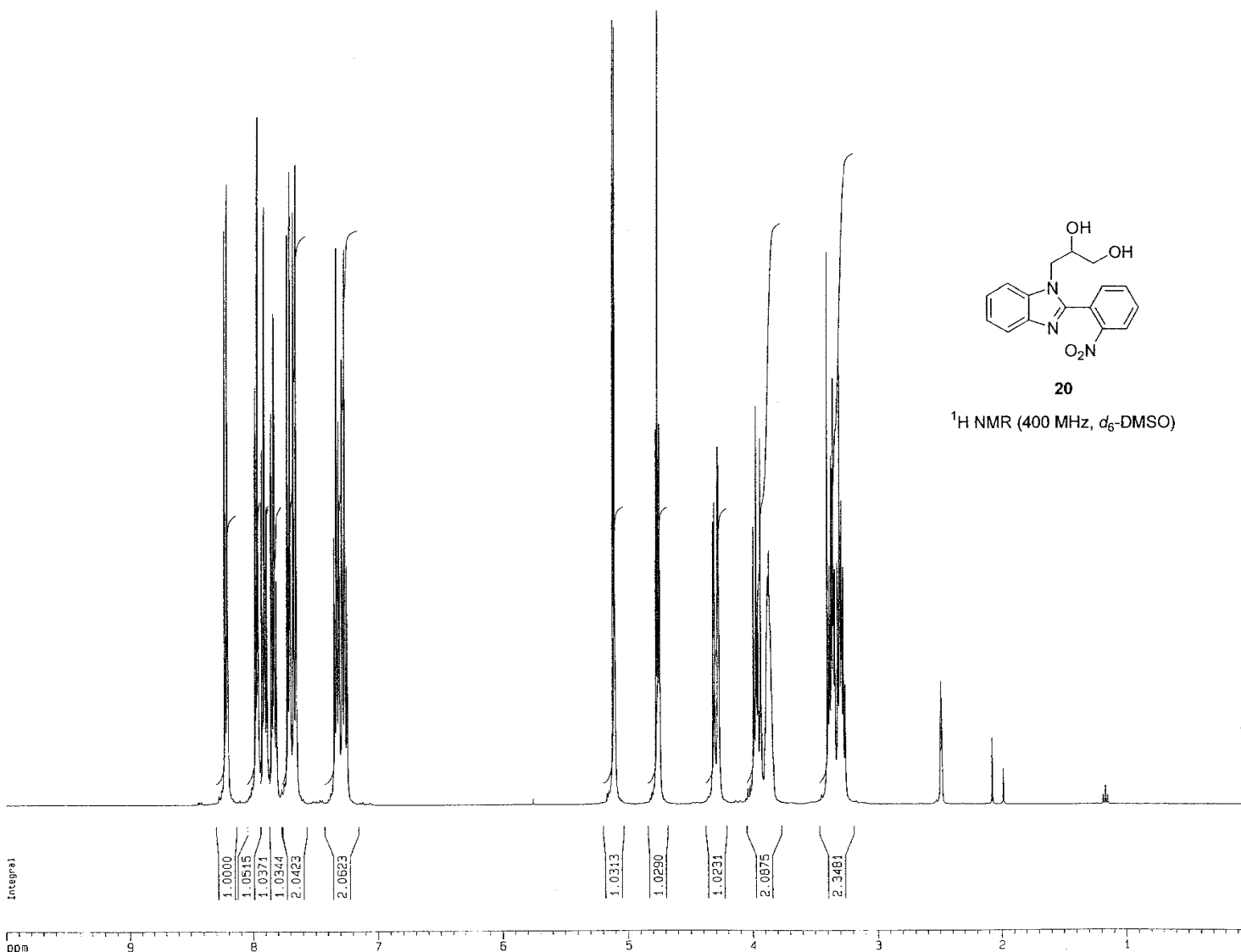
20

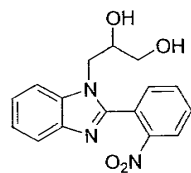
¹H NMR (400 MHz, d₆-DMSO)

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 -6.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300059 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

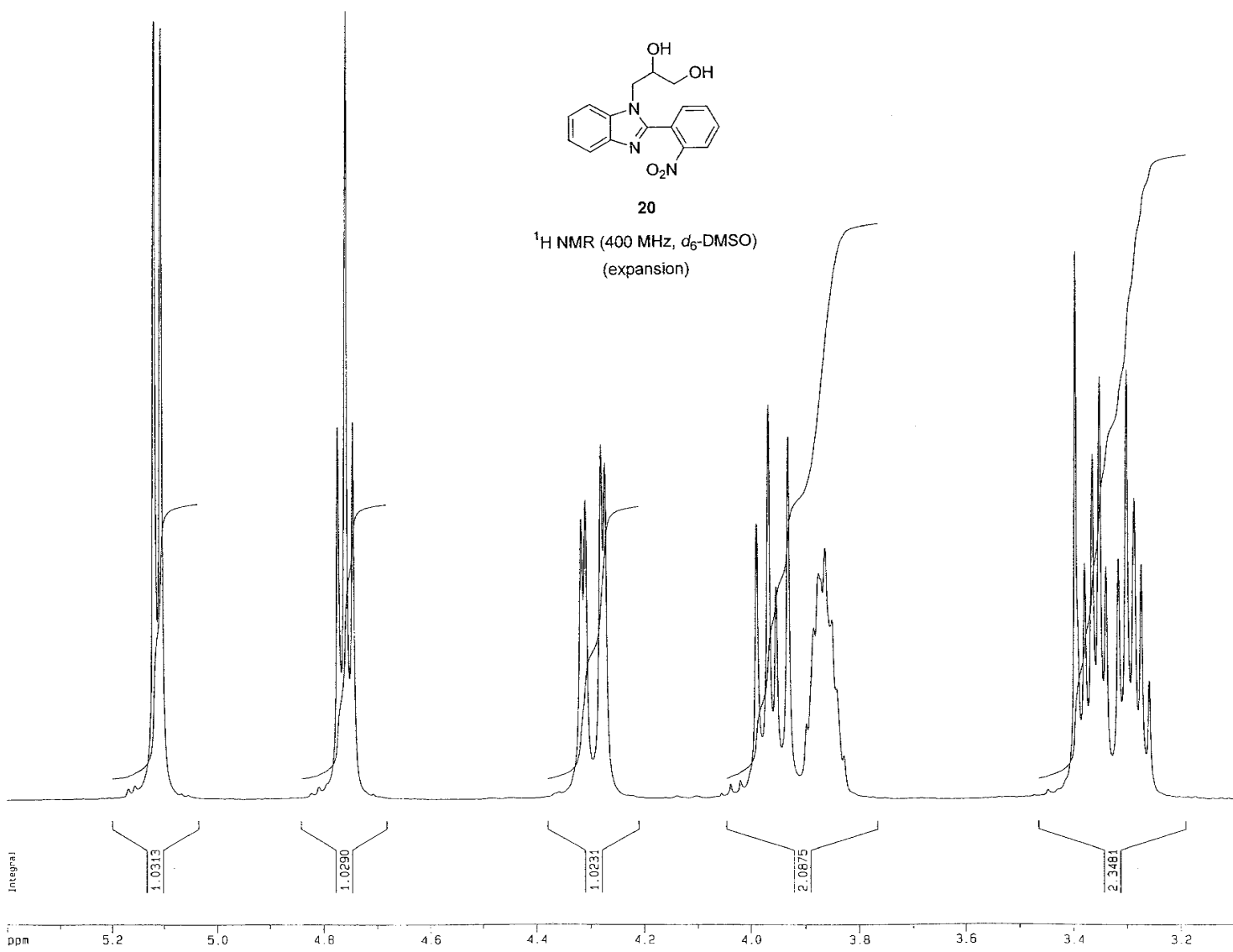
1D NMR plot parameters
 CX 30.00 cm
 F1P 10.000 ppm
 F1 4001.30 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPMCN 0.33333 ppm/cm
 HZCM 133.37666 Hz/cm





20

¹H NMR (400 MHz, d₆-DMSO)
(expansion)



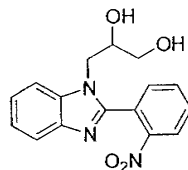
Current Data Parameters
NAME Mar01-2003
EXPNO 50
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030301
Time 18.40
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zg30
TO 32768
SOLVENT DMSO
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 71.8
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -6.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300058 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
F1P 5.400 ppm
F1 2160.70 Hz
F2P 3.100 ppm
F2 1240.40 Hz
PPMCM 0.07567 ppm/cm
HZCM 30.67564 Hz/cm



20

¹H NMR (400 MHz, d₆-DMSO)
(expansion)

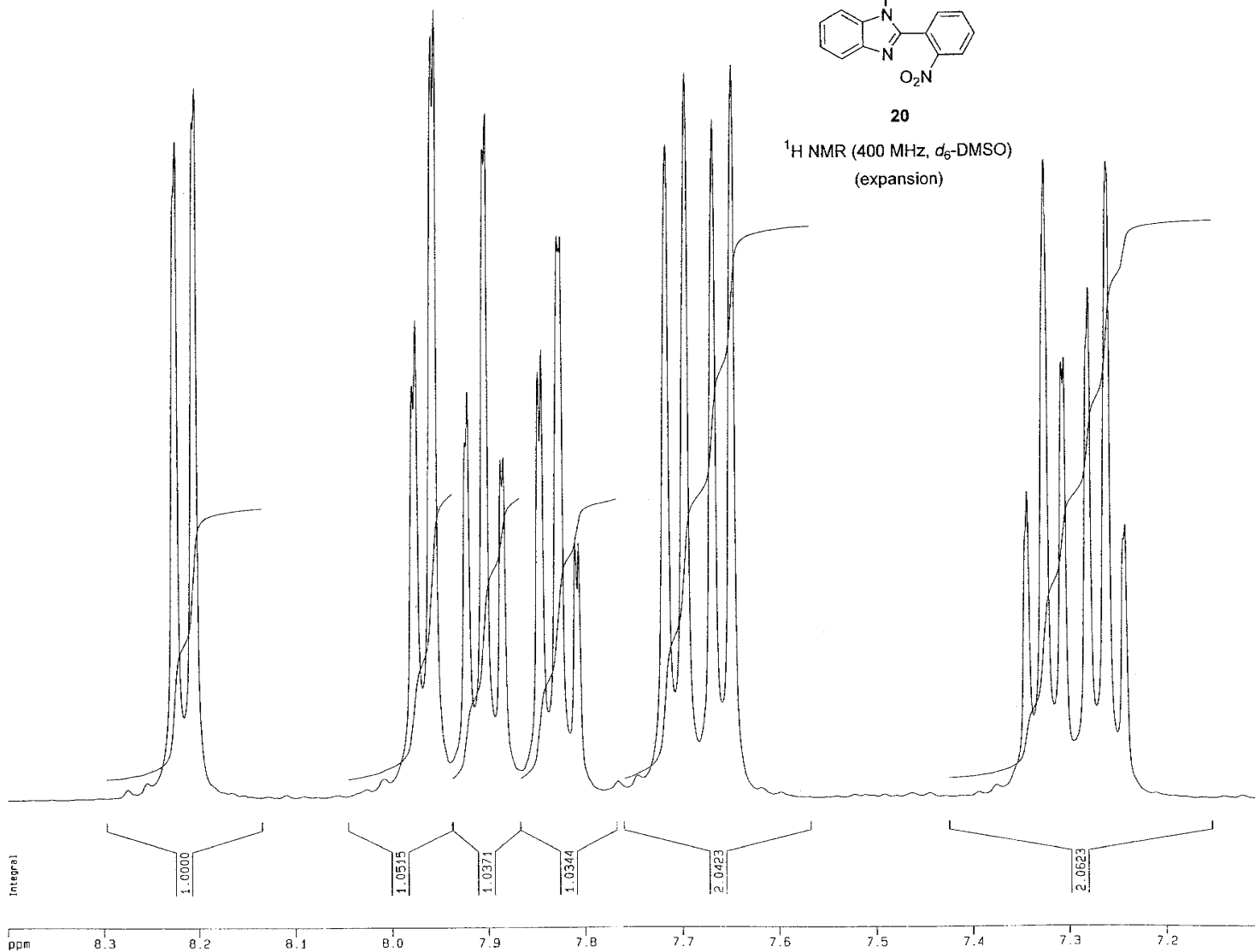
Current Data Parameters
NAME Mar01-2003
EXPNO 50
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030301
Time 18.40
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 71.8
DH 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -6.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300058 MHz
WOW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

