Electronic Supplementary Material (ESI) for Organic & Biomolecular Chemistry.
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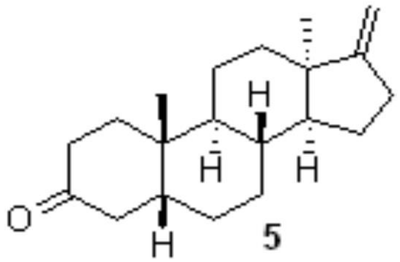

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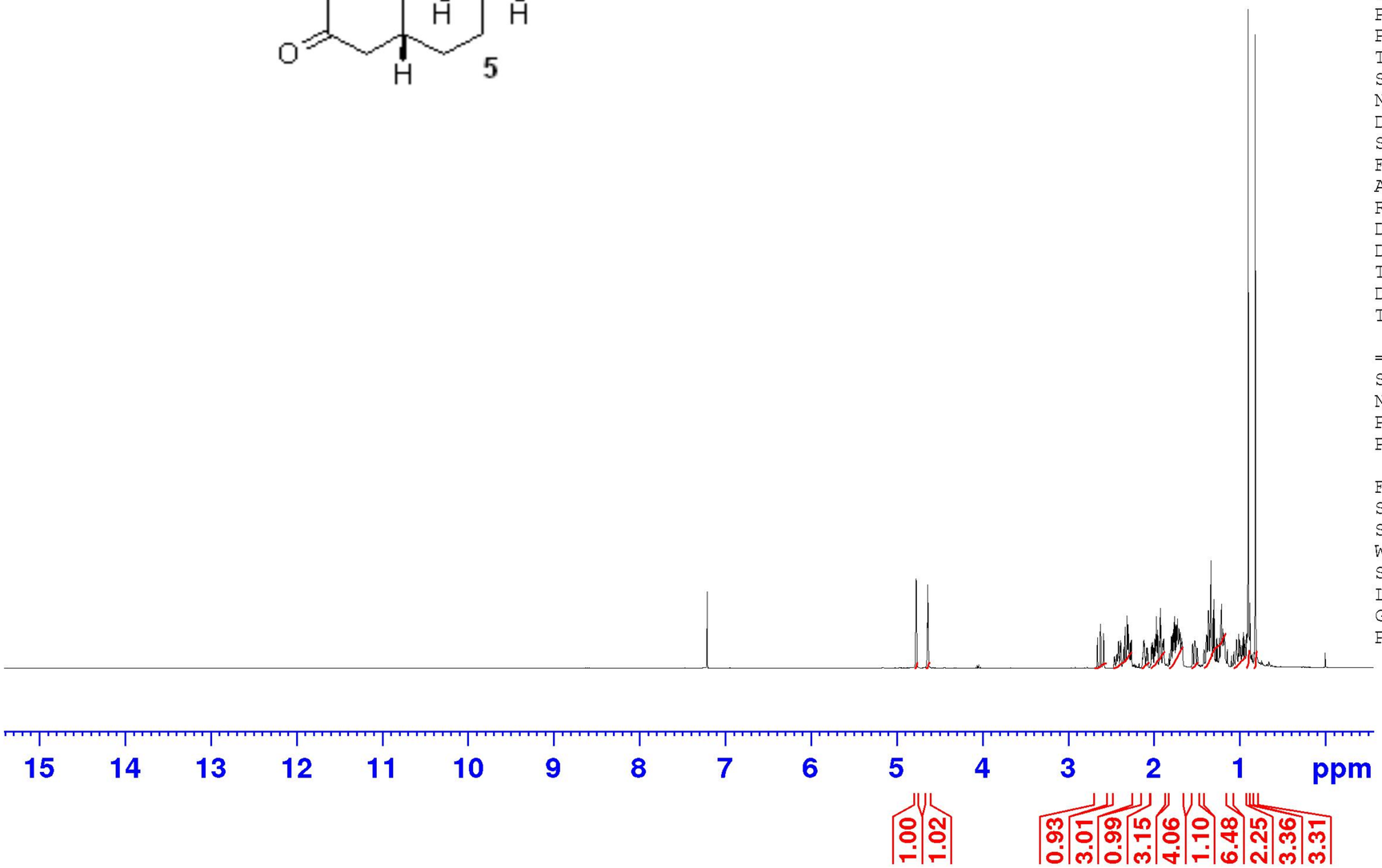
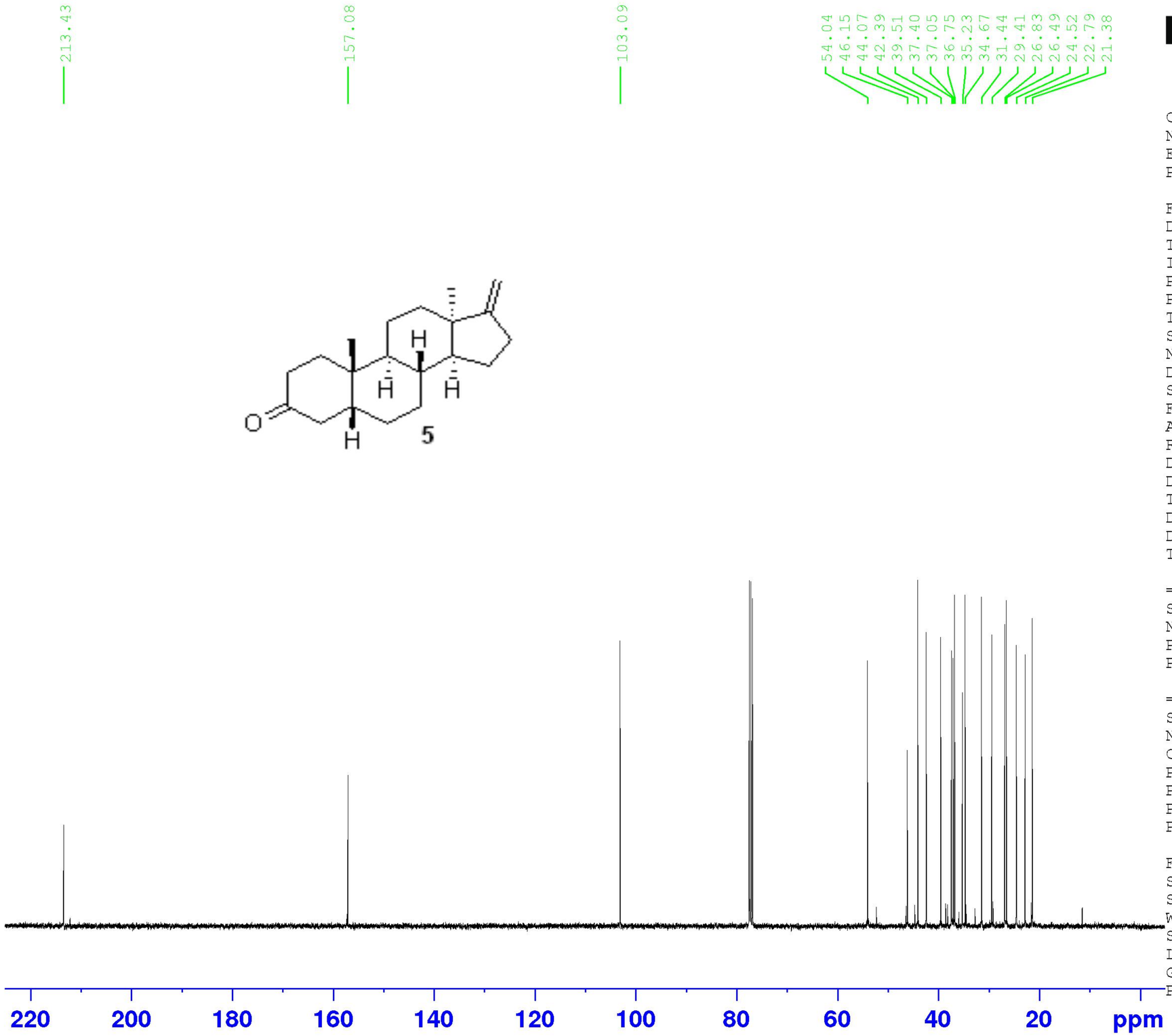



```
Current Data Parameters
NAME            NK-171-3
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160128
Time               14.09
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 22.49
DW                78.200 usec
DE                  6.50 usec
TE                 297.4 K
D1             1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300301 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



BRUKER

```
Current Data Parameters
NAME            NK-171-3
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160128
Time               14.26
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                  256
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                297.9 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                   1

======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2            90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF          100.6127585 MHz
WDW                   EM
SSB       0
LB                1.00 Hz
GB        0
PC                1.40
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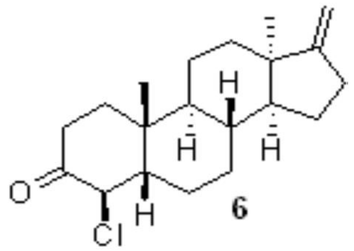
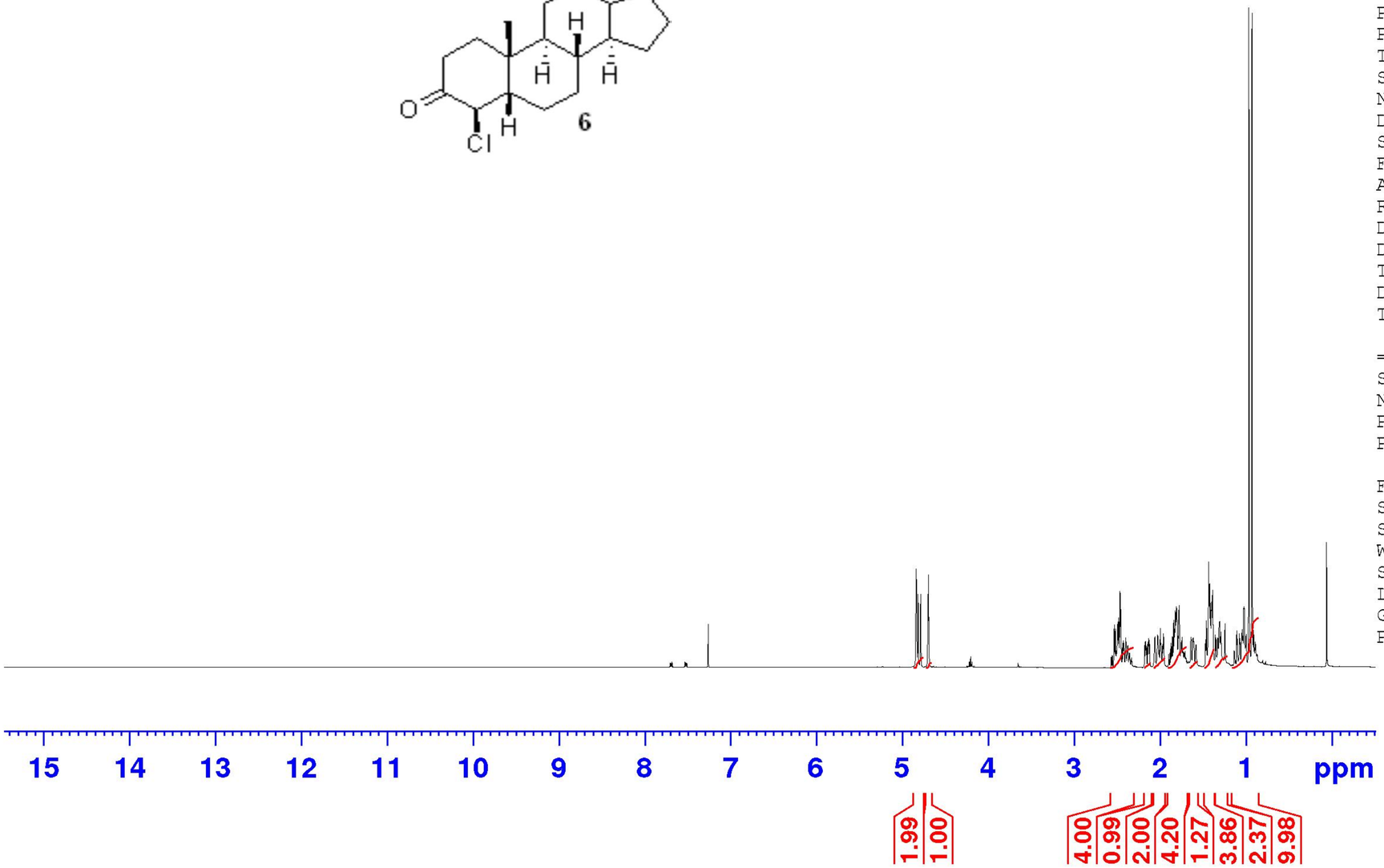


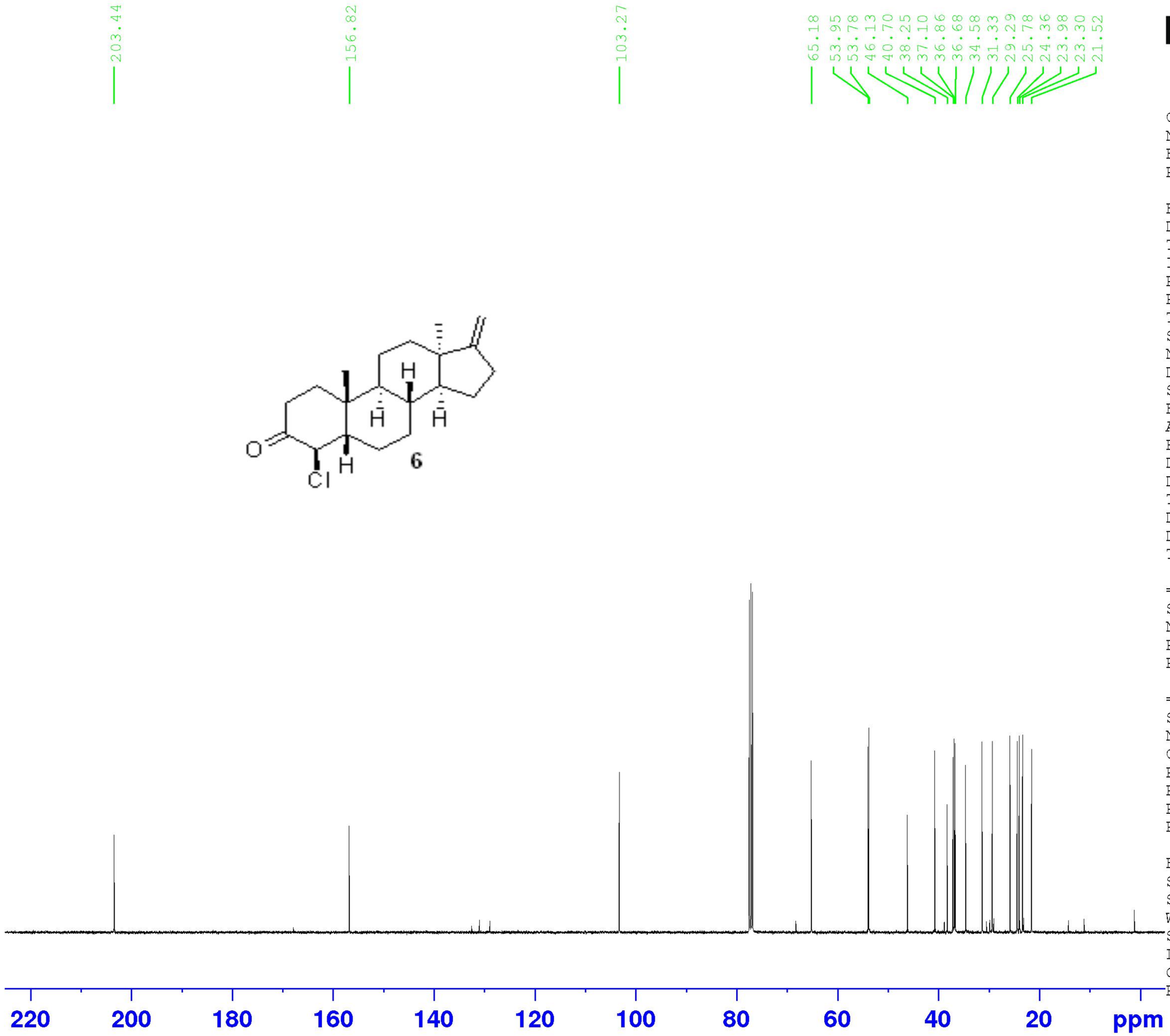



```
Current Data Parameters
NAME              SP-006
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160611
Time                1.38
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 34.81
DW                78.200 usec
DE                  6.50 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



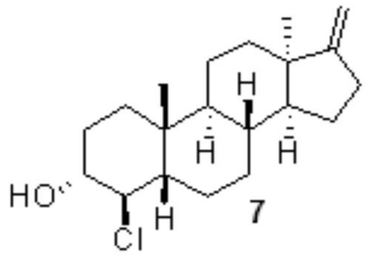
Current Data Parameters
NAME SP-006
EXPNO 2
PROCNO 1

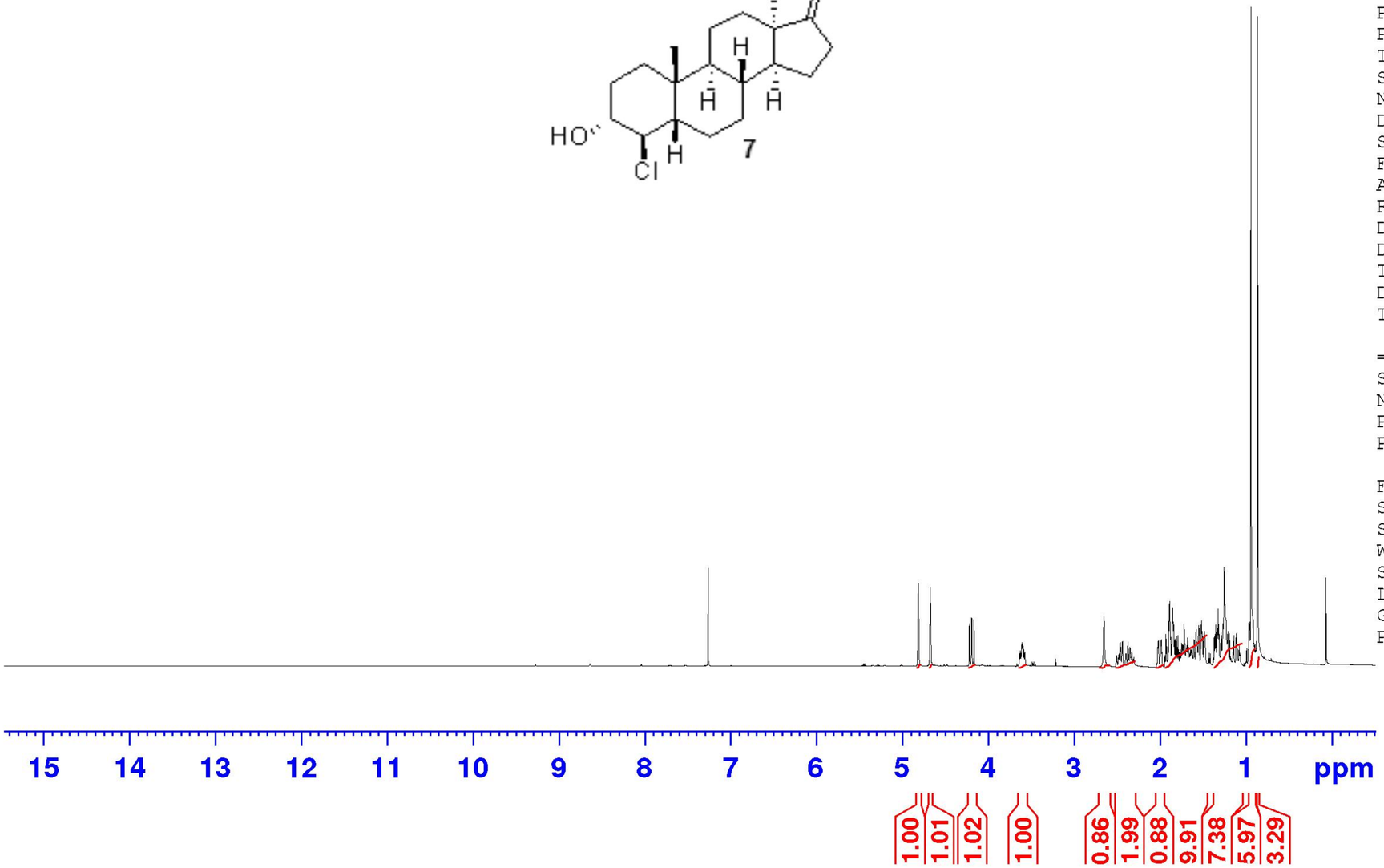
F2 - Acquisition Parameters
Date_ 20160611
Time 2.39
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 295.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127593 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



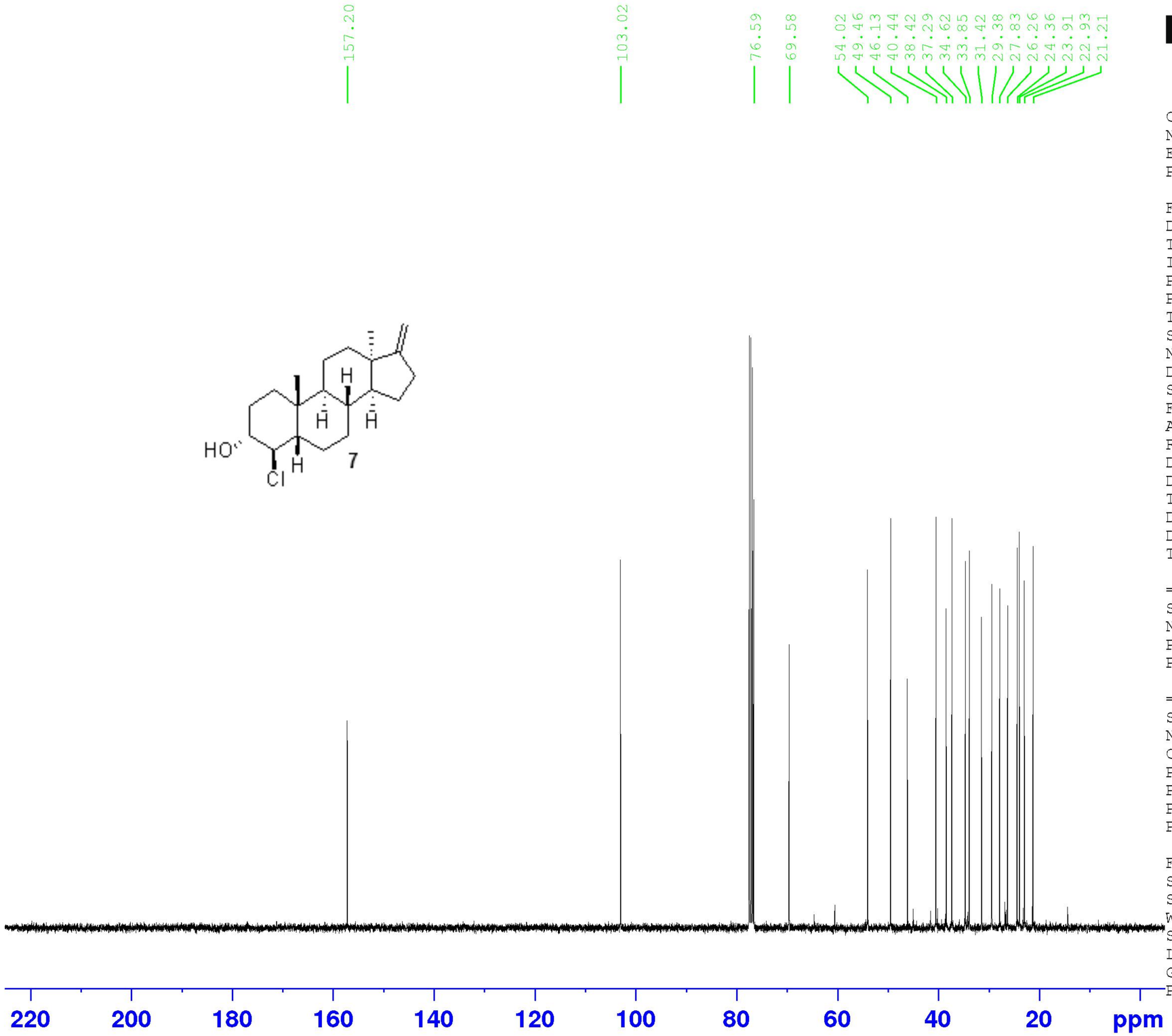



```
Current Data Parameters
NAME            SP-051-3
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160923
Time               14.24
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 54.95
DW                78.200 usec
DE                  6.50 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



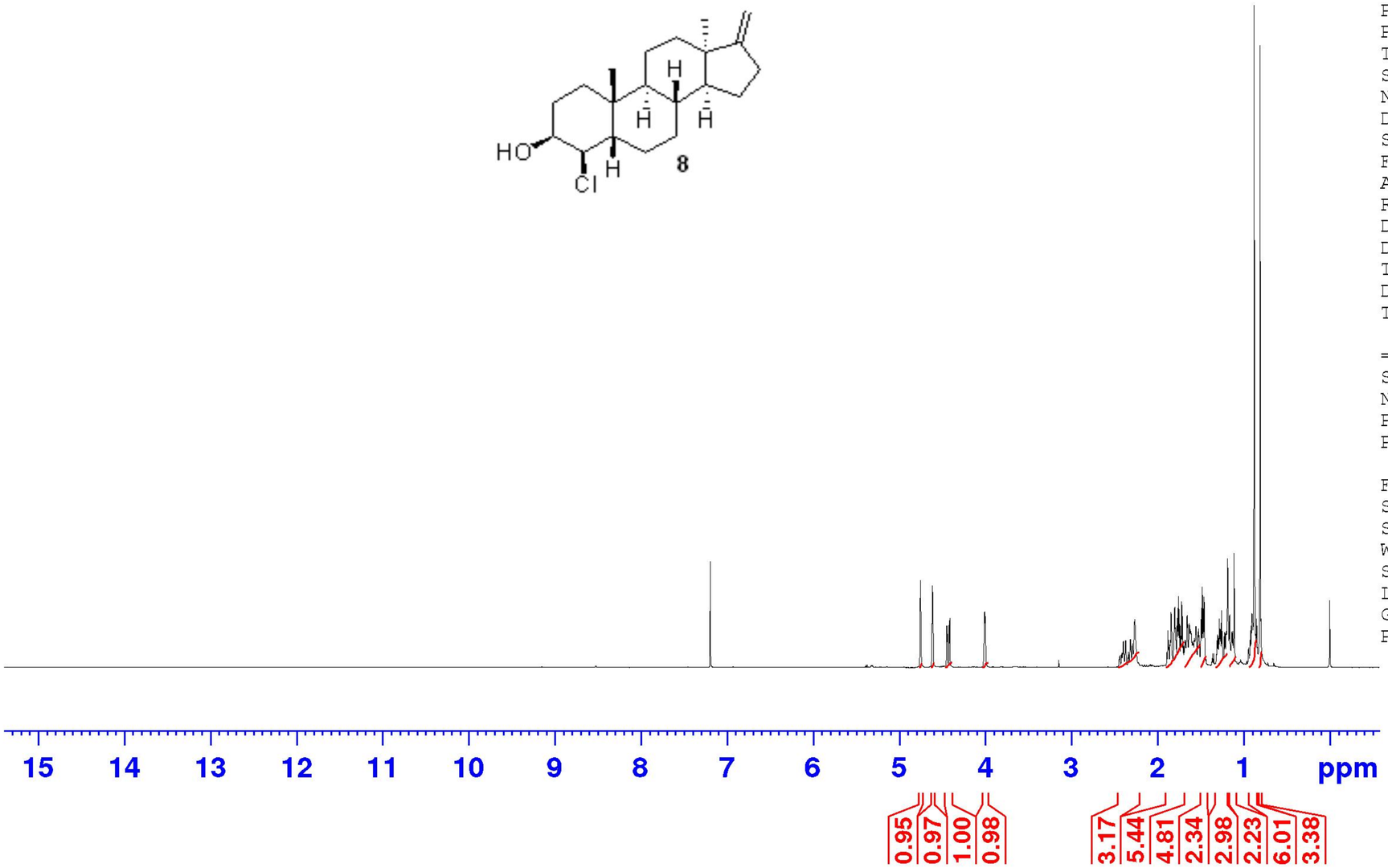
Current Data Parameters
NAME SP-052-3
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160923
Time 13.45
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 300
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 295.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127588 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40




```
Current Data Parameters
NAME            SP-051-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160923
Time               14.19
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 97.82
DW                78.200 usec
DE                  6.50 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                   1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300360 MHz
WDW                    EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
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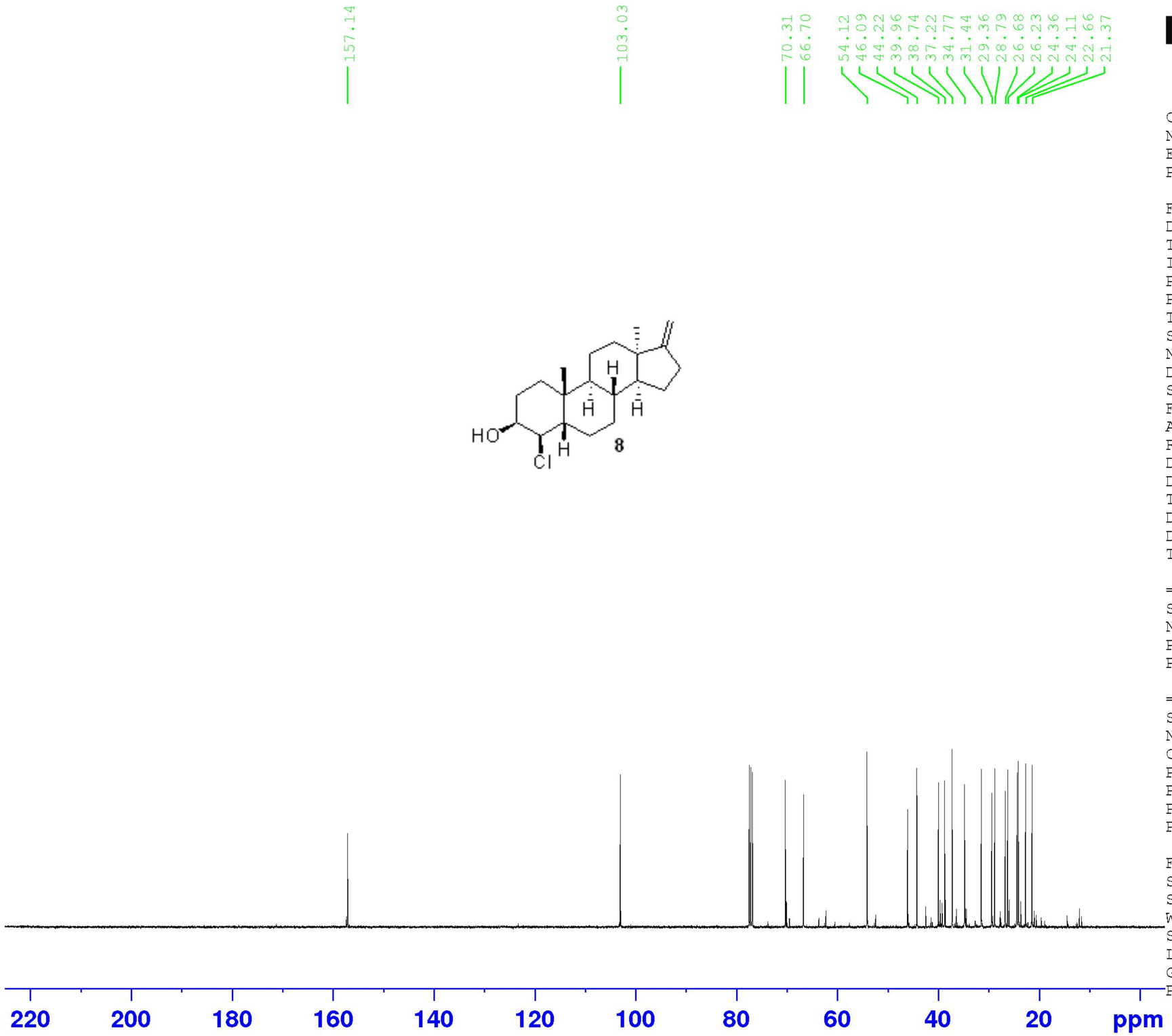


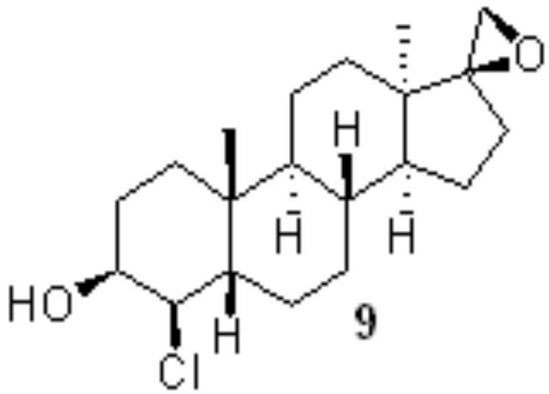
Current Data Parameters
NAME SP-052-2
EXPNO 2
PROCNO 1

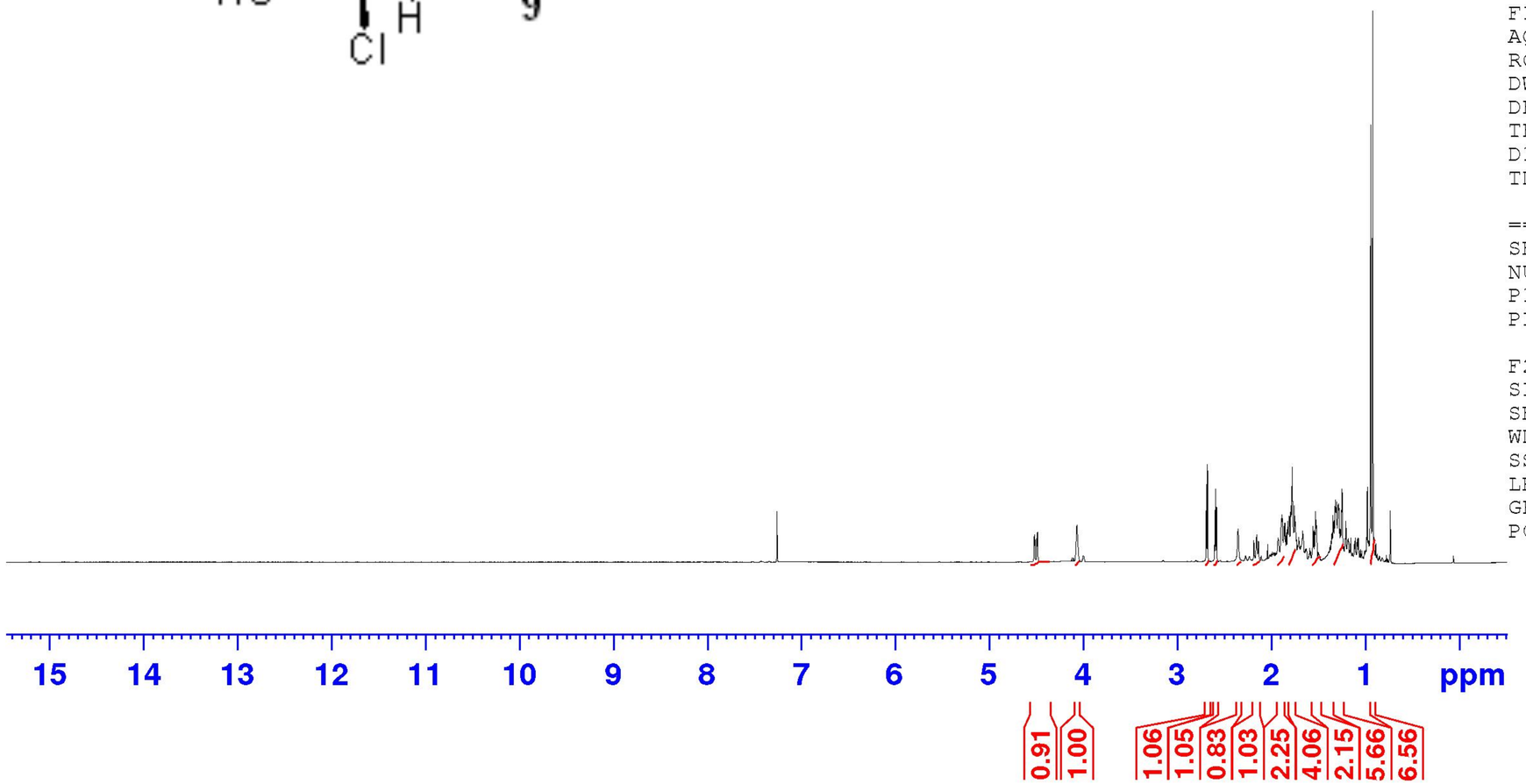
F2 - Acquisition Parameters
Date_ 20160923
Time 14.05
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 250
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 295.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127608 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



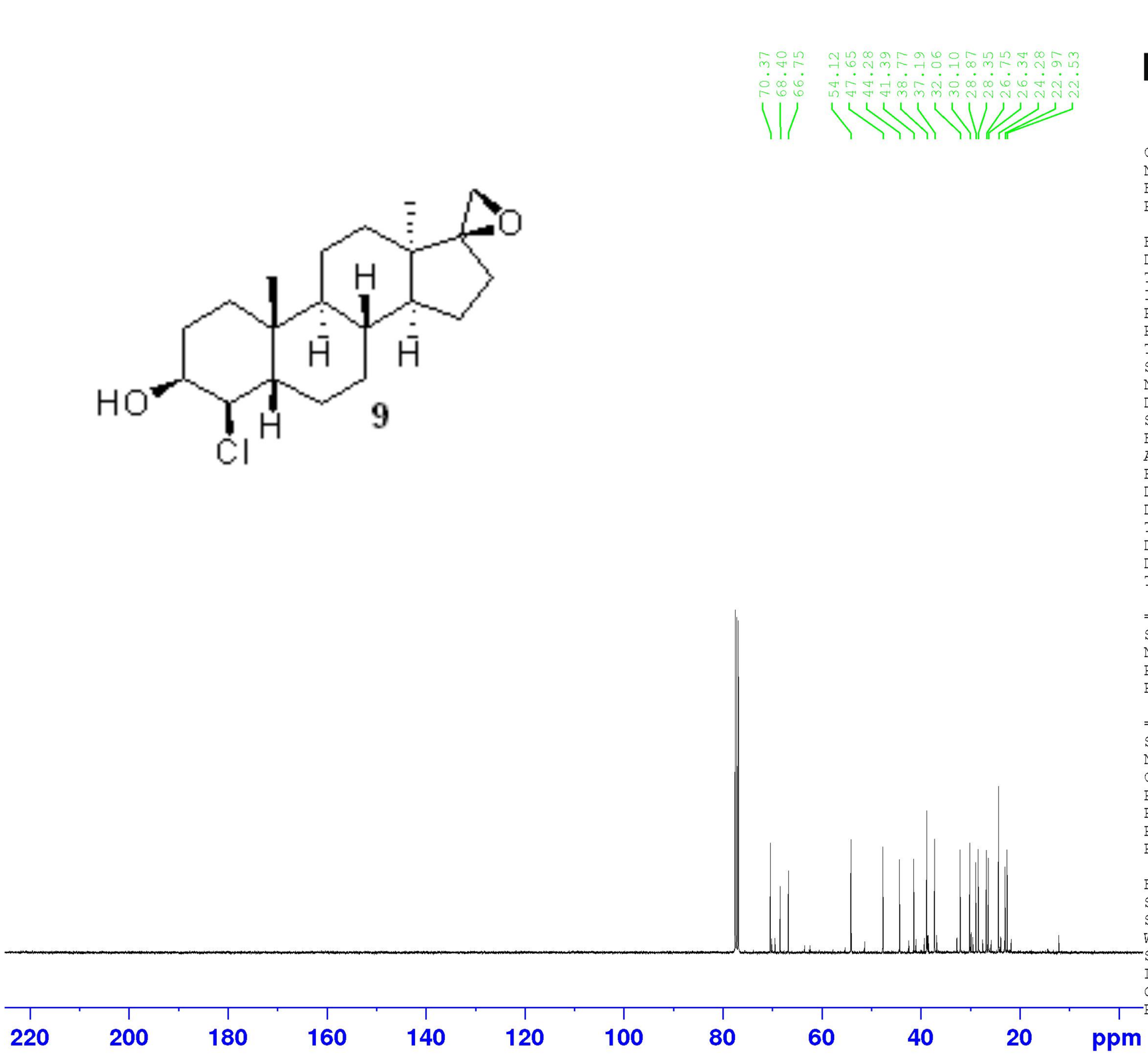



```
Current Data Parameters
NAME            NK-324-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160929
Time               15.20
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 39.08
DW                78.200 usec
DE                  6.50 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



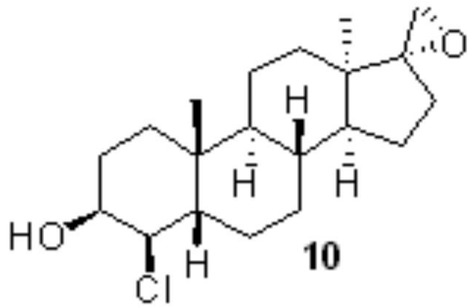

```
Current Data Parameters
NAME            NK-324-2
EXPNO                  2
PROCNO                 1

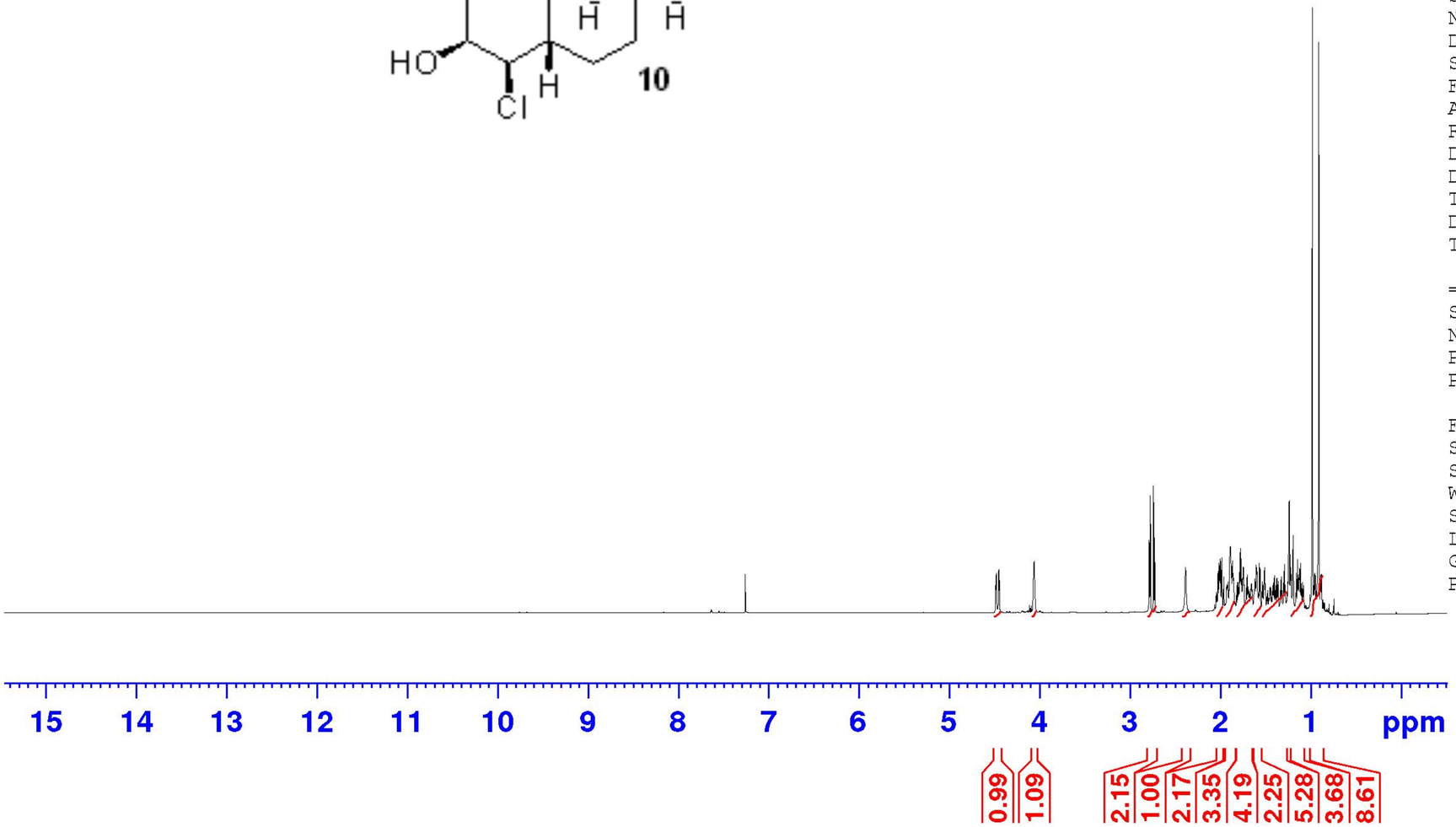
F2 - Acquisition Parameters
Date_           20160930
Time                2.57
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                295.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                9.00 usec
PLW1        75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2            90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF          100.6127578 MHz
WDW                   EM
SSB       0
LB                1.00 Hz
GB        0
PC                1.40
```