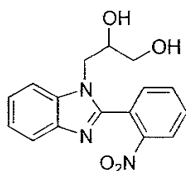
1D NMR plot parameters
CX 30.00 cm
F1P 8.400 ppm
F1 3361.09 Hz
F2P 7.100 ppm
F2 2840.92 Hz
PPMCM 0.04333 ppm/cm
HZCM 17.33896 Hz/cm



149.483
149.079
142.587
135.359
133.348
133.041
131.234
125.369
124.545
122.537
121.883
119.145
111.452

70.026
63.473

47.782
40.506
40.171
39.888
39.504
39.170
38.836
38.503



20

¹³C NMR (63 MHz, d₆-DMSO)

Current Data Parameters
NAME Mar01-2003
EXPNO 81
PROCNO 1

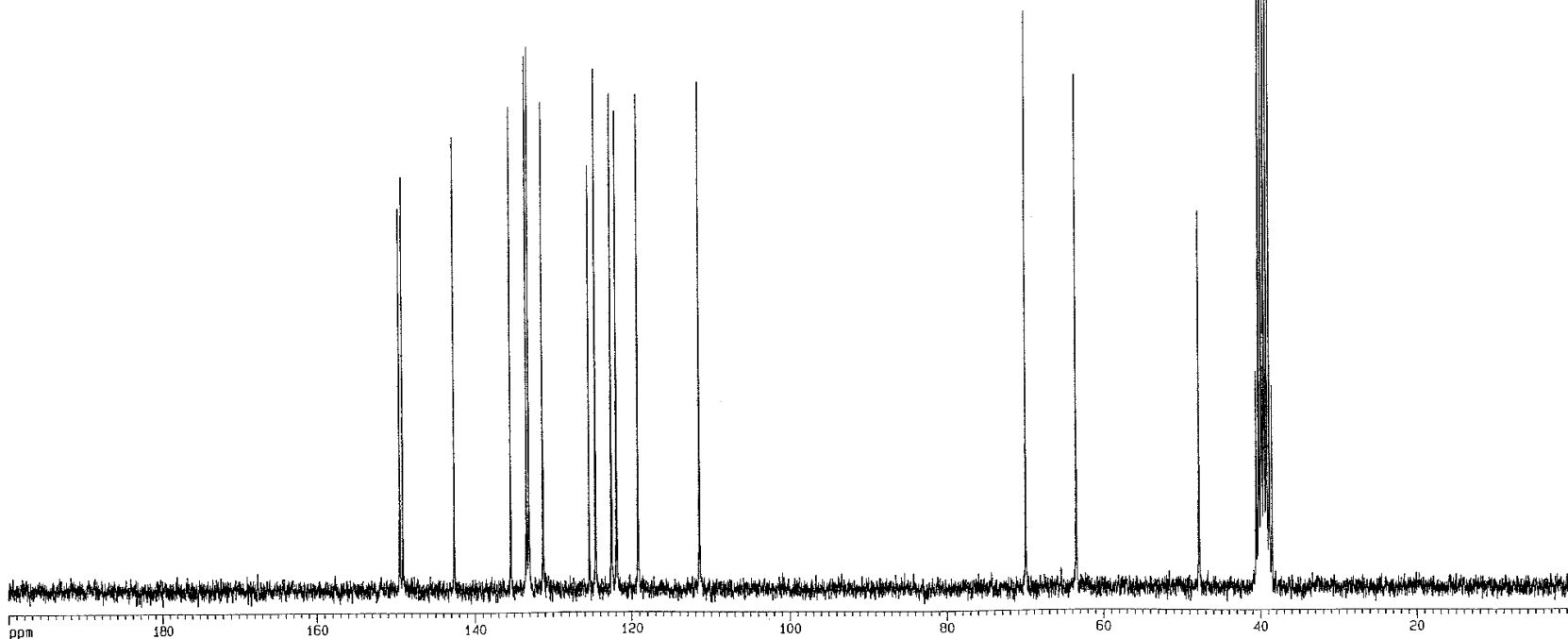
F2 - Acquisition Parameters
Date_ 20030301
Time 16.37
INSTRUM spect
PROBHD 5 mm GNP 1H/
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 600
DS 4
SWH 15723.271 Hz
FIDRES 0.239918 Hz
AQ 2.0840948 sec
RG 16384
DM 31.800 usec
DE 30.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
d12 0.0002000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 8.00 usec
PL1 0.00 dB
SFO1 62.9021320 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -4.00 dB
PL12 16.00 dB
PL13 17.00 dB
SFO2 250.1310005 MHz

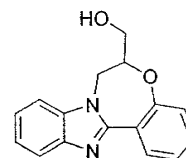
F2 - Processing parameters
SI 32768
SF 62.8952701 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 34.00 cm
F1P 200.000 ppm
F1 12579.05 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCM 5.88235 ppm/cm
HZCM 369.97220 Hz/cm



Current Data Parameters
 NAME Mar01-2003
 EXPNO 40
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20030301
 Time 18.31
 INSTRUM spect
 PROBHD 5 mm BBO BB-1
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.252629 Hz
 AQ 1.9792372 sec
 RG 181
 DW 60.400 usec
 DE 5.00 usec
 TE 300.0 K
 D1 1.00000000 sec



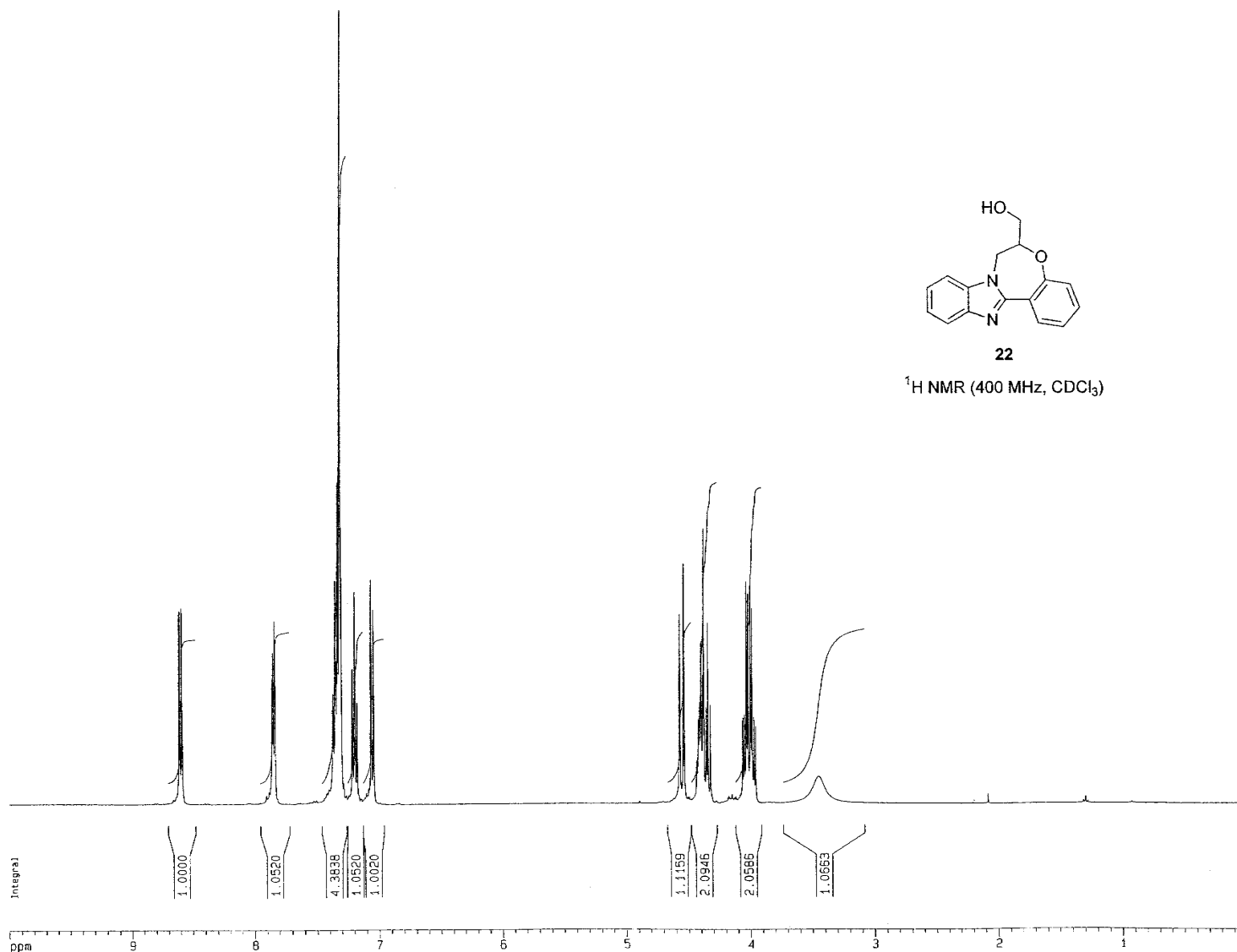
22

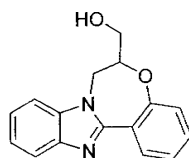
^1H NMR (400 MHz, CDCl_3)

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 -6.00 dB
 SF01 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.130000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 30.00 cm
 F1P 10.000 ppm
 F1 4001.30 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPMCM 0.33333 ppm/cm
 HZCM 133.37566 Hz/cm





22
¹H NMR (400 MHz, CDCl₃)
 (expansion)