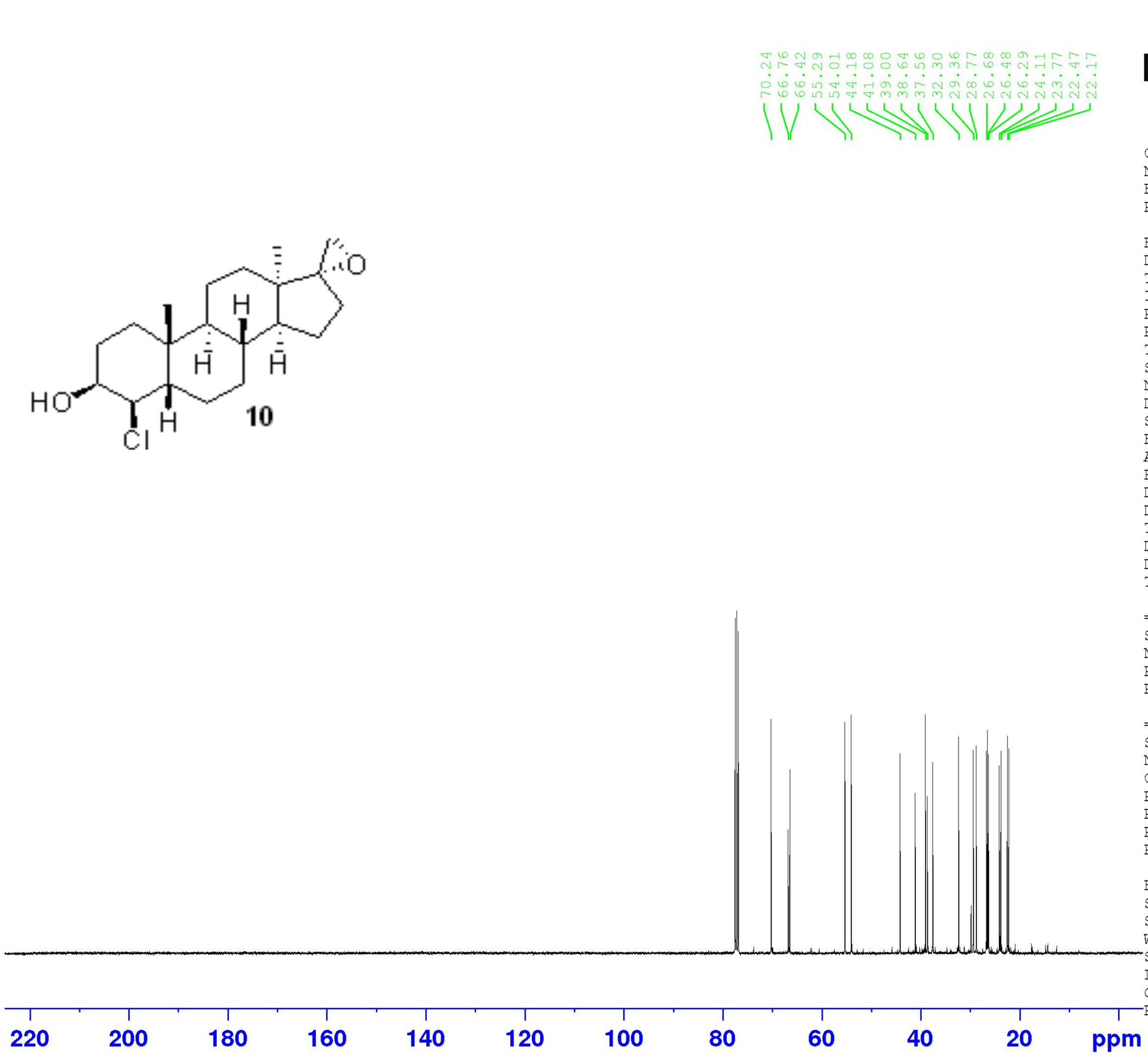



```
Current Data Parameters
NAME            NK-324-4
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160929
Time               15.29
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 27.78
DW                78.200 usec
DE                  6.50 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



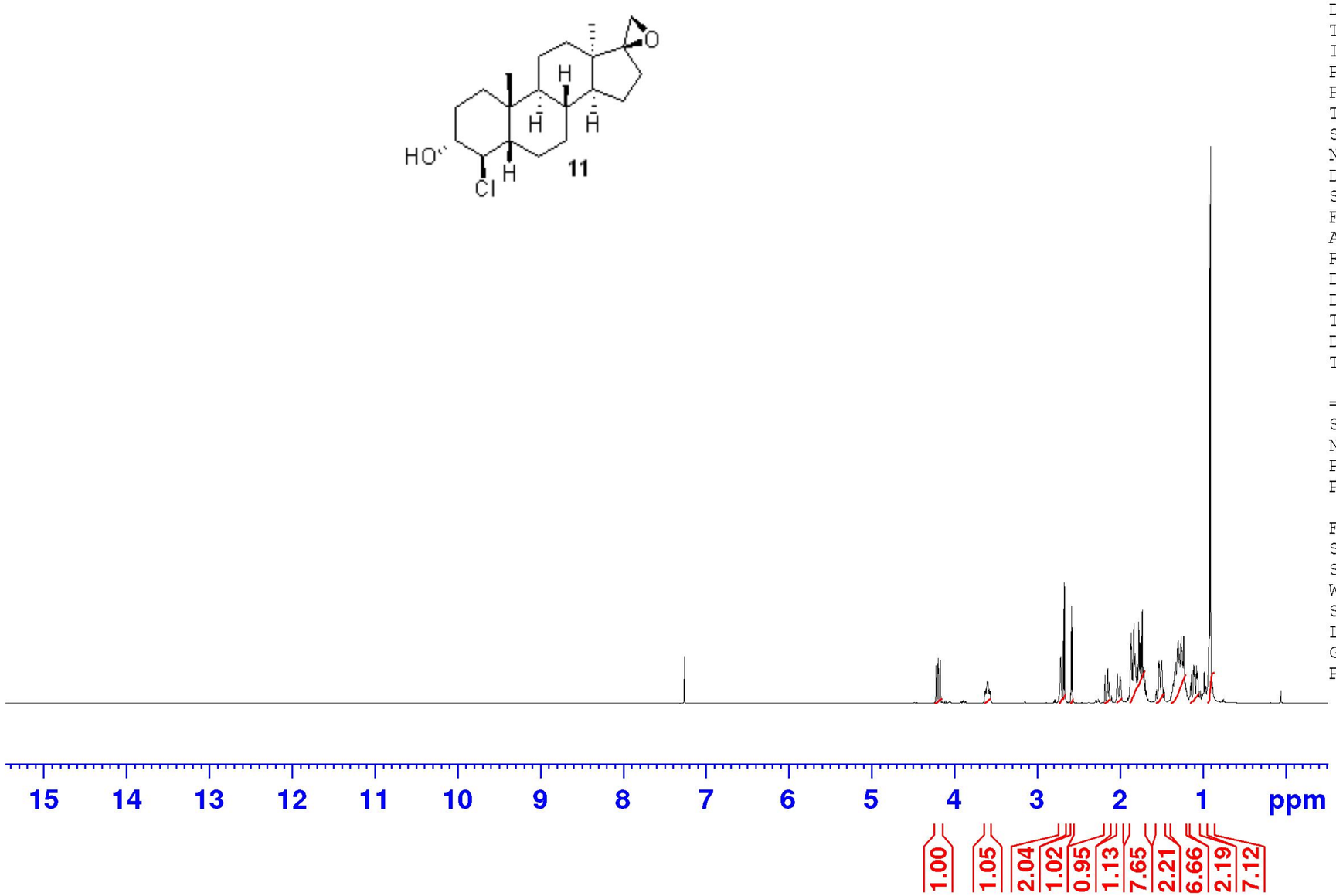

```
Current Data Parameters
NAME            NK-324-4
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160930
Time                4.00
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                 295.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                  13C
P1                 9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                   1H
CPDPRG[2         waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127594 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```




```
Current Data Parameters
NAME            NK-319-1
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160926
Time               17.04
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 31.52
DW                78.200 usec
DE                  6.50 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
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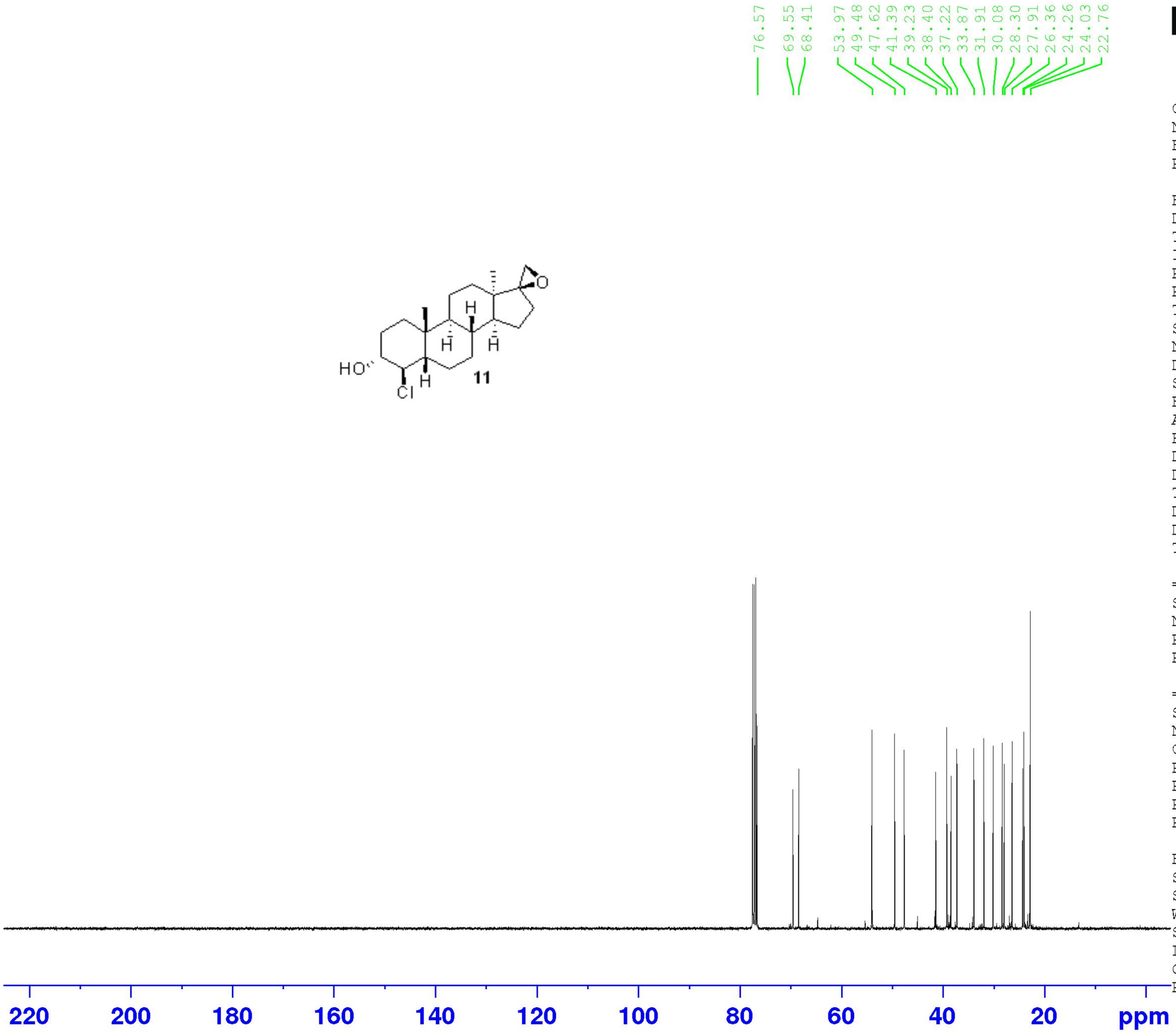


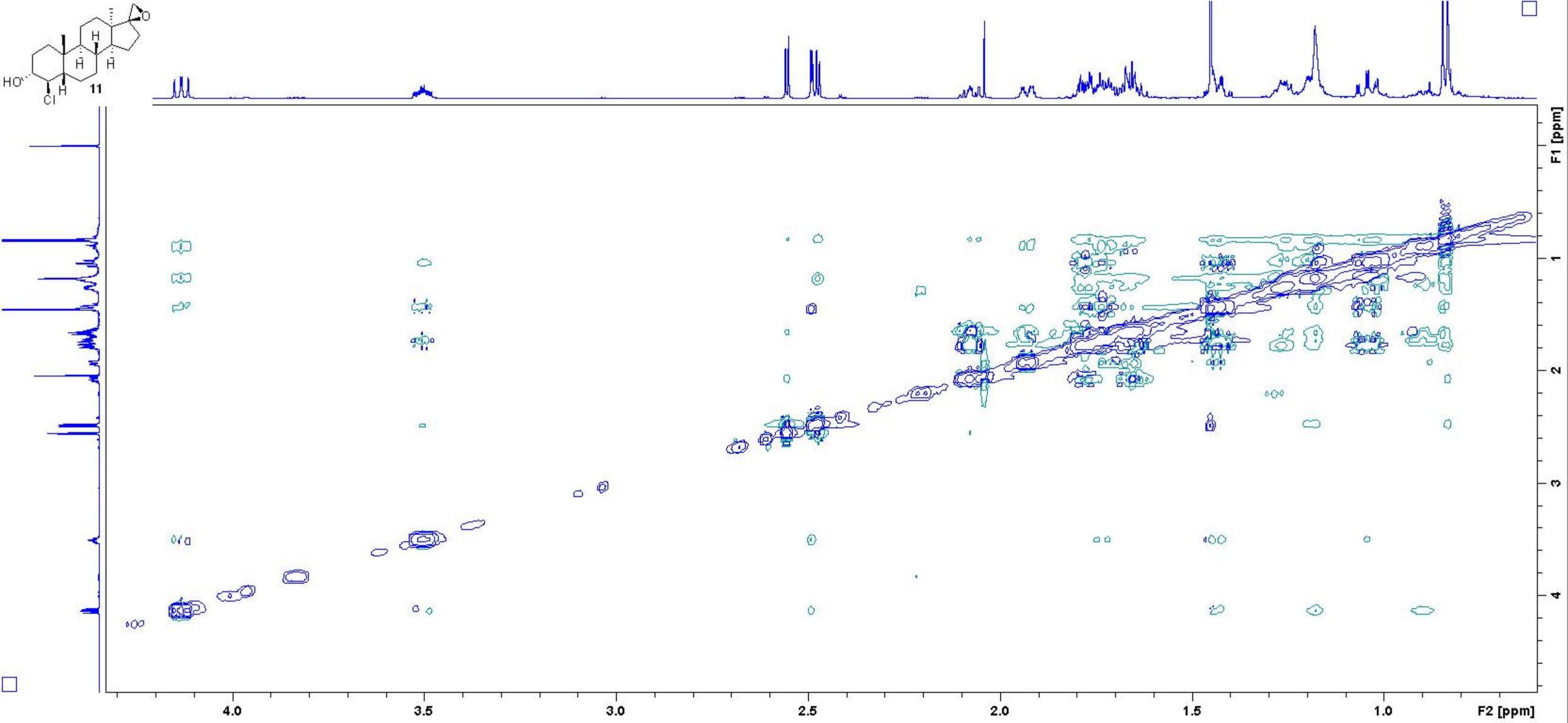
Current Data Parameters
NAME NK-319-1
EXPNO 2
PROCNO 1

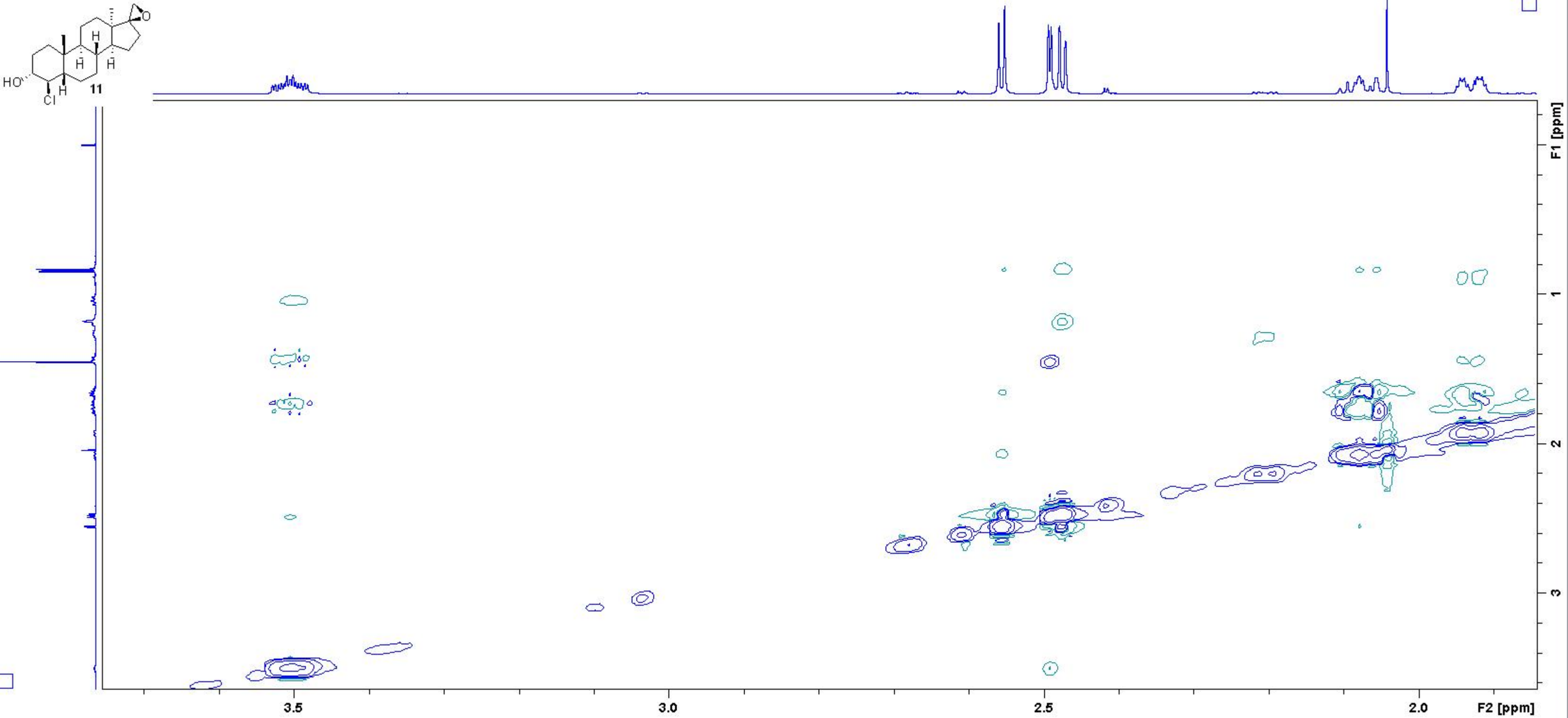
F2 - Acquisition Parameters
Date_ 20160927
Time 4.58
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 295.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

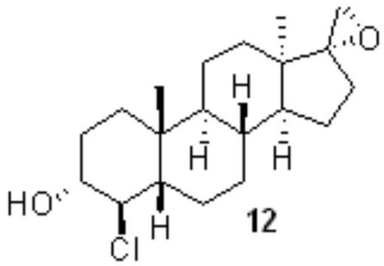
======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

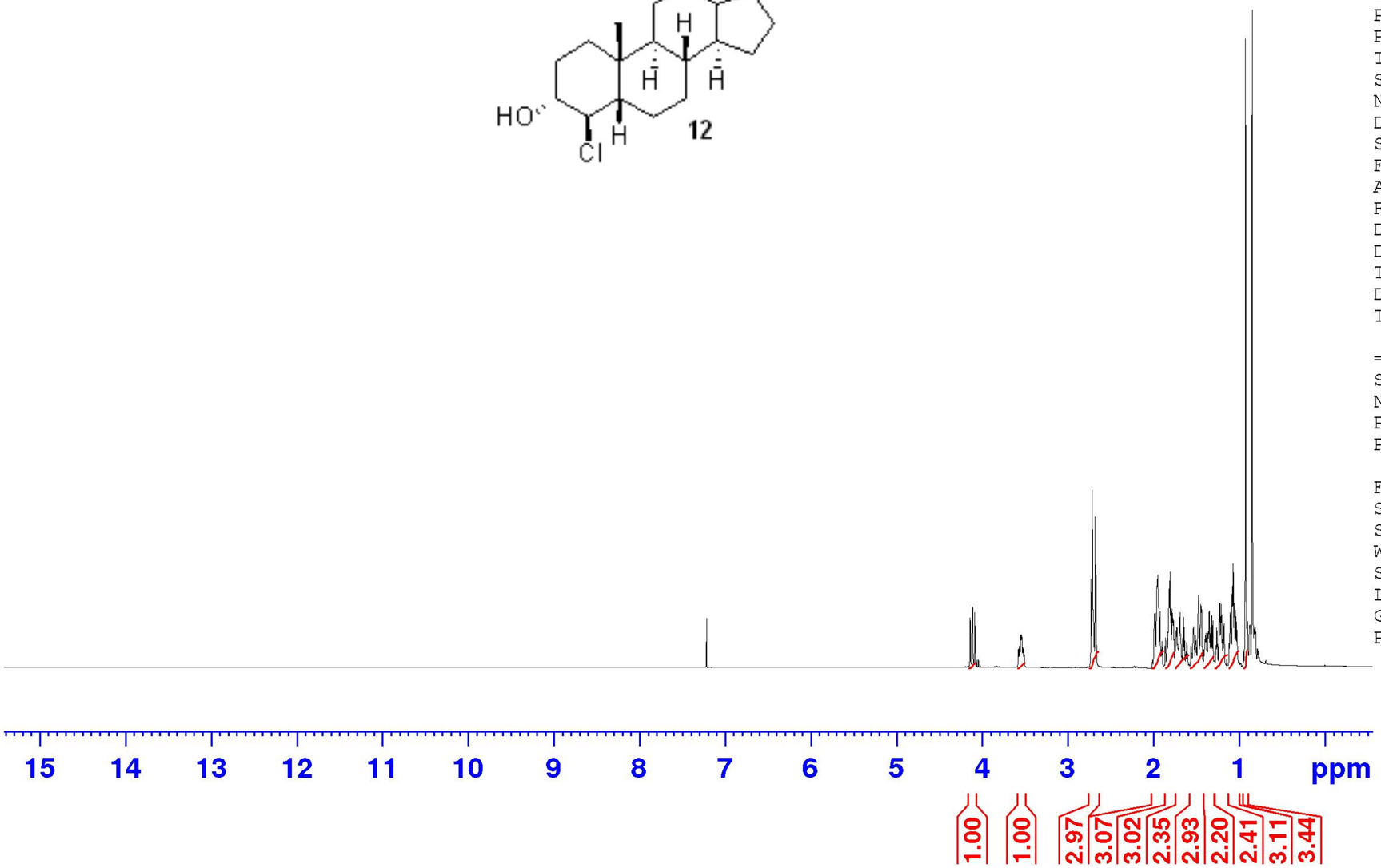
======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127589 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40


HO
Cl
H
H
H
H
O
11
F1 [ppm]
F2 [ppm]
4.0
3.5
3.0
2.5
2.0
1.5
1.0
1
2
3
4


HO
Cl
H
H
H
H
O
11
F1 [ppm]
1
2
3
3.5
3.0
2.5
2.0
F2 [ppm]



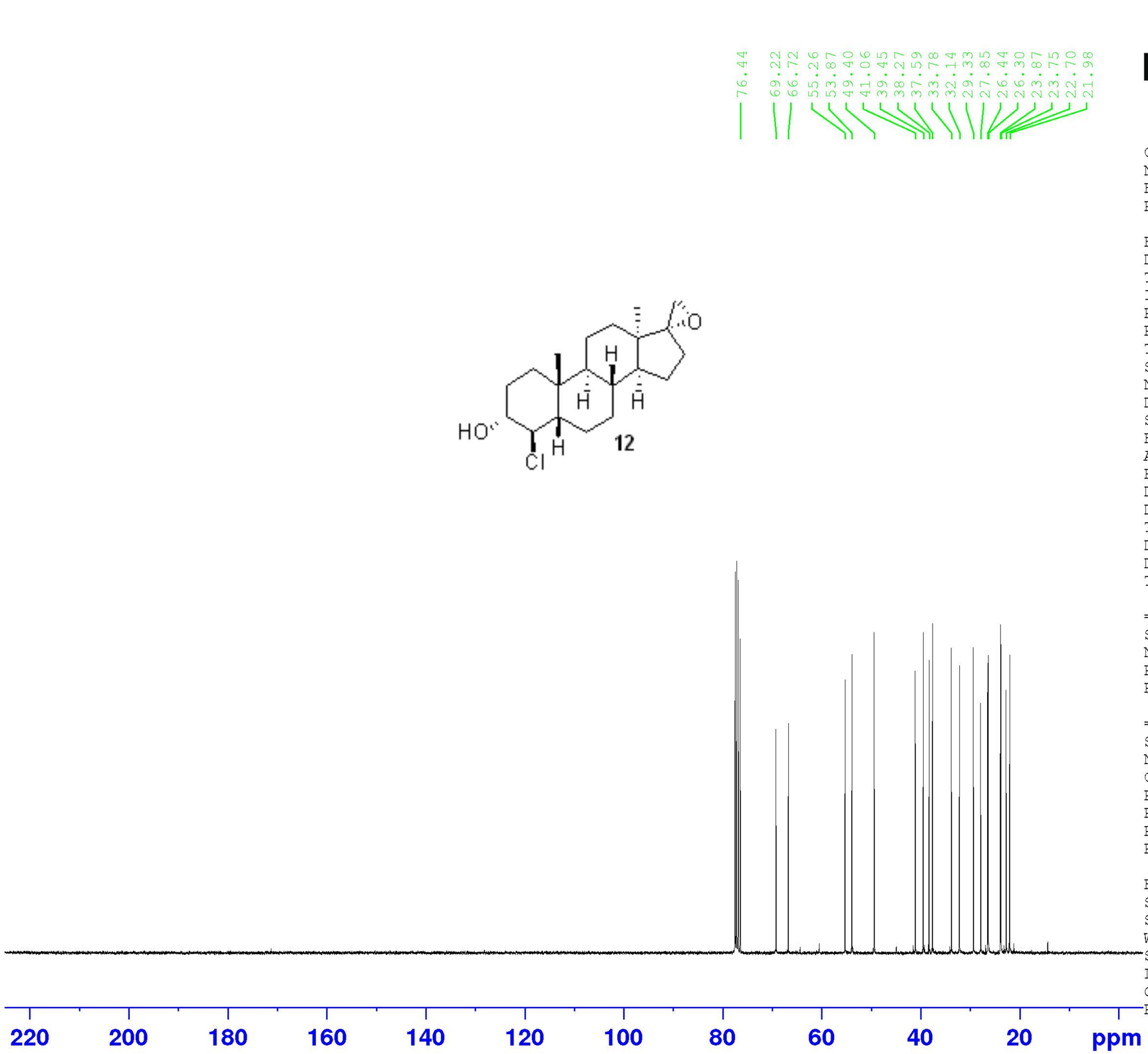



```
Current Data Parameters
NAME            NK-319-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160926
Time               17.00
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 27.78
DW                78.200 usec
DE                  6.50 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300278 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



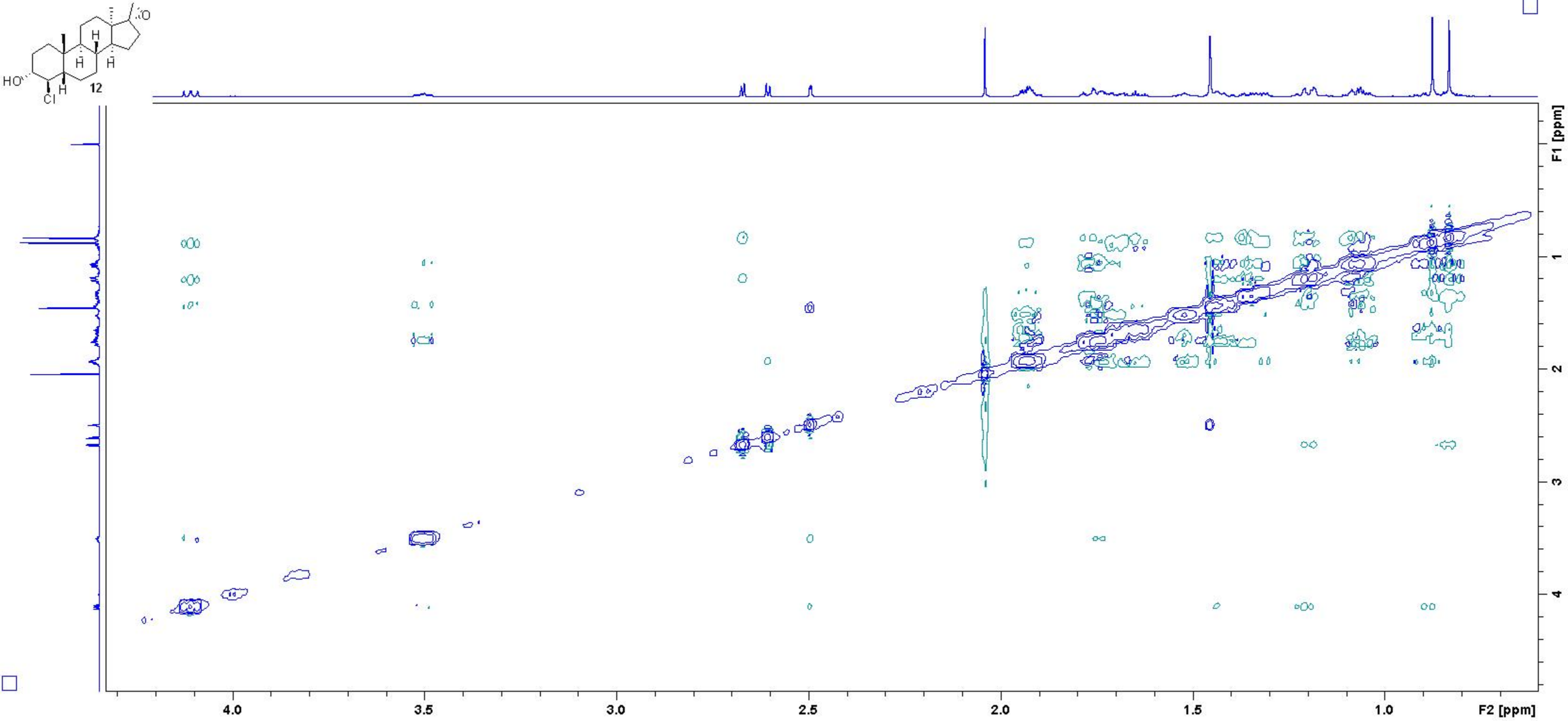

```
Current Data Parameters
NAME            NK-319-2
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20160927
Time                3.55
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                295.0 K
D1           2.00000000 sec
D11          0.03000000 sec
TD0                   1

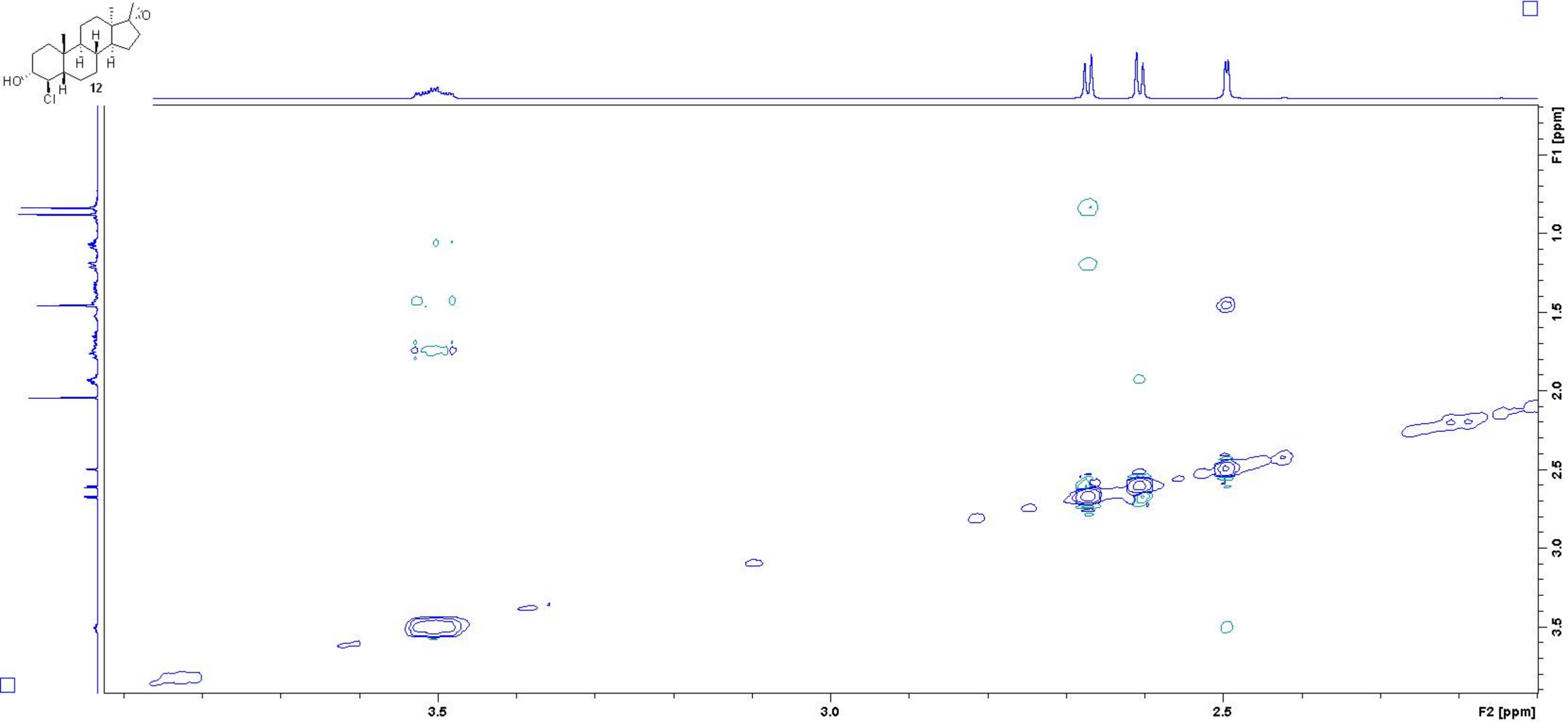
======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                9.00 usec
PLW1        75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2            90.00 usec
PLW2         0.18770000 W
PLW12        0.18770000 W
PLW13        0.15204000 W

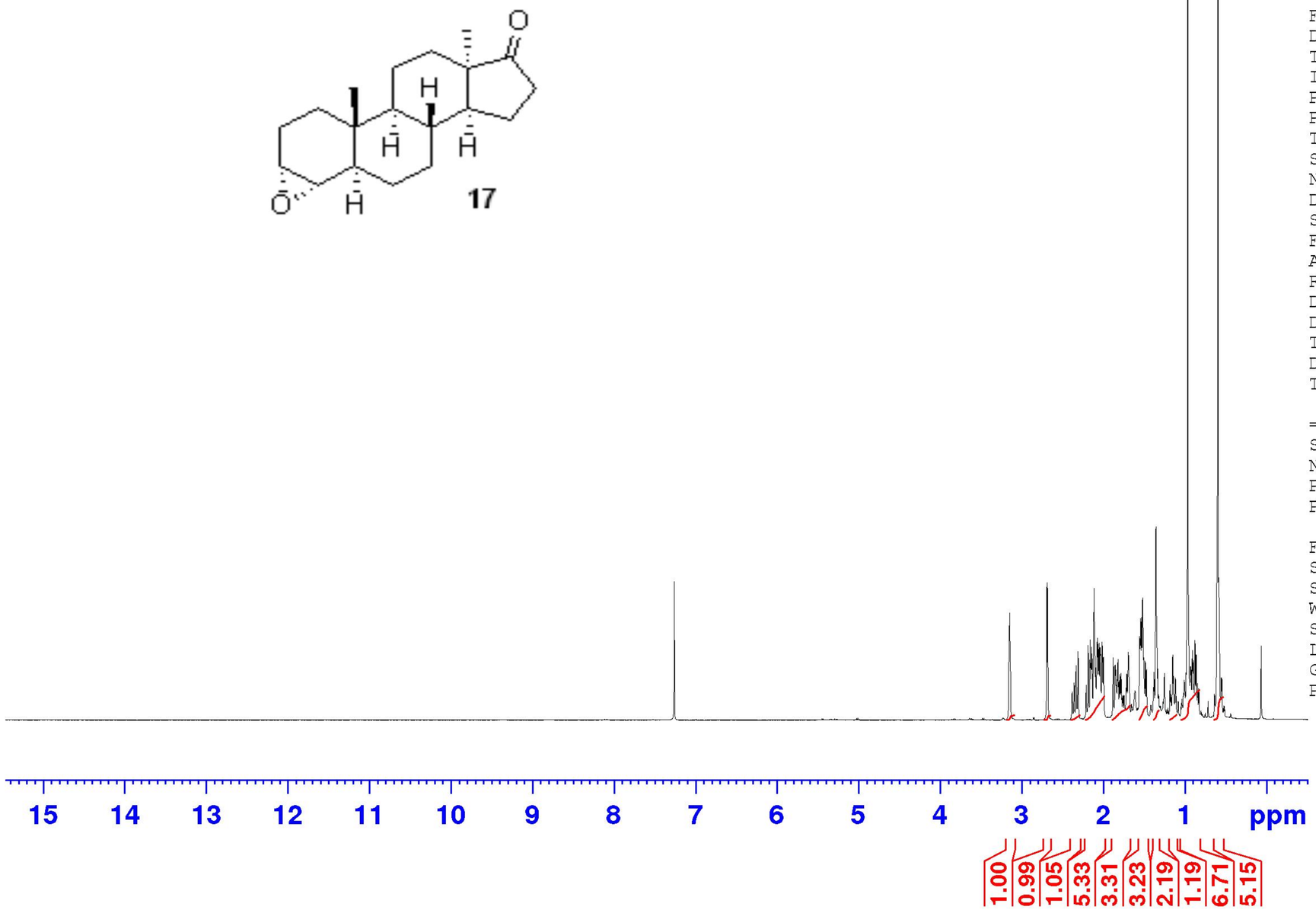
F2 - Processing parameters
SI                 32768
SF          100.6127609 MHz
WDW                   EM
SSB      0
LB                1.00 Hz
GB       0
PC                1.40
```



HO
Cl
H
H
H
H
O
12
F1 [ppm]
F2 [ppm]
4.0
3.5
3.0
2.5
2.0
1.5
1.0
1
2
3
4


HO
Cl
H
H
H
H
H
O
12
F1 [ppm]
1.0
1.5
2.0
2.5
3.0
3.5
F2 [ppm]
3.5
3.0
2.5

17

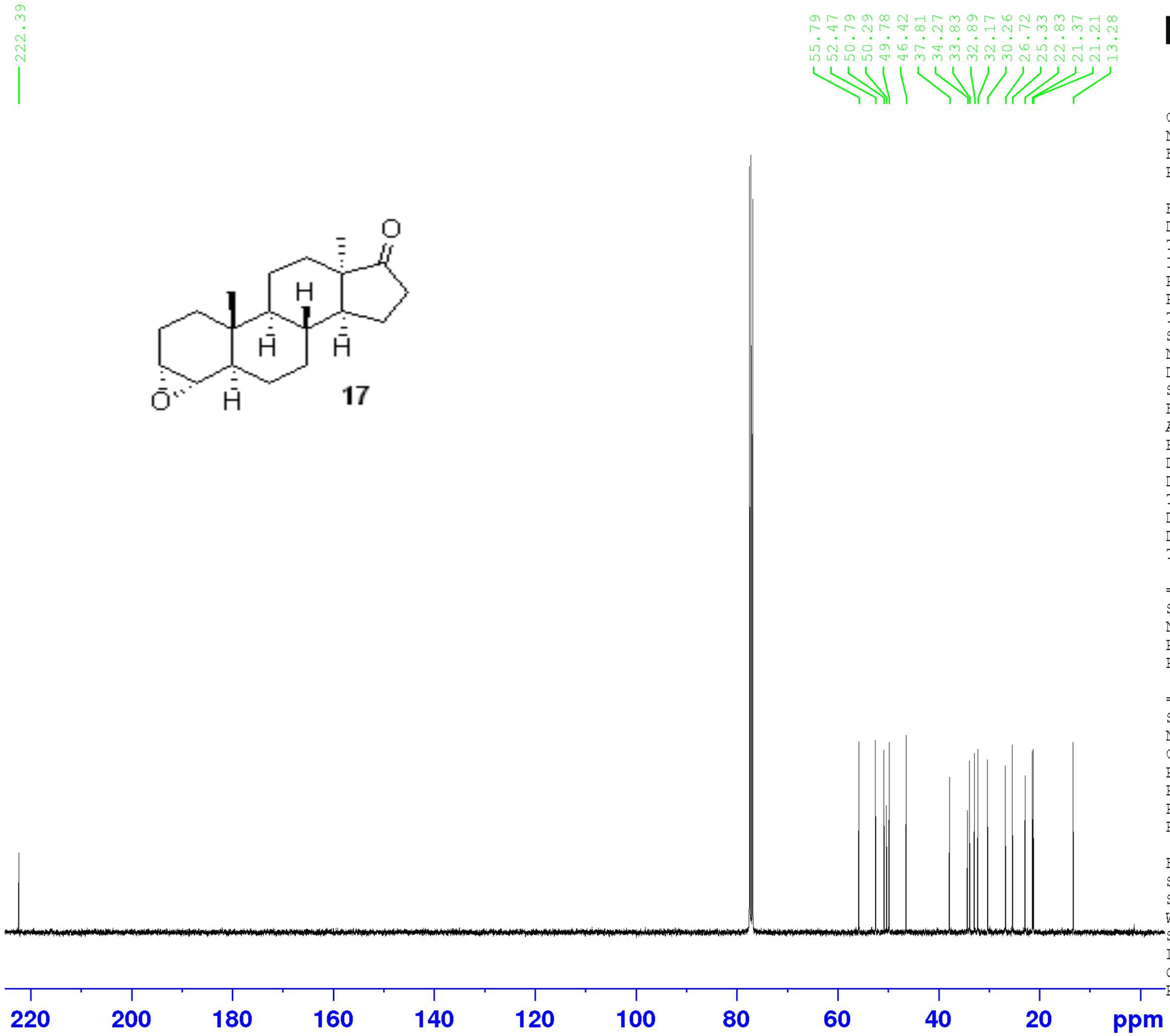



```
Current Data Parameters
NAME            SH-032-1
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170216
Time               18.07
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 97.82
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300095 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



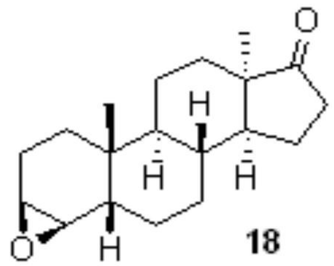
Current Data Parameters
NAME SH-032-1
EXPNO 2
PROCNO 1

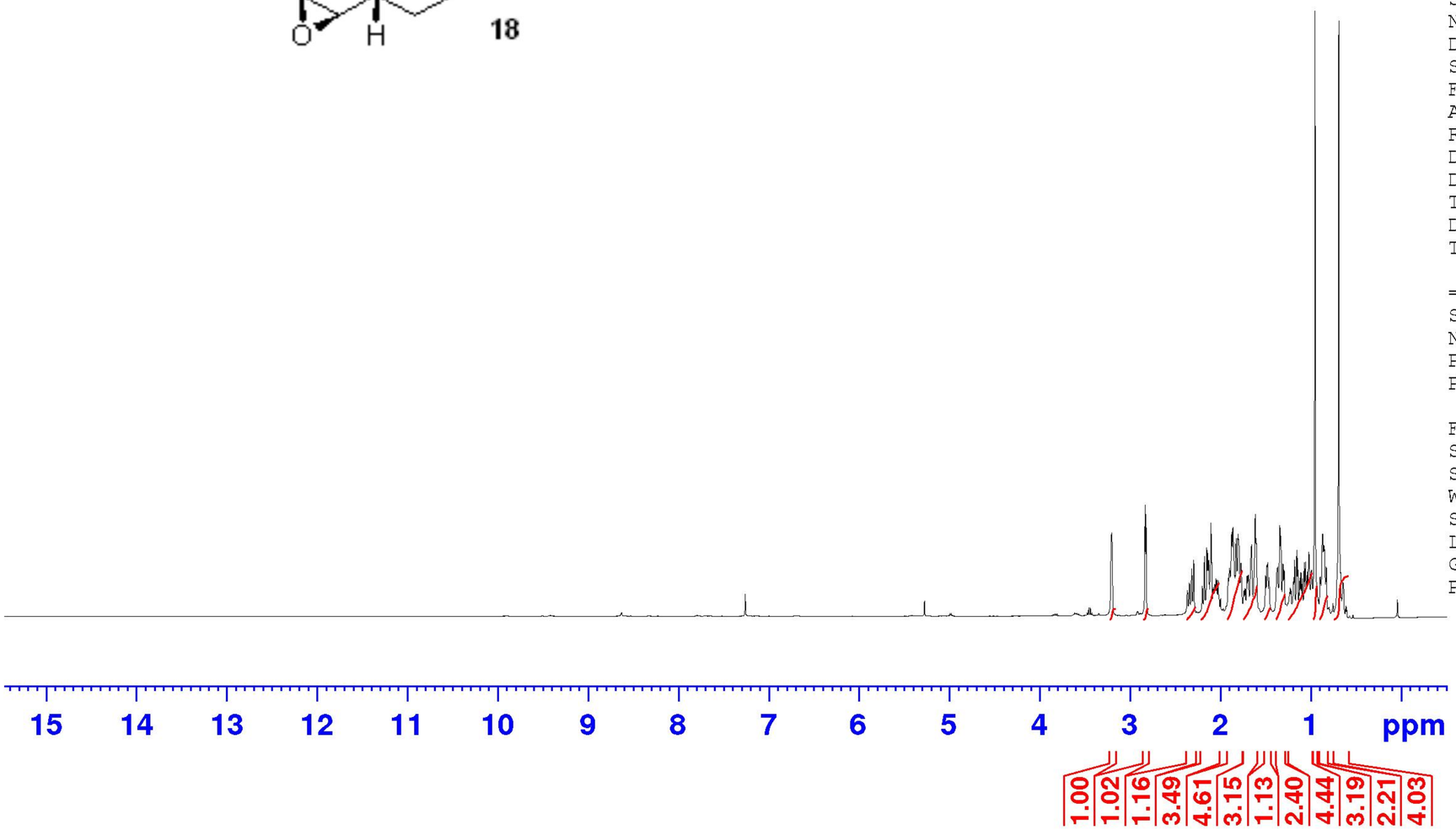
F2 - Acquisition Parameters
Date_ 20170218
Time 3.28
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127560 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



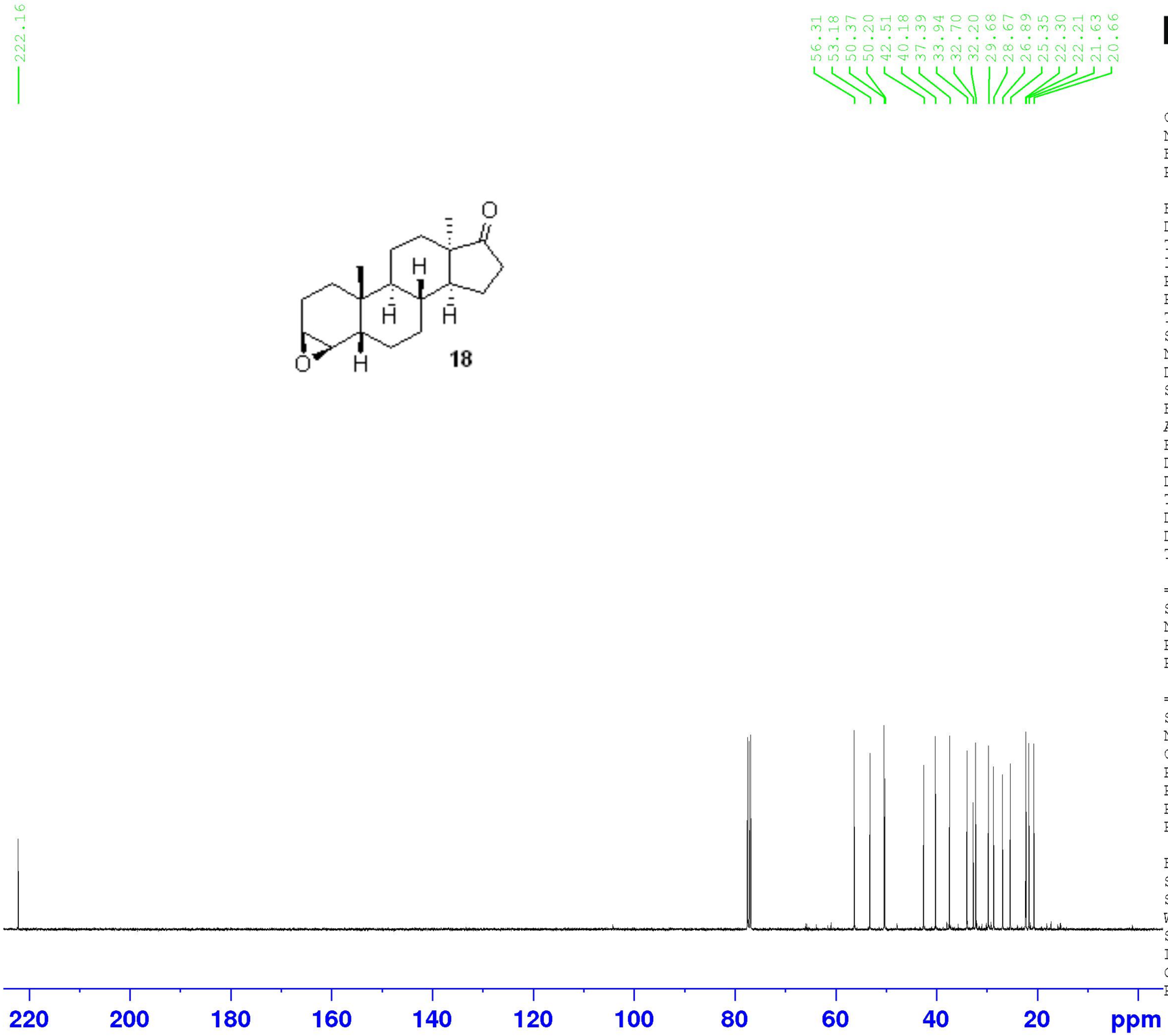



```
Current Data Parameters
NAME            SH-032-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170216
Time               18.23
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 27.78
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300096 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



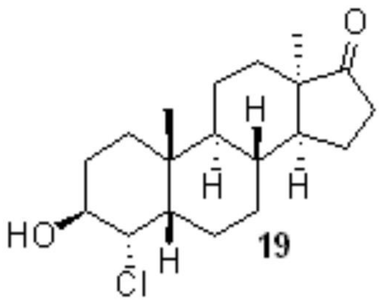
Current Data Parameters
NAME SH-032-2
EXPNO 6
PROCNO 1

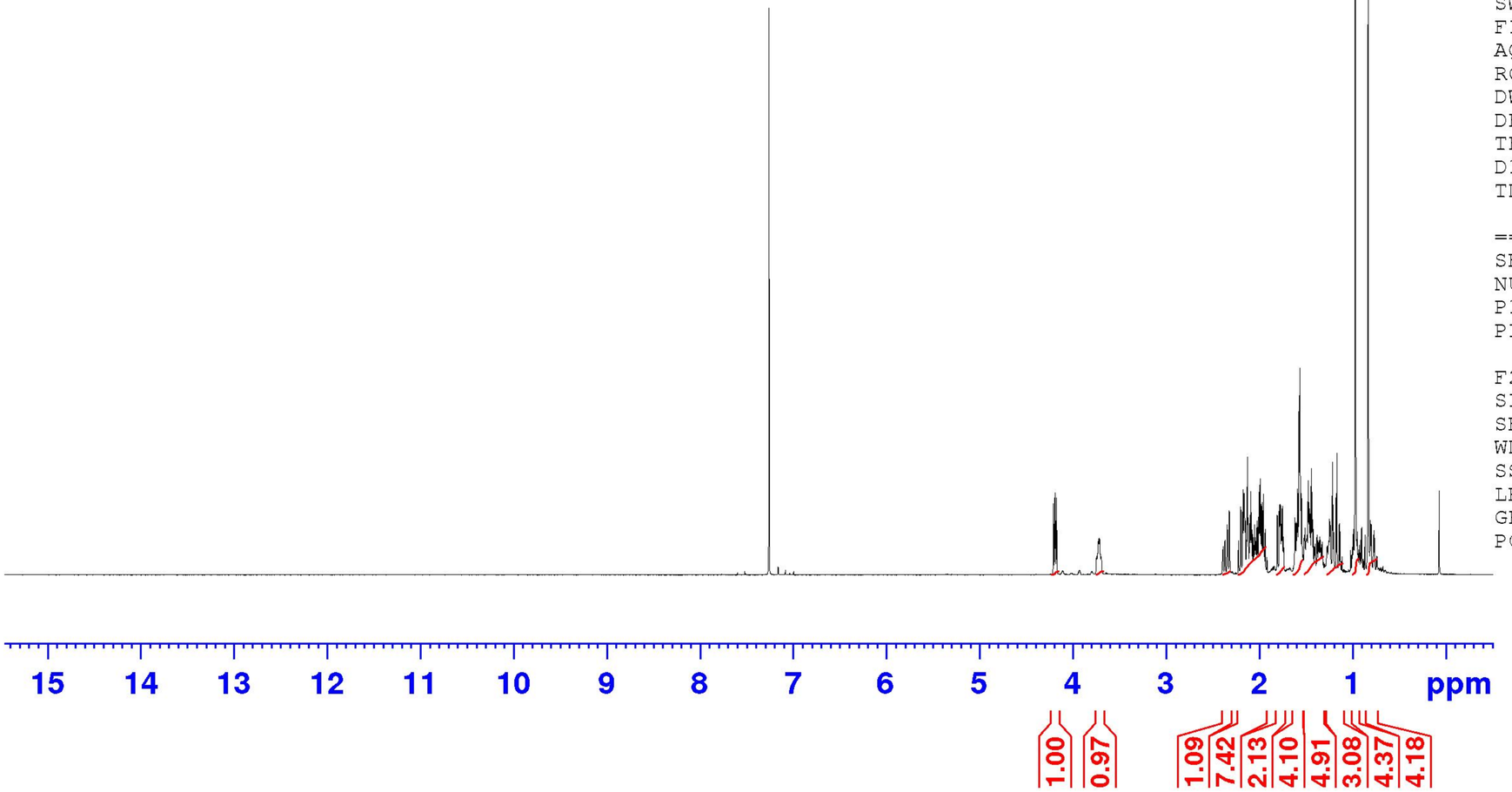
F2 - Acquisition Parameters
Date_ 20170218
Time 5.03
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 512
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127599 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



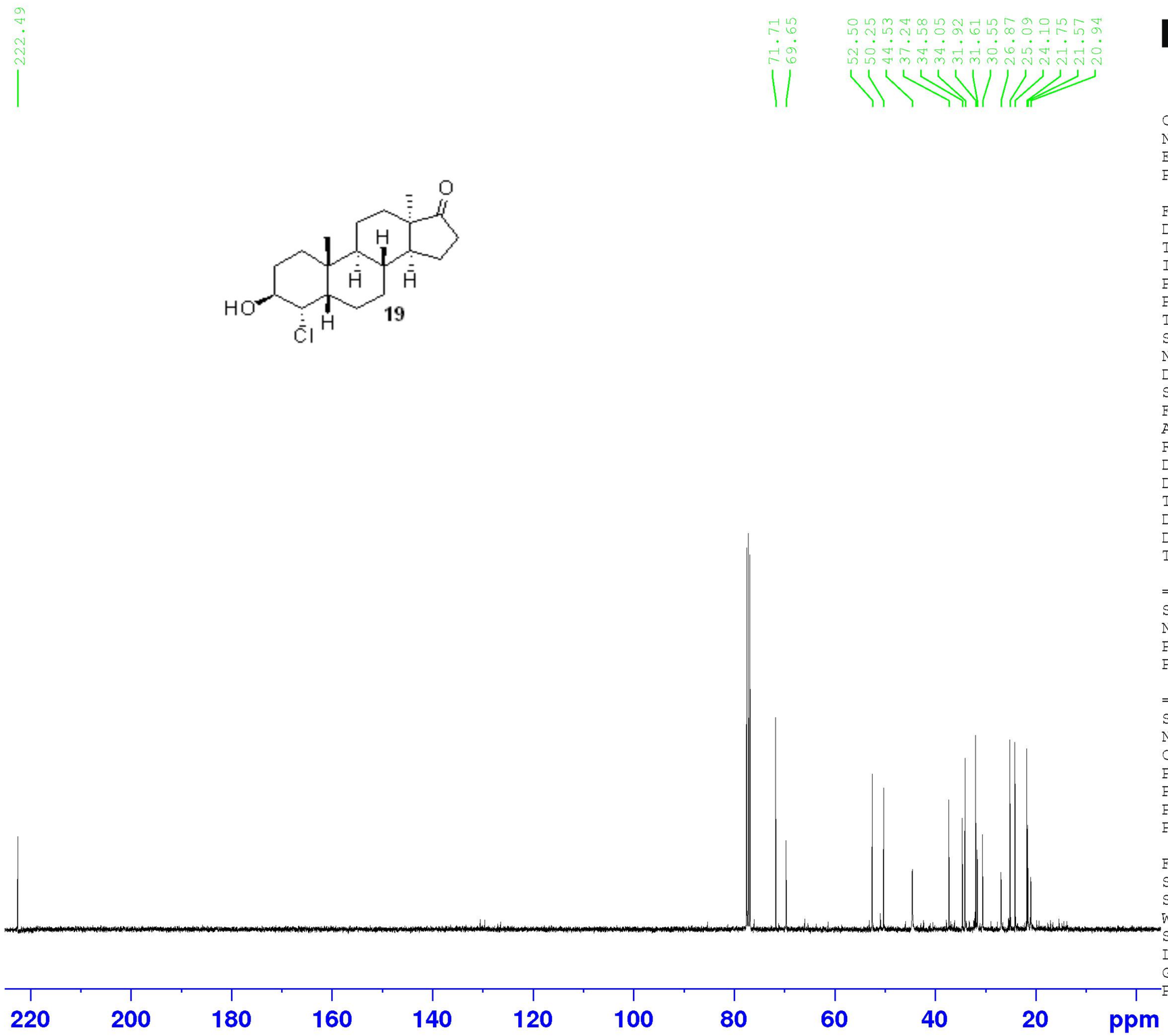



```
Current Data Parameters
NAME            NK-409-5
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170306
Time               15.08
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                201.19
DW                78.200 usec
DE                  6.50 usec
TE                298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300097 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



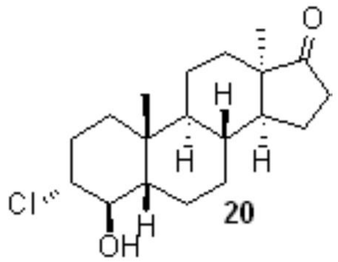

```
Current Data Parameters
NAME            NK-409-2
EXPNO                  2
PROCNO                 1

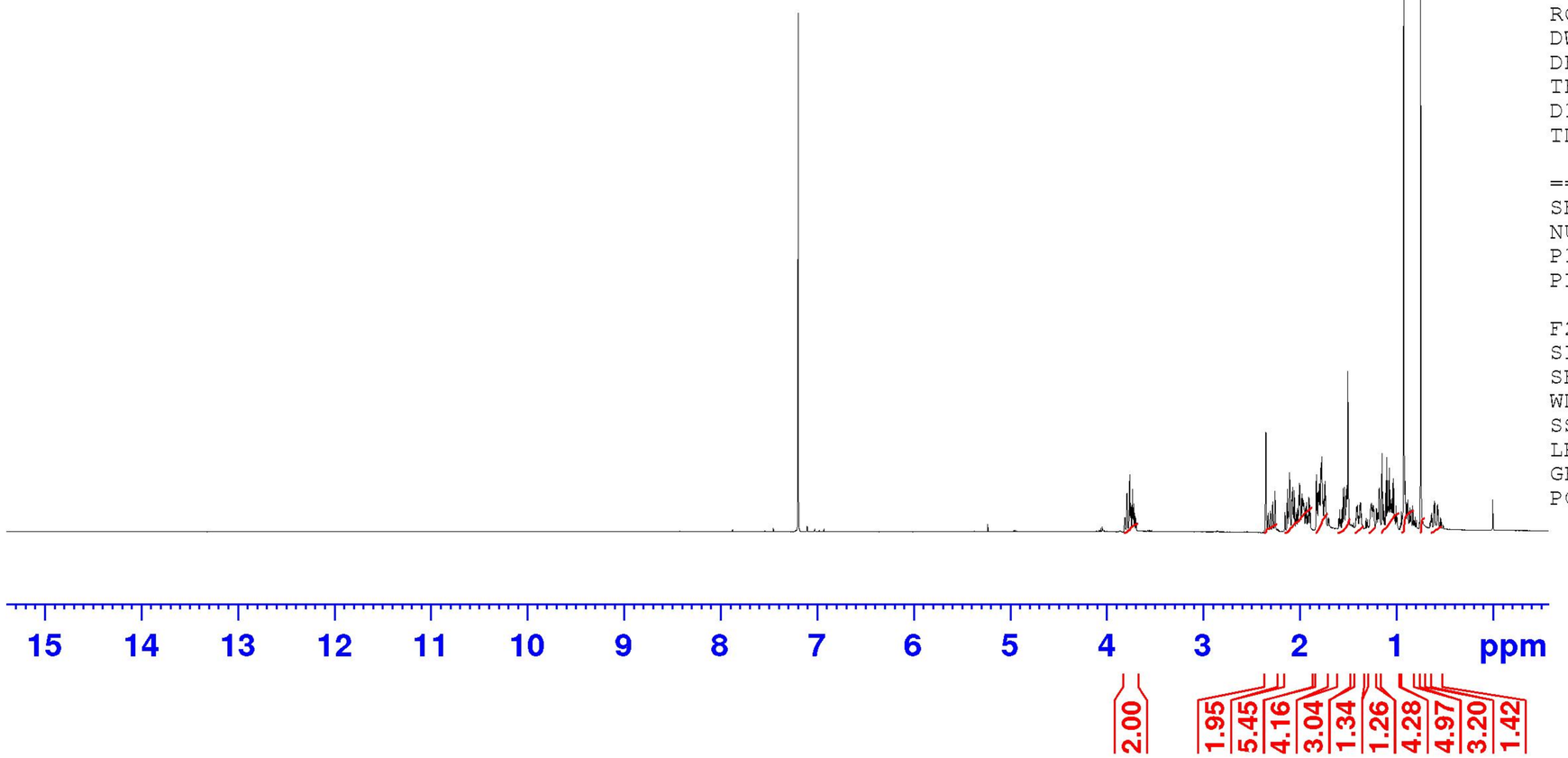
F2 - Acquisition Parameters
Date_           20170301
Time               12.52
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                  333
DS                    4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                298.0 K
D1             2.00000000 sec
D11            0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                  13C
P1                 9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                   1H
CPDPRG[2         waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127588 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```



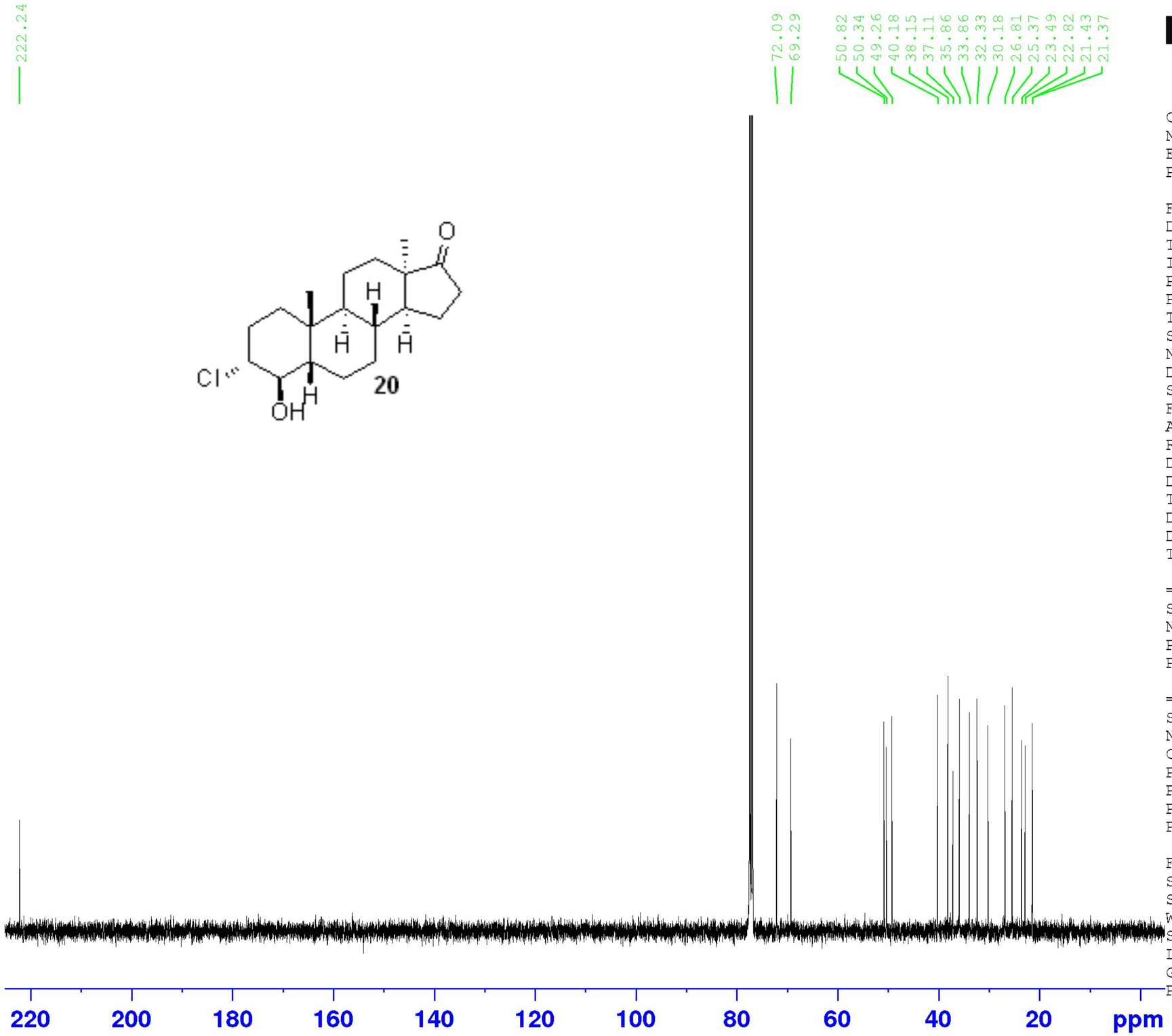



```
Current Data Parameters
NAME            SH-024-3
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170213
Time               18.51
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                201.19
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300360 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



BRUKER

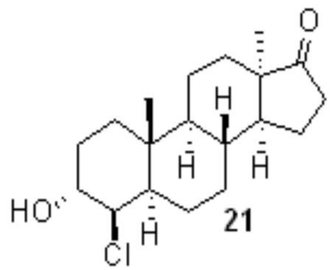
```
Current Data Parameters
NAME            SH-024-3
EXPNO                  2
PROCNO                 1

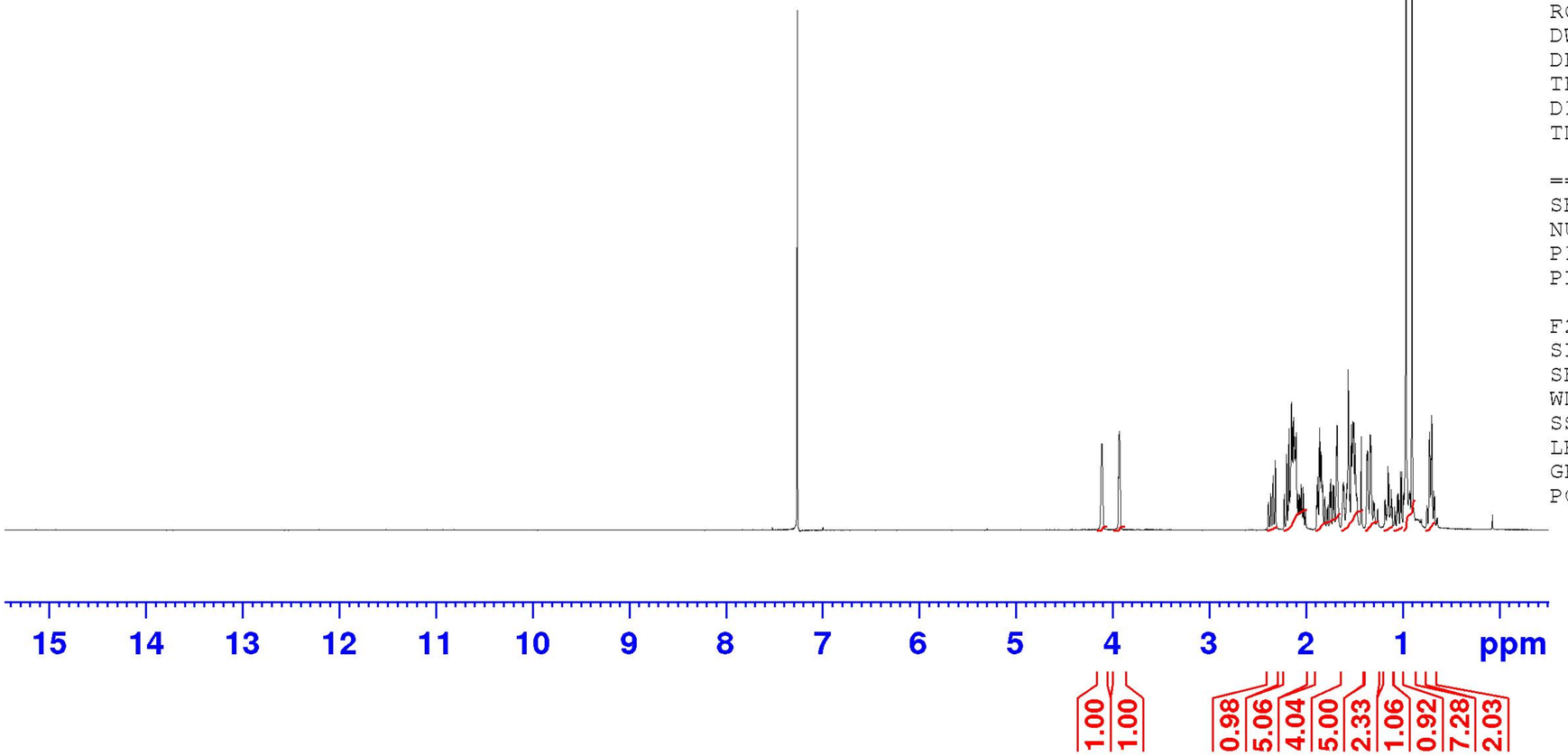
F2 - Acquisition Parameters
Date_           20170214
Time                0.50
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2            90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF          100.6127546 MHz
WDW                   EM
SSB       0
LB                1.00 Hz
GB        0
PC                 1.40
```



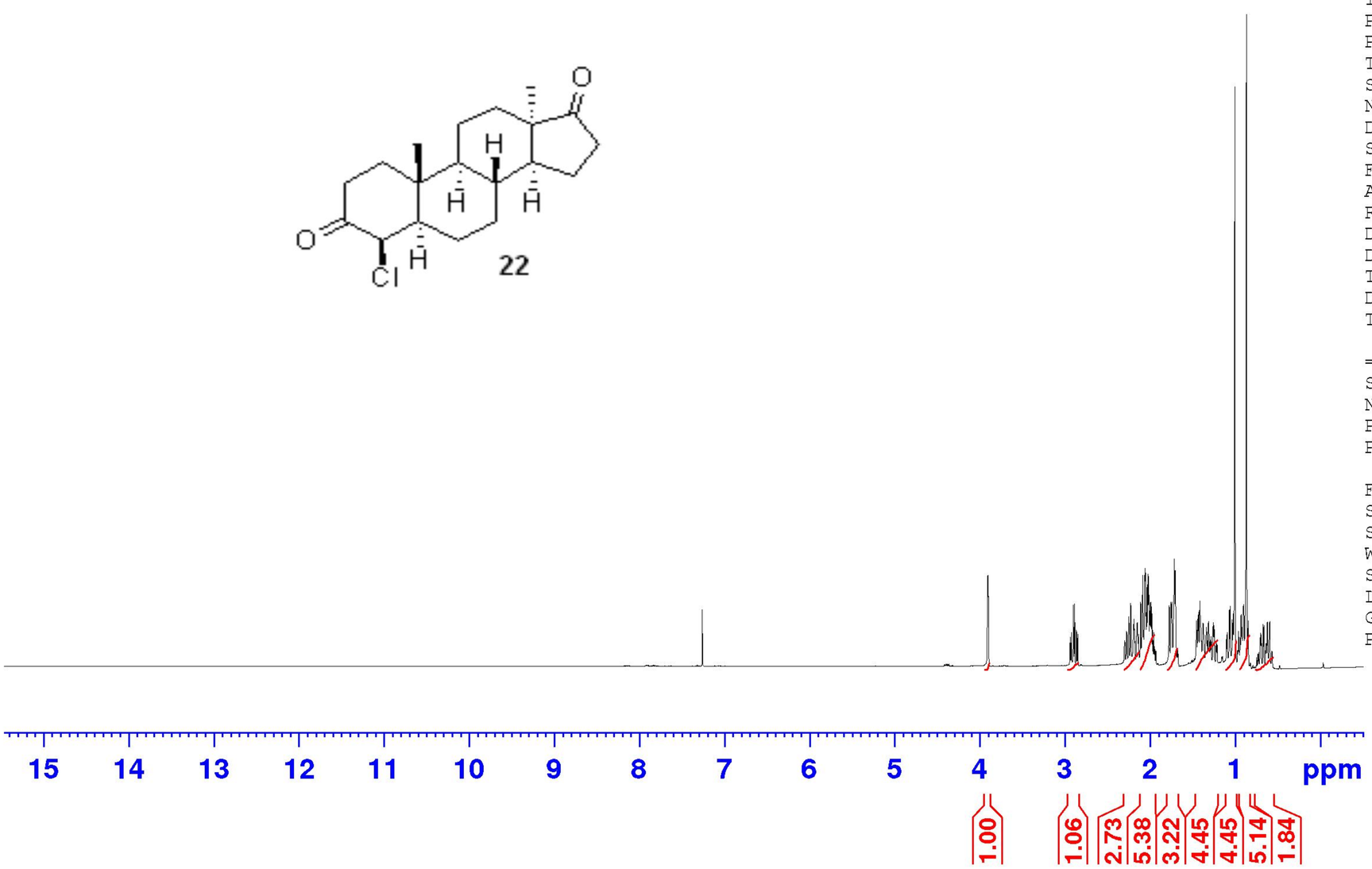



```
Current Data Parameters
NAME            SH-029-1
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170216
Time               11.07
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                201.19
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```

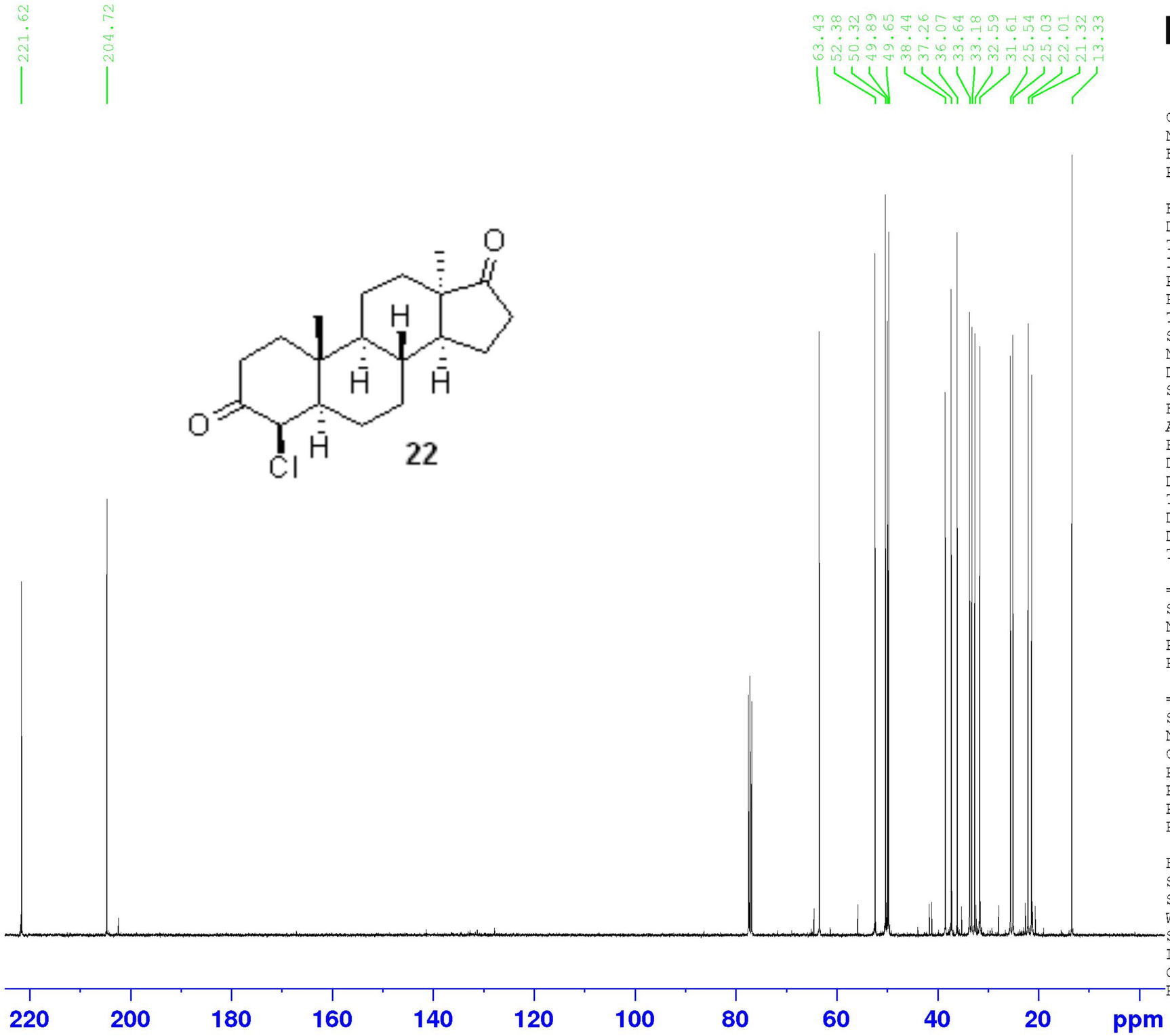



```
Current Data Parameters
NAME            GS-065-1
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170227
Time               18.21
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 11.21
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300090 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



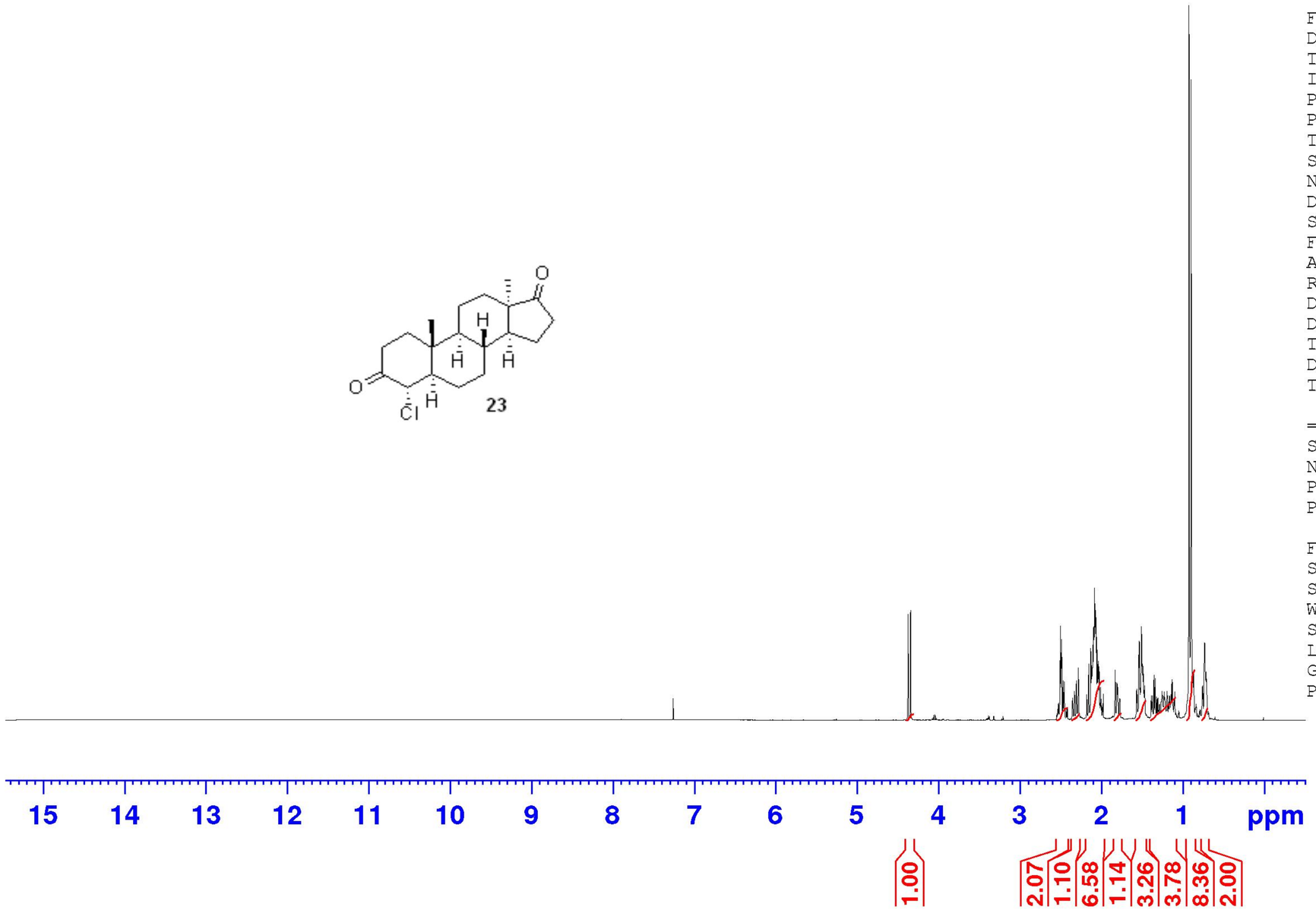
Current Data Parameters
NAME GS-065-1
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170227
Time 22.00
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 512
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127759 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

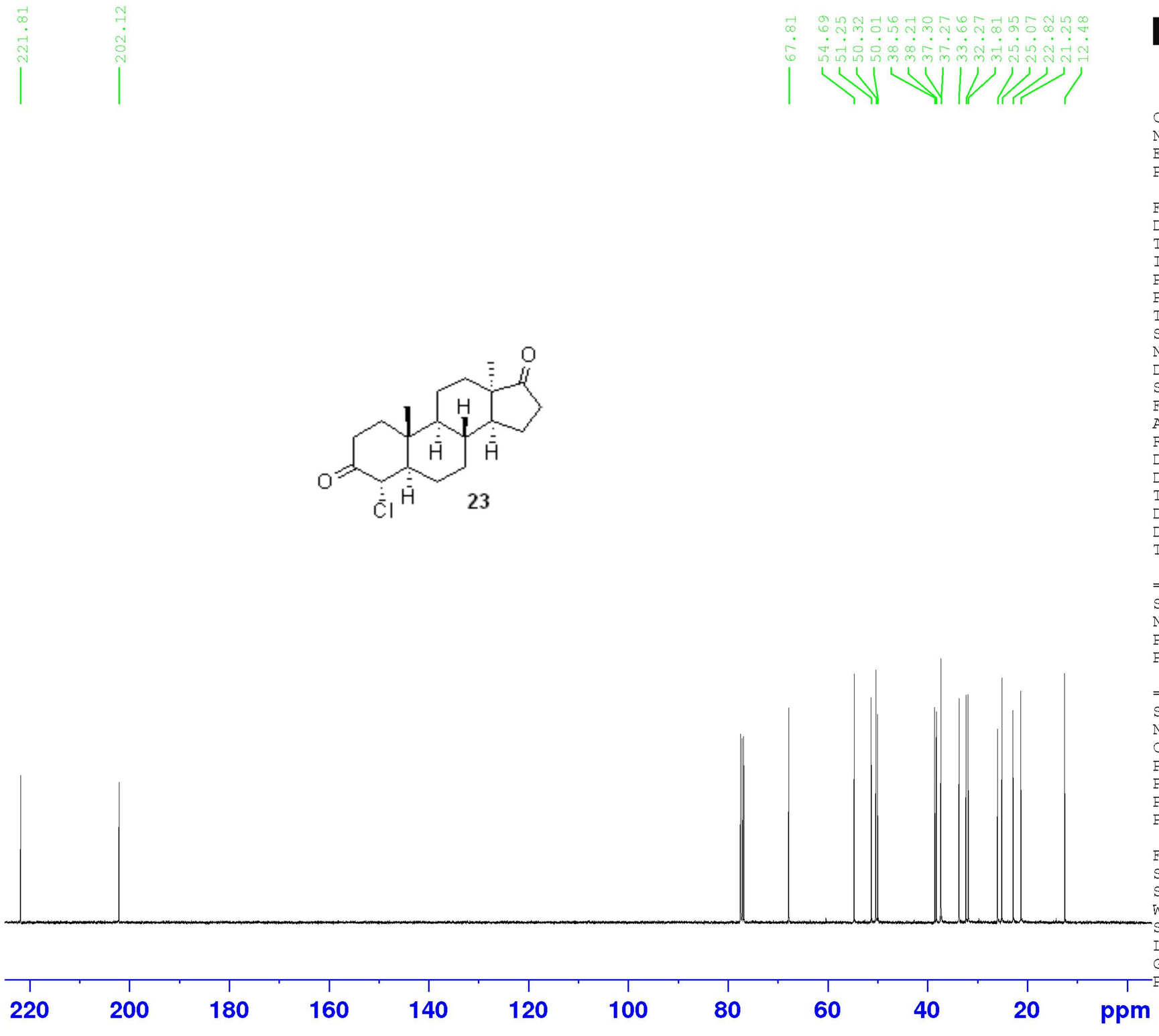