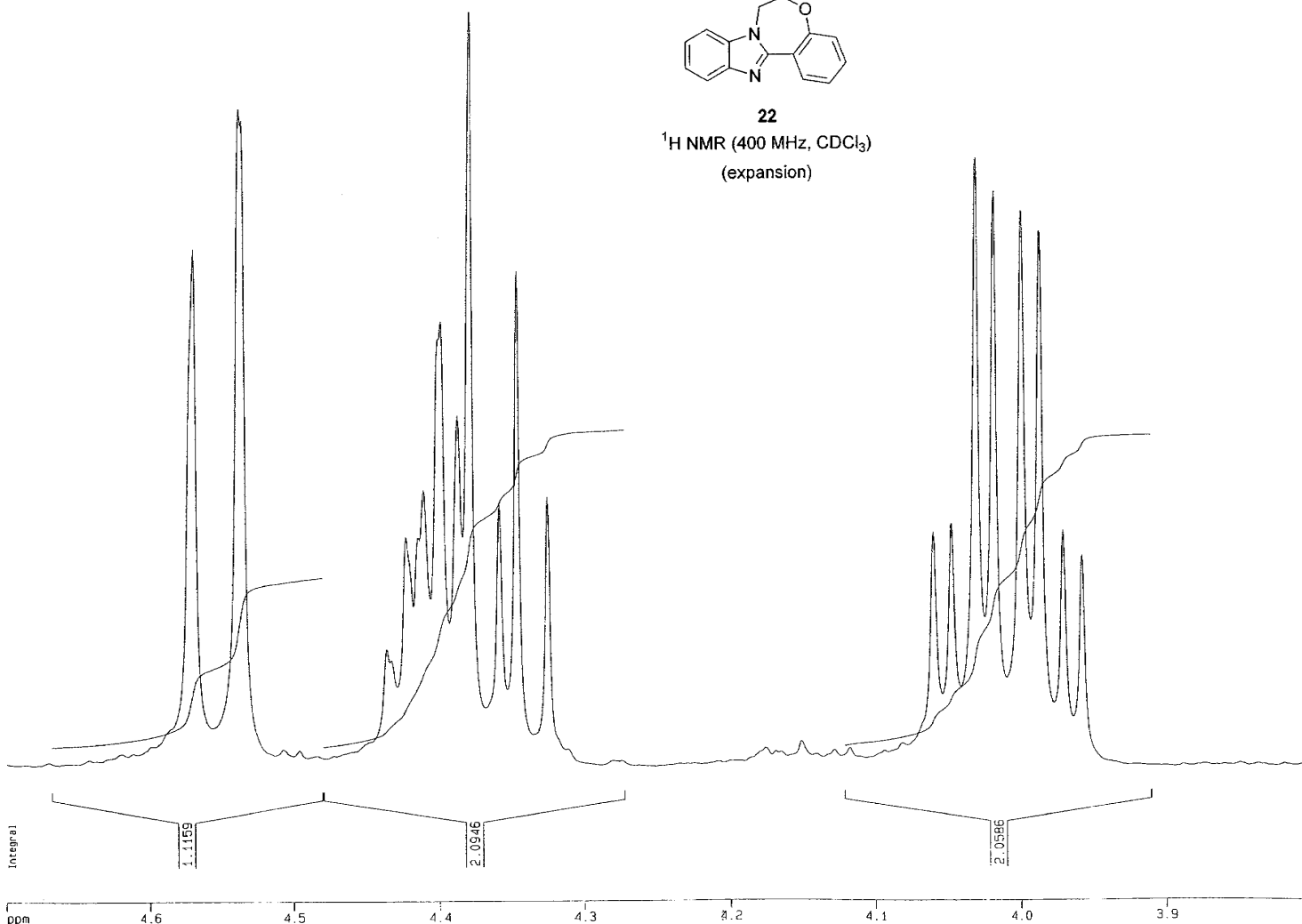
Current Data Parameters
 NAME Mar01-2003
 EXPNO 40
 PROCNO 1

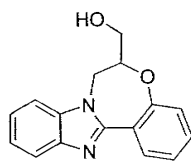
F2 - Acquisition Parameters
 Date_ 20030301
 Time 18.31
 INSTRUM spect
 PROBHD 5 mm BBO BB-1
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8278.145 Hz
 FIDRES 0.252629 Hz
 AQ 1.9792372 sec
 RG 181
 DW 60.400 usec
 DE 6.00 usec
 TE 300.0 K
 D1 1.0000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 -6.00 dB
 SF01 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 30.00 cm
 F1P 4.700 ppm
 F1 1880.51 Hz
 F2P 3.800 ppm
 F2 1520.49 Hz
 PPMCM 0.03000 ppm/cm
 HZCM 12.00390 Hz/cm





22
¹H NMR (400 MHz, CDCl₃)
 (expansion)

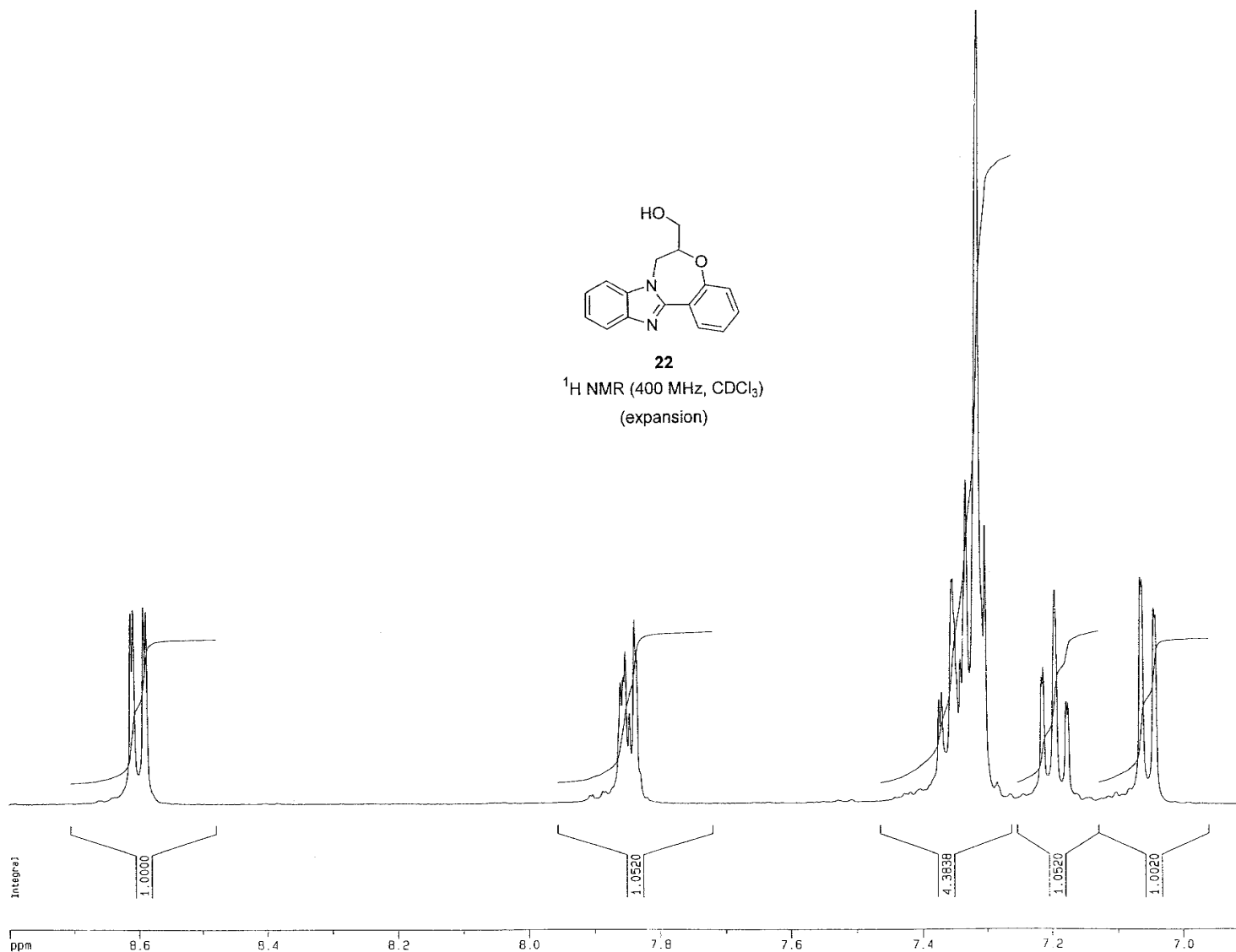
Current Data Parameters
 NAME Mar01-2003
 EXPNO 40
 PROCNO 1

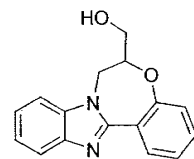
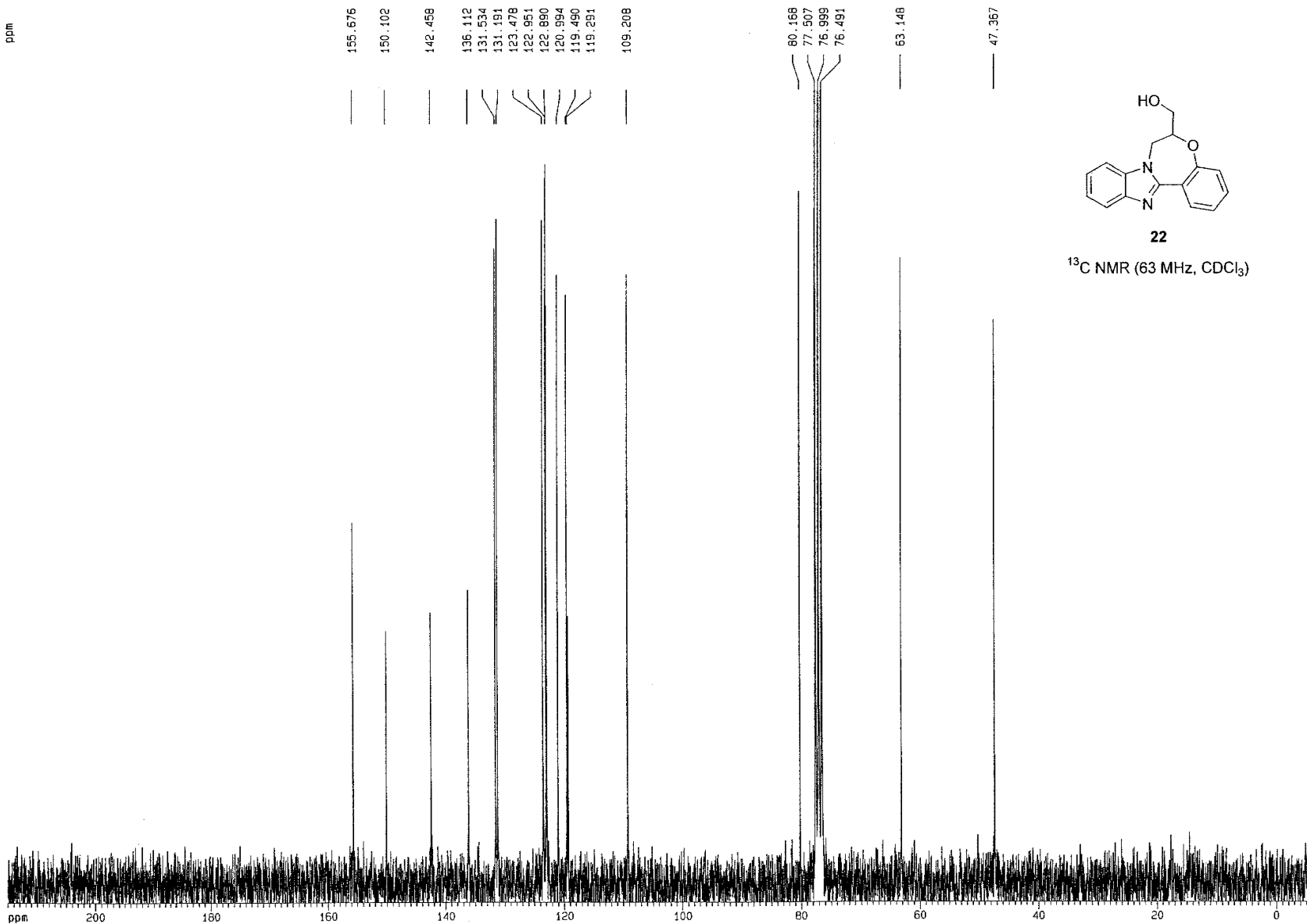
F2 - Acquisition Parameters
 Date_ 20030301
 Time 18.31
 INSTRUM spect
 PROBHD 5 mm BBO BB-1
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.252629 Hz
 AQ 1.9792372 sec
 RG 181
 DW 60.400 usec
 DE 6.00 usec
 TE 300.0 K
 D1 1.0000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 -6.00 dB
 SF01 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300000 MHz
 NDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 30.00 cm
 F1P 8.800 ppm
 F1 3521.14 Hz
 F2P 6.900 ppm
 F2 2760.90 Hz
 PPMCM 0.06333 ppm/cm
 HZCM 25.34157 Hz/cm





22

^{13}C NMR (63 MHz, CDCl_3)

Current Data Parameters
NAME Mar01-2003
EXPNO 30
PROCNO 1

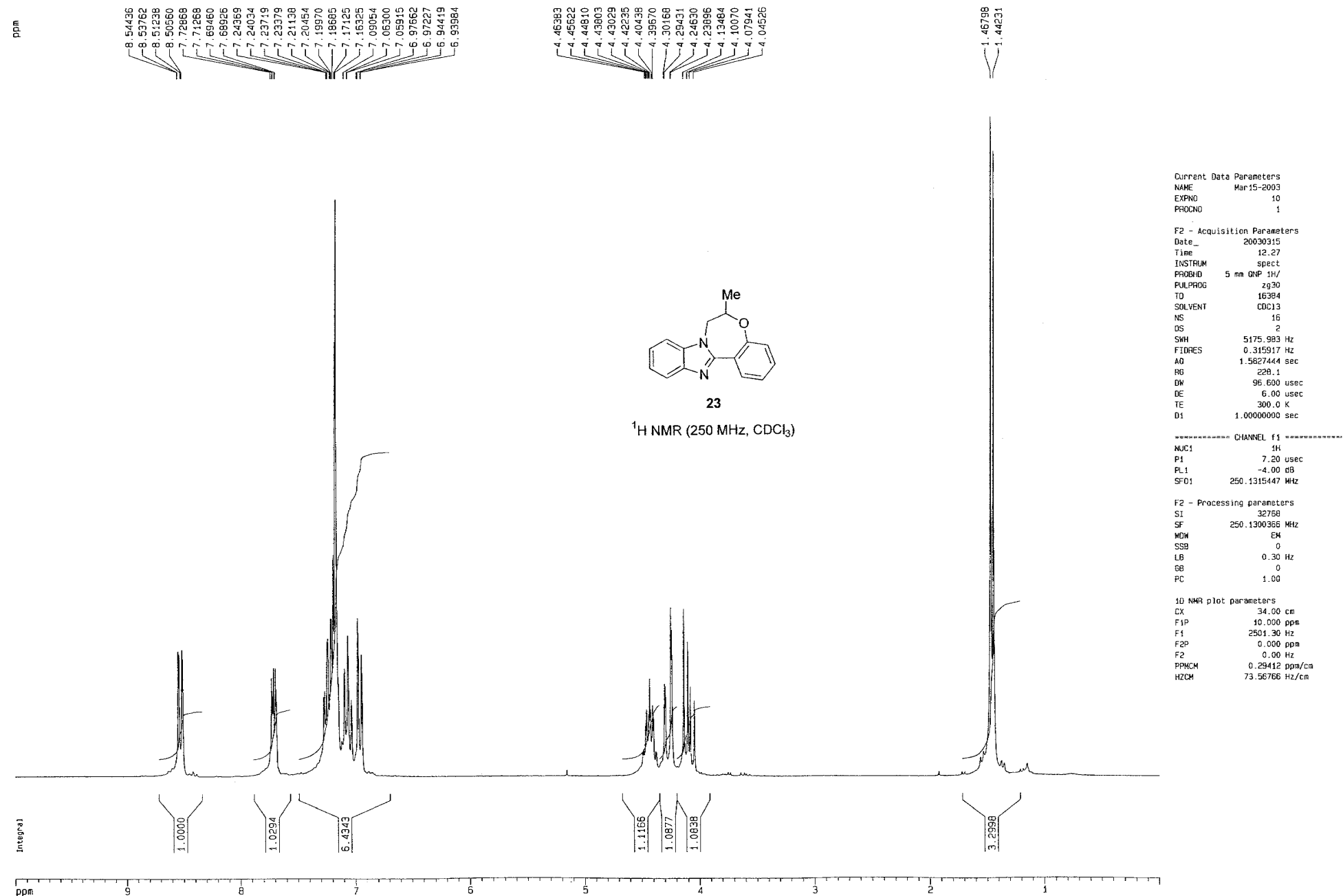
F2 - Acquisition Parameters
Date_ 20030301
Time 13.58
INSTRUM spect
PROBHD 5 mm QNP 1H/
PULPROG zgpg30
TD 65536
SOLVENT CDCl_3
NS 700
DS 4
SWH 15723.274 Hz
FIDRES 0.239918 Hz
AQ 2.0840948 sec
RG 14596.5
DM 31.800 usec
DE 30.00 usec
TE 300.0 K
D1 2.0000000 sec
d11 0.0300000 sec
d12 0.0002000 sec

===== CHANNEL f1 =====
NUC1 ^{13}C
P1 8.00 usec
PL1 0.00 dB
SF01 62.9021320 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 ^1H
PCPD2 80.00 usec
PL2 -4.00 dB
PL12 16.00 dB
PL13 17.00 dB
SF02 250.1310005 MHz

F2 - Processing parameters
SI 32768
SF 62.8952416 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 34.00 cm
F1P 215.000 ppm
F1 13522.48 Hz
F2P -5.000 ppm
F2 -314.48 Hz
PPMCM 6.47059 ppm/cm
HZCM 406.96921 Hz/cm



ppm

4.48961
4.48203
4.46383
4.45622
4.44810
4.43803
4.43029
4.42235
4.40438
4.39670
4.37850
4.37106

4.30168
4.29431

4.24630
4.23896

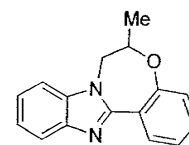
4.19316

4.13484

4.10070

4.07941

4.04526



23

^1H NMR (250 MHz, CDCl_3)
(expansion)

Current Data Parameters
NAME Mar15-2003
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030315
Time 12.27
INSTRUM spect
PROBHD 5 mm QNP 1H/
PULPROG zg30
TO 16394
SOLVENT CDCl_3
NS 16
DS 2
SWH 5175.983 Hz
FIDRES 0.315917 Hz
AQ 1.5827444 sec
RG 228.1
DW 96.600 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 ^1H
P1 7.20 usec
PL1 -4.00 dB
SFO1 250.1315447 MHz

F2 - Processing parameters
SI 32768
SF 250.1300366 MHz
WDM EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 34.00 cm
F1P 4.800 ppm
F1 1200.62 Hz
F2P 3.800 ppm
F2 950.49 Hz
PPMCM 0.02941 ppm/cm
HZCM 7.35677 Hz/cm

Integral

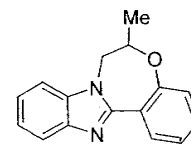
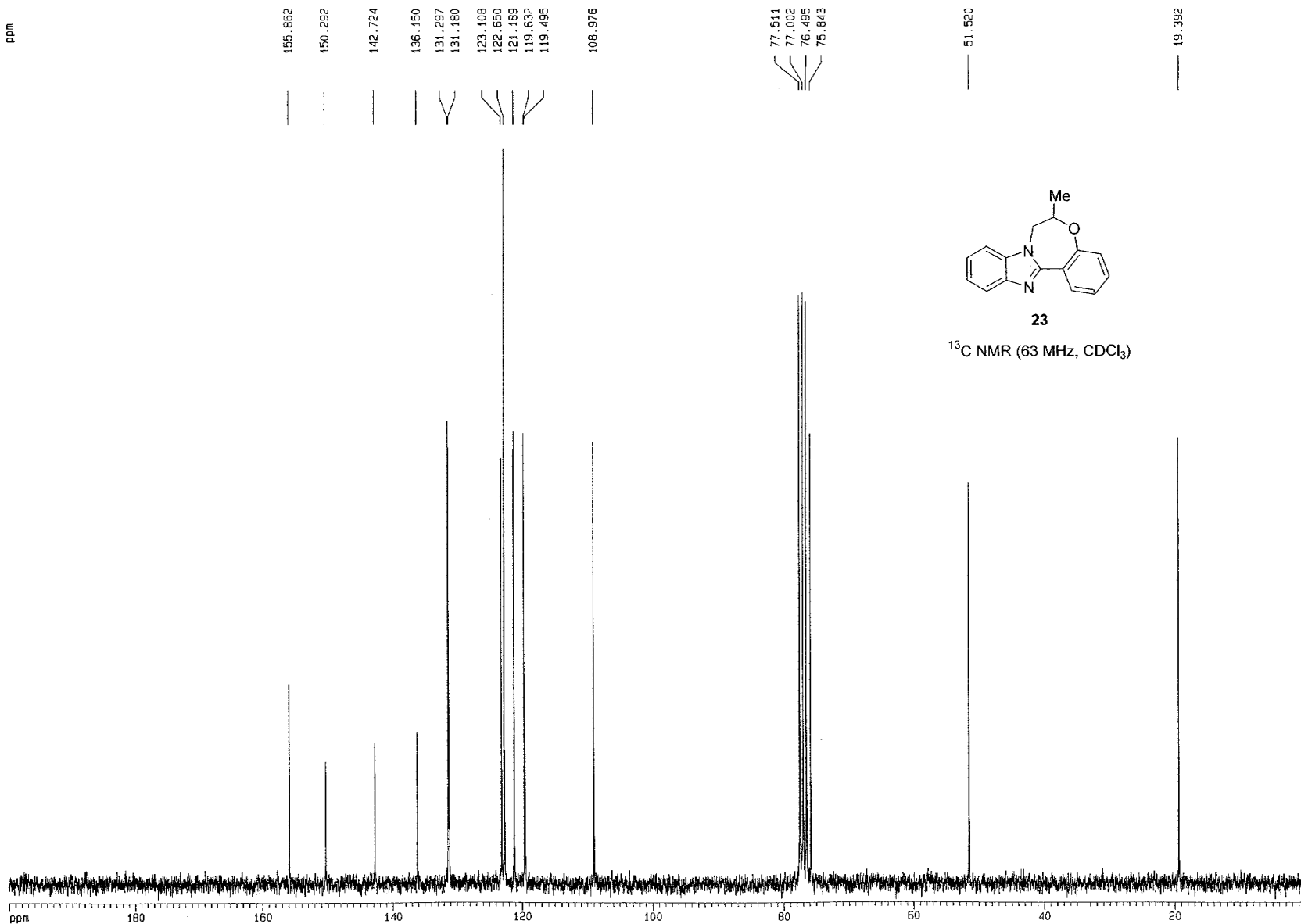
ppm

4.7 4.6 4.5 4.4 4.3 4.2 4.1 4.0 3.9

1.1166

1.0877

1.0838



Current Data Parameters
NAME Mar15-2003
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030315
Time 13.06
INSTRUM spect
PROBHD 5 mm QNP 1H/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 500
DS 4
SWH 15723.271 Hz
FIDRES 0.239918 Hz
AQ 2.0840948 sec
RG 16384
OW 31.800 usec
DE 30.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
d12 0.00002000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 8.00 usec
PL1 0.00 dB
SF01 62.9021320 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -4.00 dB
PL12 16.00 dB
PL13 17.00 dB
SF02 250.1310005 MHz

F2 - Processing parameters
SI 32768
SF 62.8952440 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 34.00 cm
F1P 200.000 ppm
F1 12579.05 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPHMC 5.88235 ppm/cm
HZCM 369.97202 Hz/cm

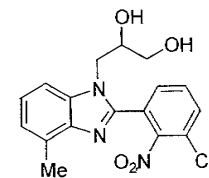
Current Data Parameters
 NAME Jul02-2003
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20030702
 Time 17.50
 INSTRUM spect
 PROBHD 5 mm BB0 BB-
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 6278.146 Hz
 FIDRES 0.252629 Hz
 AQ 1.9792372 sec
 RG 181
 DW 60.400 usec
 DE 6.00 usec
 TE 300.0 K
 D1 1.00000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 -6.00 dB
 SF01 400.1324710 MHz