```
Current Data Parameters
NAME                 NK-C13
EXPNO                    36
PROCNO                    1

F2 - Acquisition Parameters
Date_              20170307
Time                  15.43
INSTRUM               spect
PROBHD    5 mm PABBO BB/
PULPROG                zg30
TD                    32768
SOLVENT               CDCl3
NS                       16
DS                        0
SWH                6393.862 Hz
FIDRES             0.195125 Hz
AQ                2.5624576 sec
RG                    19.76
DW                   78.200 usec
DE                     6.50 usec
TE                    298.0 K
D1               1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
SFO1            400.1330010 MHz
NUC1                     1H
P1                     9.75 usec
PLW1            16.00000000 W

F2 - Processing parameters
SI                    16384
SF              400.1300093 MHz
WDW                      EM
SSB         0
LB                    0.30 Hz
GB          0
PC                    1.00
```




```
Current Data Parameters
NAME                 NK-C13
EXPNO                    37
PROCNO                    1

F2 - Acquisition Parameters
Date_             20170307
Time                 16.00
INSTRUM              spect
PROBHD    5 mm PABBO BB/
PULPROG            zgpg30
TD                   65536
SOLVENT              CDCl3
NS                     256
DS                       4
SWH              23148.148 Hz
FIDRES            0.353213 Hz
AQ               1.4155777 sec
RG                  201.19
DW                  21.600 usec
DE                    6.50 usec
TE                   298.0 K
D1               2.00000000 sec
D11              0.03000000 sec
TD0                      1

======== CHANNEL f1 ========
SFO1           100.6238359 MHz
NUC1                   13C
P1                    9.00 usec
PLW1           75.00000000 W

======== CHANNEL f2 ========
SFO2           400.1316005 MHz
NUC2                    1H
CPDPRG[2          waltz16
PCPD2                90.00 usec
PLW2            0.18770000 W
PLW12           0.18770000 W
PLW13           0.15204000 W

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

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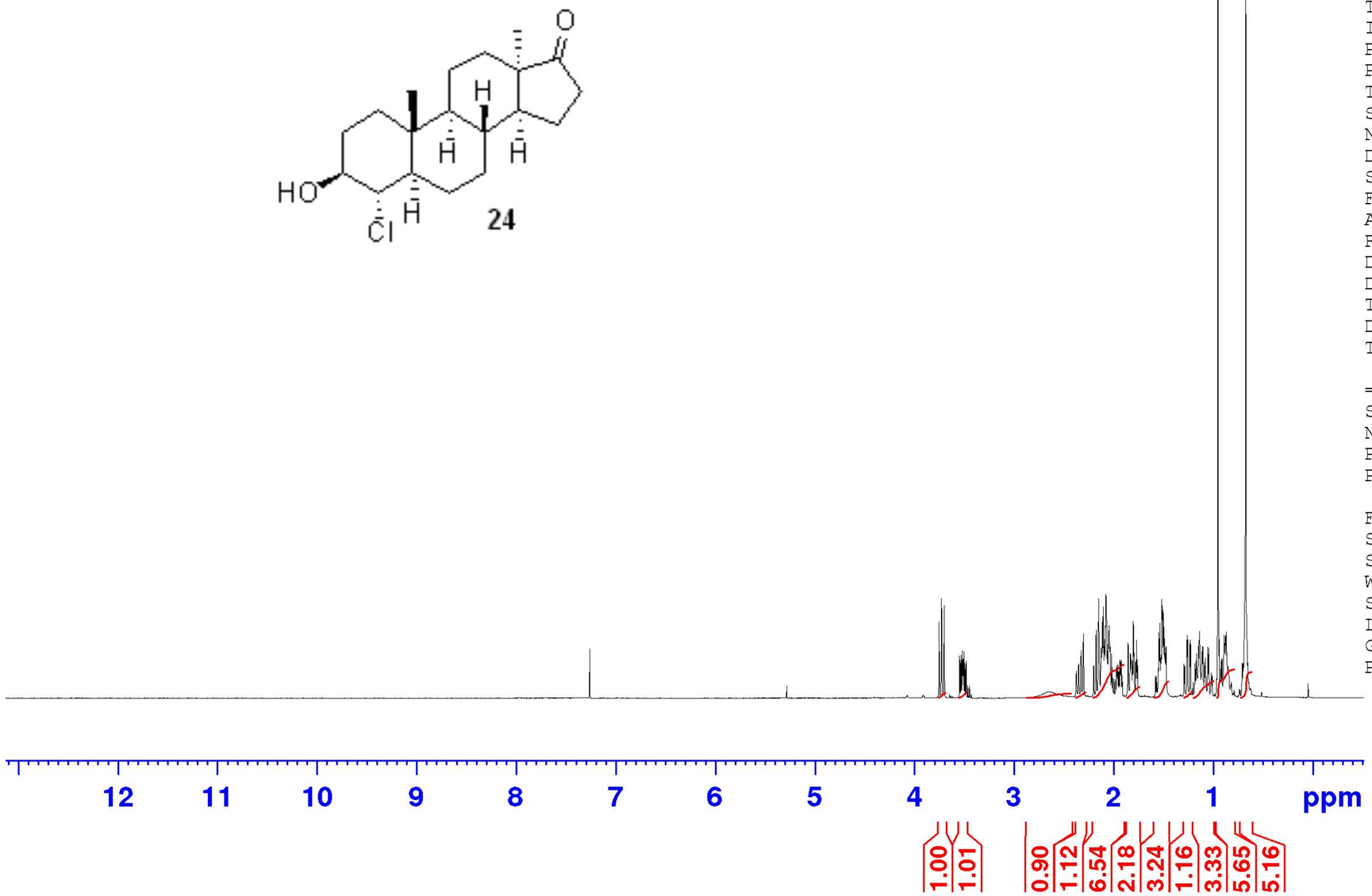
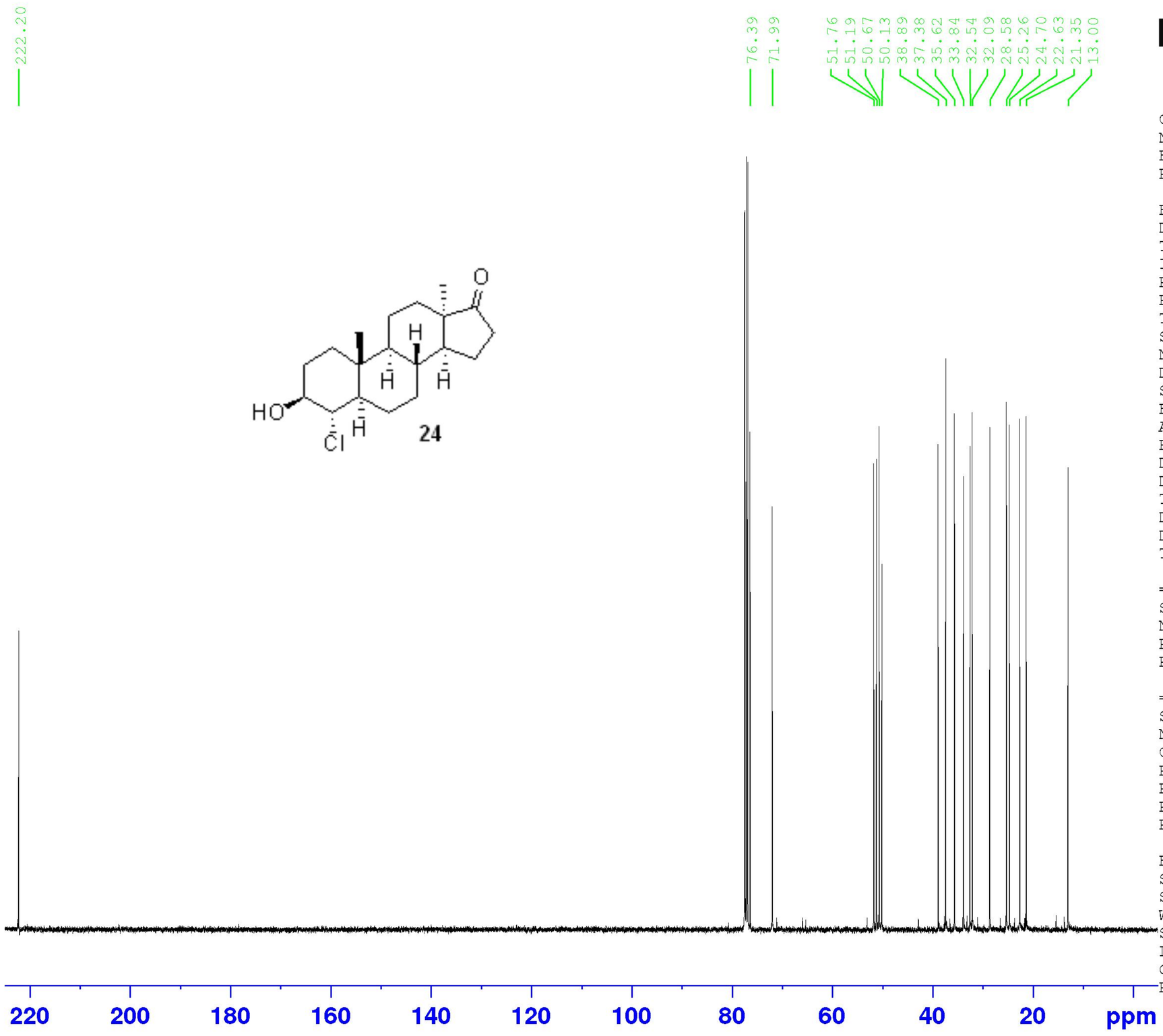



```
Current Data Parameters
NAME            NK-460-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170426
Time               18.47
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 31.52
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300096 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



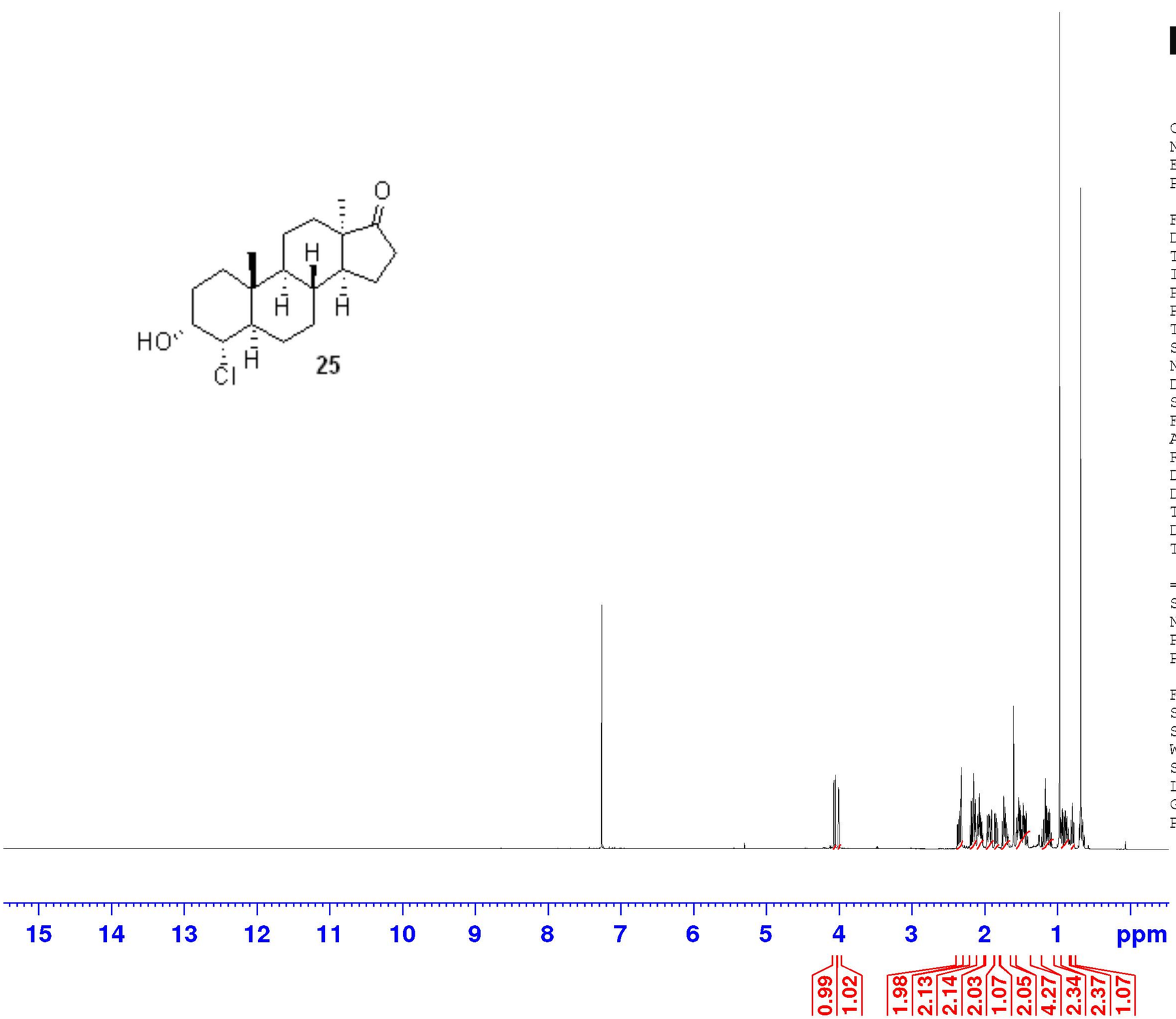

```
Current Data Parameters
NAME            NK-460-2
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170427
Time                0.09
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE               298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                9.00 usec
PLW1        75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2            90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF          100.6127597 MHz
WDW                   EM
SSB       0
LB                1.00 Hz
GB        0
PC                1.40
```

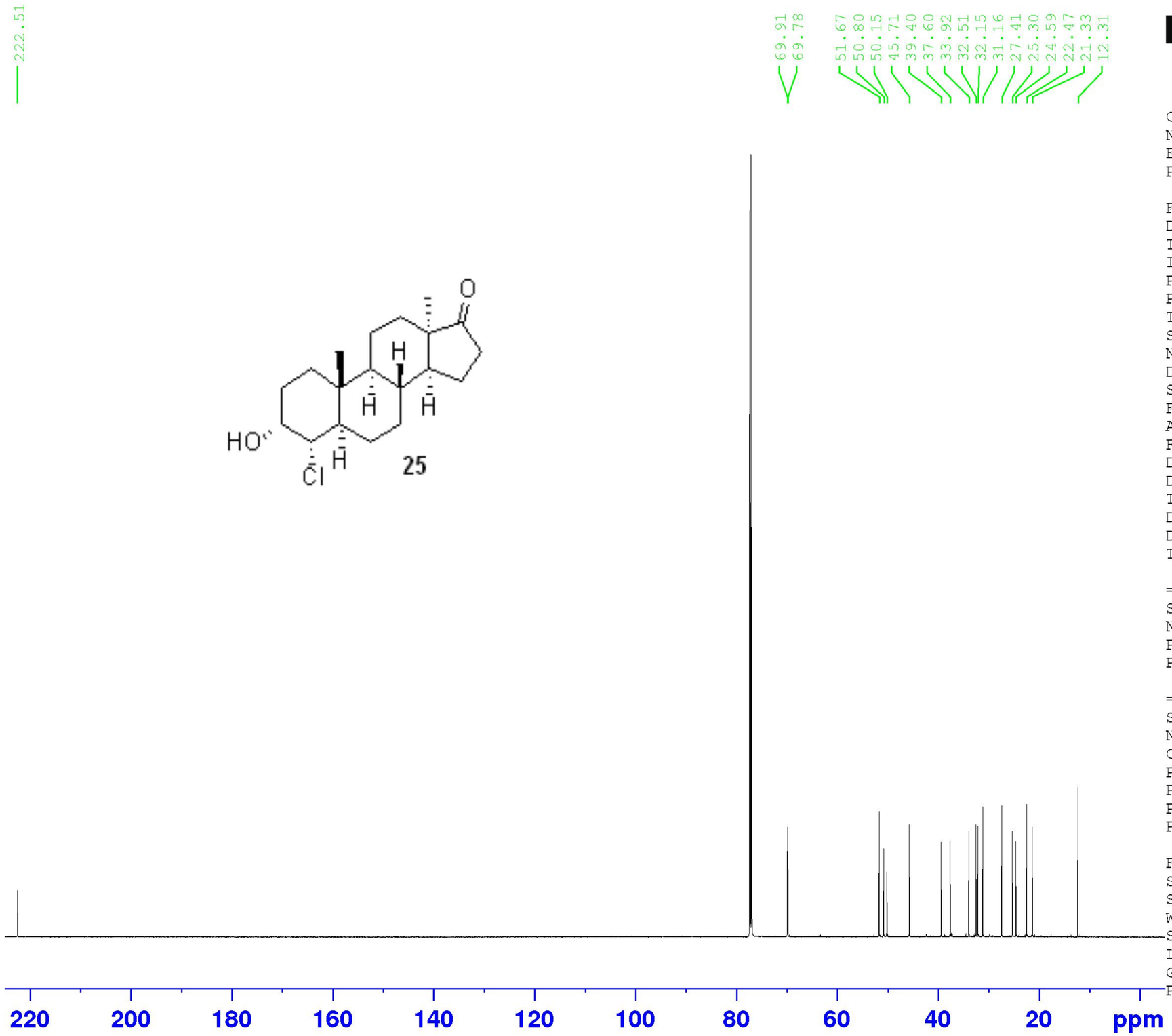



```
Current Data Parameters
NAME            NK-444-2
EXPNO                 10
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170405
Time               16.17
INSTRUM            spect
PROBHD   5 mm CPPBBO BB
PULPROG             zg30
TD                 65536
SOLVENT            CDCl3
NS                    32
DS                     2
SWH             9615.385 Hz
FIDRES          0.146719 Hz
AQ             3.4078720 sec
RG                 87.33
DW                52.000 usec
DE                 28.00 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         600.1545011 MHz
NUC1                  1H
P1                 12.00 usec
PLW1         22.00000000 W

F2 - Processing parameters
SI                 32768
SF           600.1500143 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



Current Data Parameters
NAME NK-444-2
EXPNO 11
PROCNO 1

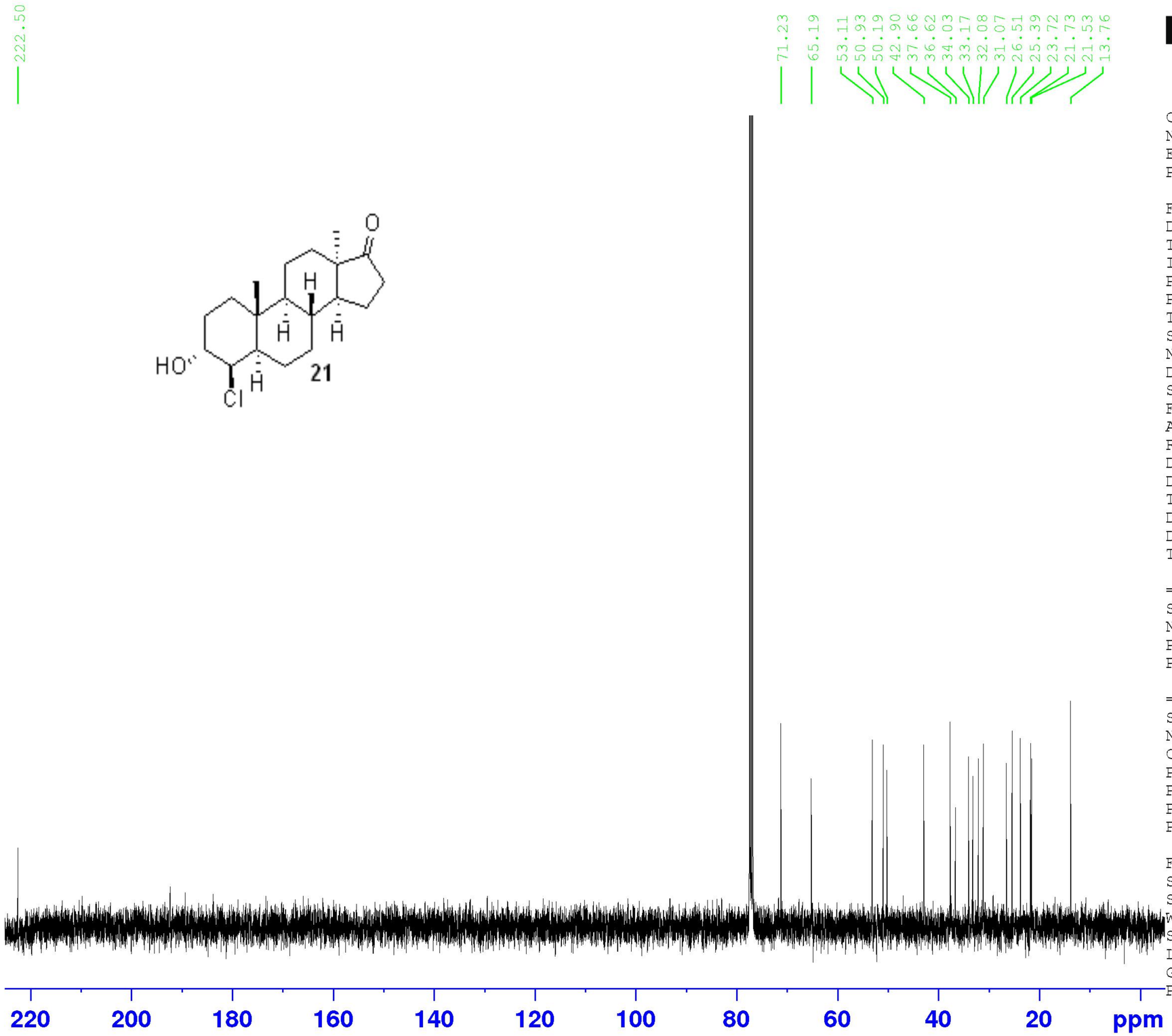
F2 - Acquisition Parameters
Date_ 20170406
Time 5.18
INSTRUM spect
PROBHD 5 mm CPPBBO BB
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 3072
DS 4
SWH 39062.500 Hz
FIDRES 0.596046 Hz
AQ 0.8388608 sec
RG 194.73
DW 12.800 usec
DE 18.00 usec
TE 295.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 150.9259465 MHz
NUC1 13C
P1 10.00 usec
PLW1 58.00000000 W

======== CHANNEL f2 ========
SFO2 600.1524006 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 70.00 usec
PLW2 22.00000000 W
PLW12 0.64652997 W
PLW13 0.31680000 W

F2 - Processing parameters
SI 32768
SF 150.9078200 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

recryst 5x



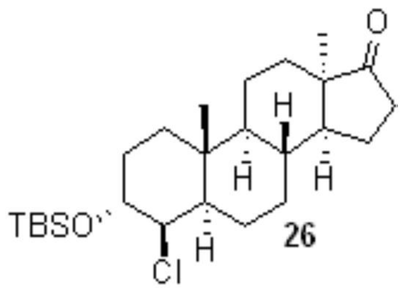

```
Current Data Parameters
NAME            SH-029-1
EXPNO                  2
PROCNO                 1

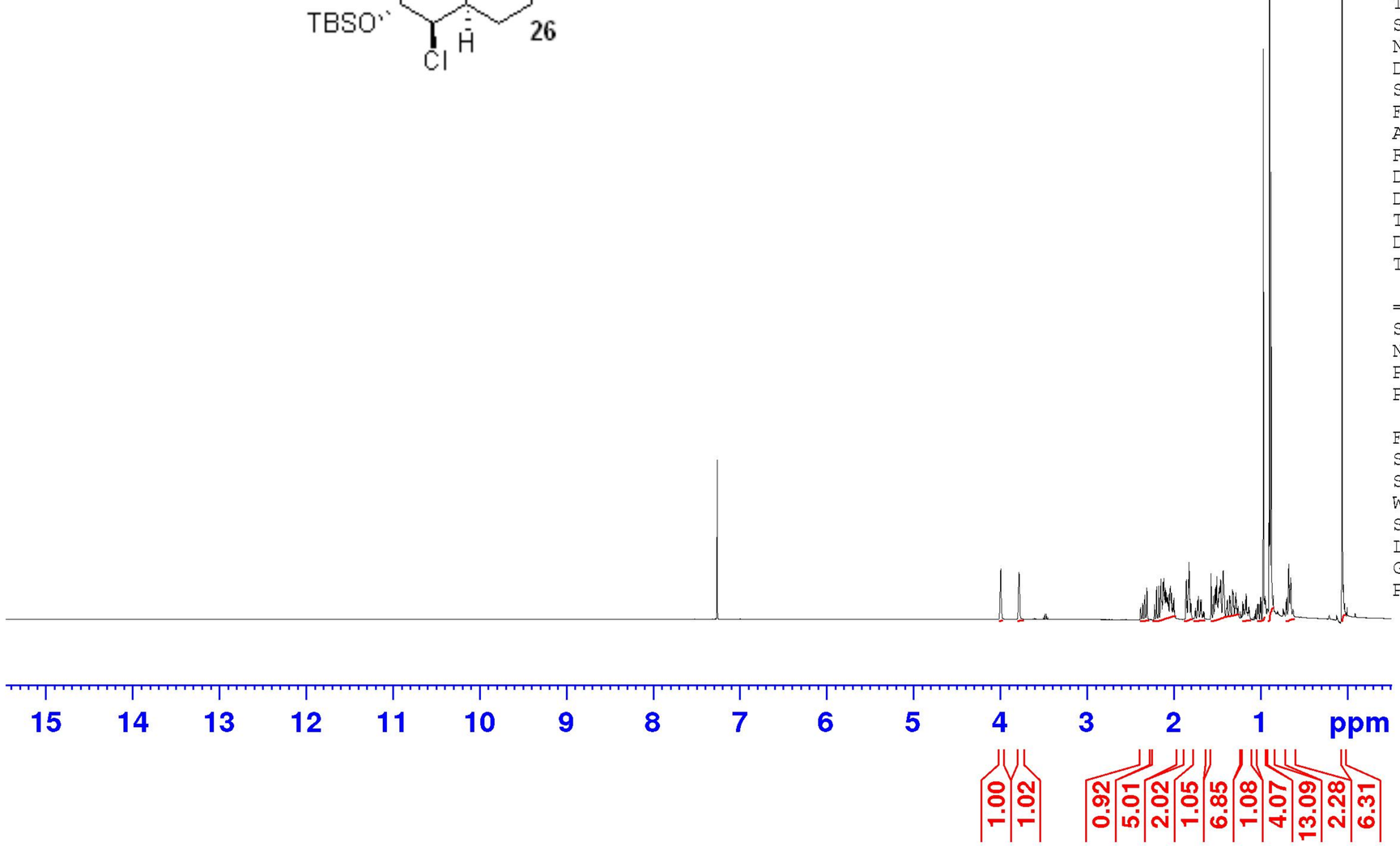
F2 - Acquisition Parameters
Date_           20170216
Time               11.23
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                  250
DS                    4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                298.0 K
D1             2.00000000 sec
D11            0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                 13C
P1                  9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2              90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127576 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```



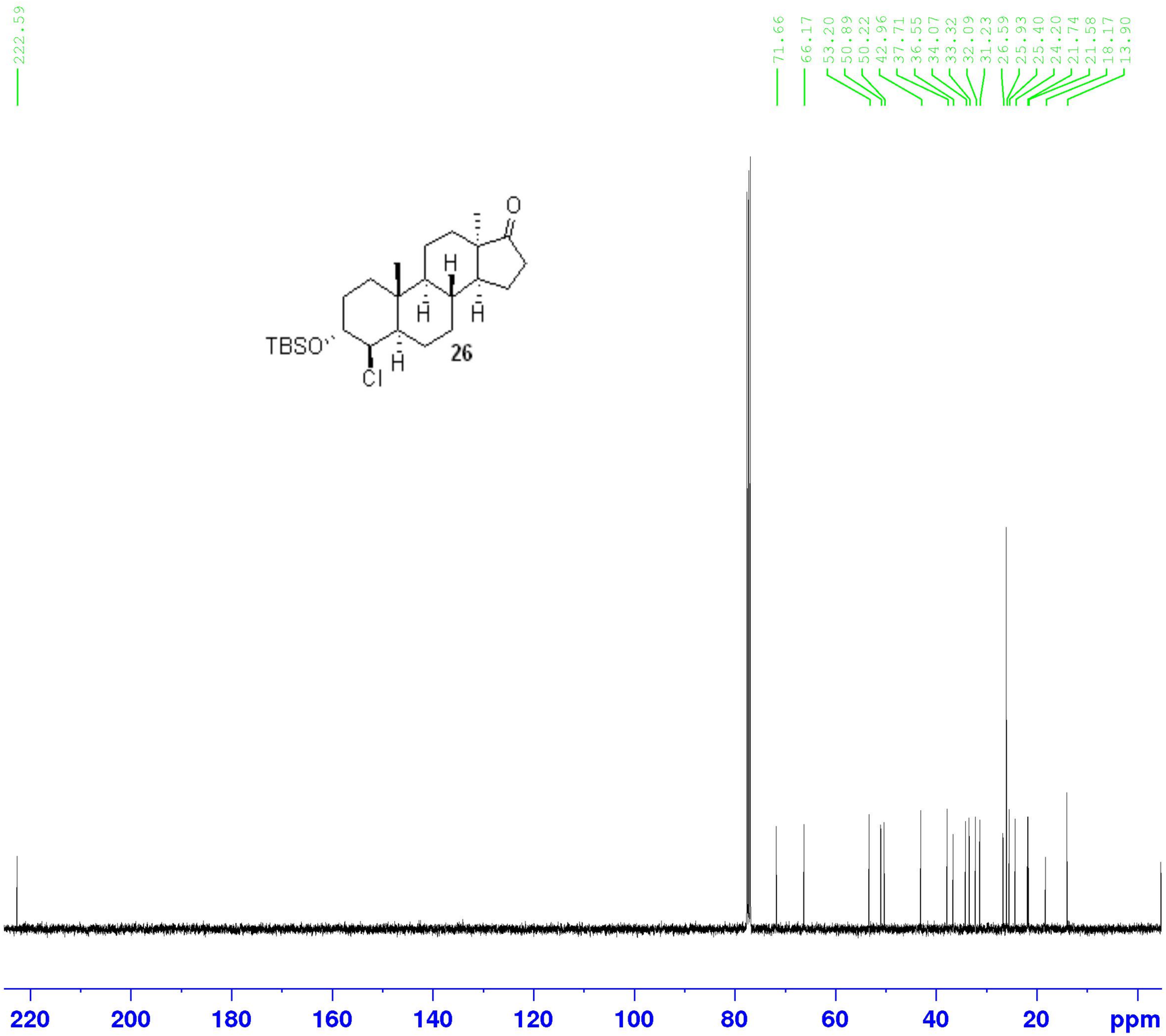



```
Current Data Parameters
NAME            SH-041-1
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170302
Time               15.14
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 111.6
DW                78.200 usec
DE                 6.50 usec
TE                298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                   1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                    EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



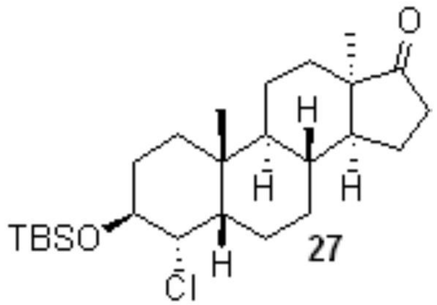
Current Data Parameters
NAME SH-041-1
EXPNO 2
PROCNO 1

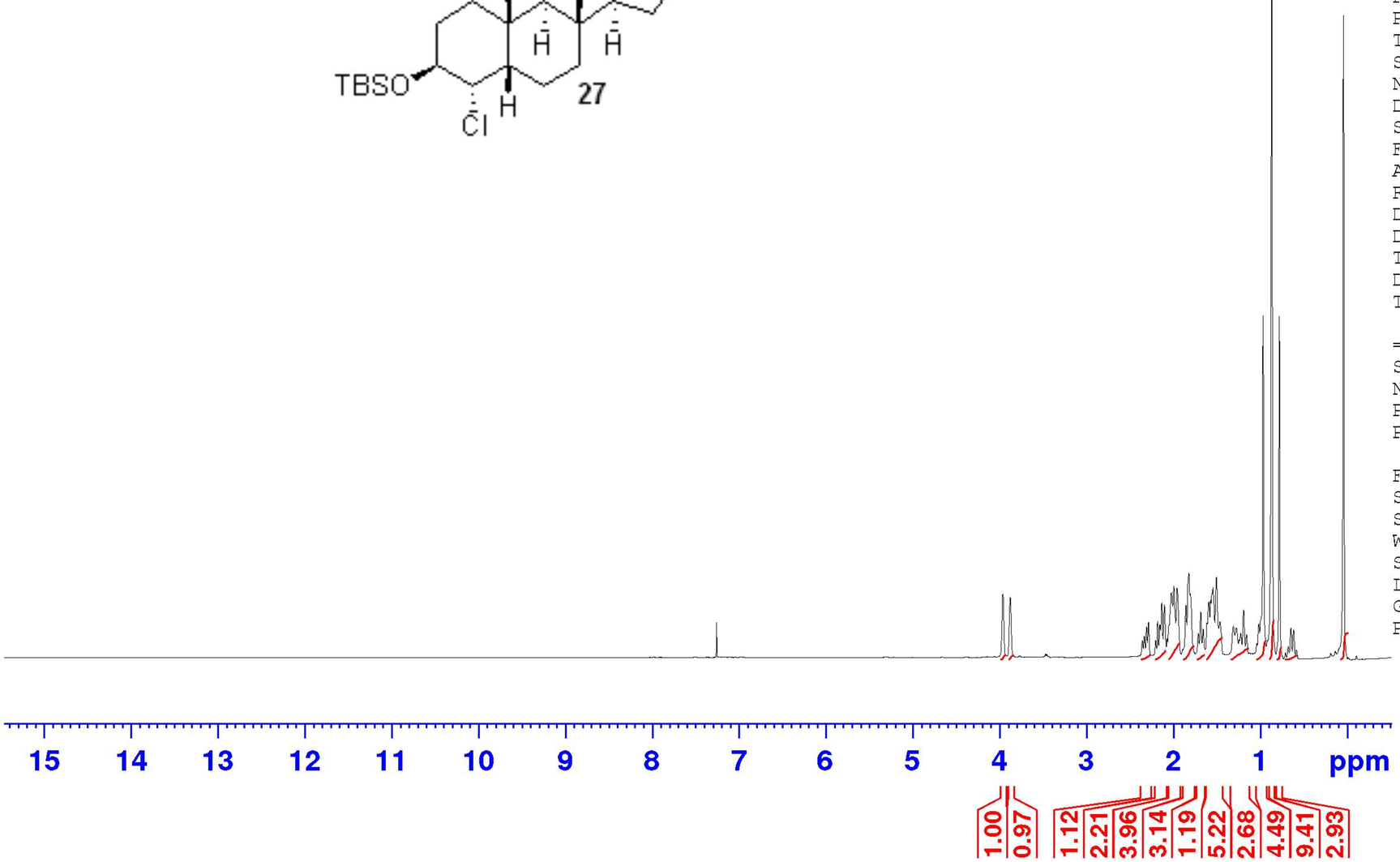
F2 - Acquisition Parameters
Date_ 20170302
Time 15.35
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 333
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127552 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



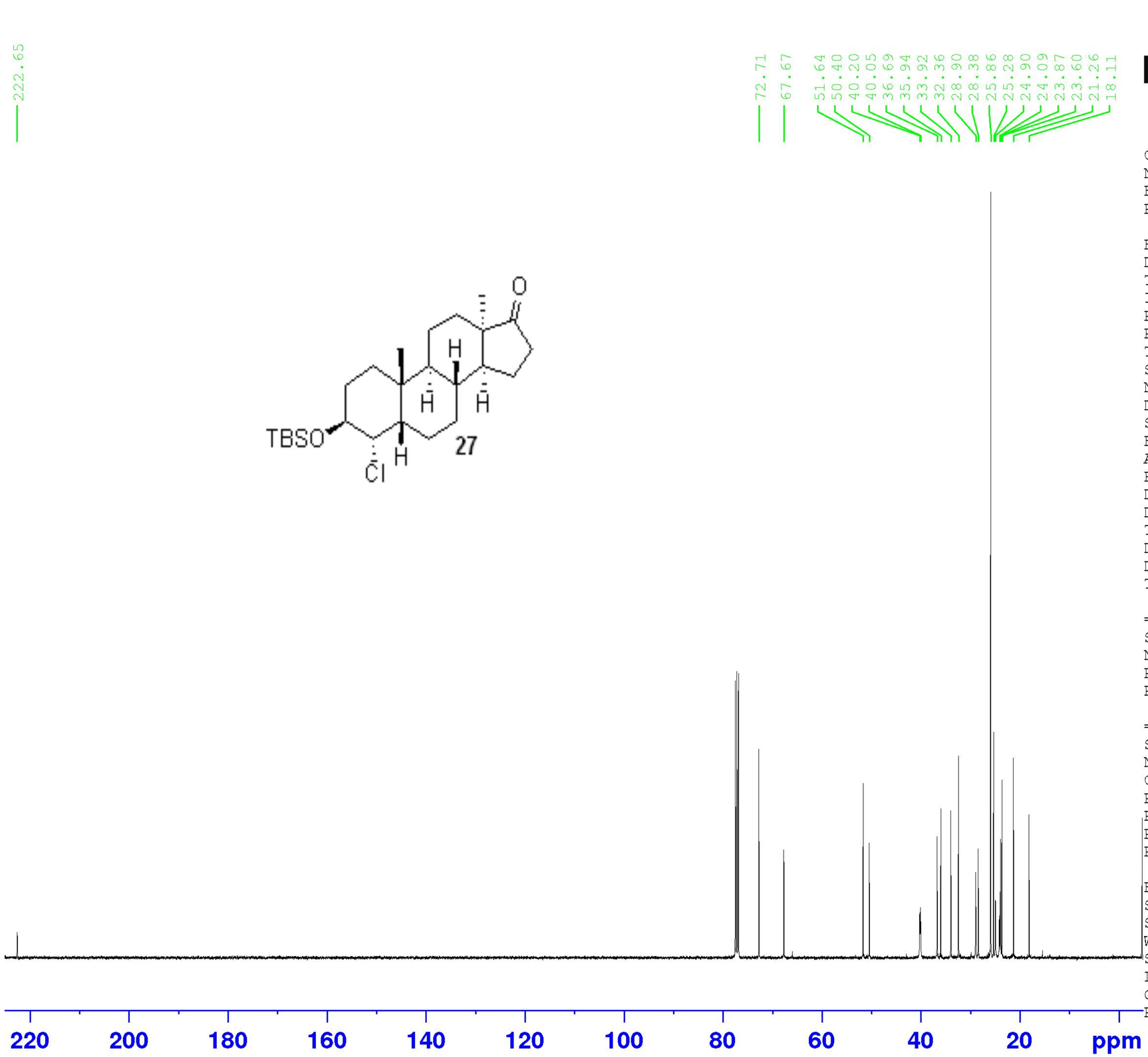



```
Current Data Parameters
NAME            SH-031-3
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170303
Time                1.37
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 25.79
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300099 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



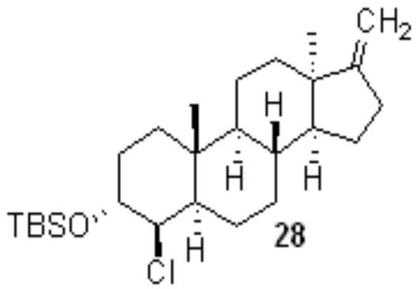
Current Data Parameters
NAME SH-031-3
EXPNO 2
PROCNO 1

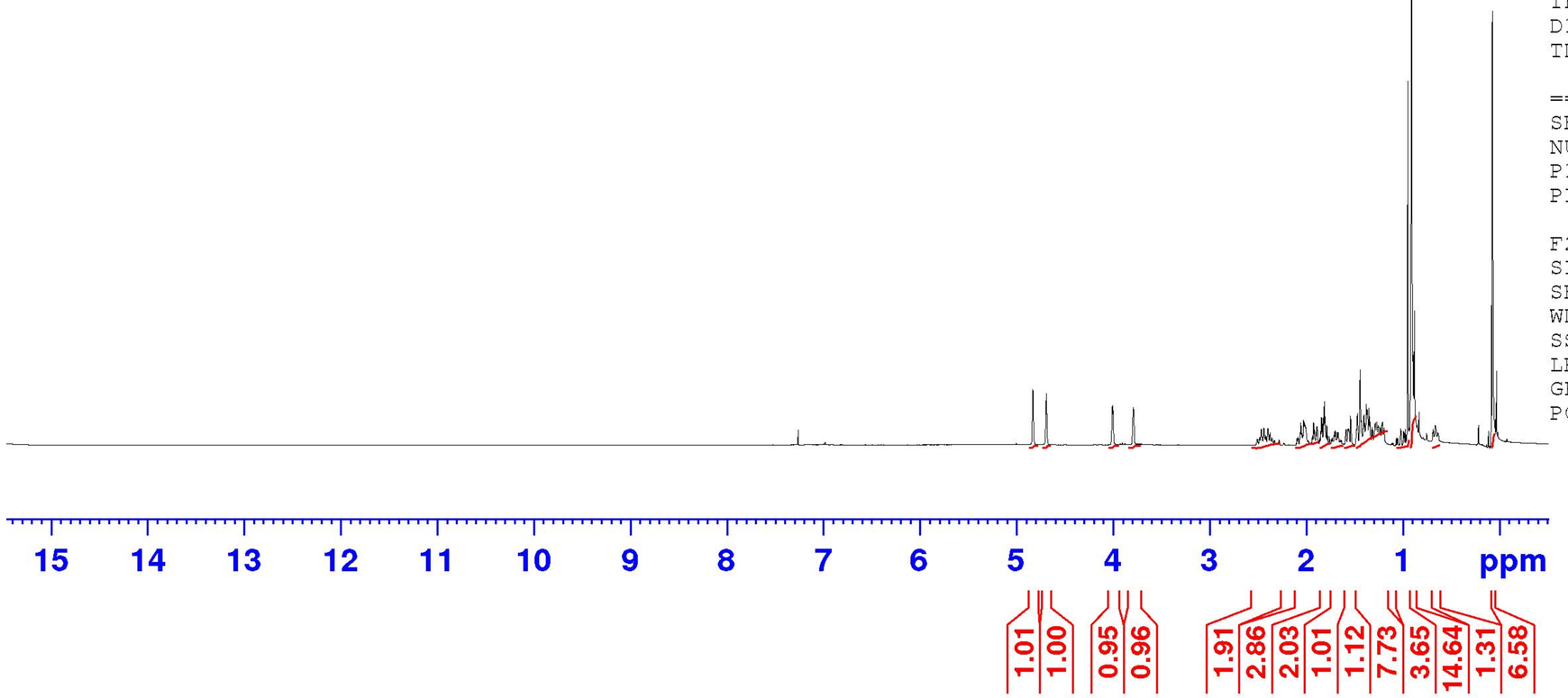
F2 - Acquisition Parameters
Date_ 20170303
Time 2.38
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127566 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



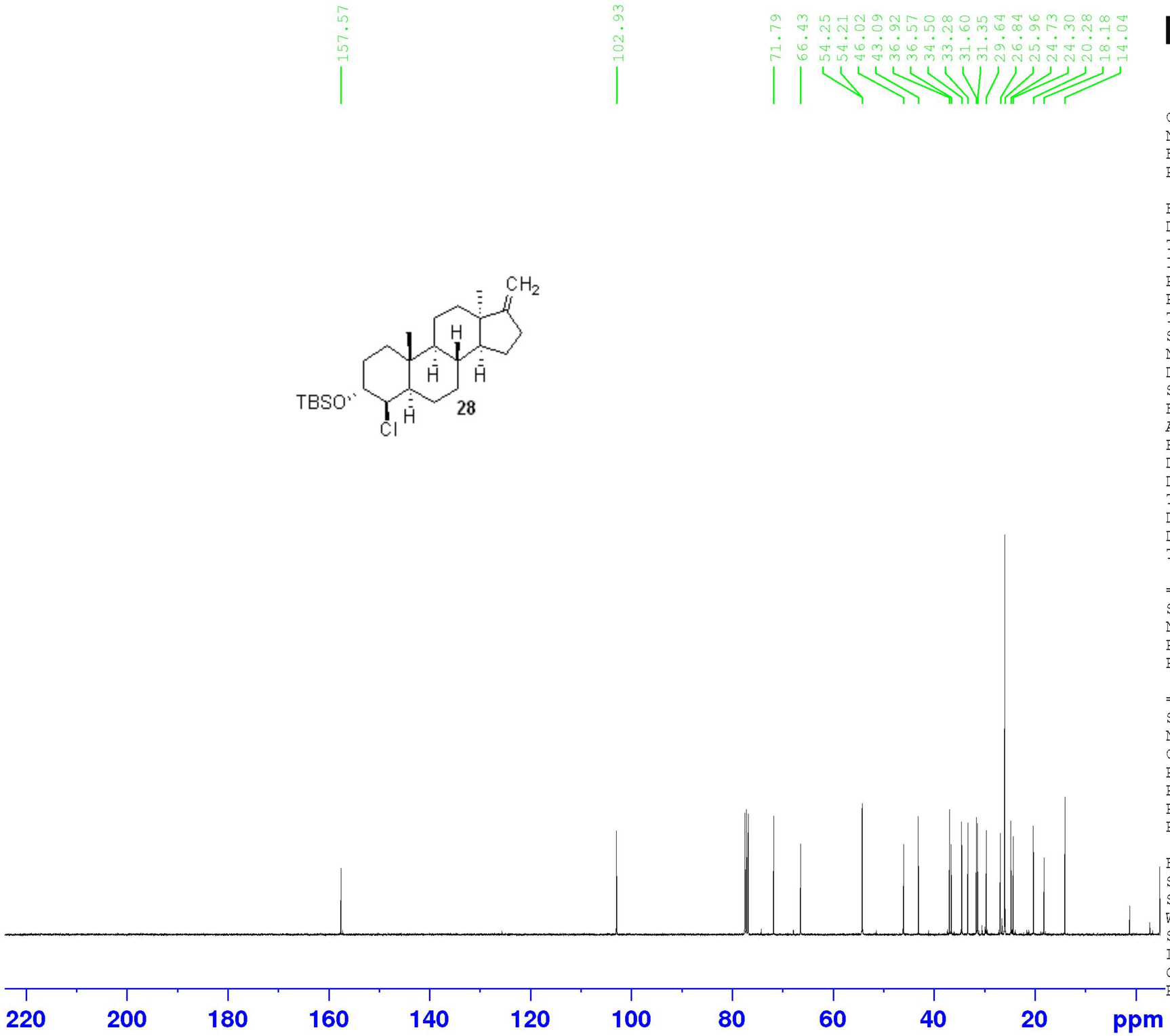



```
Current Data Parameters
NAME            NK-434-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170322
Time               15.12
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                  15.8
DW                78.200 usec
DE                  6.50 usec
TE                298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



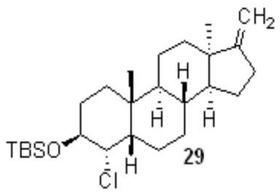
Current Data Parameters
NAME NK-434-2
EXPNO 2
PROCNO 1

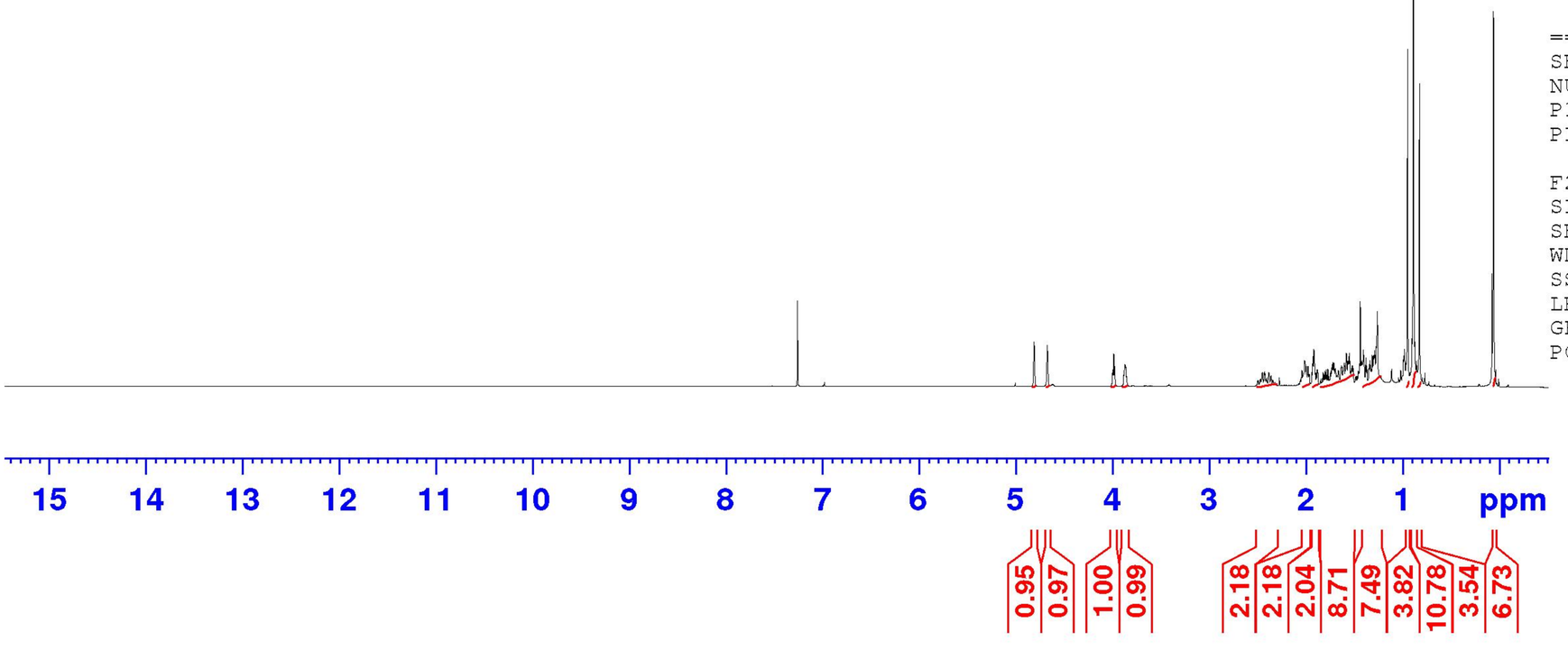
F2 - Acquisition Parameters
Date_ 20170322
Time 15.28
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 250
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127552 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



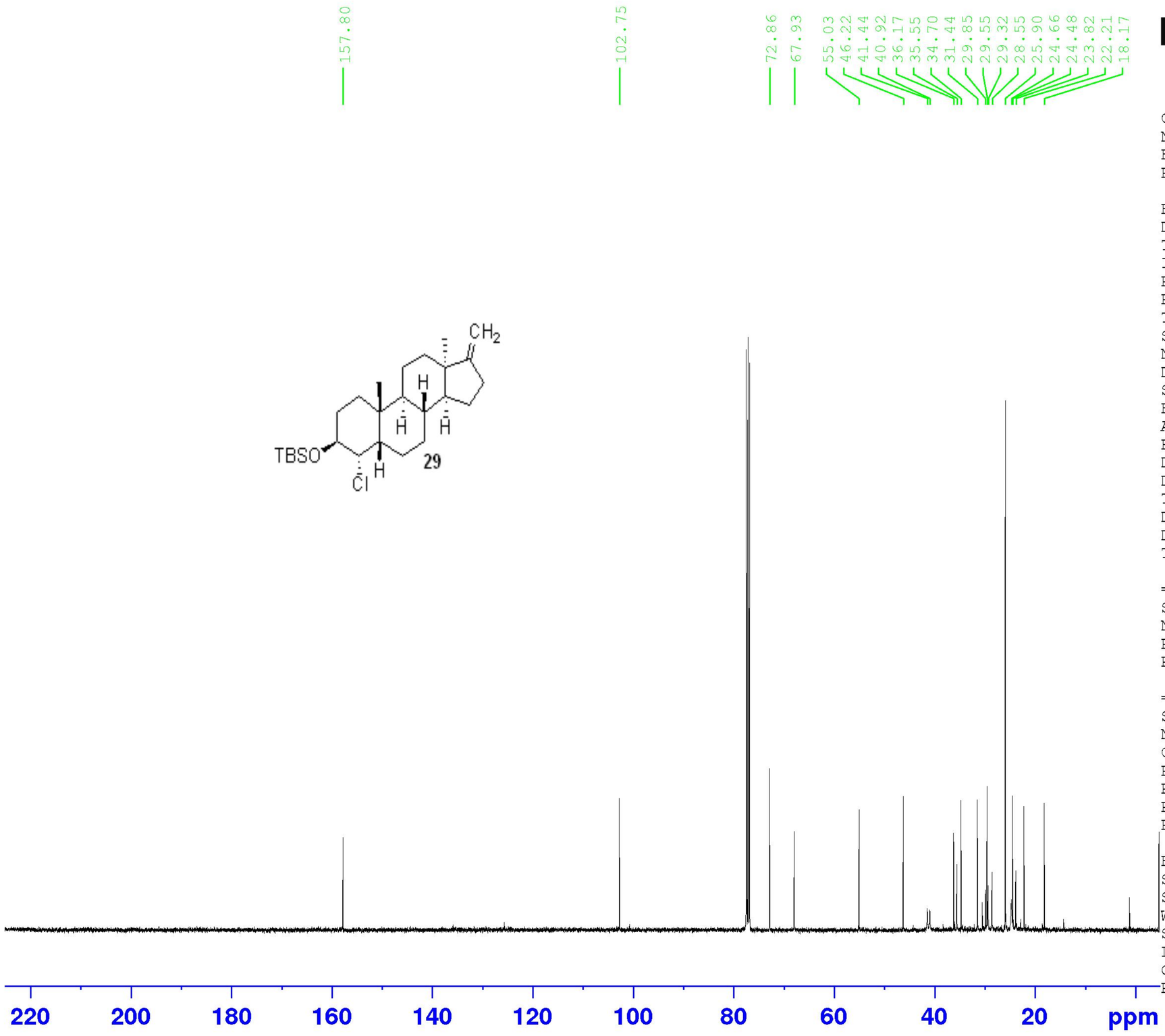



```
Current Data Parameters
NAME            NK-414-3
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170307
Time               18.44
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 39.08
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



BRUKER

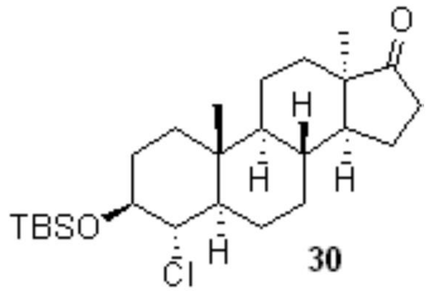
```
Current Data Parameters
NAME            NK-414-3
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170308
Time                1.53
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

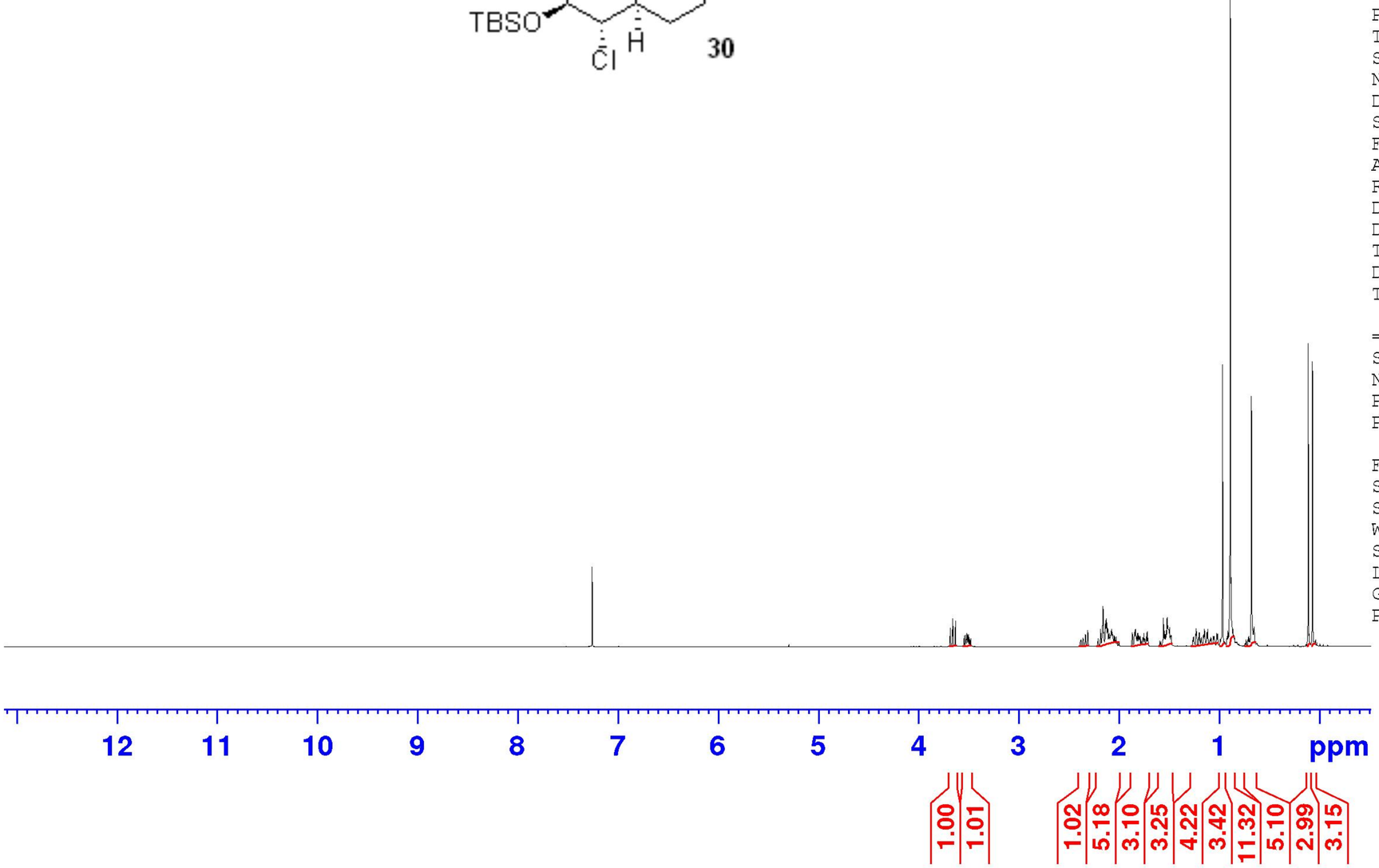
======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                 13C
P1                  9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127551 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```



30

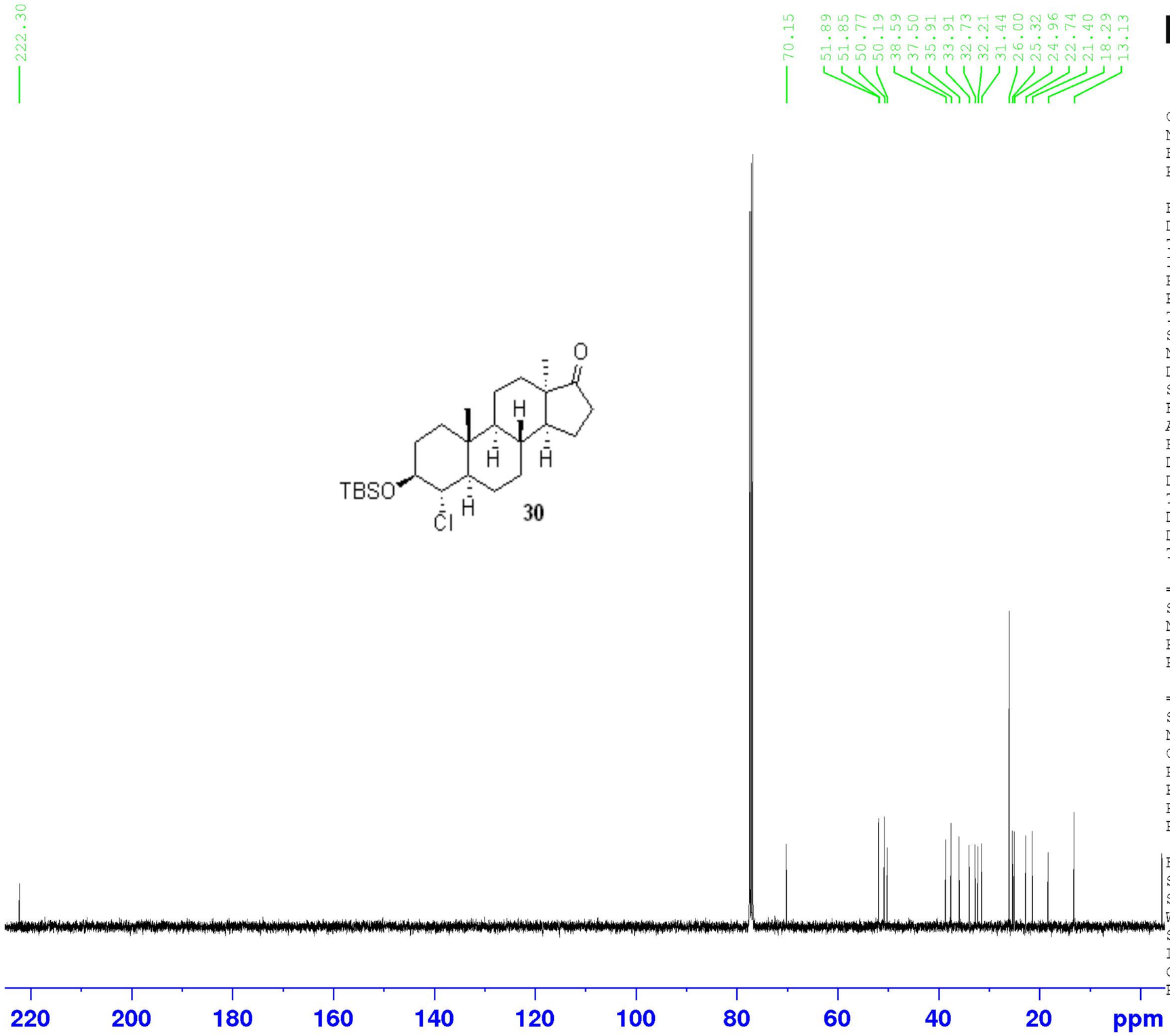



```
Current Data Parameters
NAME            NK-464-1
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170502
Time               15.10
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 111.6
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



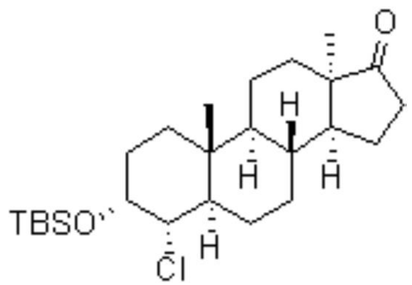

```
Current Data Parameters
NAME            NK-464-1
EXPNO                  2
PROCNO                 1

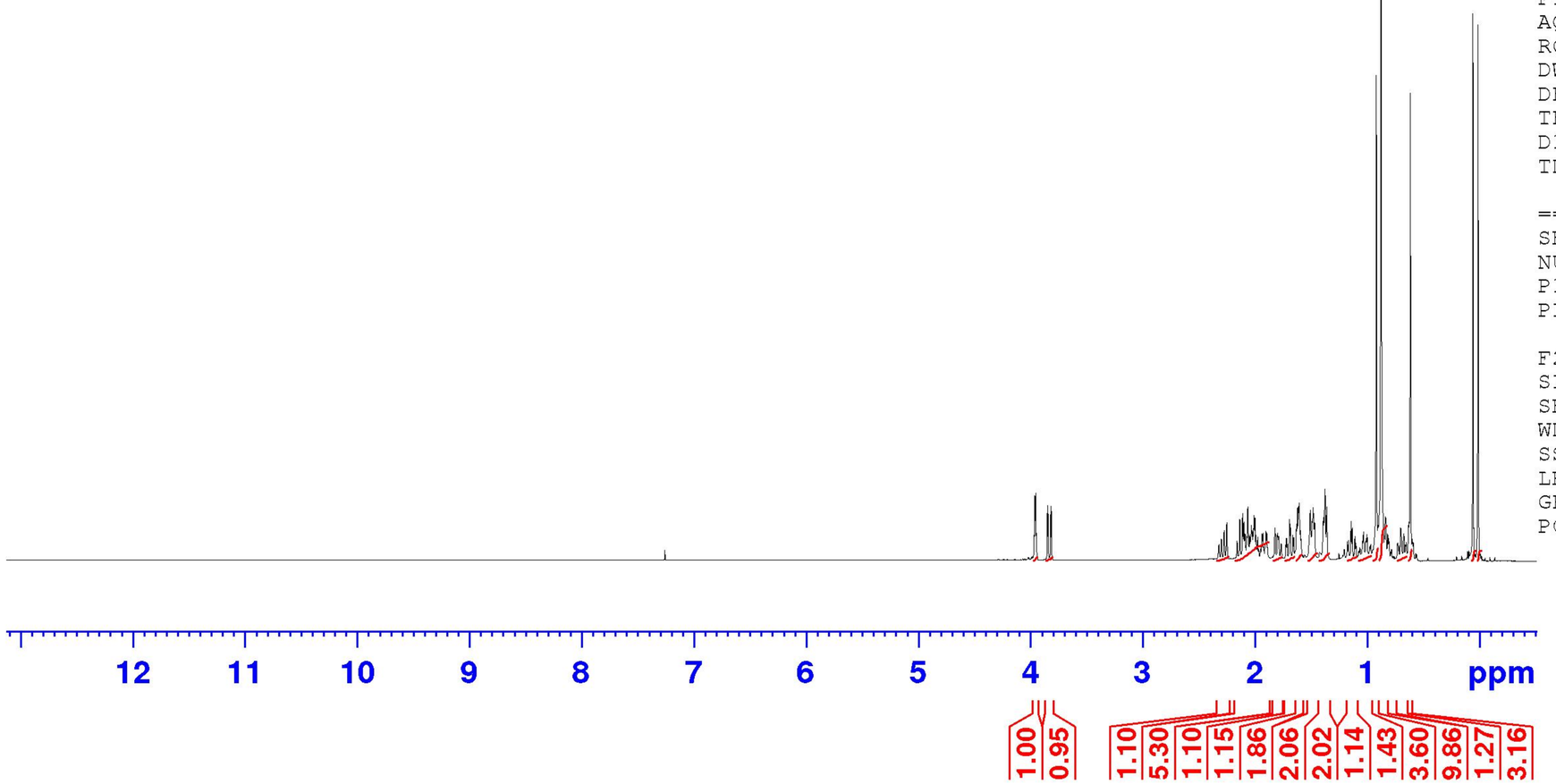
F2 - Acquisition Parameters
Date_           20170502
Time               15.26
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                  250
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                 13C
P1                  9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                  1H
CPDPRG[2         waltz16
PCPD2              90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127550 MHz
WDW                   EM
SSB       0
LB                  1.00 Hz
GB        0
PC                  1.40
```



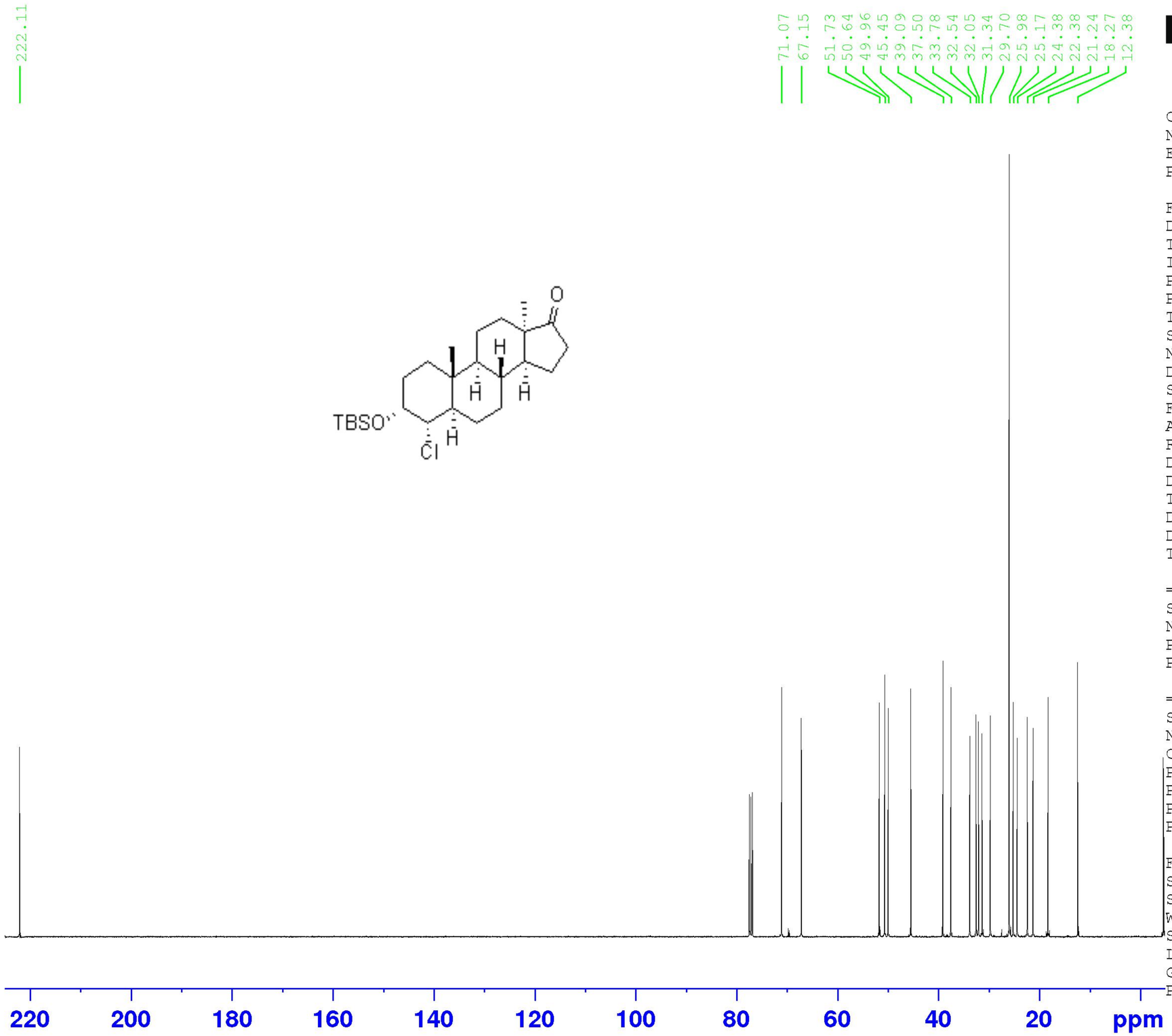



```
Current Data Parameters
NAME            NK-463-1
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170504
Time               18.20
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                  6.17
DW                78.200 usec
DE                 6.50 usec
TE                298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300094 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



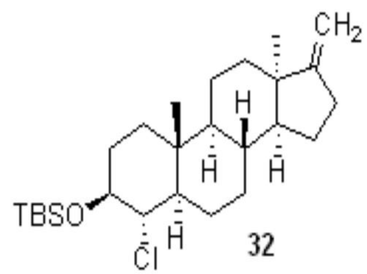
Current Data Parameters
NAME NK-463-1
EXPNO 2
PROCNO 1

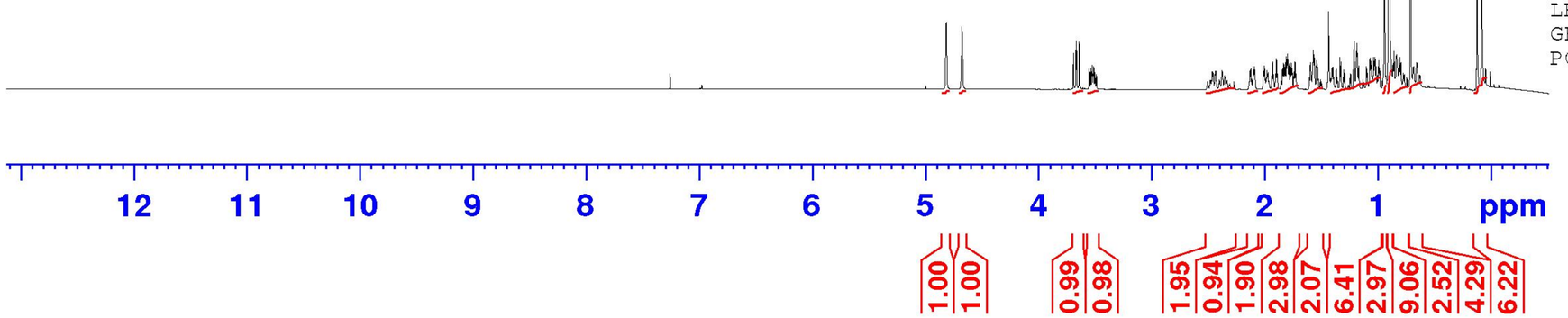
F2 - Acquisition Parameters
Date_ 20170505
Time 3.39
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127648 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



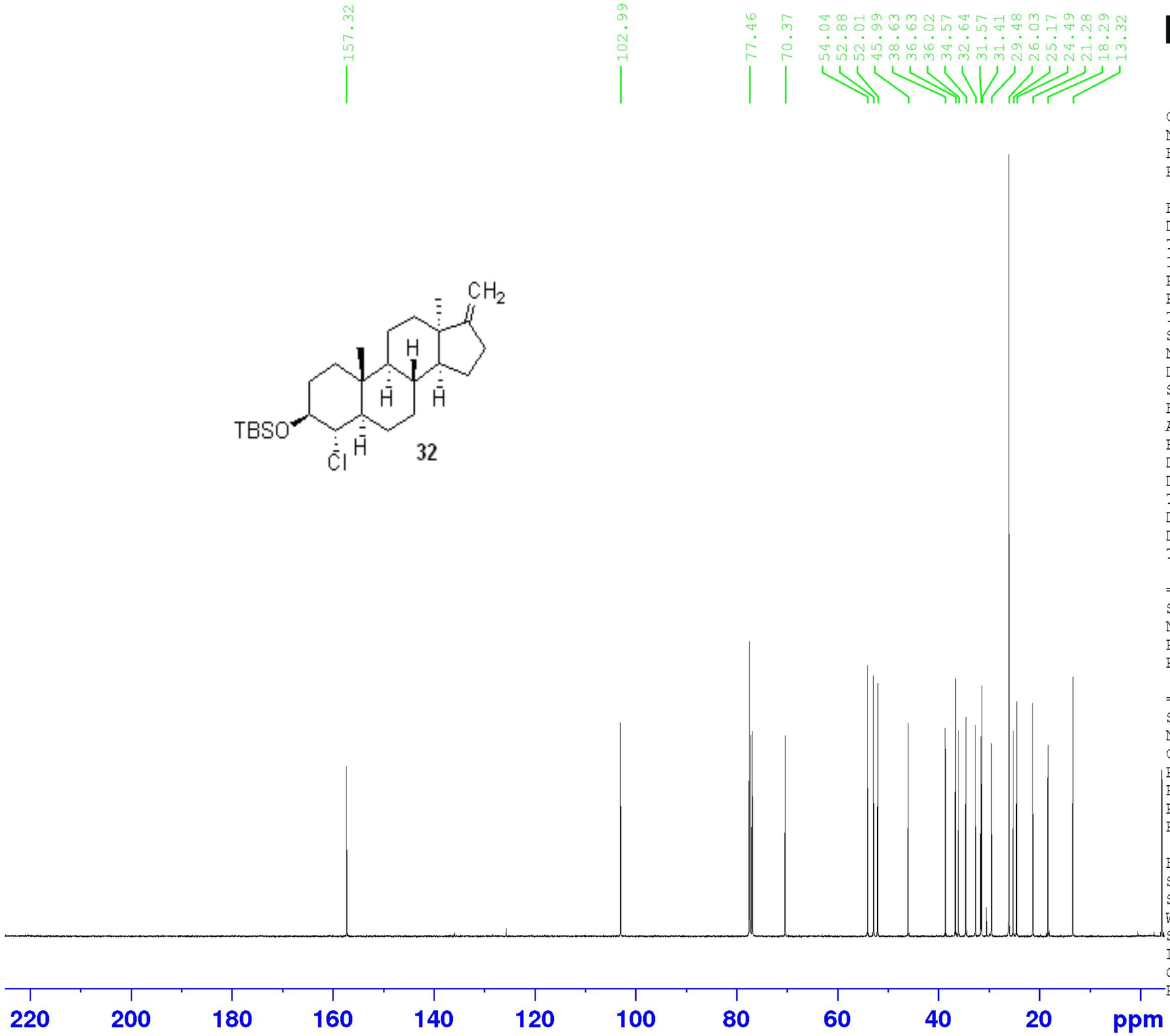



```
Current Data Parameters
NAME            NK-465-3
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170504
Time               18.11
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                  15.8
DW                78.200 usec
DE                 6.50 usec
TE                298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



BRUKER

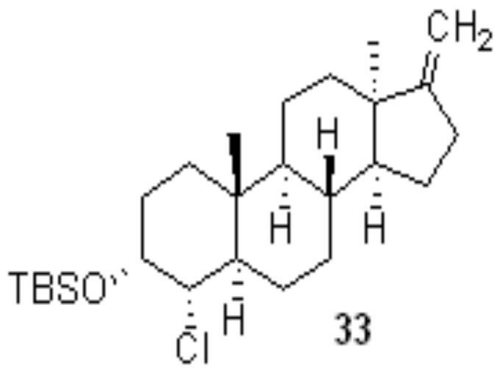
```
Current Data Parameters
NAME            NK-465-3
EXPNO                  2
PROCNO                 1

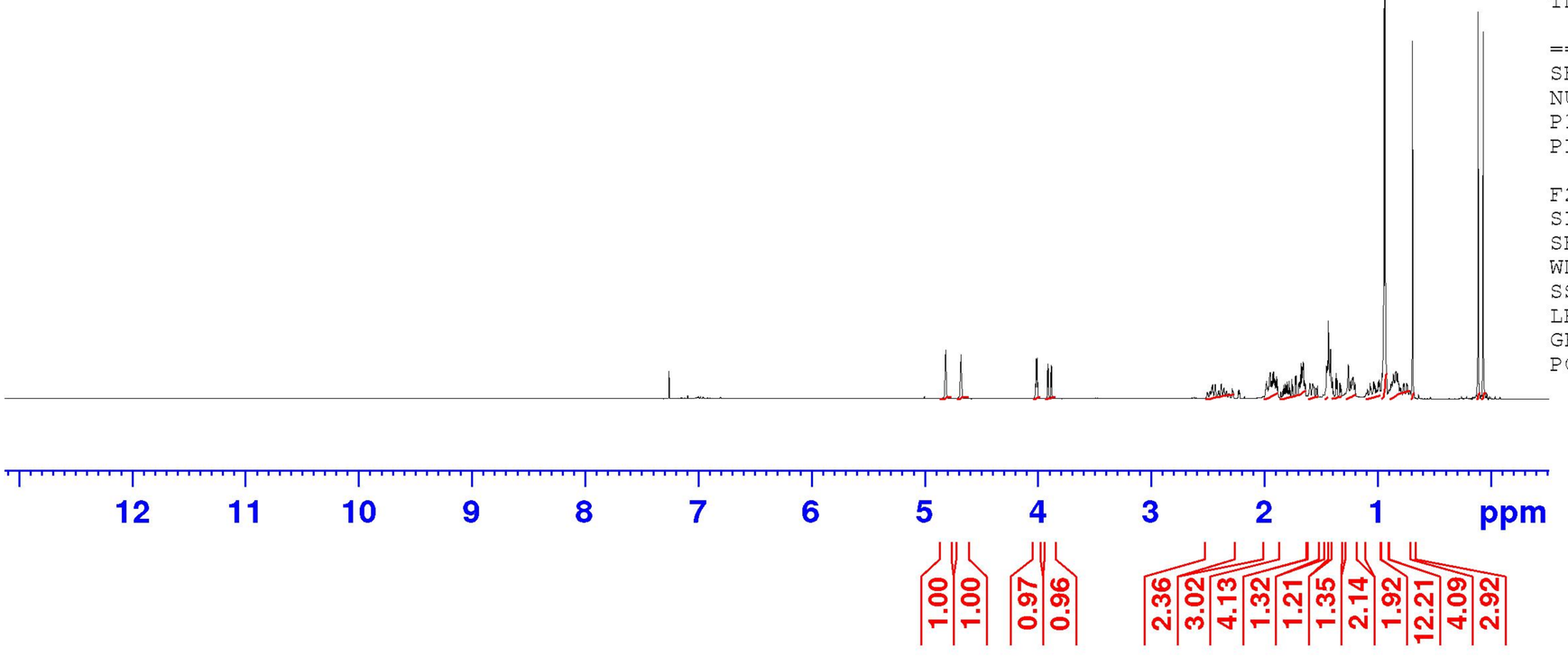
F2 - Acquisition Parameters
Date_           20170505
Time                2.36
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                 13C
P1                 9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                32768
SF           100.6127565 MHz
WDW                  EM
SSB       0
LB                1.00 Hz
GB        0
PC                1.40
```



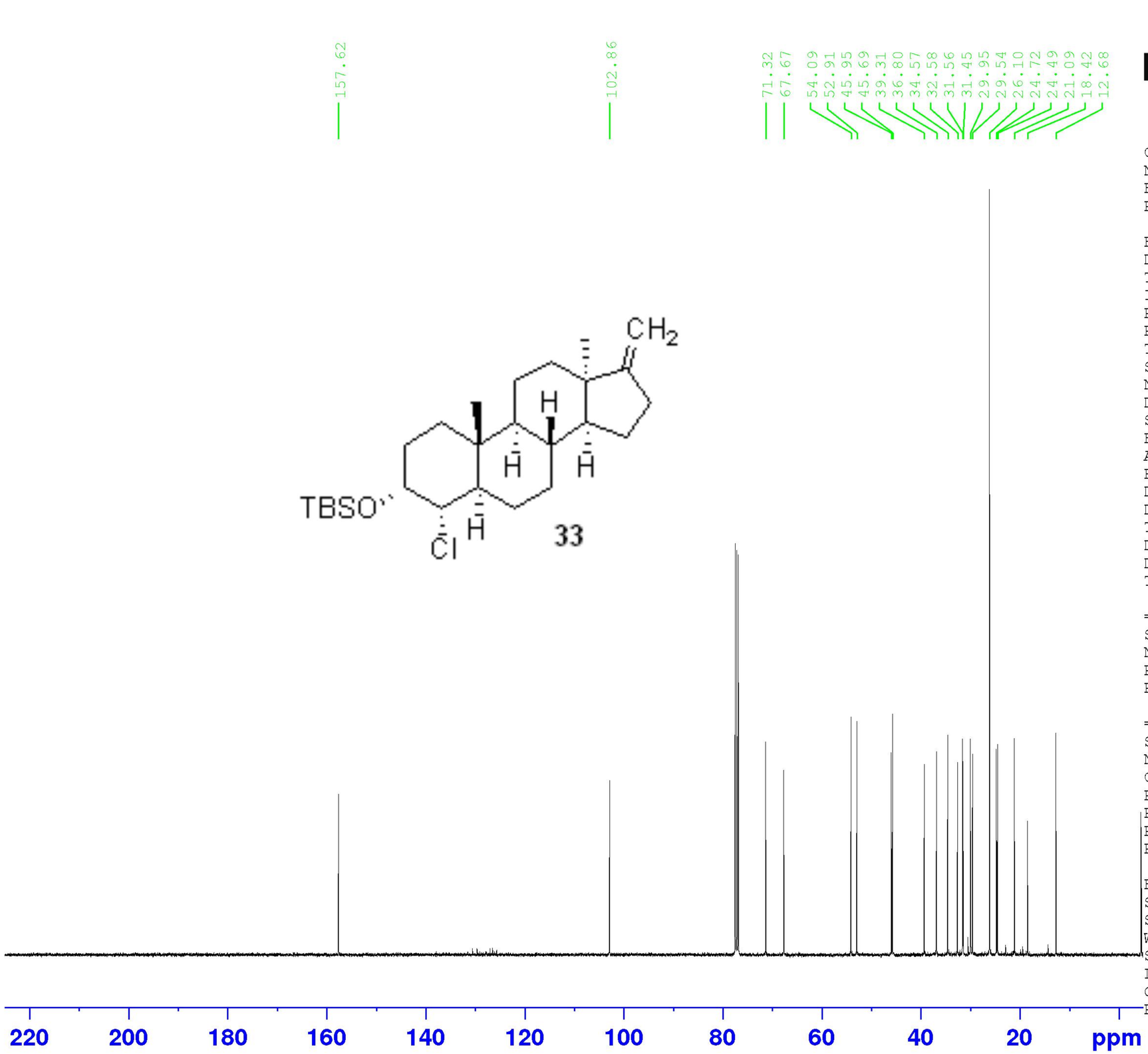