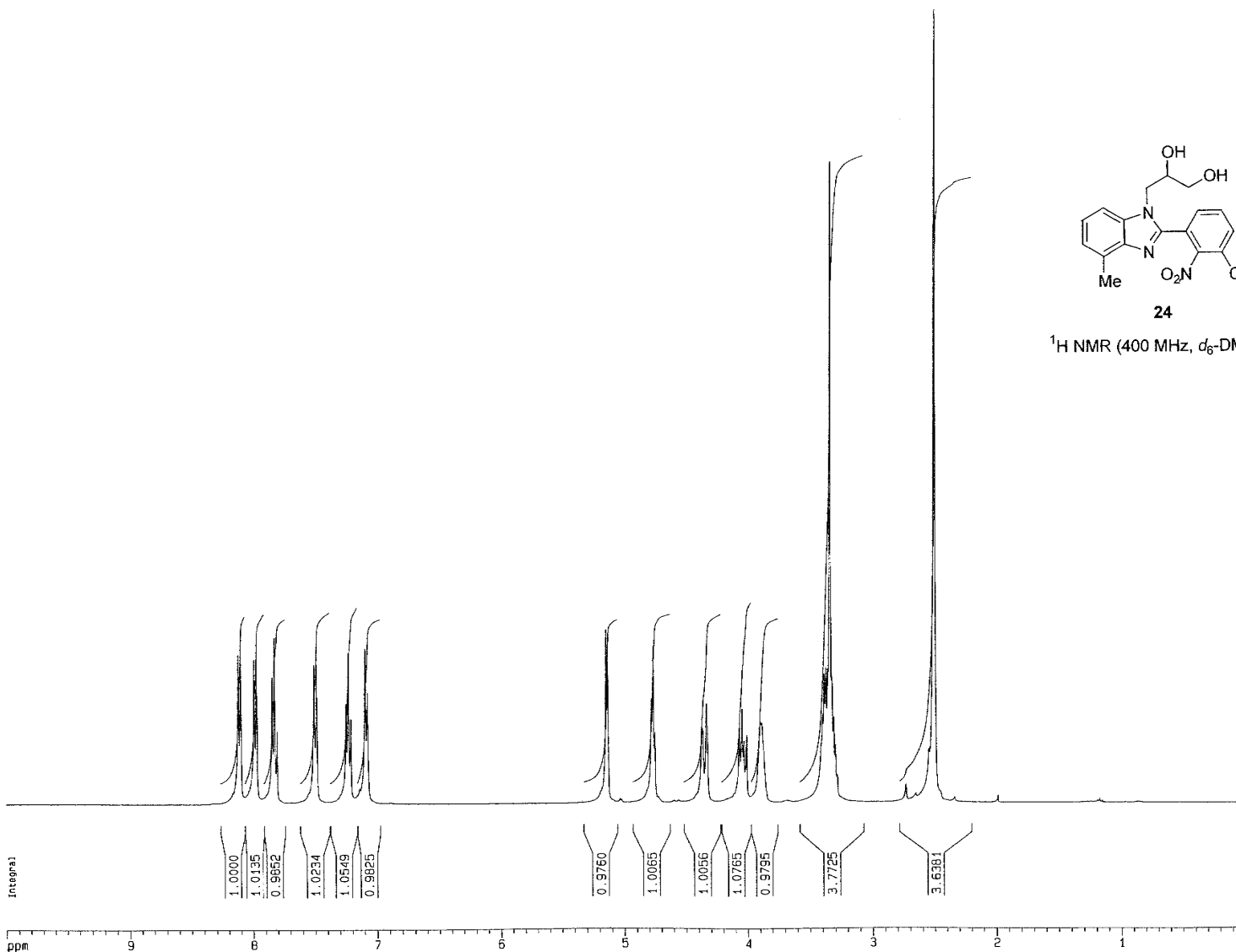
F2 - Processing parameters
 SI 32768
 SF 400.1300000 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

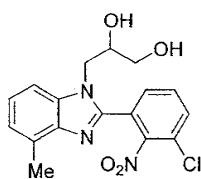
1D NMR plot parameters
 CX 30.00 cm
 F1P 10.000 ppm
 F1 4001.30 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPMCM 0.33333 ppm/cm
 HZCM 133.37666 Hz/cm



24

¹H NMR (400 MHz, d₆-DMSO)





24

^1H NMR (400 MHz, d_6 -DMSO)
(expansion)

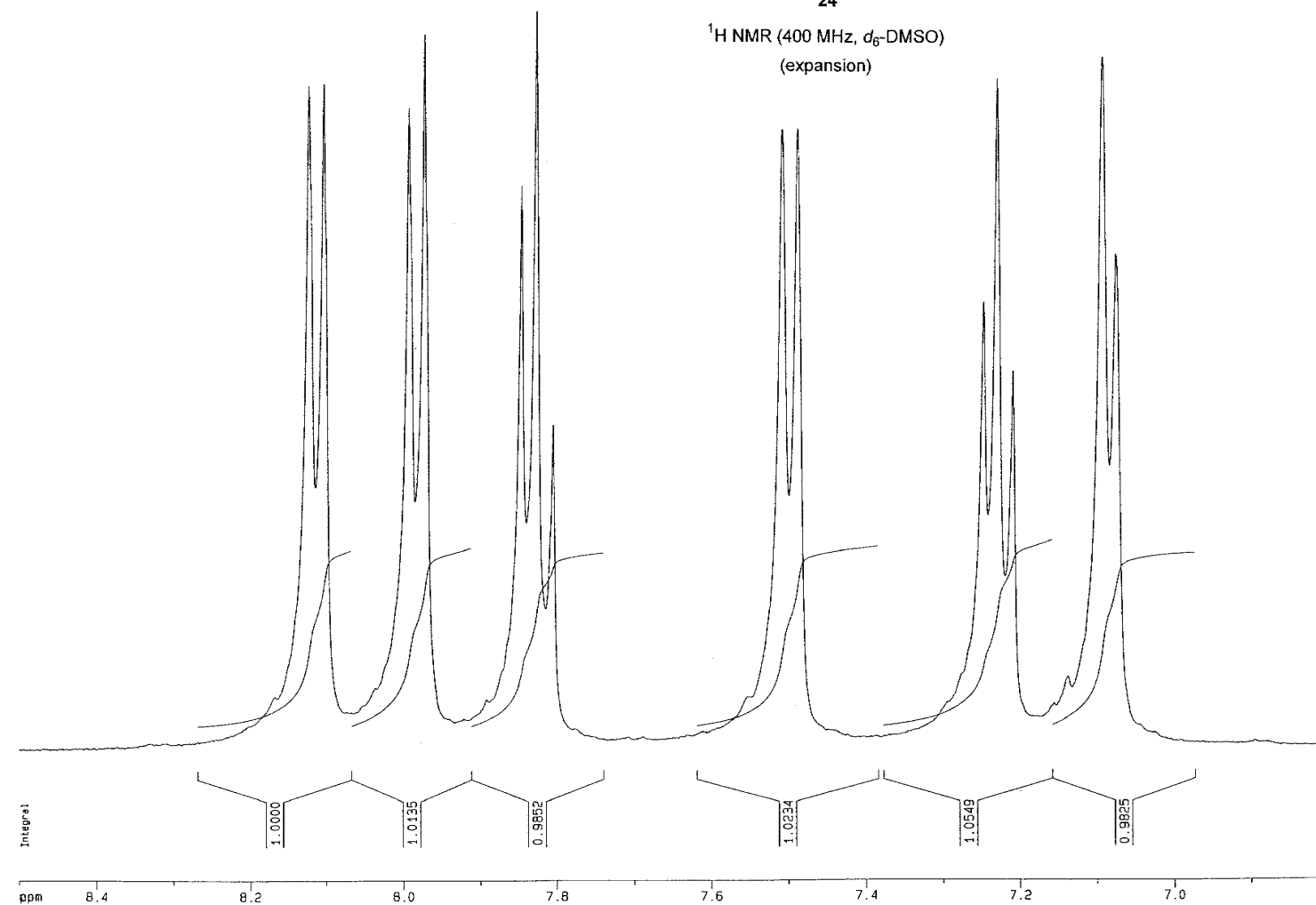
Current Data Parameters
NAME Jul02-2003
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030702
Time 17.50
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 181
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.0000000 sec

===== CHANNEL f1 =====
NUC1 ^1H
P1 7.50 usec
PL1 -6.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
F1P 8.500 ppm
F1 3401.10 Hz
F2P 6.800 ppm
F2 2720.88 Hz
PPMCM 0.05667 ppm/cm
HZCM 22.67403 Hz/cm



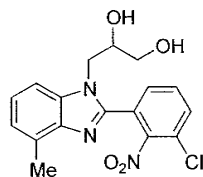
ppm

148.595
146.155
141.798
135.006
131.984
131.961
131.045
129.004
125.486
124.565
123.048
122.378
109.054

69.816
63.474

47.853
40.124
39.915
39.707
39.498
39.269
39.081
38.872

16.120



24

 ^{13}C NMR (101 MHz, d_6 -DMSO)

Current Data Parameters
NAME Jul02-2003
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030702
Time 19.35
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1800
DS 4
SWH 25125.629 Hz
FIDRES 0.383387 Hz
AQ 1.3042164 sec
RG 16384
DW 19.900 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
d12 0.00002000 sec

===== CHANNEL f1 =====
NUC1 ^{13}C
P1 5.90 usec
PL1 -6.00 dB
SFO1 100.6237859 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 ^1H
PCPD2 80.00 usec
PL2 -6.00 dB
PL12 15.80 dB
PL13 15.80 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6128182 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 30.00 cm
F1P 215.000 ppm
F1 21631.76 Hz
F2P -5.000 ppm
F2 -503.06 Hz
PPMCM 7.33333 ppm/cm
HZCM 737.82733 Hz/cm

ppm

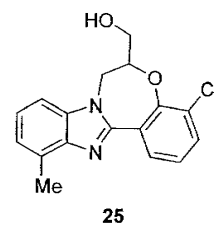
Current Data Parameters
 NAME Jul12-2003
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20030712
 Time 20.11
 INSTRUM spect
 PROBHD 5 mm BBO BB-
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.252629 Hz
 AQ 1.9792372 sec
 RG 181
 DW 60.400 usec
 DE 6.00 usec
 TE 300.0 K
 D1 1.00000000 sec