```
Current Data Parameters
NAME            NK-467-3
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170510
Time               18.16
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 27.78
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



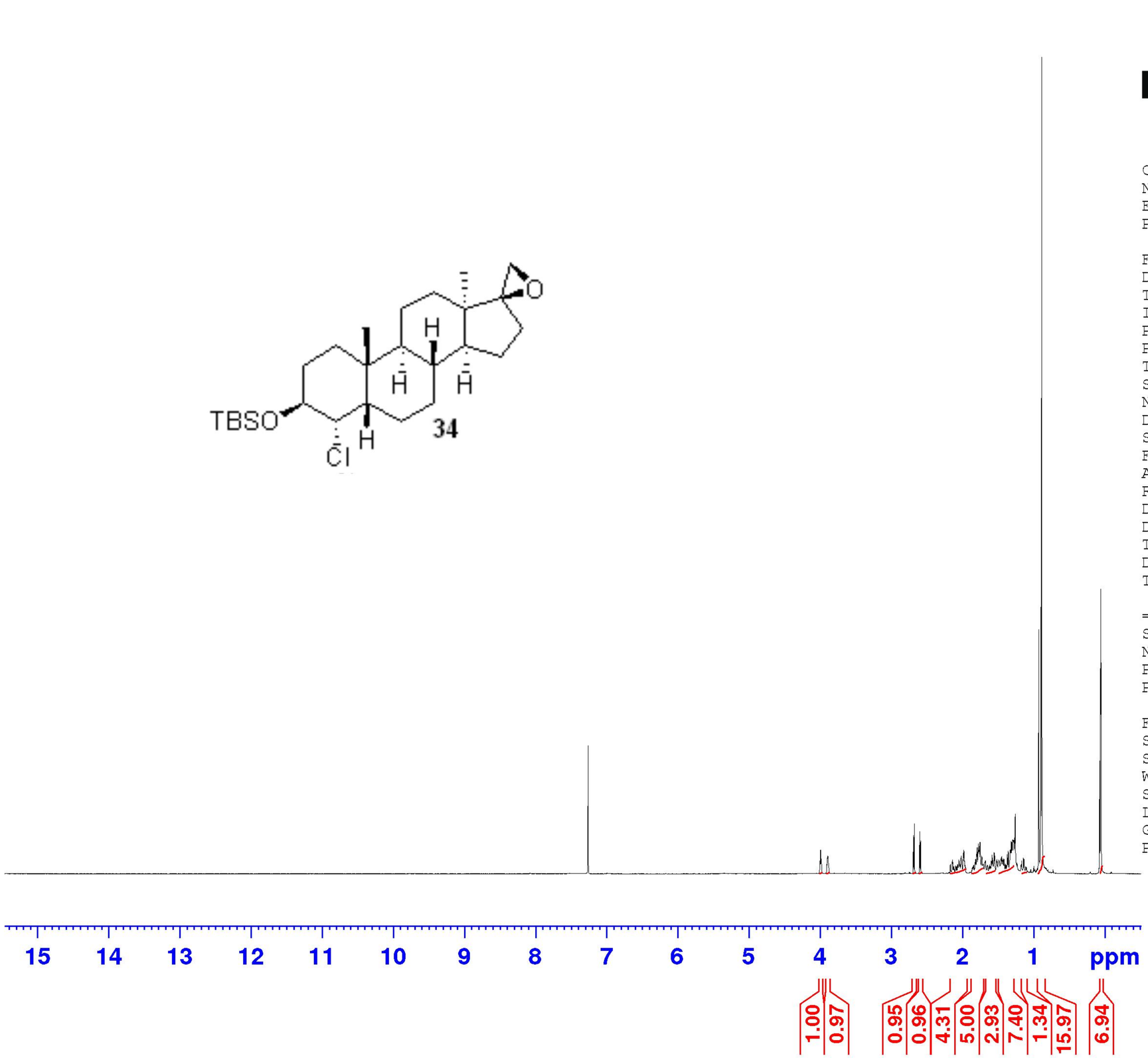

```
Current Data Parameters
NAME            NK-467-3
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170511
Time                7.44
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                 13C
P1                9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2            90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127552 MHz
WDW                   EM
SSB       0
LB                1.00 Hz
GB        0
PC                1.40
```

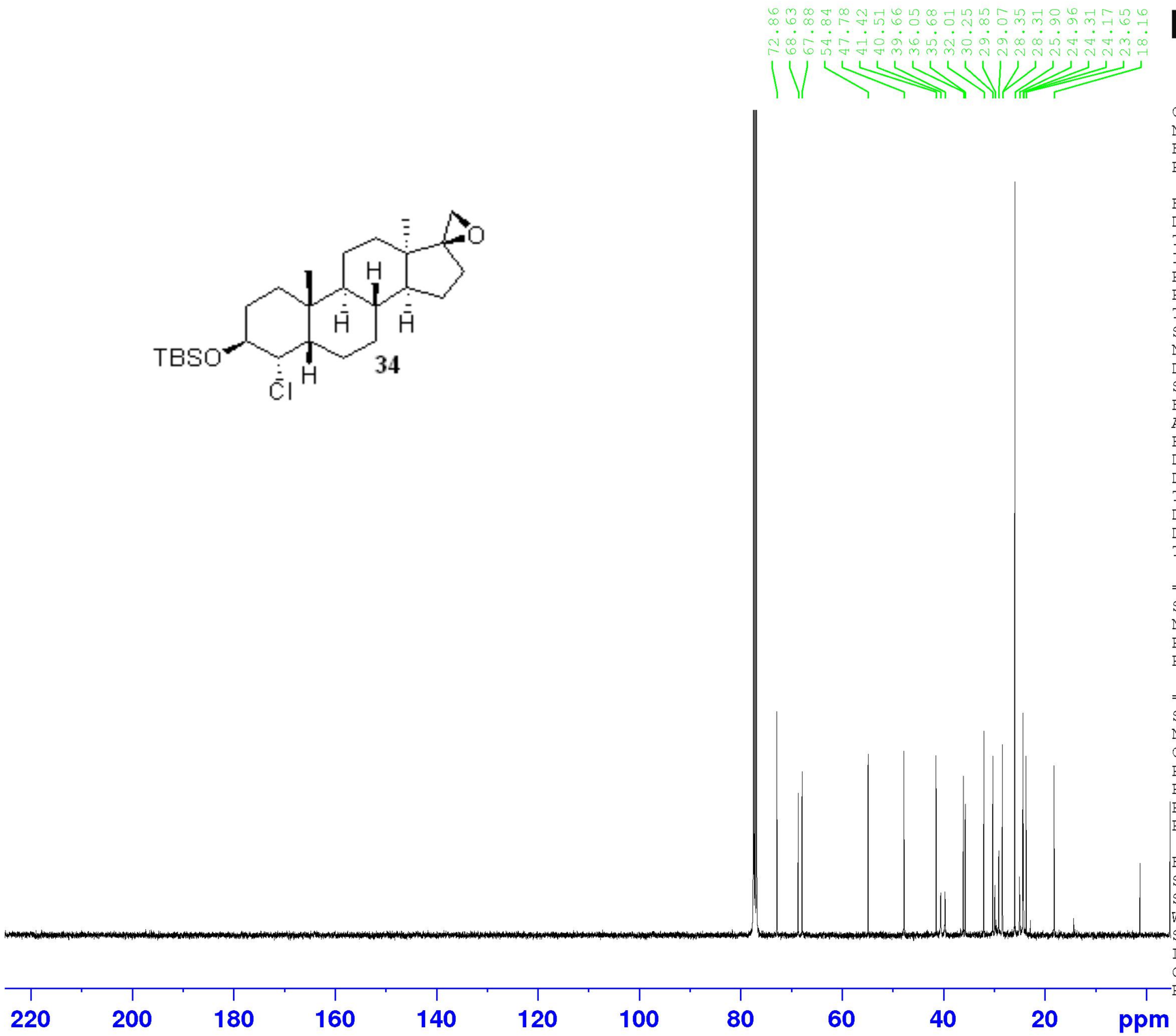



```
Current Data Parameters
NAME            NK-419-3
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170311
Time                8.43
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 111.6
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



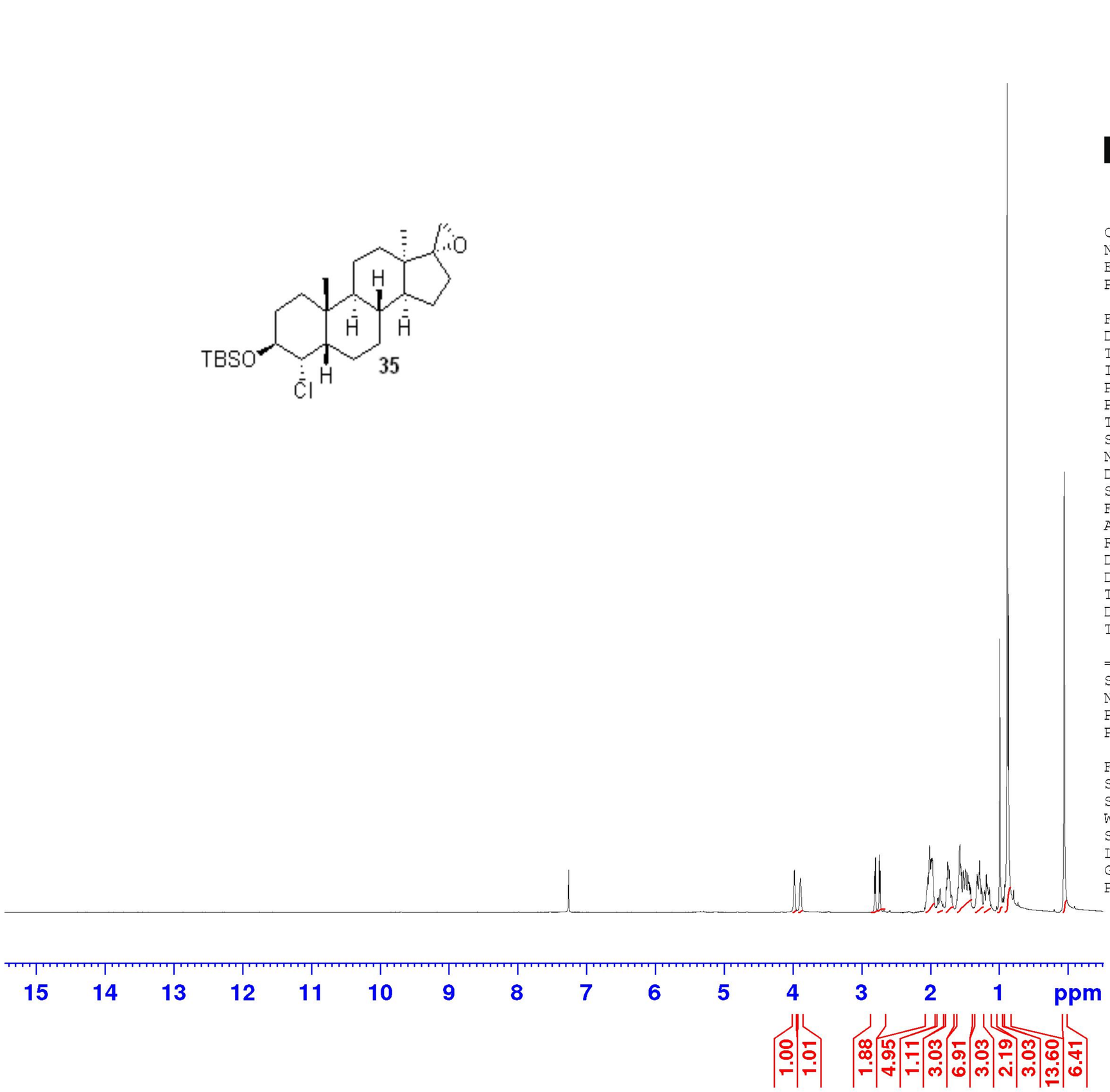

```
Current Data Parameters
NAME            NK-419-3
EXPNO                   6
PROCNO                  1

F2 - Acquisition Parameters
Date_           20170312
Time                5.14
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 8000
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                 9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF          100.6127544 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```

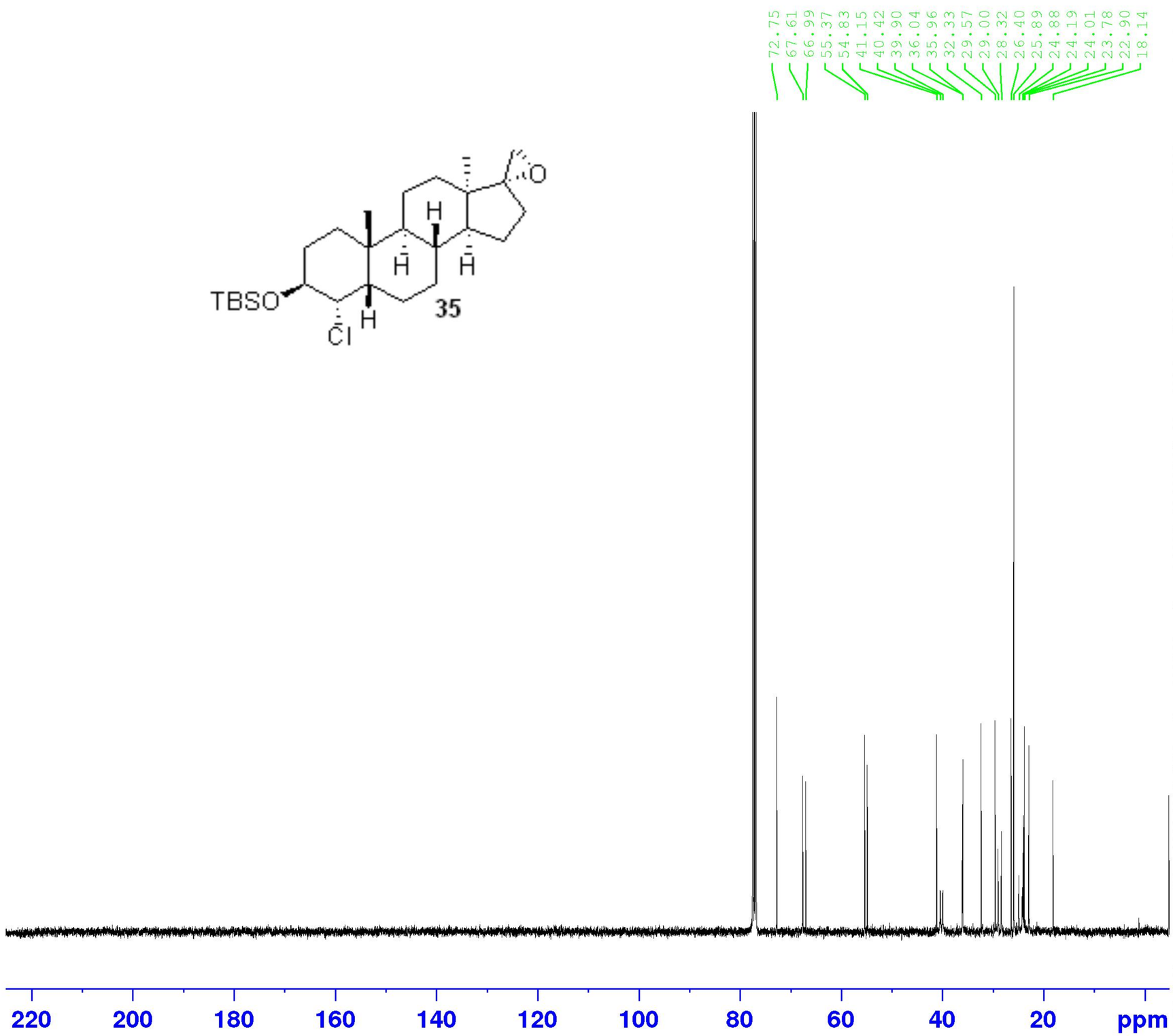



```
Current Data Parameters
NAME            NK-419-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170310
Time               16.43
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 49.08
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300105 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



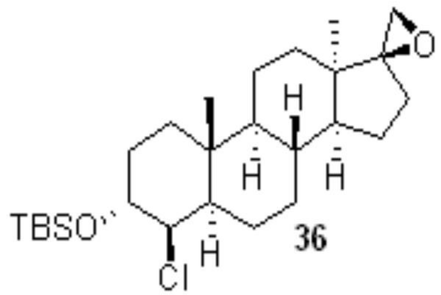

```
Current Data Parameters
NAME            NK-419-2
EXPNO                  3
PROCNO                 1

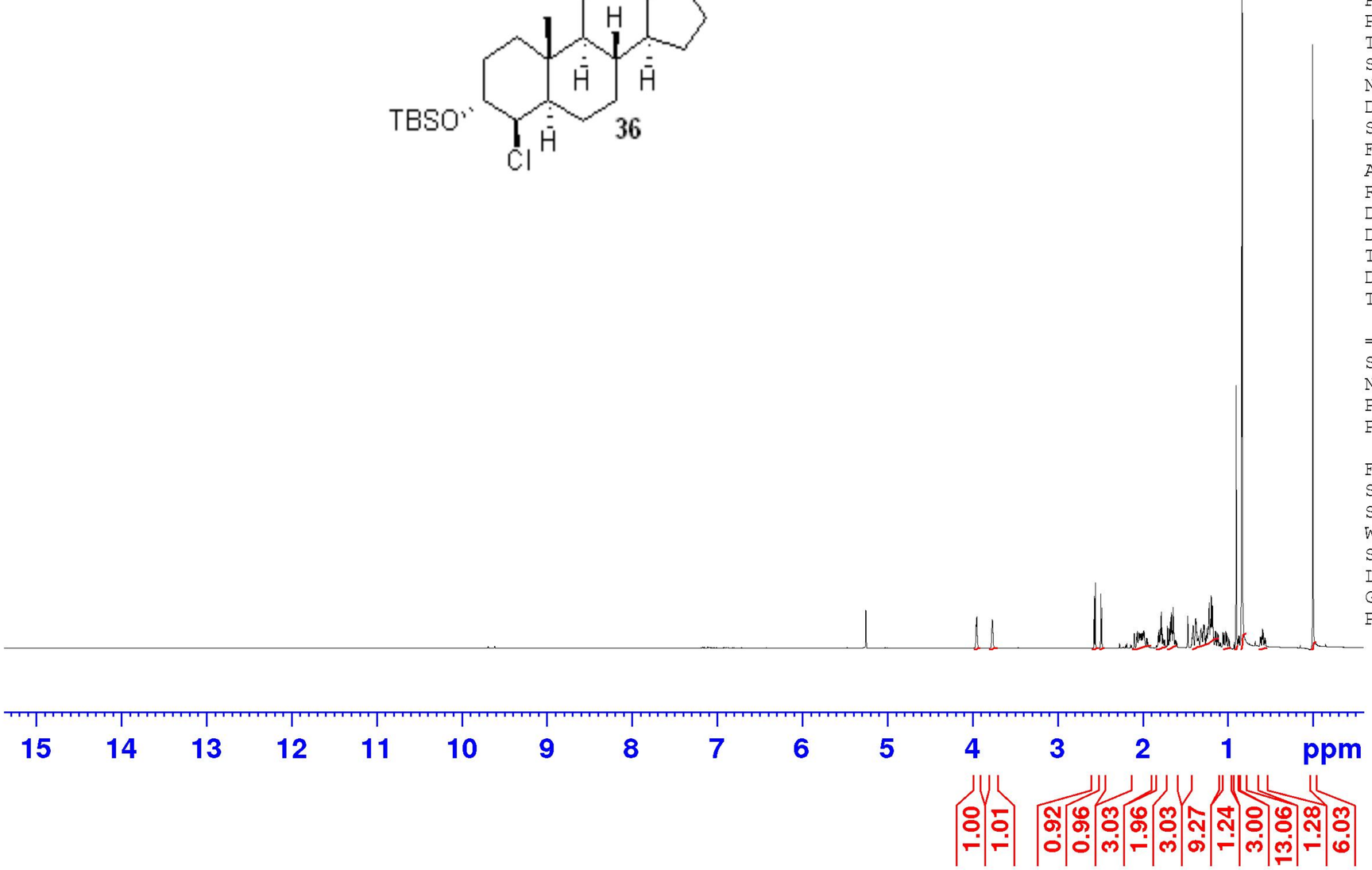
F2 - Acquisition Parameters
Date_           20170311
Time                8.11
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.1 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                 9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF          100.6127558 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```



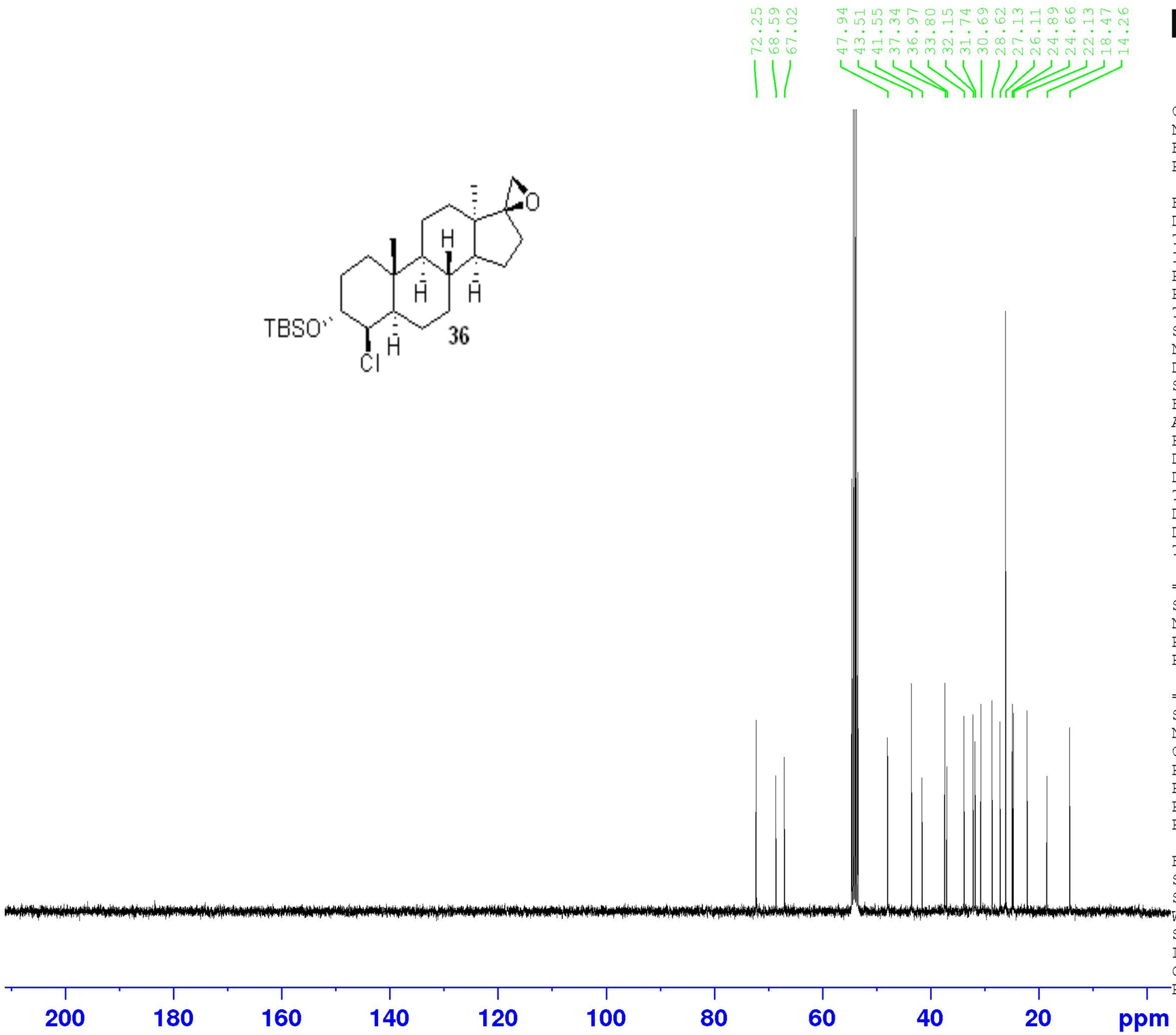



```
Current Data Parameters
NAME          NK-438-2-3
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170324
Time               14.34
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT           CD2Cl2
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 49.08
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300433 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



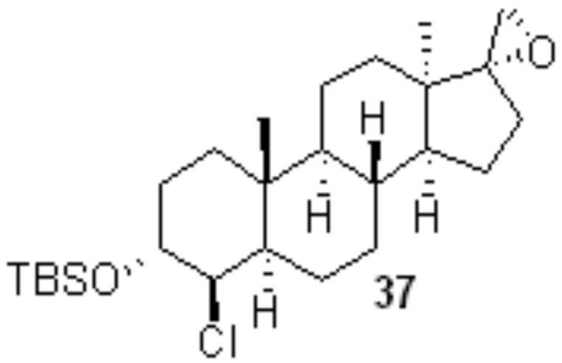

```
Current Data Parameters
NAME          NK-438-2-3
EXPNO                  2
PROCNO                 1

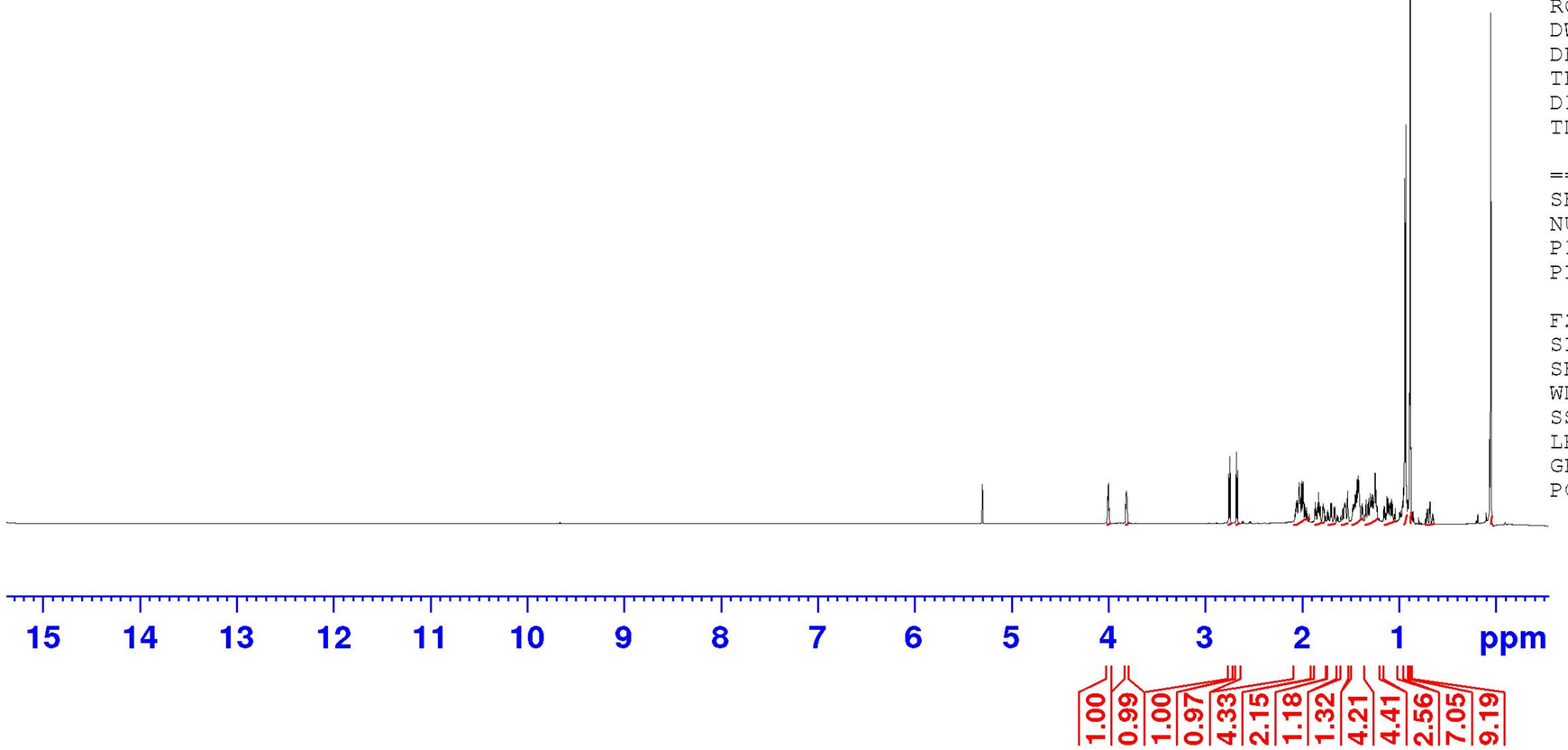
F2 - Acquisition Parameters
Date_           20170324
Time               15.04
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CD2Cl2
NS                   500
DS                     4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                  13C
P1                 9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                   1H
CPDPRG[2         waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127098 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```



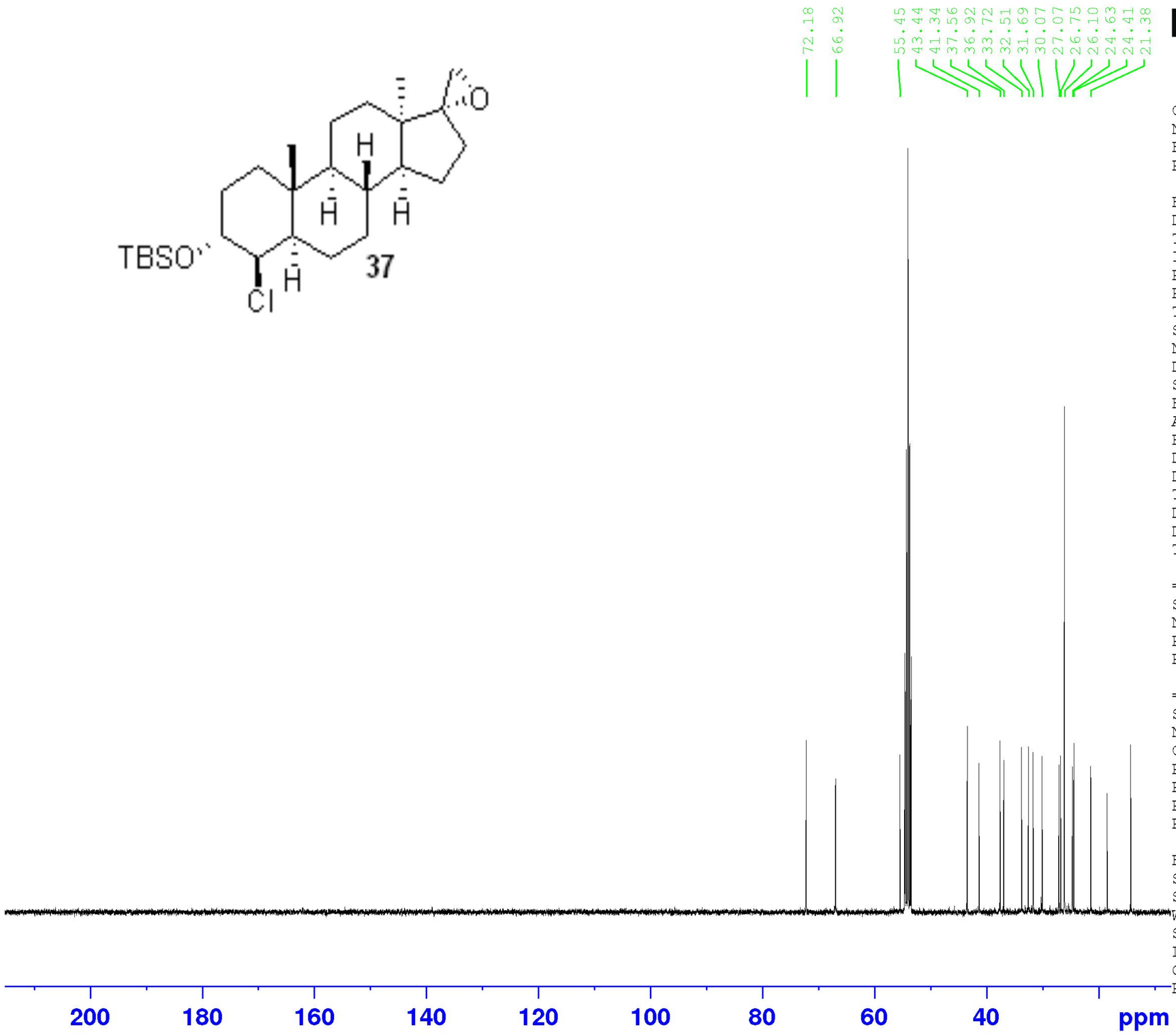



```
Current Data Parameters
NAME          NK-438-3-3
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170324
Time               17.26
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT           CD2Cl2
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 45.28
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300234 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



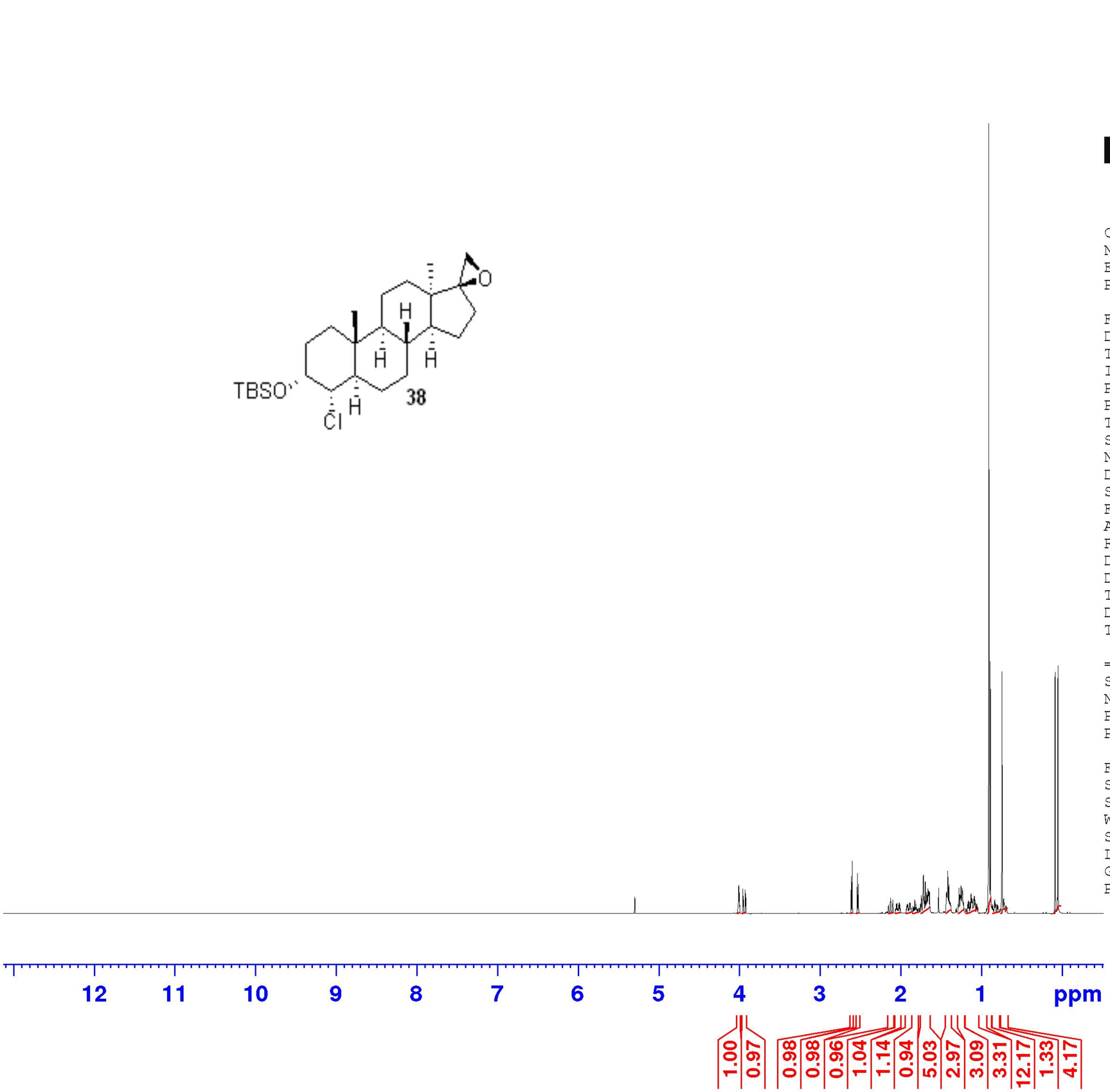

```
Current Data Parameters
NAME          NK-438-3-3
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170325
Time               12.50
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT          CD2Cl2
NS                 1024
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.0 K
D1           2.00000000 sec
D11          0.03000000 sec
TD0                   1

======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                 9.00 usec
PLW1        75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2             90.00 usec
PLW2         0.18770000 W
PLW12        0.18770000 W
PLW13        0.15204000 W

F2 - Processing parameters
SI                 32768
SF          100.6127096 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```

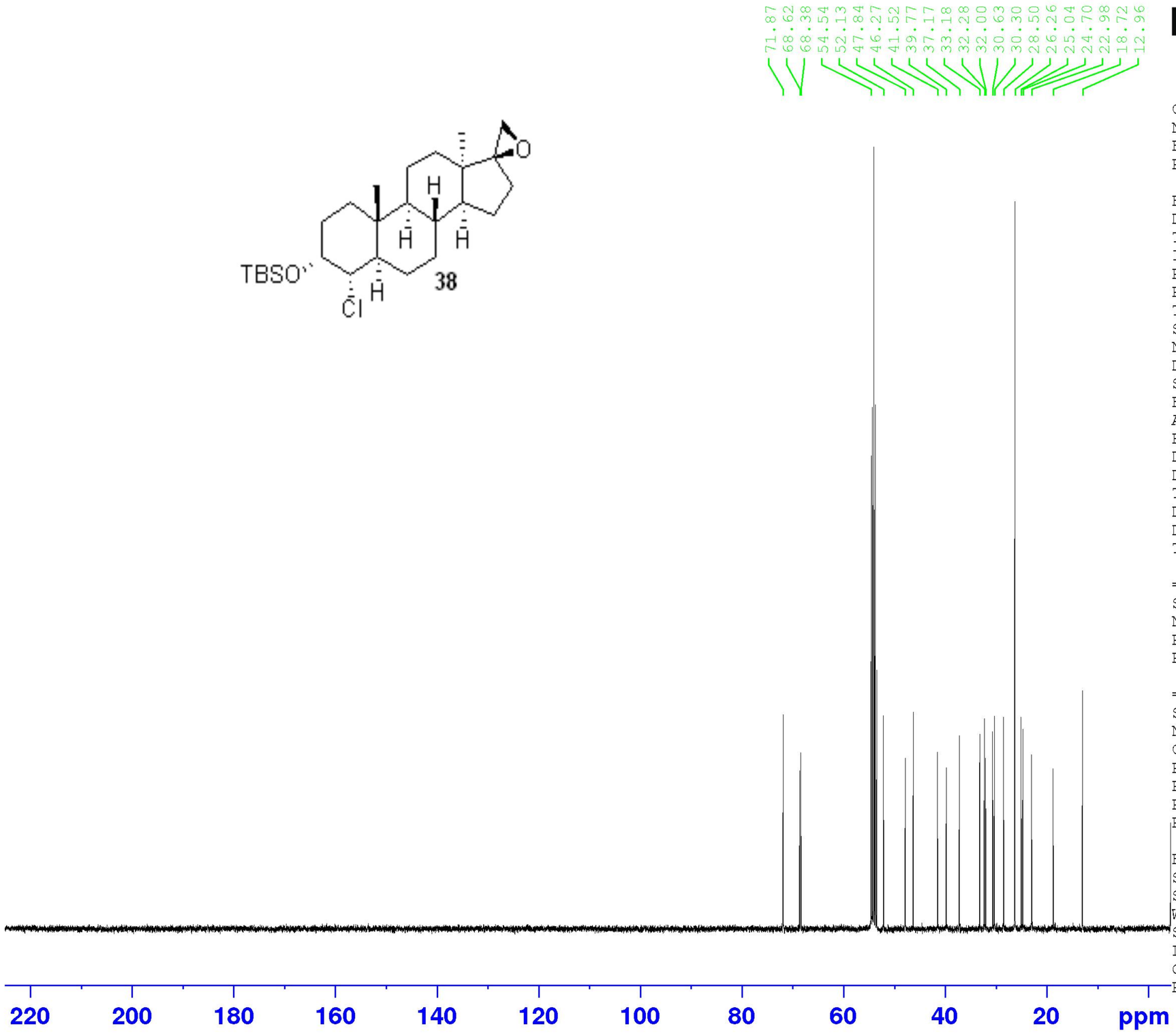



```
Current Data Parameters
NAME            NK-470-1
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170515
Time               17.14
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT           CD2Cl2
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 39.08
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300233 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



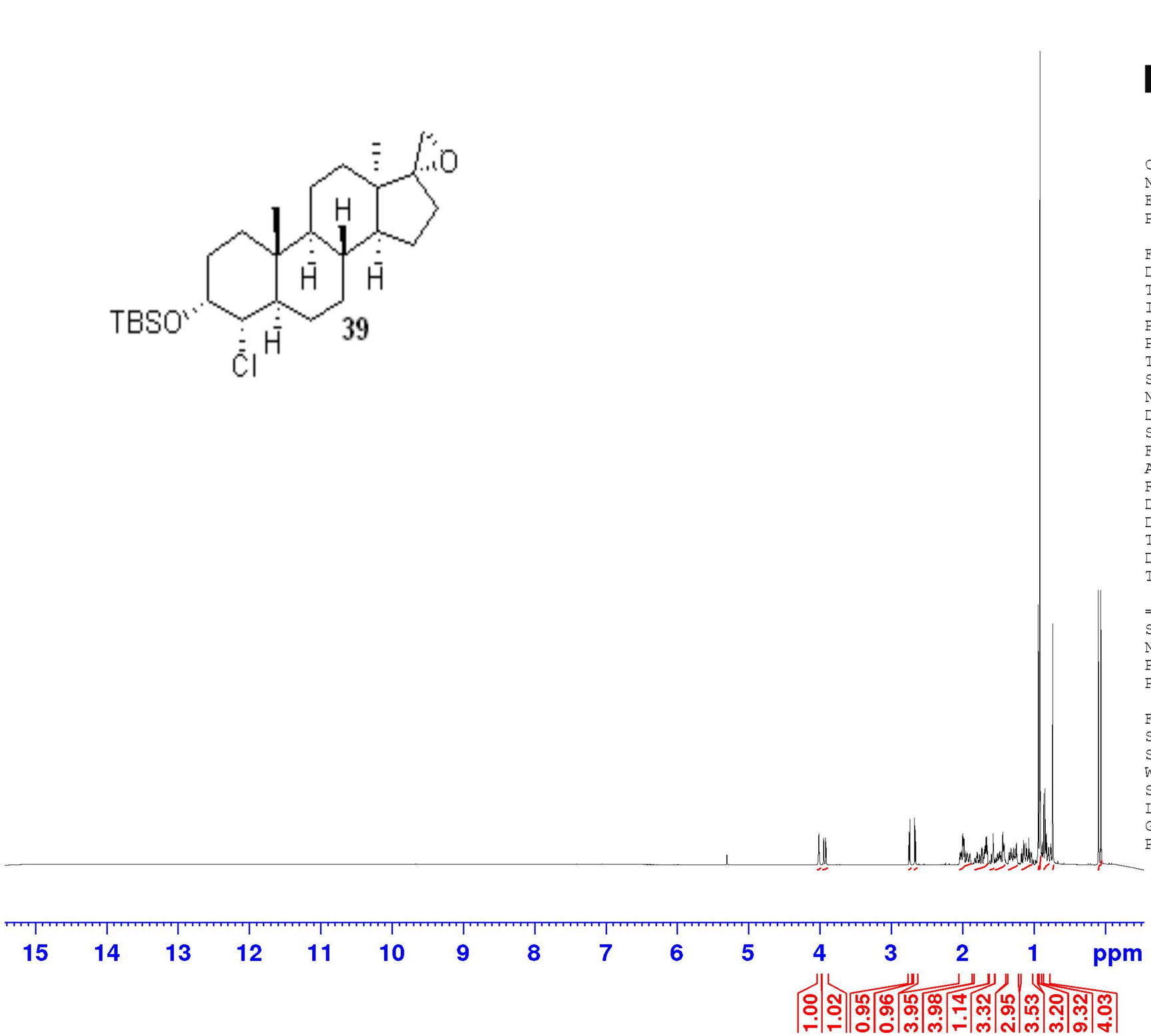