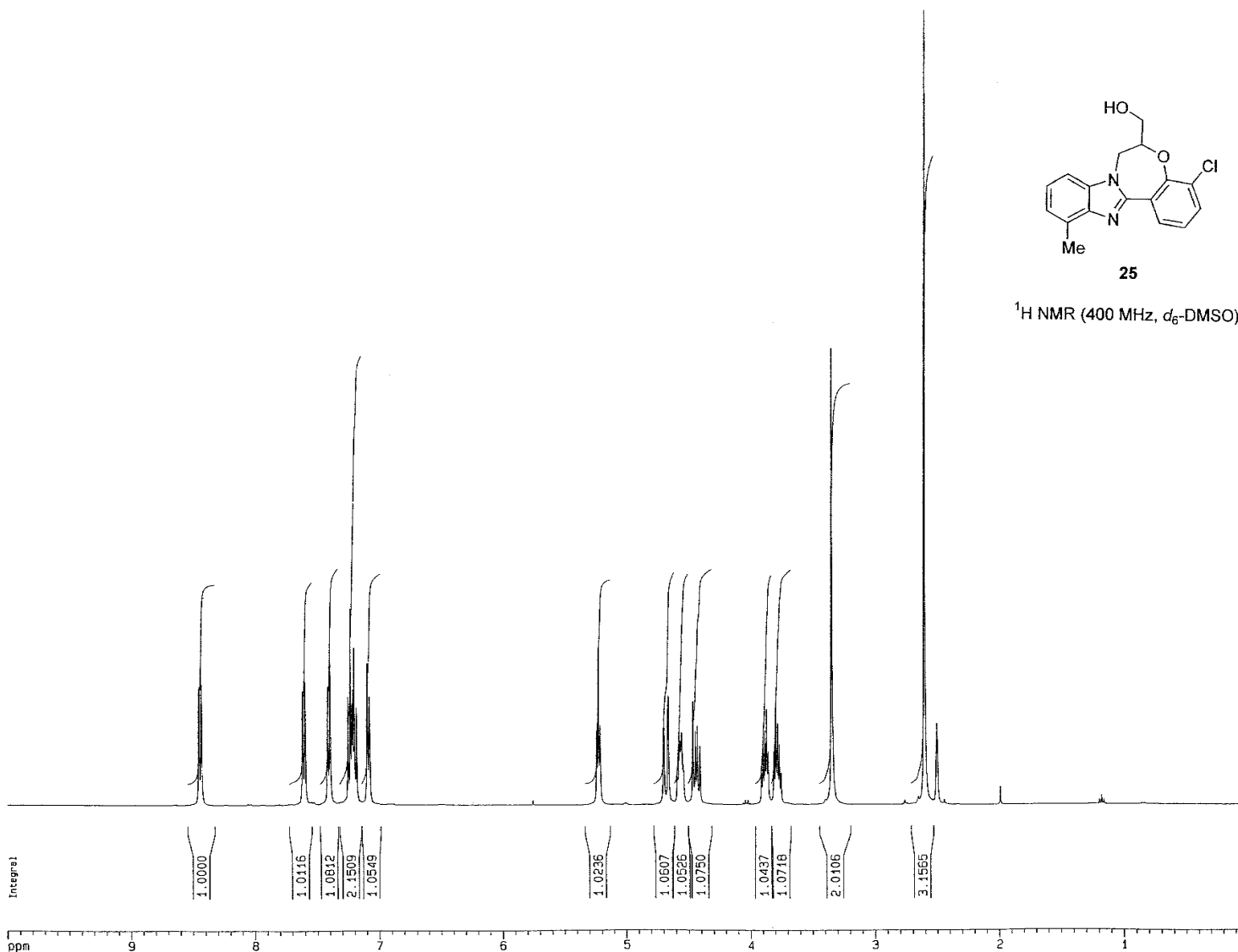
===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 -6.00 dB
 SF01 400.1324710 MHz

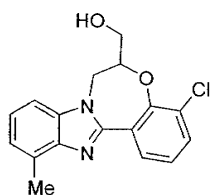
F2 - Processing parameters
 SI 32768
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 30.00 cm
 F1P 10.000 ppm
 F1 4001.30 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPMCM 0.33333 ppm/cm
 HZCM 133.37666 Hz/cm



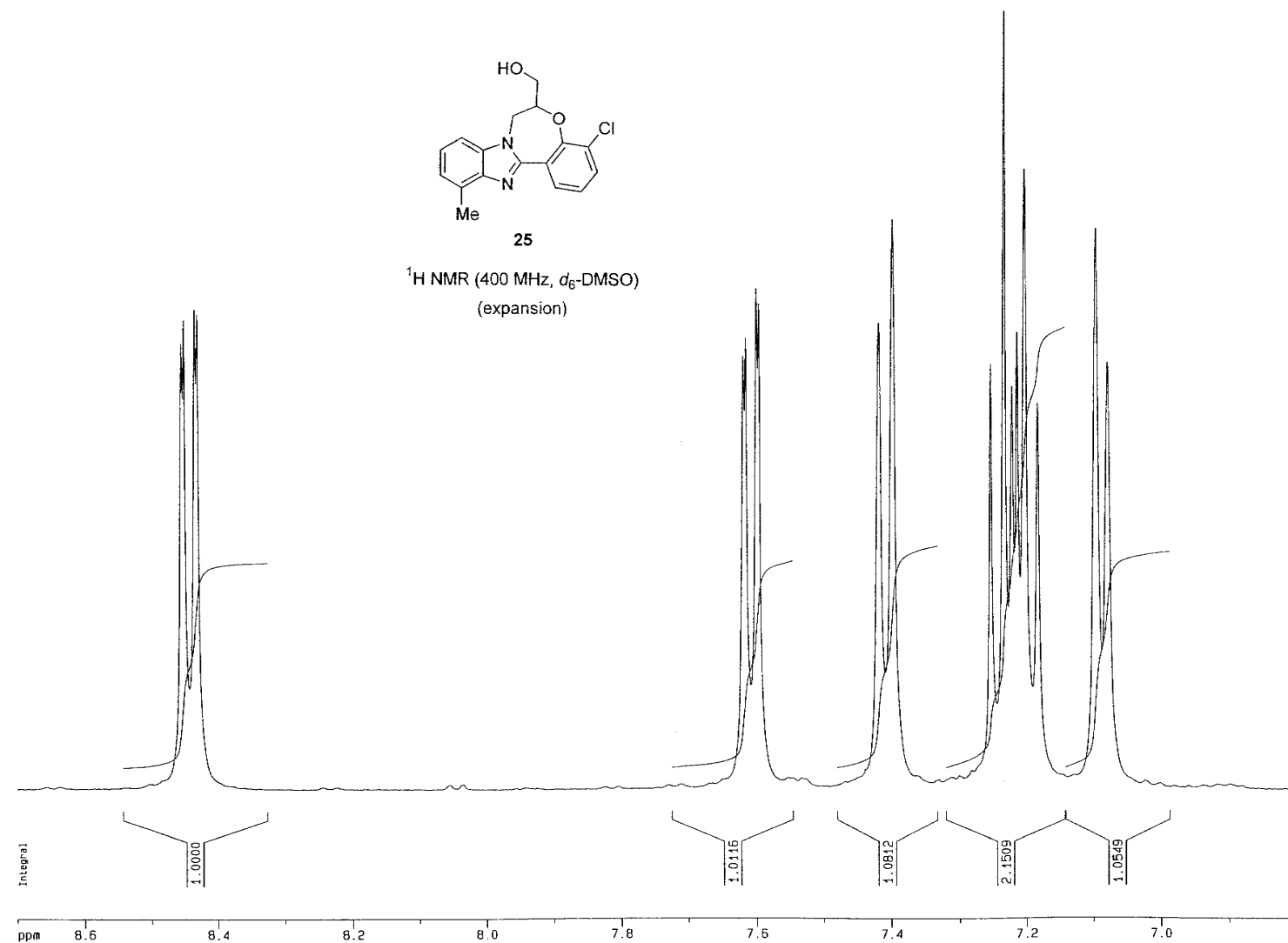
¹H NMR (400 MHz, d₆-DMSO)





25

^1H NMR (400 MHz, d_6 -DMSO)
(expansion)



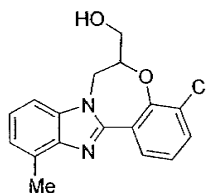
Current Data Parameters
NAME Jul12-2003
EXPNO 20
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030712
Time 20.11
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 181
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.0000000 sec

===== CHANNEL f1 =====
NUC1 ^1H
P1 7.50 usec
PL1 -6.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
F1P 8.700 ppm
F1 3481.13 Hz
F2P 6.800 ppm
F2 2720.88 Hz
PPMCM 0.06333 ppm/cm
HZCM 25.34156 Hz/cm



25

^1H NMR (400 MHz, d_6 -DMSO)
(expansion)

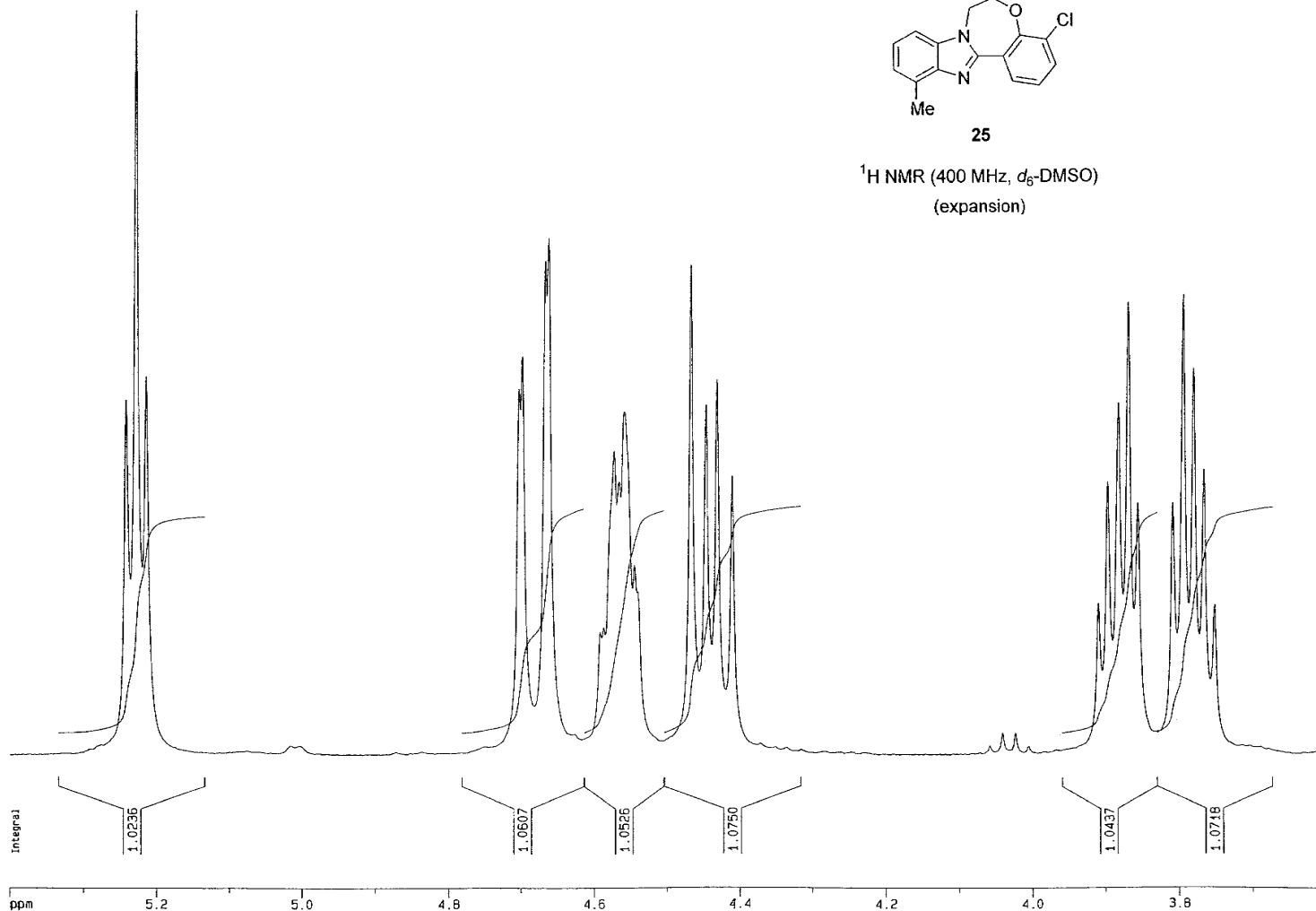
Current Data Parameters
NAME Jul12-2003
EXPNO 20
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030712
Time 20.11
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 16
DS 2
SWH 8278.146 Hz
FIDRES 0.252629 Hz
AQ 1.9792372 sec
RG 181
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

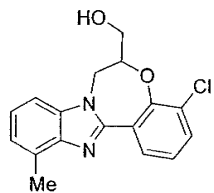
===== CHANNEL f1 =====
NUC1 ^1H
P1 7.50 usec
PL1 -6.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