```
Current Data Parameters
NAME            NK-470-1
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170515
Time               17.45
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CD2Cl2
NS                   500
DS                     4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                 298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                  13C
P1                 9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                   1H
CPDPRG[2         waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127095 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```

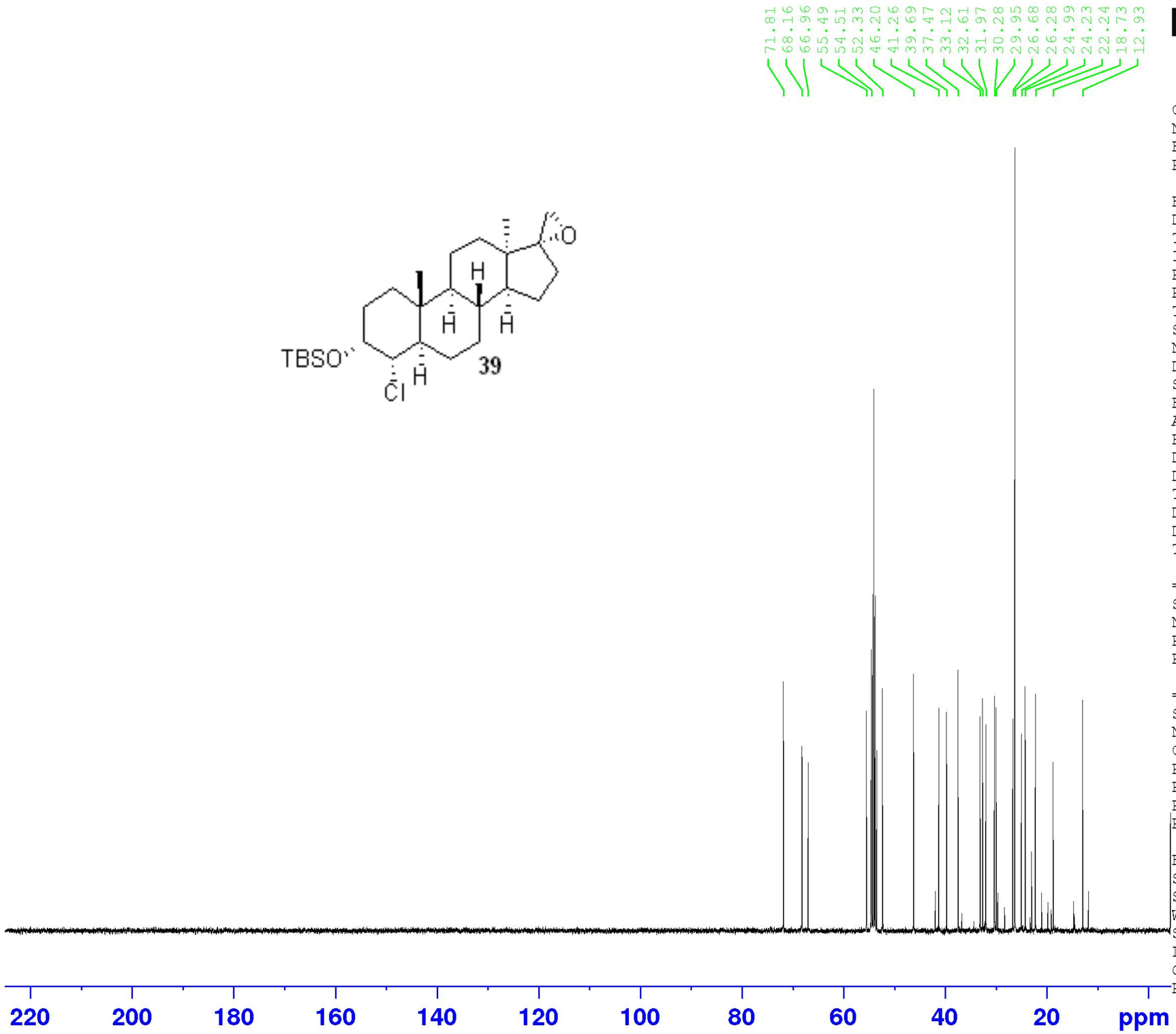



```
Current Data Parameters
NAME            NK-470-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170515
Time               16.49
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT           CD2Cl2
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 25.79
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300231 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



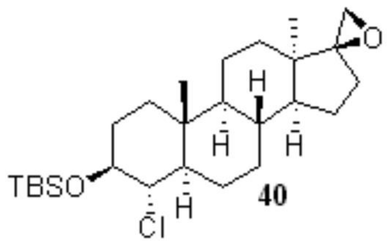

```
Current Data Parameters
NAME            NK-470-2
EXPNO                  2
PROCNO                 1

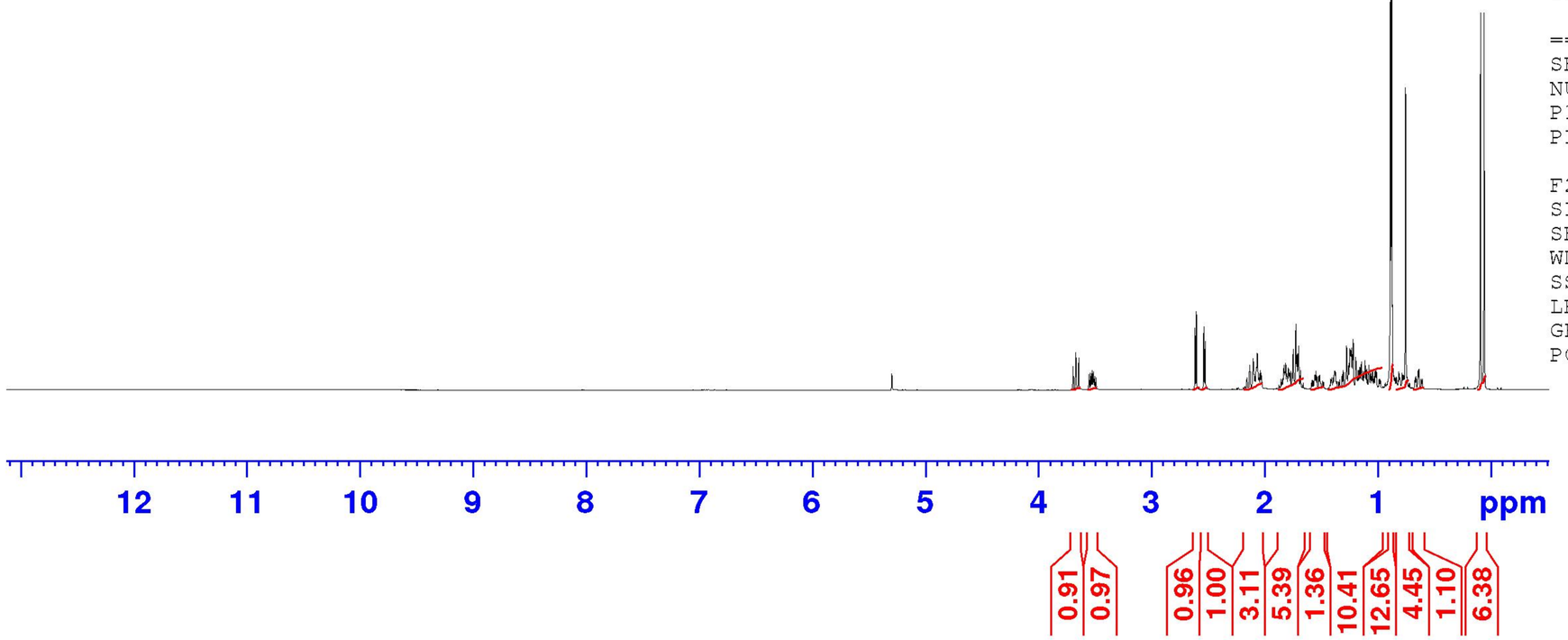
F2 - Acquisition Parameters
Date_           20170515
Time               17.10
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CD2Cl2
NS                   333
DS                     4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                298.0 K
D1             2.00000000 sec
D11            0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                  13C
P1                 9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                   1H
CPDPRG[2         waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127085 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```



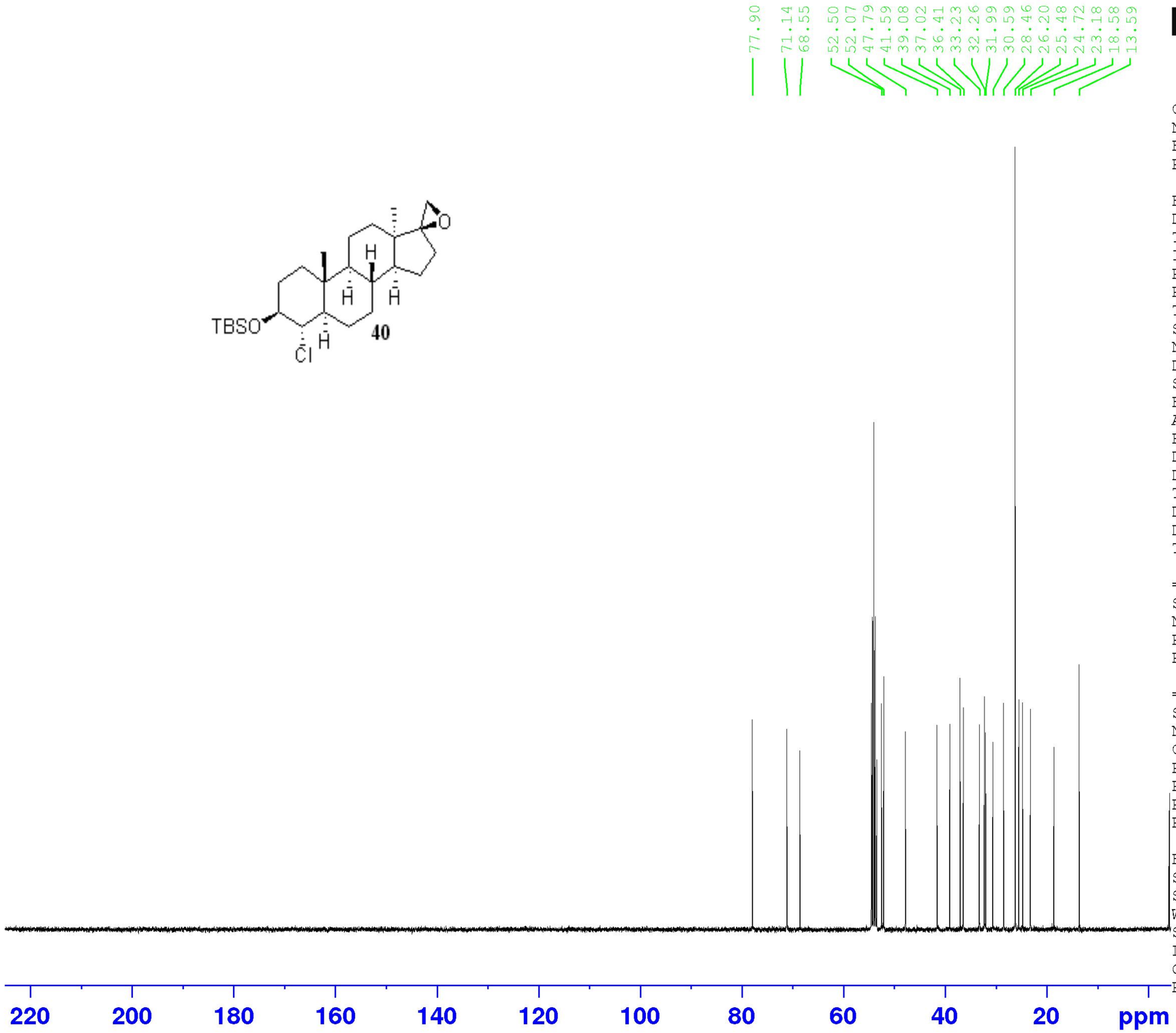



```
Current Data Parameters
NAME            NK-468-1
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170510
Time               17.37
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT           CD2Cl2
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 27.78
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300233 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



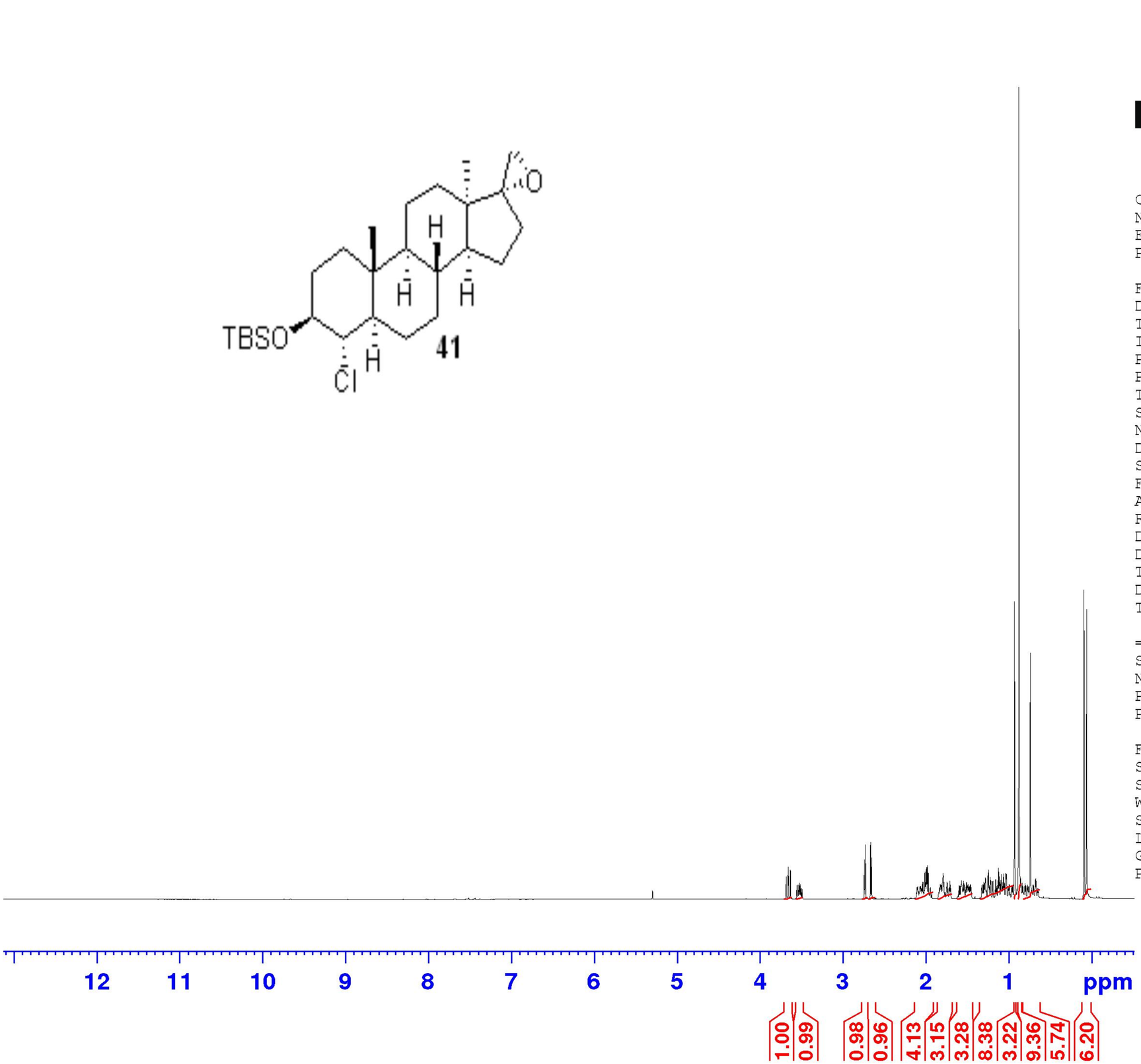

```
Current Data Parameters
NAME            NK-468-1
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170510
Time               18.02
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CD2Cl2
NS                   400
DS                     4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                298.0 K
D1             2.00000000 sec
D11            0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                 13C
P1                  9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                  1H
CPDPRG[2         waltz16
PCPD2              90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127109 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```

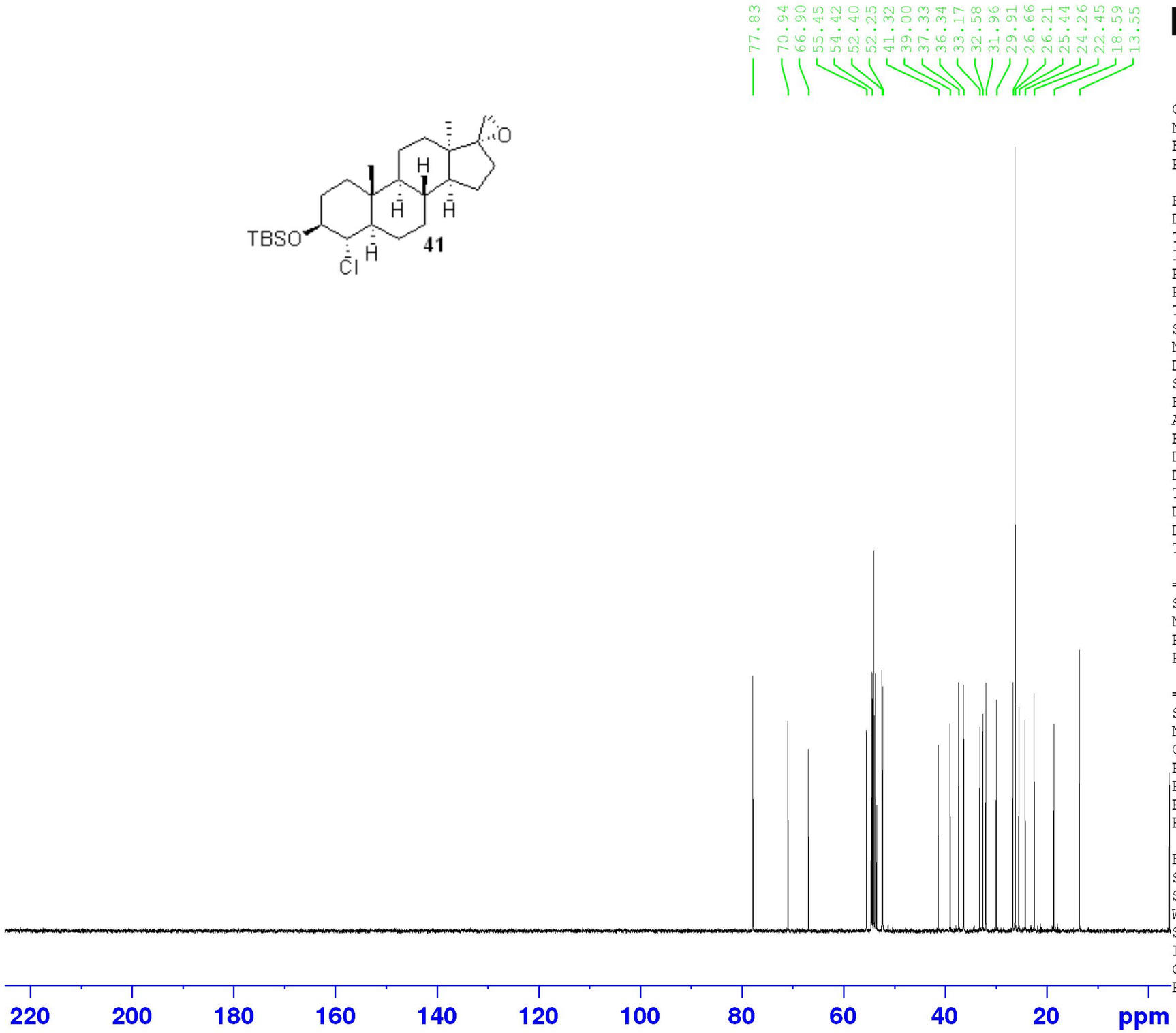



```
Current Data Parameters
NAME            NK-468-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170510
Time               17.08
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT           CD2Cl2
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 19.76
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300234 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



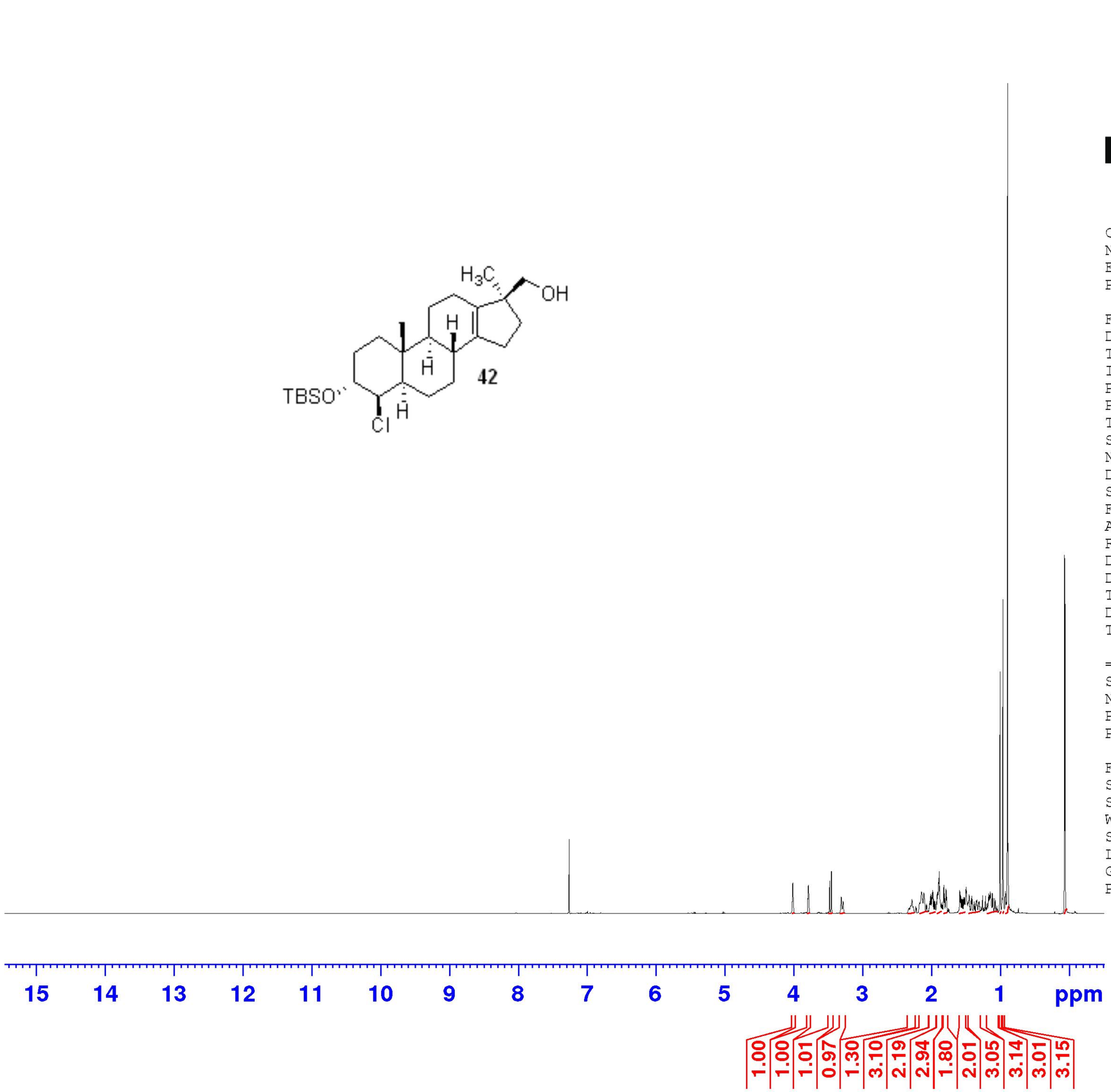

```
Current Data Parameters
NAME            NK-468-2
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170510
Time               17.33
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CD2Cl2
NS                   400
DS                     4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                298.0 K
D1             2.00000000 sec
D11            0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                 13C
P1                  9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2              90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127099 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```

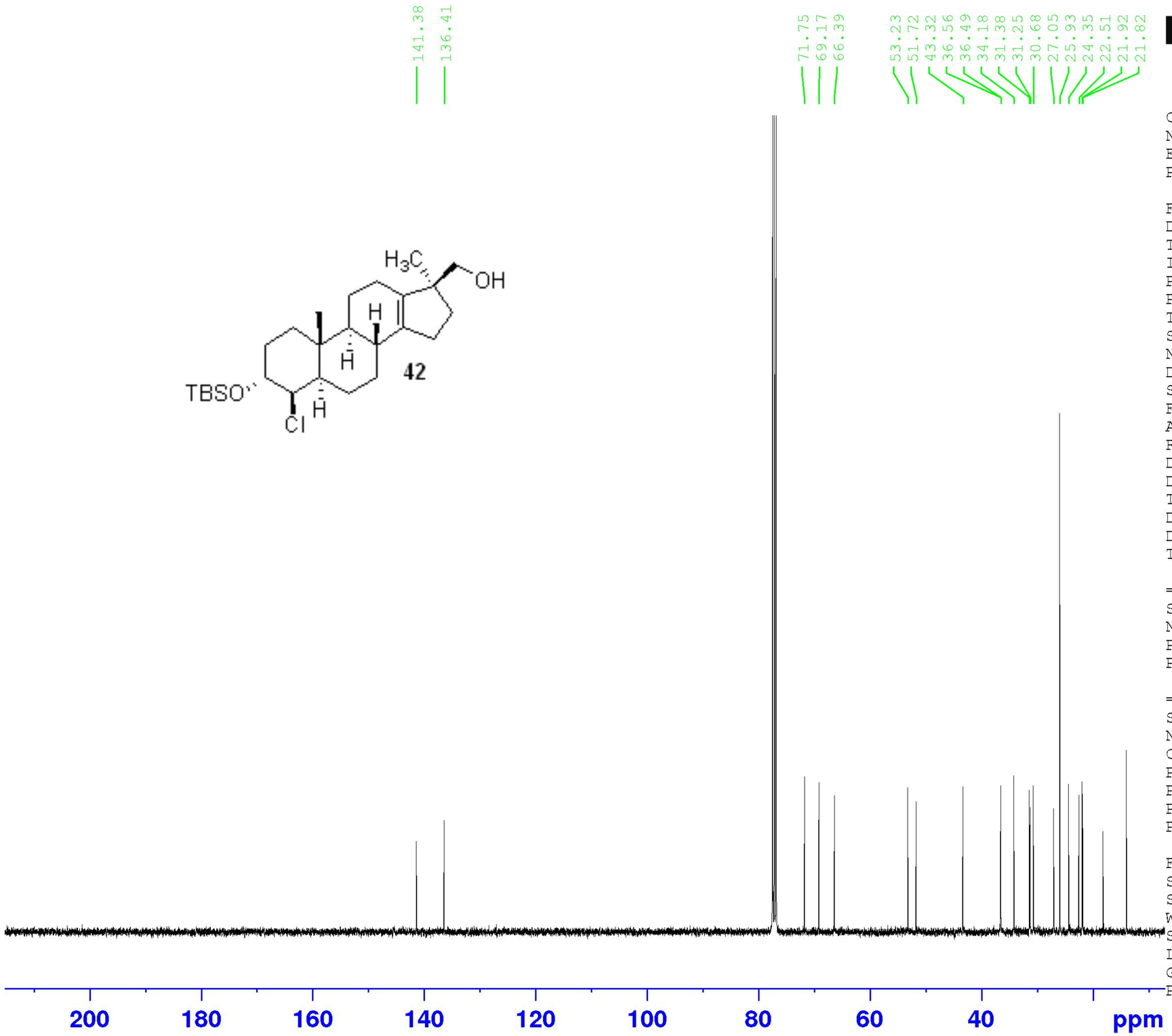



```
Current Data Parameters
NAME                 NK-439
EXPNO                     1
PROCNO                    1

F2 - Acquisition Parameters
Date_              20170327
Time                  19.02
INSTRUM               spect
PROBHD    5 mm PABBO BB/
PULPROG                zg30
TD                    32768
SOLVENT               CDCl3
NS                       16
DS                        0
SWH                6393.862 Hz
FIDRES             0.195125 Hz
AQ                2.5624576 sec
RG                    97.82
DW                   78.200 usec
DE                     6.50 usec
TE                    298.0 K
D1               1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
SFO1            400.1330010 MHz
NUC1                      1H
P1                     9.75 usec
PLW1            16.00000000 W

F2 - Processing parameters
SI                    16384
SF              400.1300098 MHz
WDW                       EM
SSB         0
LB                     0.30 Hz
GB          0
PC                     1.00
```



Current Data Parameters
NAME NK-439
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170328
Time 3.14
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 298.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

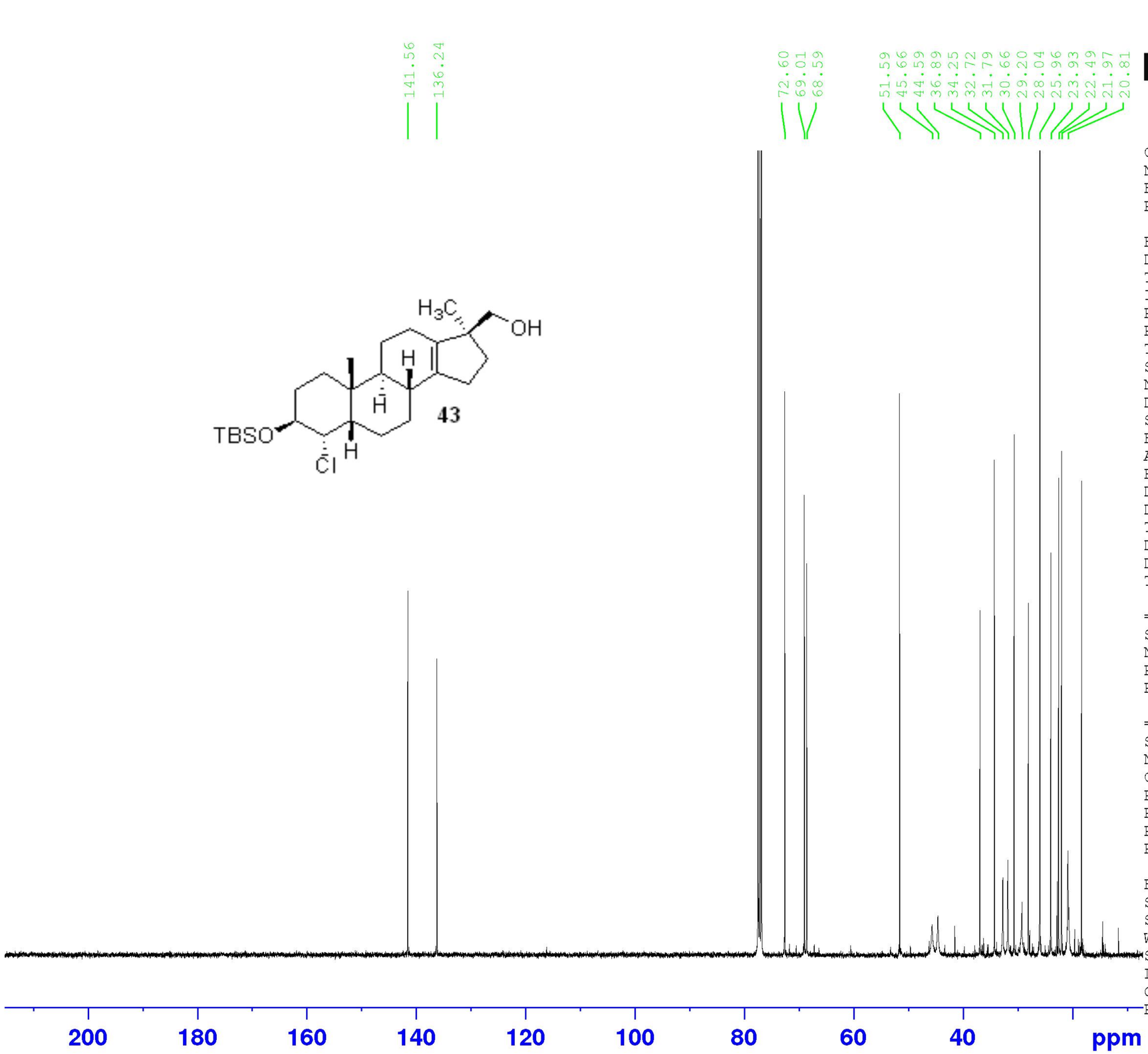
F2 - Processing parameters
SI 32768
SF 100.6127547 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

```
Current Data Parameters
NAME            NK-529-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170830
Time               16.01
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 31.52
DW                78.200 usec
DE                  6.50 usec
TE                298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300097 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



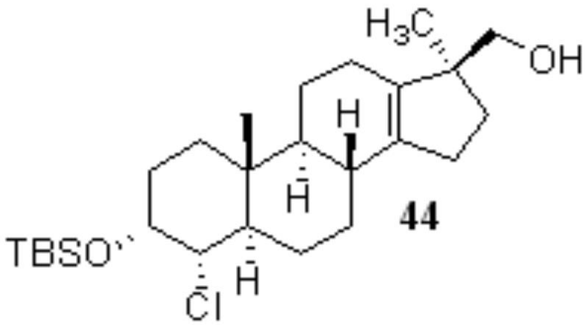

```
Current Data Parameters
NAME            NK-529-2
EXPNO                  3
PROCNO                 1

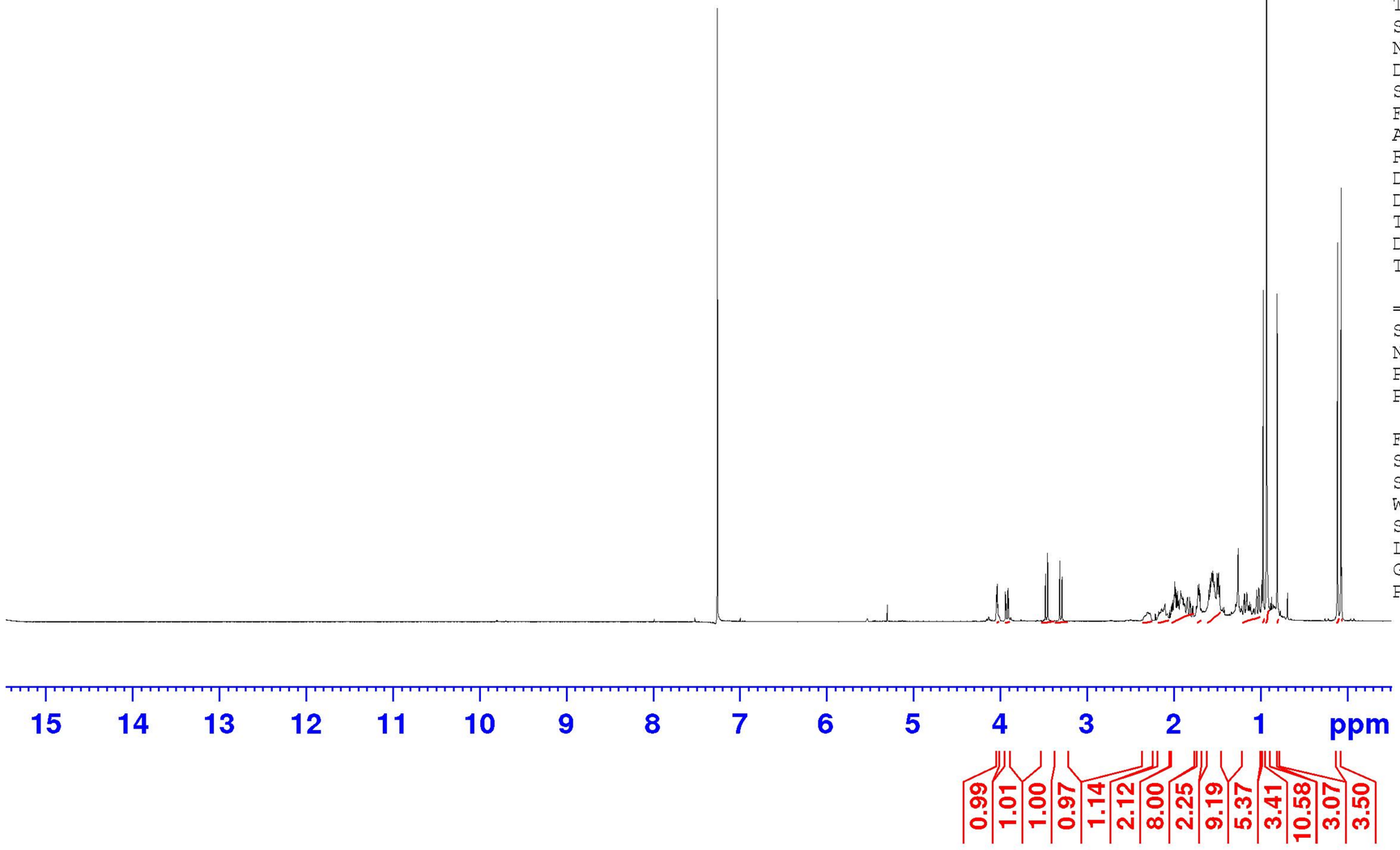
F2 - Acquisition Parameters
Date_           20170830
Time               23.27
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 4096
DS                    4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                 298.0 K
D1             2.00000000 sec
D11            0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                  13C
P1                 9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                   1H
CPDPRG[2         waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127552 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```



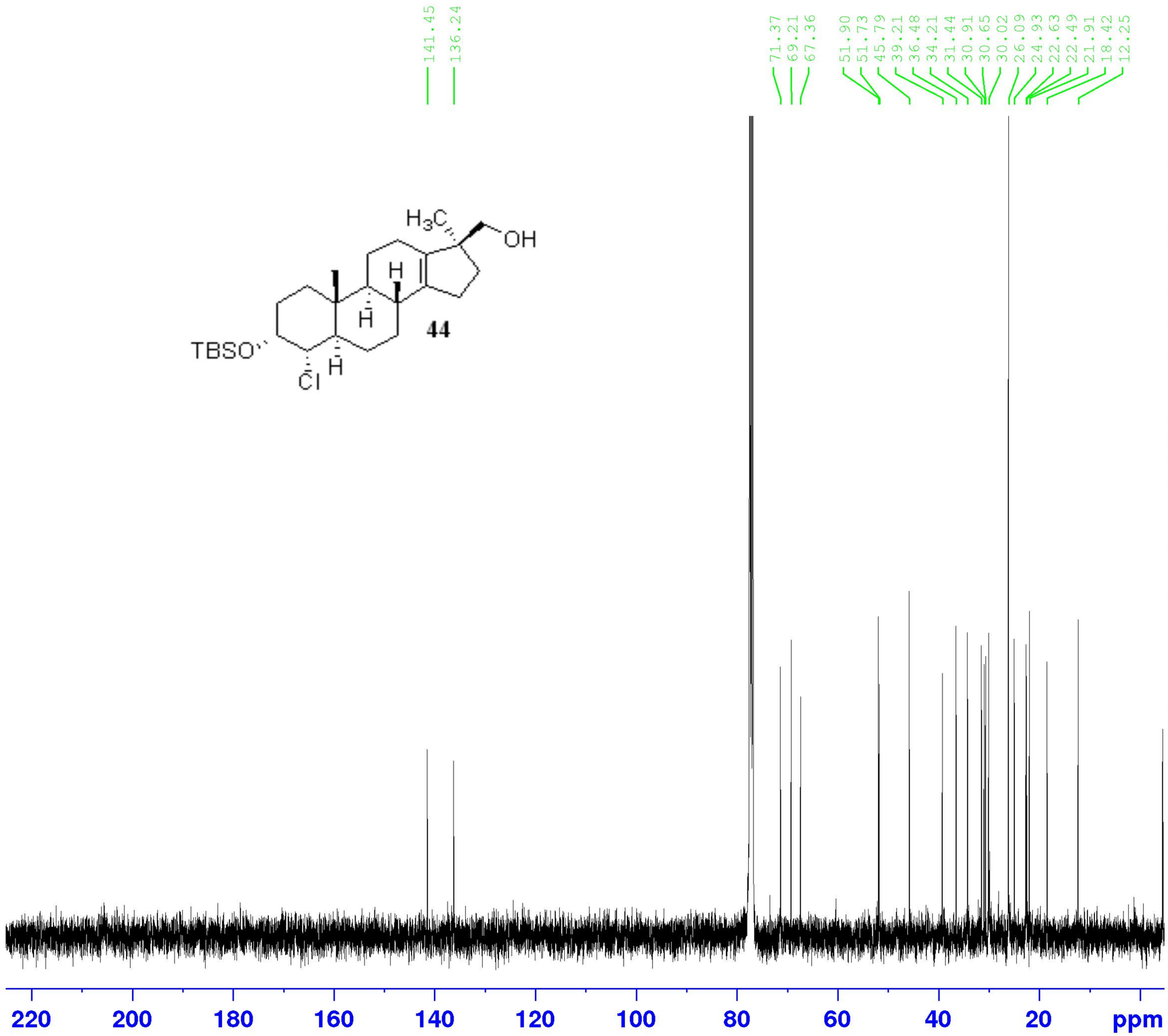



```
Current Data Parameters
NAME                 NK-472
EXPNO                     1
PROCNO                    1

F2 - Acquisition Parameters
Date_             20170526
Time                 14.13
INSTRUM              spect
PROBHD    5 mm PABBO BB/
PULPROG               zg30
TD                   32768
SOLVENT              CDCl3
NS                      16
DS                       0
SWH               6393.862 Hz
FIDRES            0.195125 Hz
AQ               2.5624576 sec
RG                  201.19
DW                  78.200 usec
DE                    6.50 usec
TE                   298.0 K
D1              1.00000000 sec
TD0                      1

======== CHANNEL f1 ========
SFO1           400.1330010 MHz
NUC1                    1H
P1                    9.75 usec
PLW1           16.00000000 W

F2 - Processing parameters
SI                   16384
SF             400.1300098 MHz
WDW                     EM
SSB        0
LB                    0.30 Hz
GB         0
PC                    1.00
```