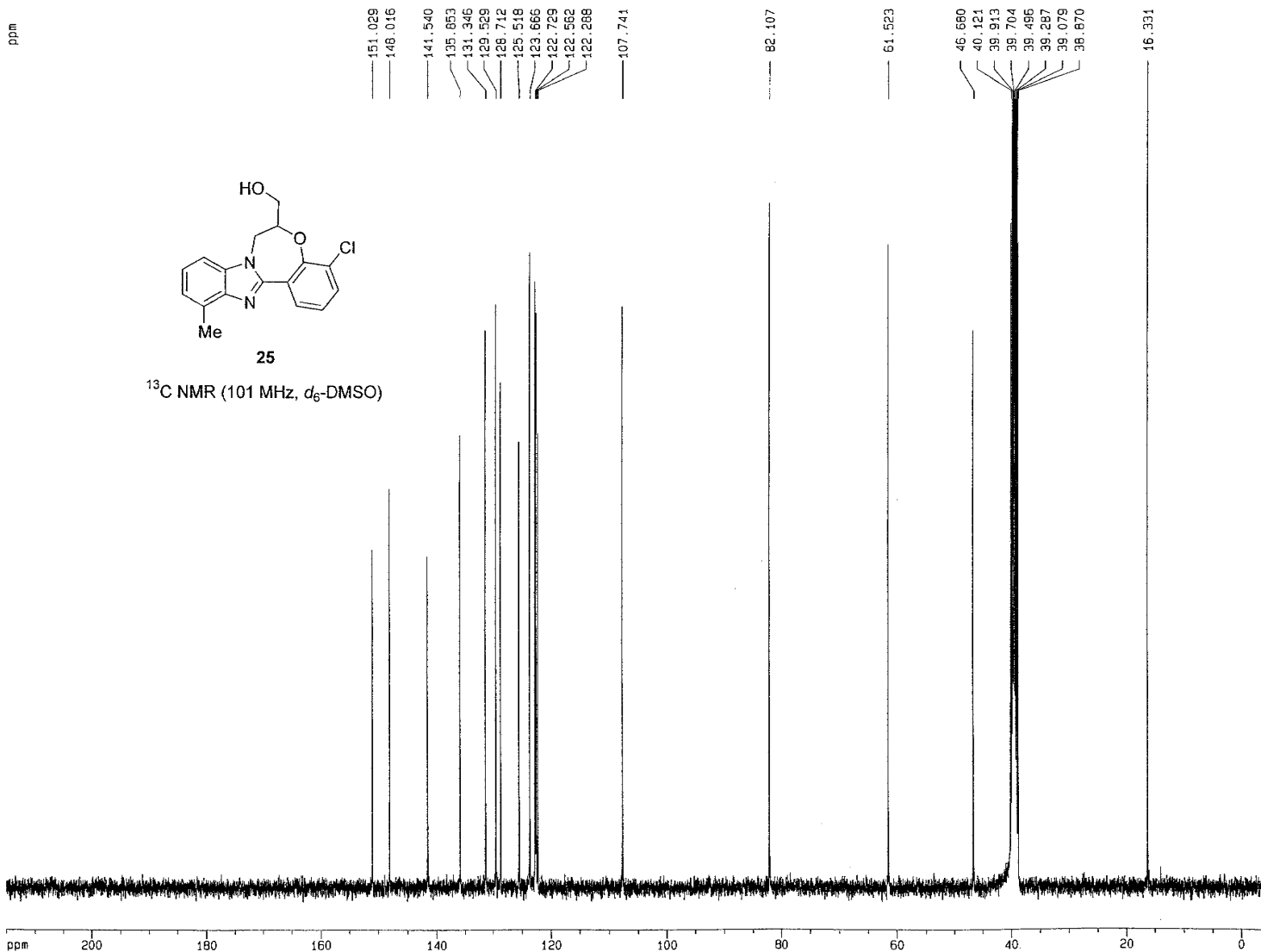
1D NMR plot parameters
CX 30.00 cm
F1P 5.400 ppm
F1 2160.70 Hz
F2P 3.600 ppm
F2 1440.47 Hz
PPMCM 0.06000 ppm/cm
HZCM 24.00780 Hz/cm



ppm



25

 ^{13}C NMR (101 MHz, d_6 -DMSO)

Current Data Parameters

NAME Jul12-2003
EXPNO 21
PROCNO 1

F2 - Acquisition Parameters

Date_ 20030712
Time 22.06
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 2000
DS 4
SWH 25125.629 Hz
FIDRES 0.383387 Hz
AQ 1.3042164 sec
RG 4096
DW 19.900 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
d12 0.00002000 sec

===== CHANNEL f1 =====

NUC1 ^{13}C
P1 5.90 usec
PL1 -6.00 dB
SF01 100.6237959 MHz

===== CHANNEL f2 =====

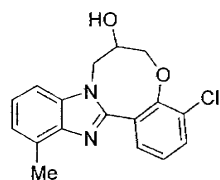
CPDPRG2 waltz16
NUC2 ^1H
PCPD2 80.00 usec
PL2 -6.00 dB
PL12 15.80 dB
PL13 15.80 dB
SF02 400.1316005 MHz

F2 - Processing parameters

SI 32768
SF 100.6128189 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters

CX 30.00 cm
F1P 215.000 ppm
F1 21631.76 Hz
F2P -5.000 ppm
F2 -503.06 Hz
PPMCM 7.33333 ppm/cm
HZCM 737.82733 Hz/cm



26

^1H NMR (400 MHz, d_6 -DMSO)

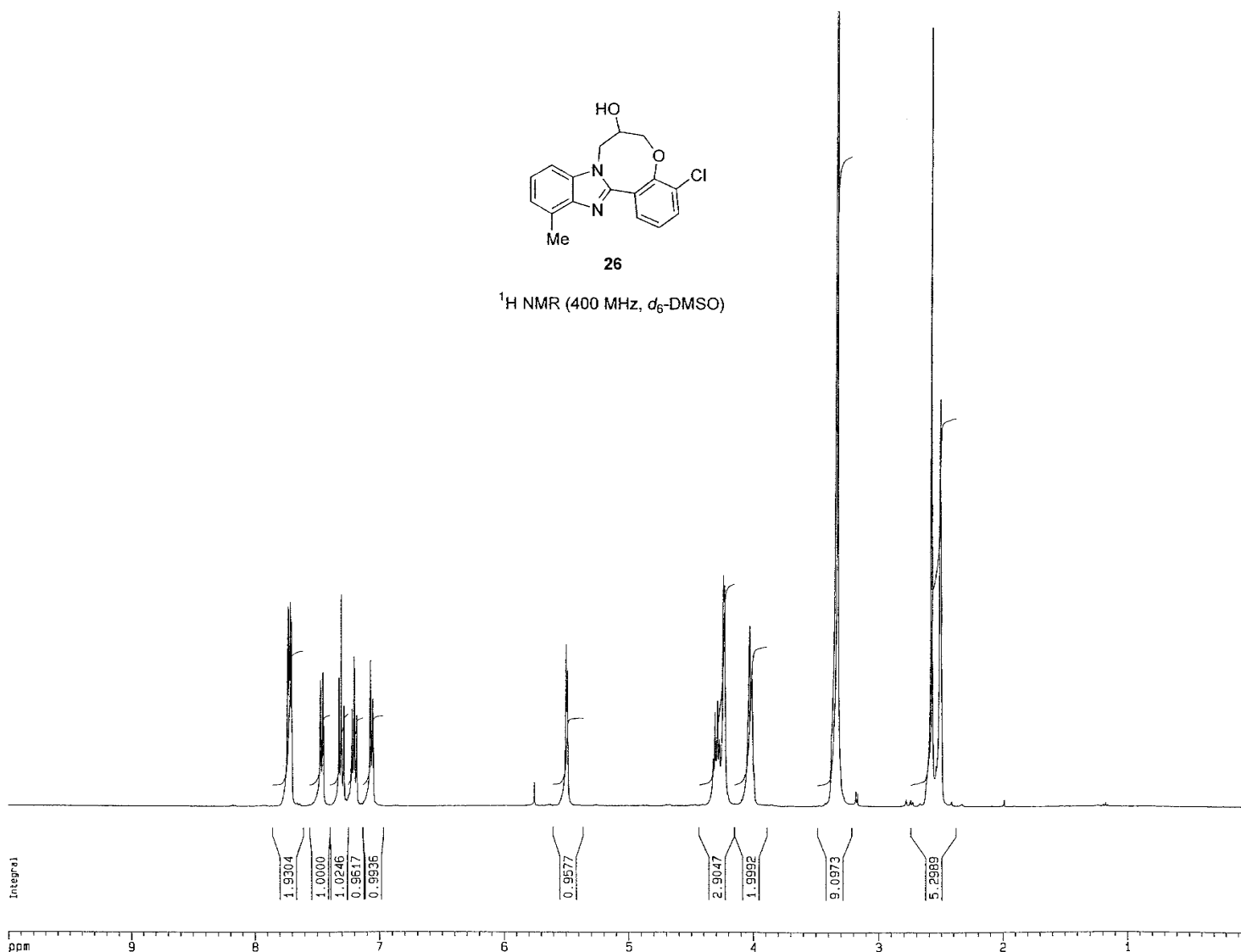
Current Data Parameters
NAME Jul12-2003
EXPNO 30
PROCNO 1

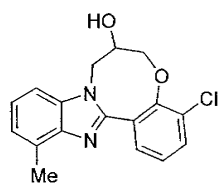
F2 - Acquisition Parameters
Date_ 20030712
Time 22.26
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 128
DS 0
SWH 827B.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 256
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 2.0000000 sec

===== CHANNEL f1 =====
NUC1 ^1H
P1 7.50 usec
PL1 -6.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
F1P 10.000 ppm
F1 4001.30 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCM 0.33333 ppm/cm
HZCM 133.37666 Hz/cm





26

^1H NMR (400 MHz, d_6 -DMSO)
(expansion)

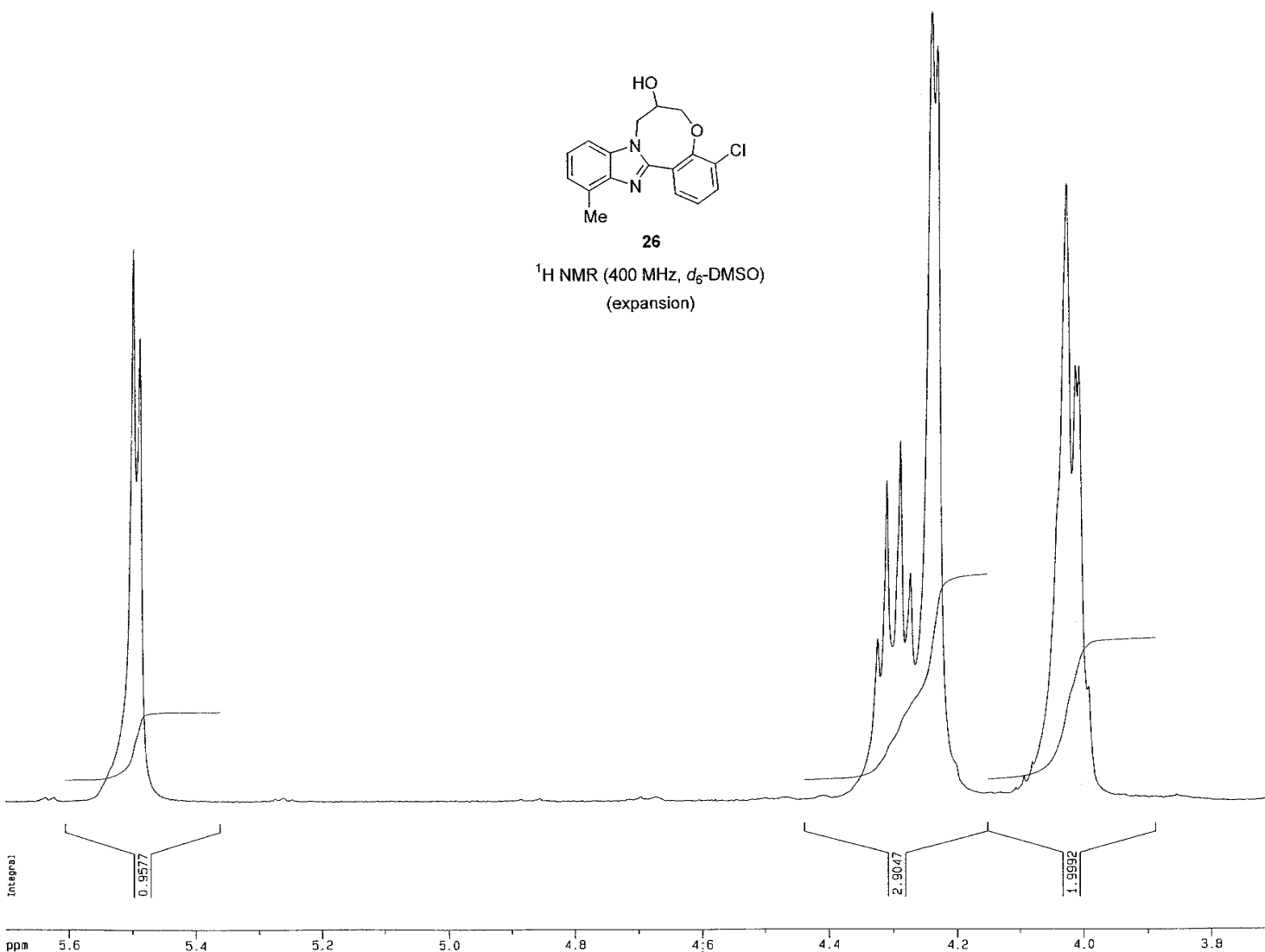
Current Data Parameters
NAME Jul12-2003
EXPNO 30
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030712
Time 22.26
INSTRUM spect
PROBHD 5 mm BBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 128
DS 0
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 256
DW 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 2.0000000 sec

===== CHANNEL f1 =====
NUC1 ^1H
P1 7.50 usec
PL1 -6.00 dB
SF01 400.1324710 MHz

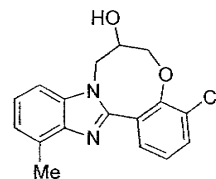
F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

iD NMR plot parameters
CX 30.00 cm
F1P 5.700 ppm
F1 2280.74 Hz
F2P 3.700 ppm
F2 1480.48 Hz
PPMCM 0.06667 ppm/cm
HZCM 26.67533 Hz/cm



Current Data Parameters
 NAME Jul12-2003
 EXPNO 30
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20030712
 Time 22.26
 INSTRUM spect
 PROBHD 5 mm BBO BB-
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 128
 DS 0
 SWH 8278.146 Hz
 FIDRES 0.126314 Hz
 AQ 3.9584243 sec
 RG 256
 DW 60.400 usec
 DE 6.00 usec
 TE 300.0 K
 D1 2.0000000 sec



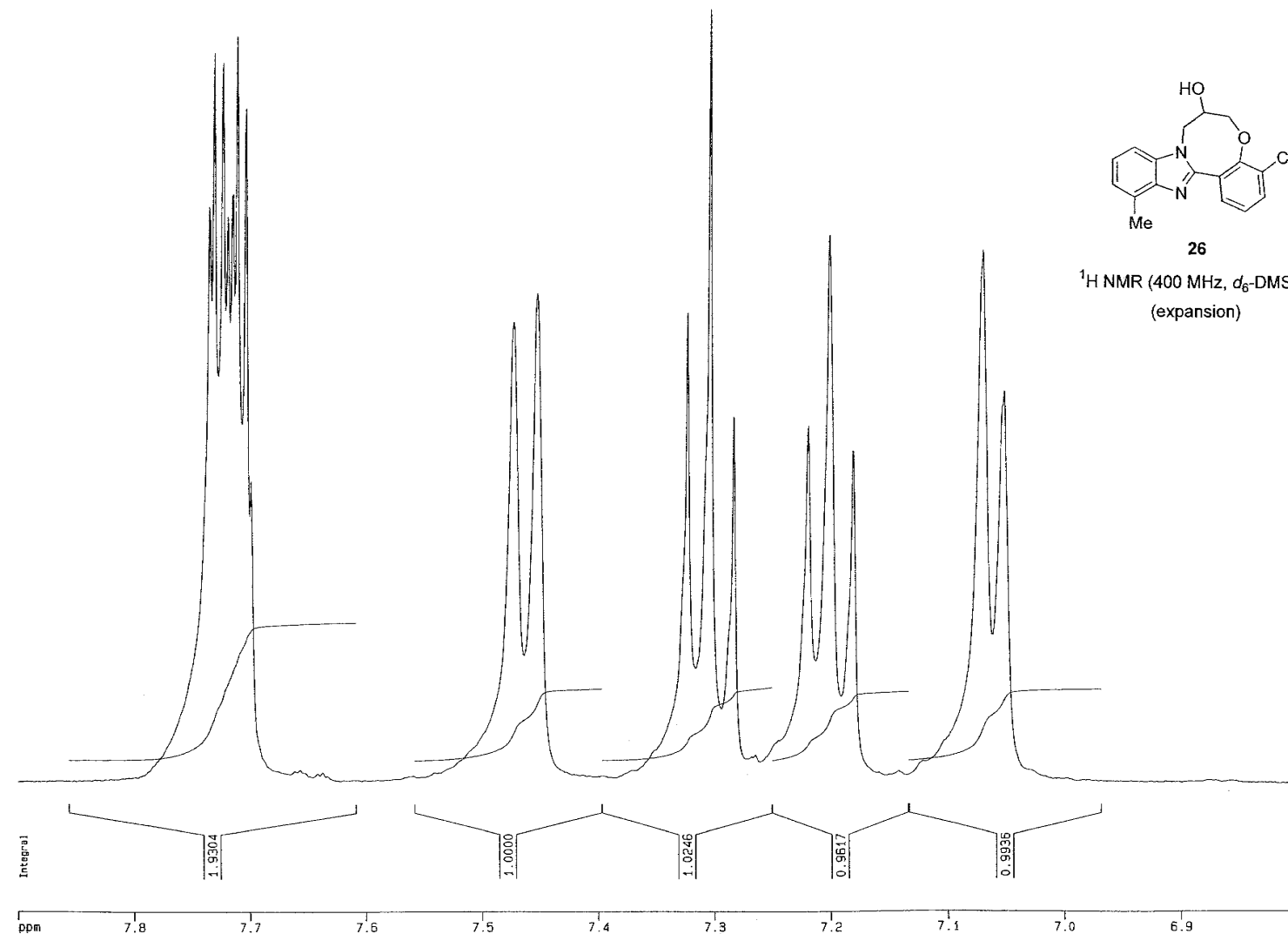
26

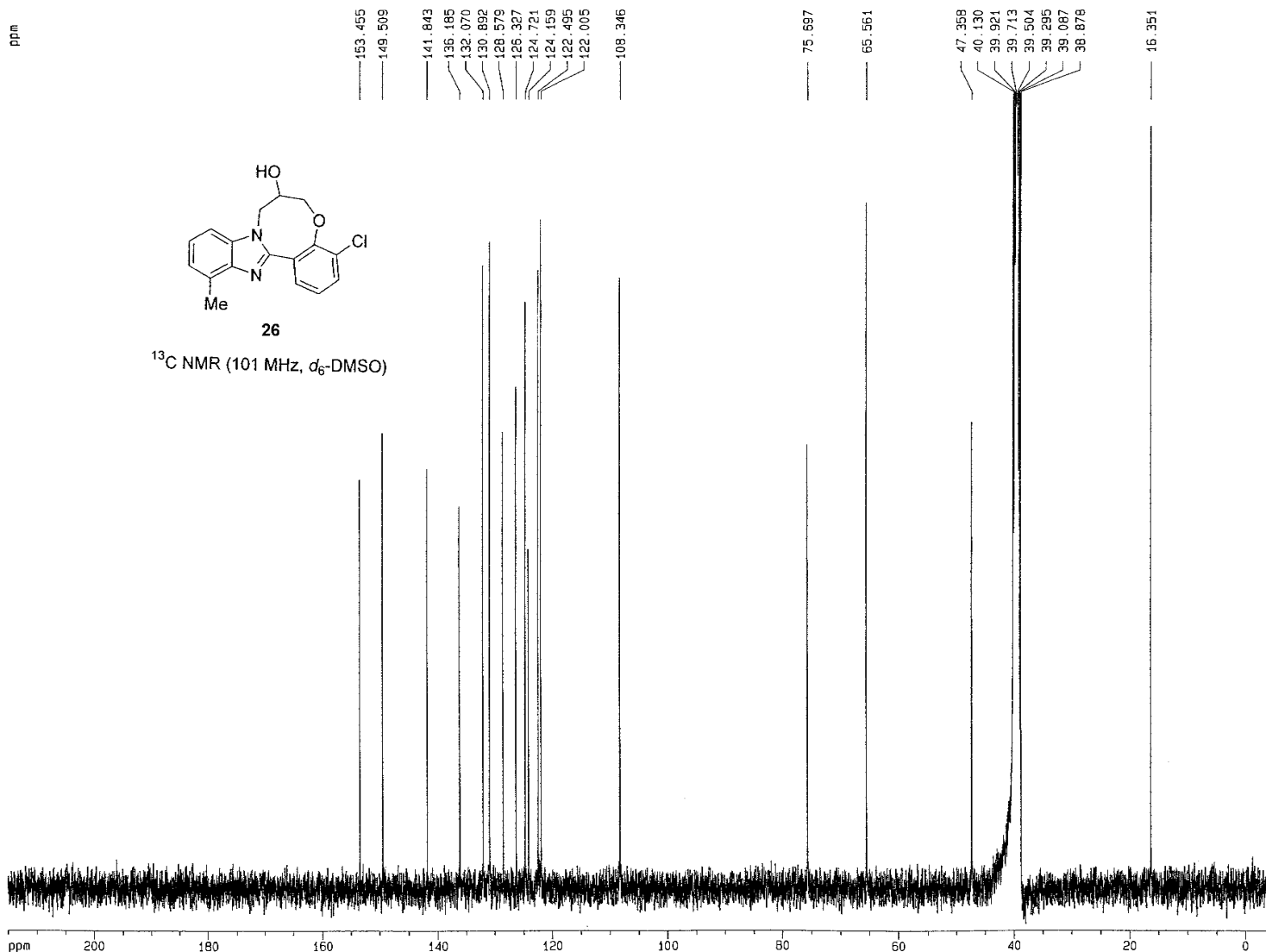
¹H NMR (400 MHz, d₆-DMSO)
 (expansion)

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 -6.00 dB
 SF01 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 30.00 cm
 F1P 7.900 ppm
 F1 3161.03 Hz
 F2P 6.800 ppm
 F2 2720.88 Hz
 PPMCM 0.03667 ppm/cm
 HZCM 14.67143 Hz/cm





Current Data Parameters
 NAME Jul12-2003
 EXPNO 31
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20030713
 Time 7.26
 INSTRUM spect
 PROBHD 5 mm 880 88-
 PULPROG zgpg30
 TO 65536
 SOLVENT DMSO
 NS 9700
 DS 4
 SWH 25125.629 Hz
 FIDRES 0.383387 Hz
 AQ 1.3042164 sec
 RG 7298.2
 OW 19.900 usec
 DE 6.00 usec
 TE 300.0 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 d12 0.00002000 sec

===== CHANNEL f1 =====
 NUC1 ^{13}C
 P1 5.90 usec
 PL1 -6.00 dB
 SFO1 100.6237959 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 ^1H
 PCPD2 80.00 usec
 PL2 -6.00 dB
 PL12 15.80 dB
 PL13 15.80 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6128182 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

10 NMR plot parameters
 CX 30.00 cm
 F1P 215.000 ppm
 F1 21631.76 Hz
 F2P -5.000 ppm
 F2 -503.06 Hz
 PPMCM 7.33333 ppm/cm
 HZCM 737.82733 Hz/cm