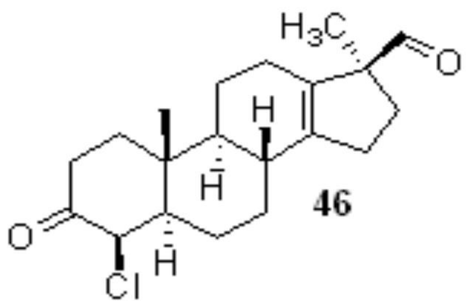

```
Current Data Parameters
NAME                 NK-472
EXPNO                     2
PROCNO                    1

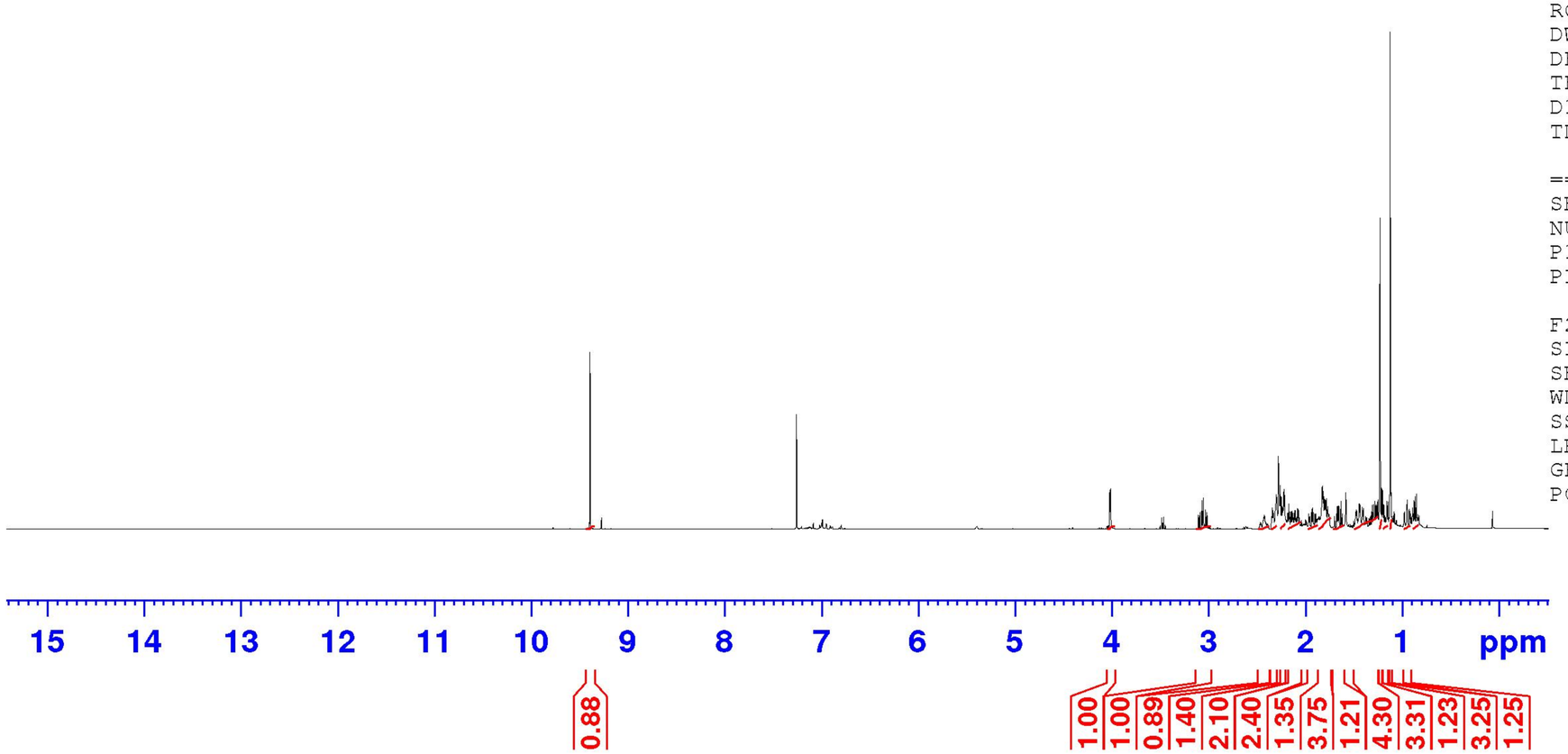
F2 - Acquisition Parameters
Date_             20170527
Time                  2.47
INSTRUM              spect
PROBHD    5 mm PABBO BB/
PULPROG            zgpg30
TD                  65536
SOLVENT             CDCl3
NS                   8000
DS                      4
SWH             23148.148 Hz
FIDRES           0.353213 Hz
AQ              1.4155777 sec
RG                 201.19
DW                 21.600 usec
DE                   6.50 usec
TE                  298.0 K
D1             2.00000000 sec
D11            0.03000000 sec
TD0                     1

======== CHANNEL f1 ========
SFO1          100.6238359 MHz
NUC1                  13C
P1                   9.00 usec
PLW1          75.00000000 W

======== CHANNEL f2 ========
SFO2          400.1316005 MHz
NUC2                   1H
CPDPRG[2          waltz16
PCPD2               90.00 usec
PLW2           0.18770000 W
PLW12          0.18770000 W
PLW13          0.15204000 W

F2 - Processing parameters
SI                   32768
SF            100.6127545 MHz
WDW                     EM
SSB       0
LB                   1.00 Hz
GB        0
PC                   1.40
```



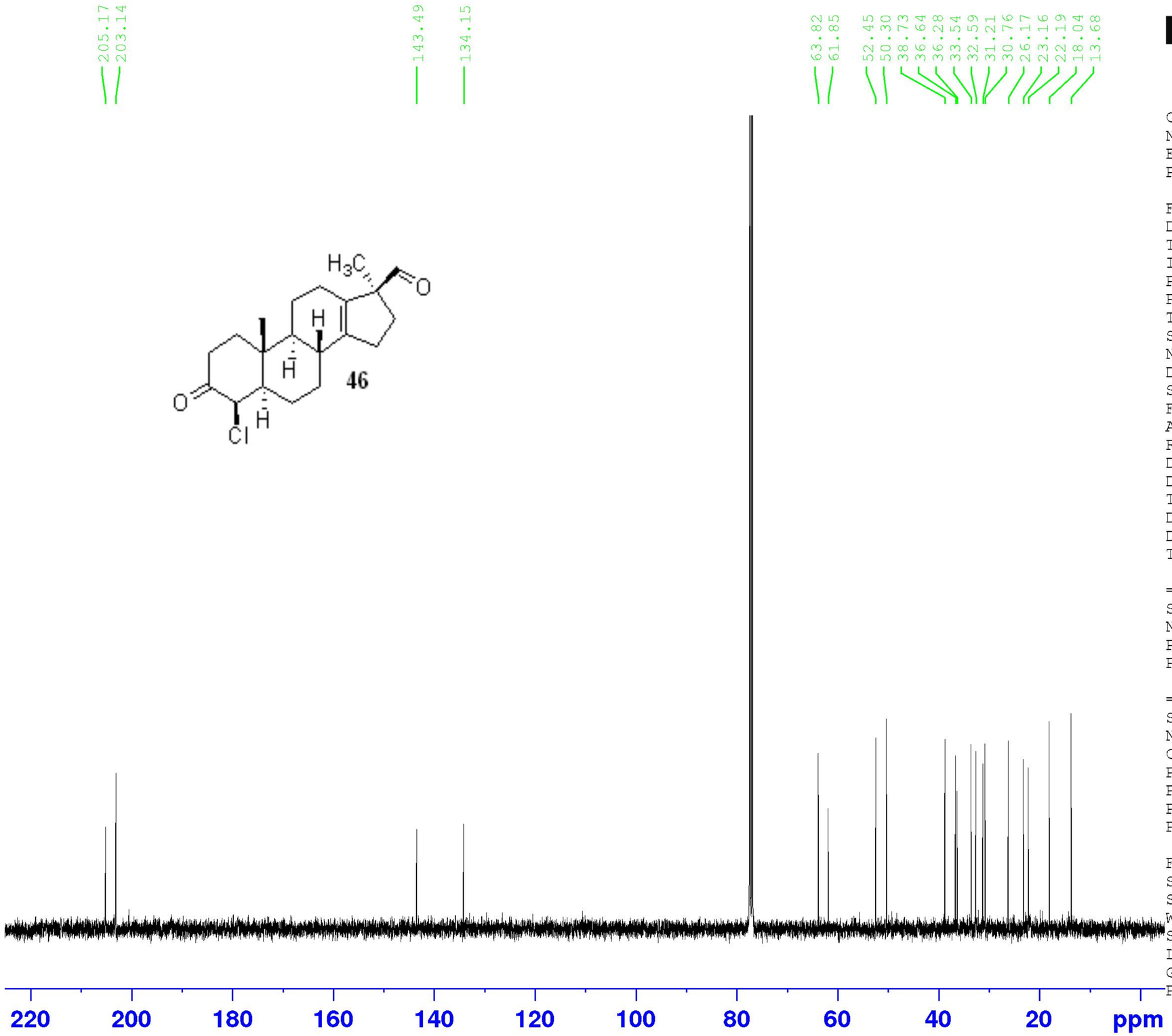



```
Current Data Parameters
NAME            NK-450-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170411
Time               11.13
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 72.39
DW                78.200 usec
DE                 6.50 usec
TE                298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300106 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



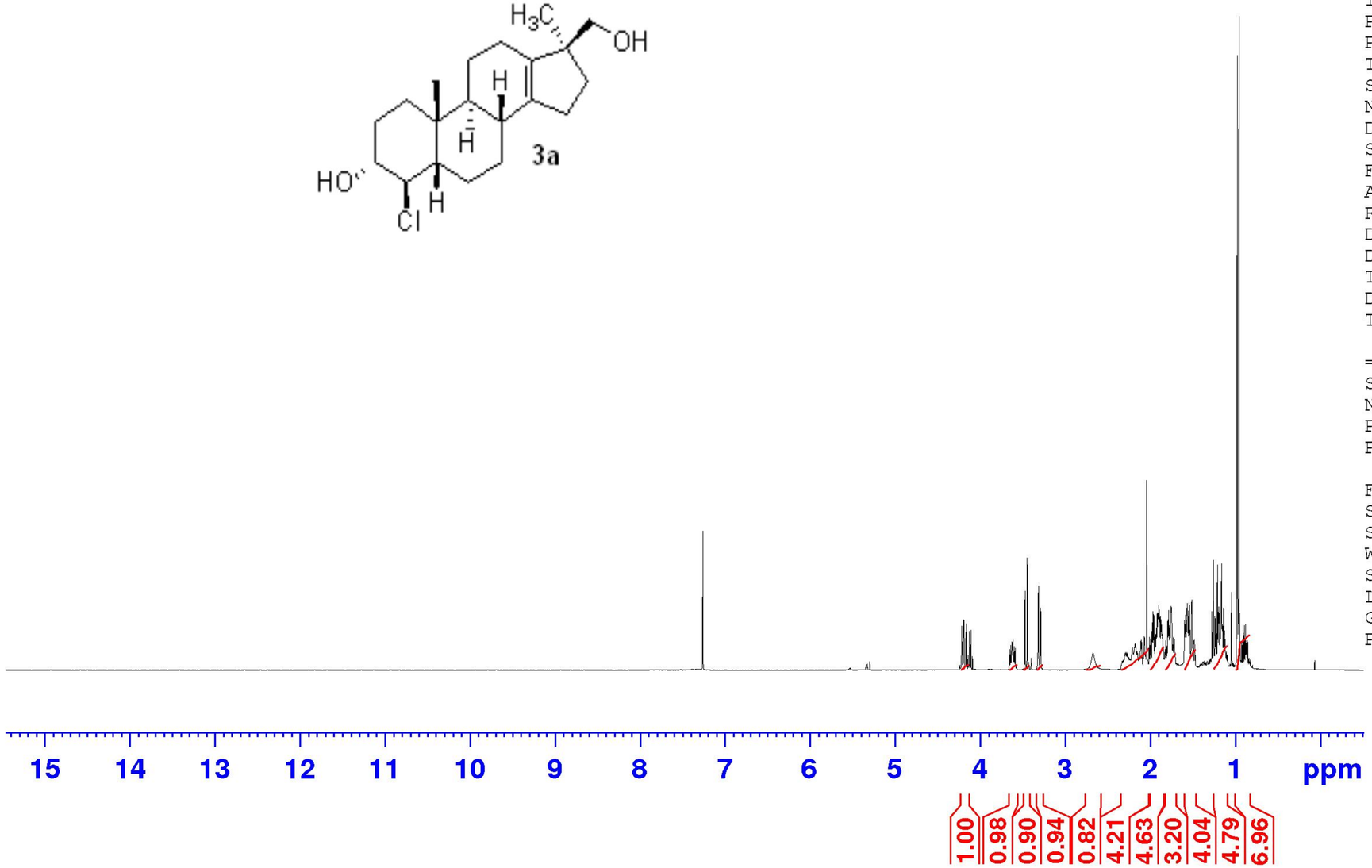

```
Current Data Parameters
NAME            NK-450-2
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170411
Time               11.32
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                  300
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                 9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2             90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF          100.6127555 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```

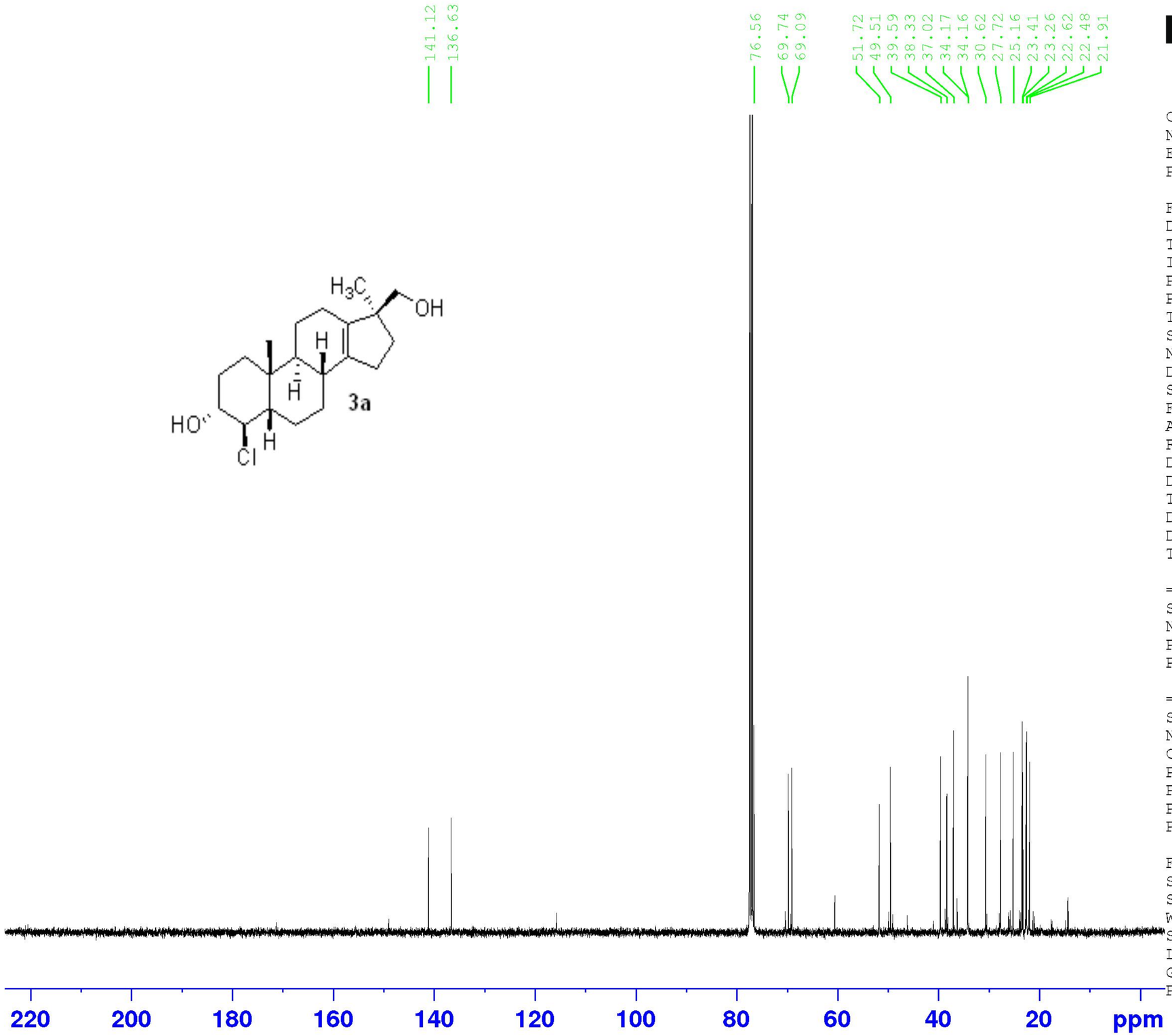



```
Current Data Parameters
NAME            SP-056-4
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20161012
Time               15.53
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 97.82
DW                78.200 usec
DE                  6.50 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



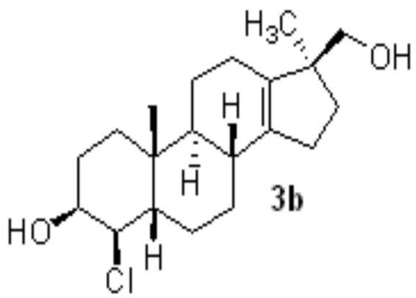

```
Current Data Parameters
NAME            SP-056-4
EXPNO                  2
PROCNO                 1

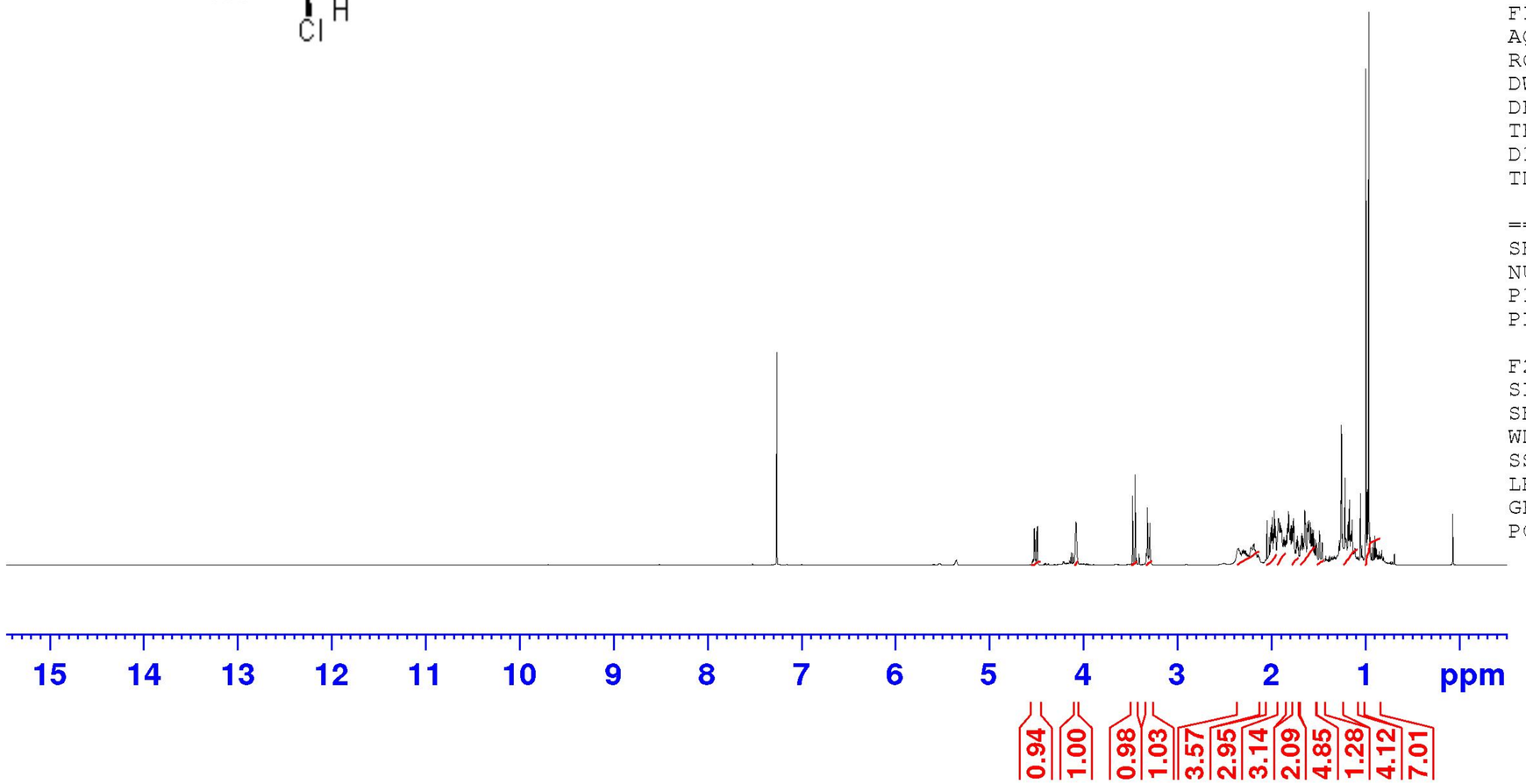
F2 - Acquisition Parameters
Date_           20161012
Time               23.50
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                 295.0 K
D1             2.00000000 sec
D11            0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                 13C
P1                  9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2              90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127567 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```



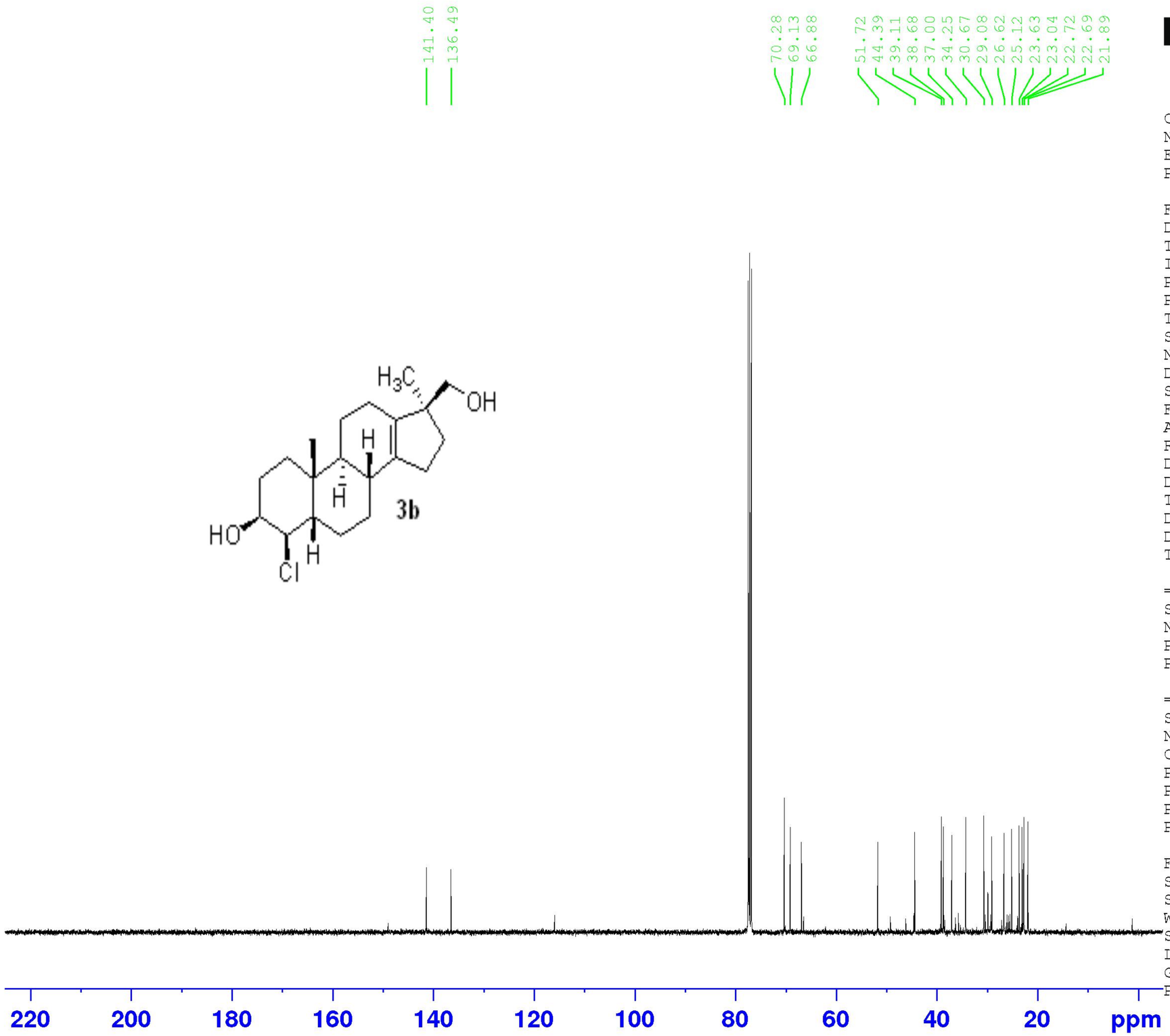



```
Current Data Parameters
NAME            SP-058-3
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20161020
Time               13.34
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 143.3
DW                78.200 usec
DE                 6.50 usec
TE                295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300094 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



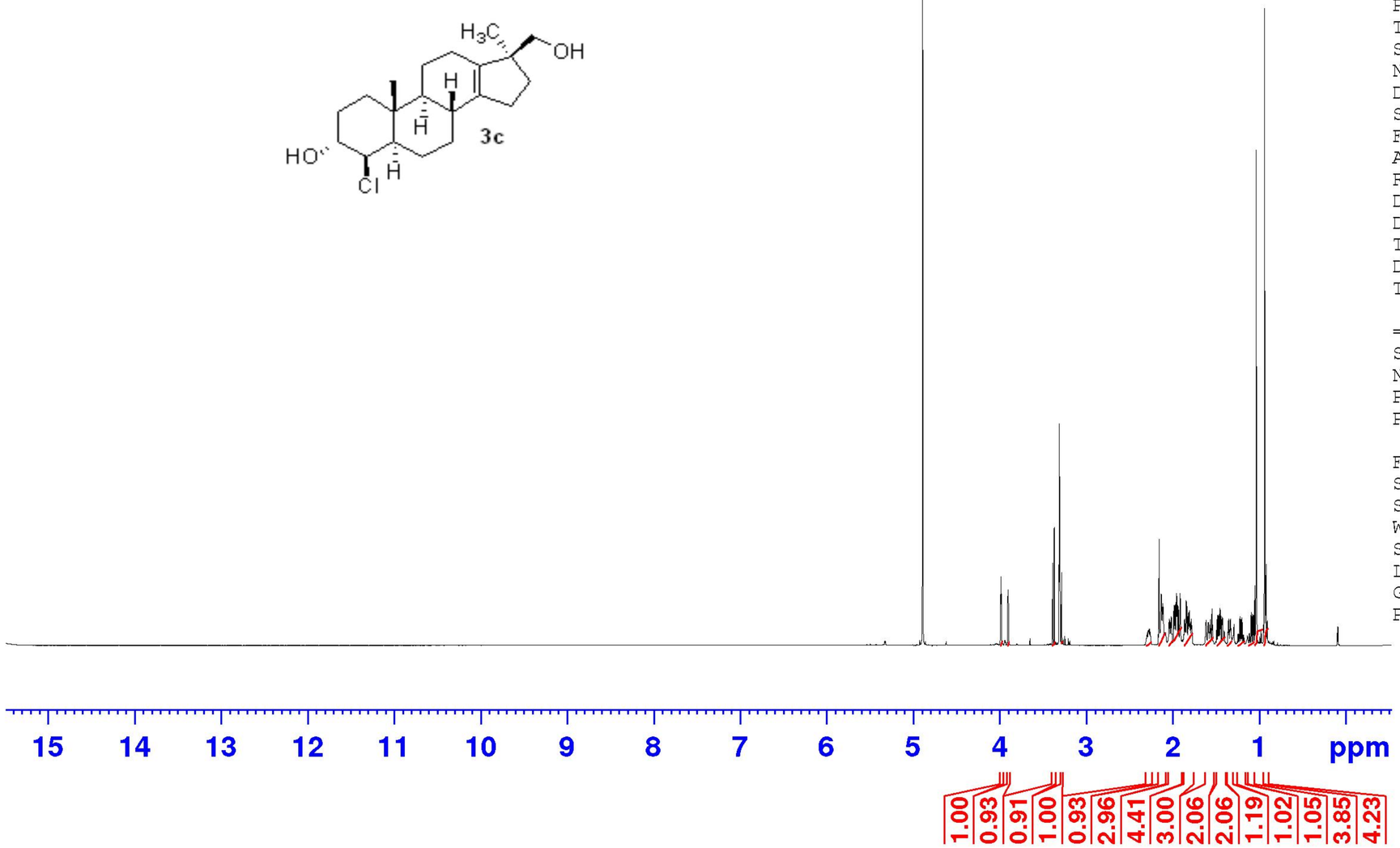
Current Data Parameters
NAME SP-058-7
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20161020
Time 21.07
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 23148.148 Hz
FIDRES 0.353213 Hz
AQ 1.4155777 sec
RG 201.19
DW 21.600 usec
DE 6.50 usec
TE 295.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6238359 MHz
NUC1 13C
P1 9.00 usec
PLW1 75.00000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 0.18770000 W
PLW12 0.18770000 W
PLW13 0.15204000 W

F2 - Processing parameters
SI 32768
SF 100.6127567 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

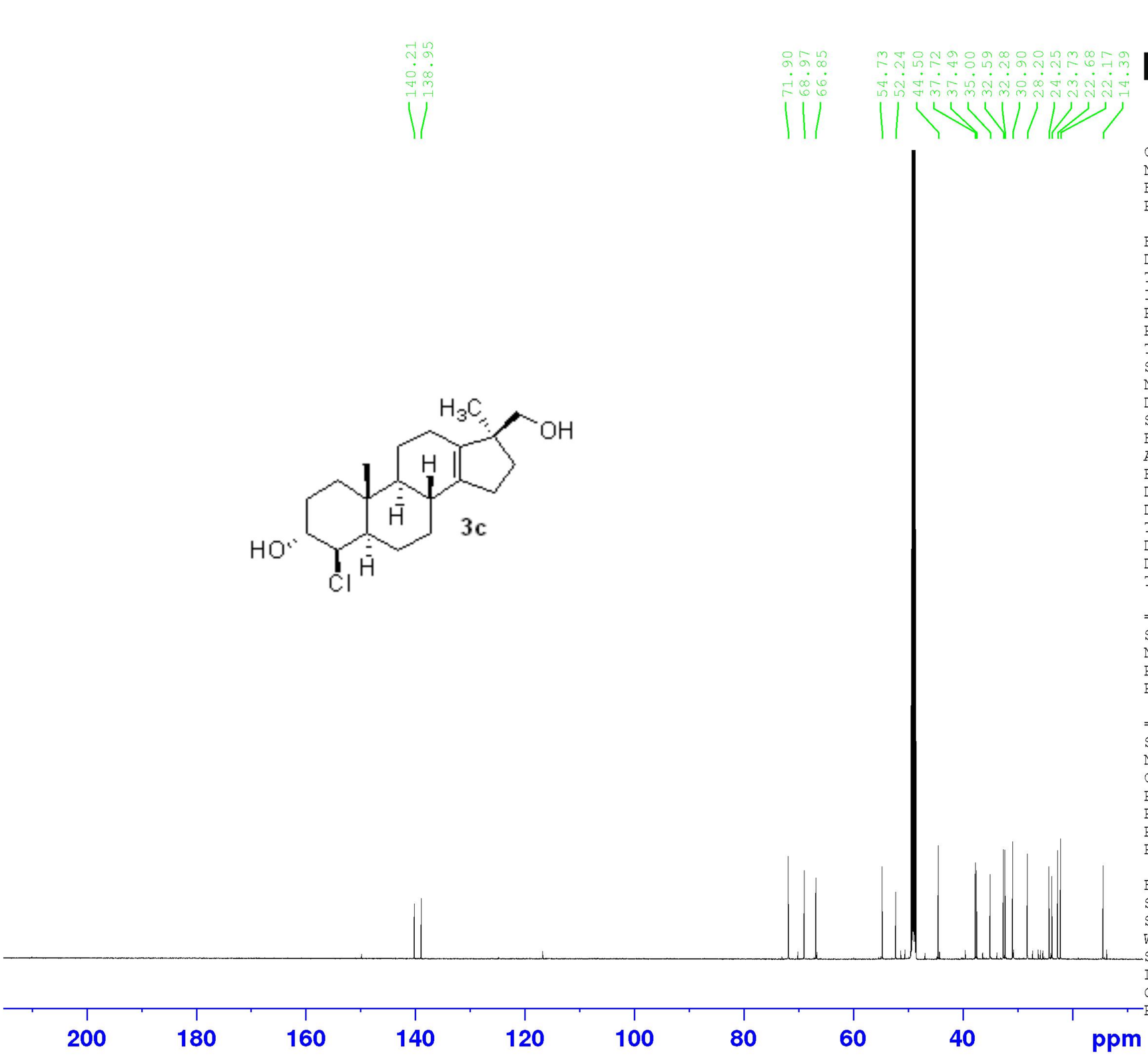



```
Current Data Parameters
NAME        NK-445-2_600
EXPNO                 10
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170408
Time                4.35
INSTRUM            spect
PROBHD   5 mm CPPBBO BB
PULPROG             zg30
TD                 65536
SOLVENT             MeOD
NS                    16
DS                     2
SWH             9615.385 Hz
FIDRES          0.146719 Hz
AQ             3.4078720 sec
RG                 77.94
DW                52.000 usec
DE                 28.00 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         600.1545011 MHz
NUC1                  1H
P1                 12.00 usec
PLW1         22.00000000 W

F2 - Processing parameters
SI                 32768
SF           600.1500116 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



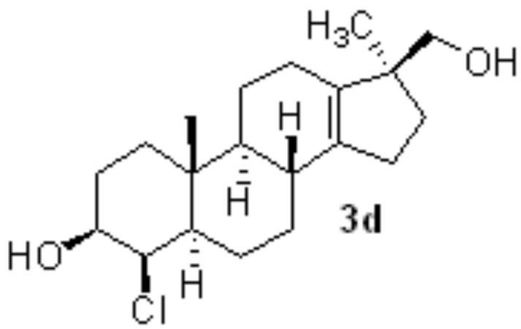

```
Current Data Parameters
NAME        NK-445-2_600
EXPNO                 11
PROCNO                 1

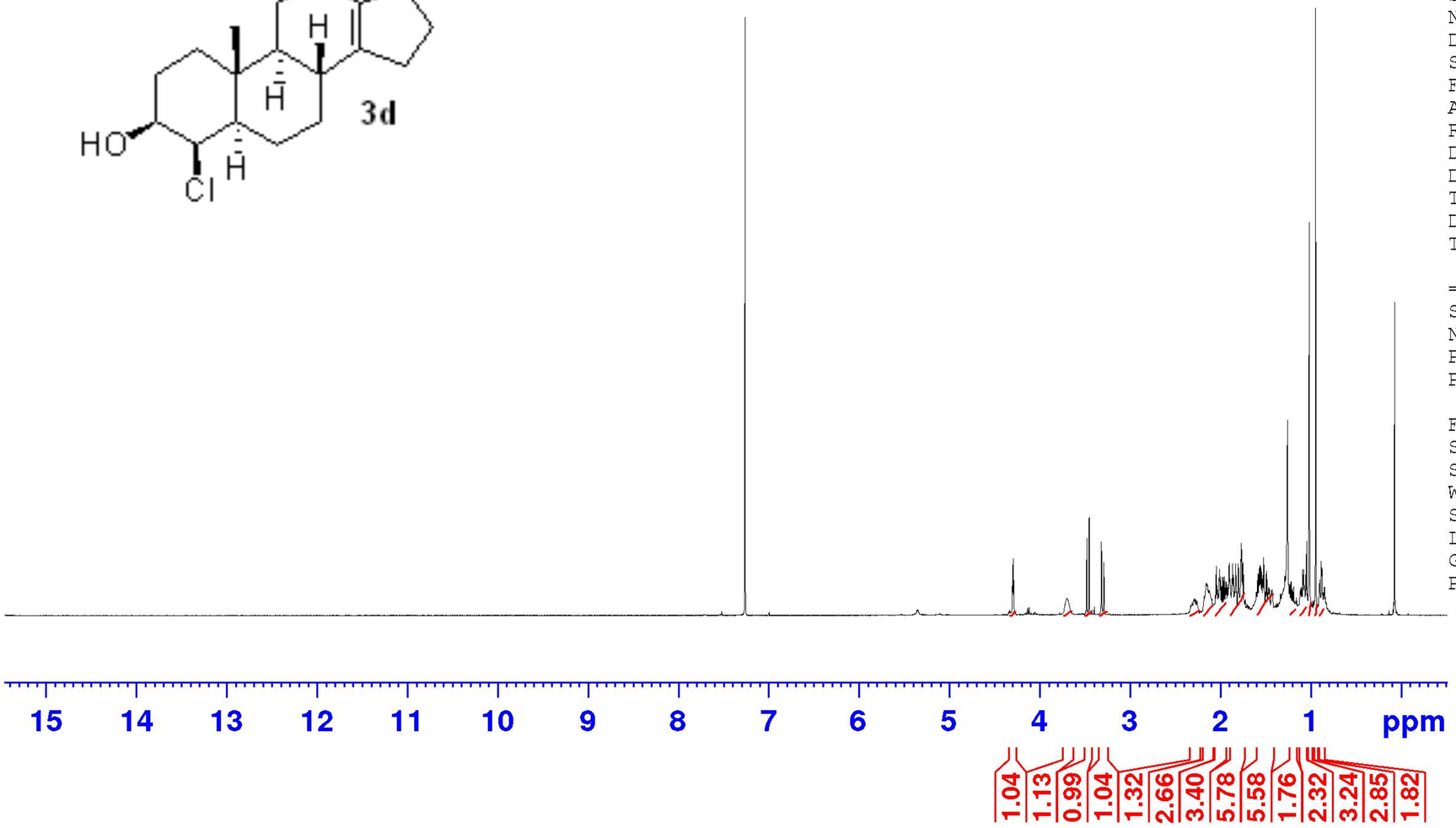
F2 - Acquisition Parameters
Date_           20170408
Time                8.00
INSTRUM            spect
PROBHD   5 mm CPPBBO BB
PULPROG          zgpg30
TD                65536
SOLVENT            MeOD
NS                 4096
DS                    4
SWH           35714.285 Hz
FIDRES         0.544957 Hz
AQ            0.9175040 sec
RG               194.73
DW               14.000 usec
DE                18.00 usec
TE                295.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1        150.9236829 MHz
NUC1                 13C
P1                10.00 usec
PLW1        58.00000000 W

======== CHANNEL f2 ========
SFO2        600.1524006 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2             70.00 usec
PLW2        22.00000000 W
PLW12        0.64652997 W
PLW13        0.31680000 W

F2 - Processing parameters
SI                 32768
SF          150.9076268 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```



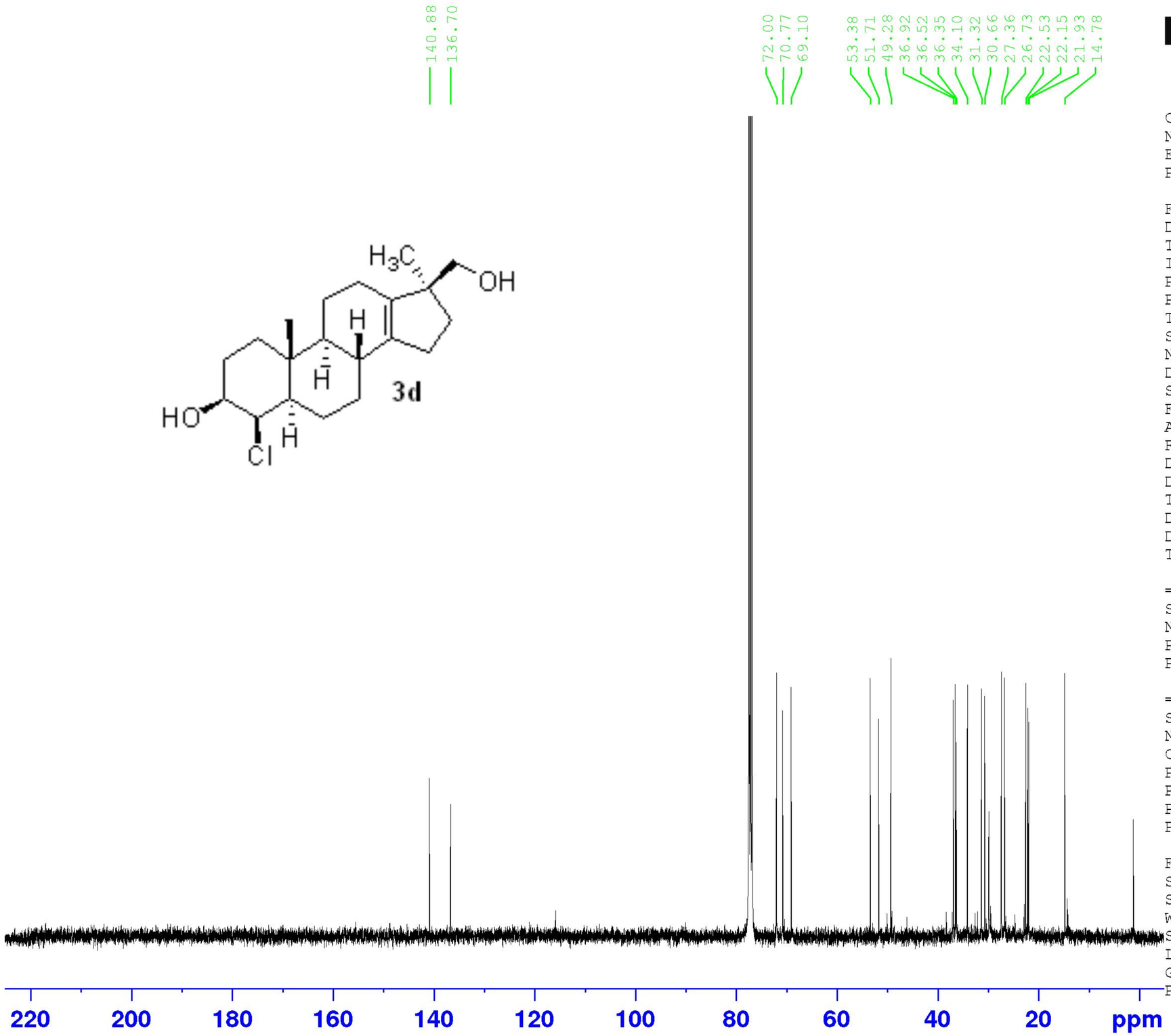



```
Current Data Parameters
NAME            NK-451-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170419
Time               13.53
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                201.19
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                 9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



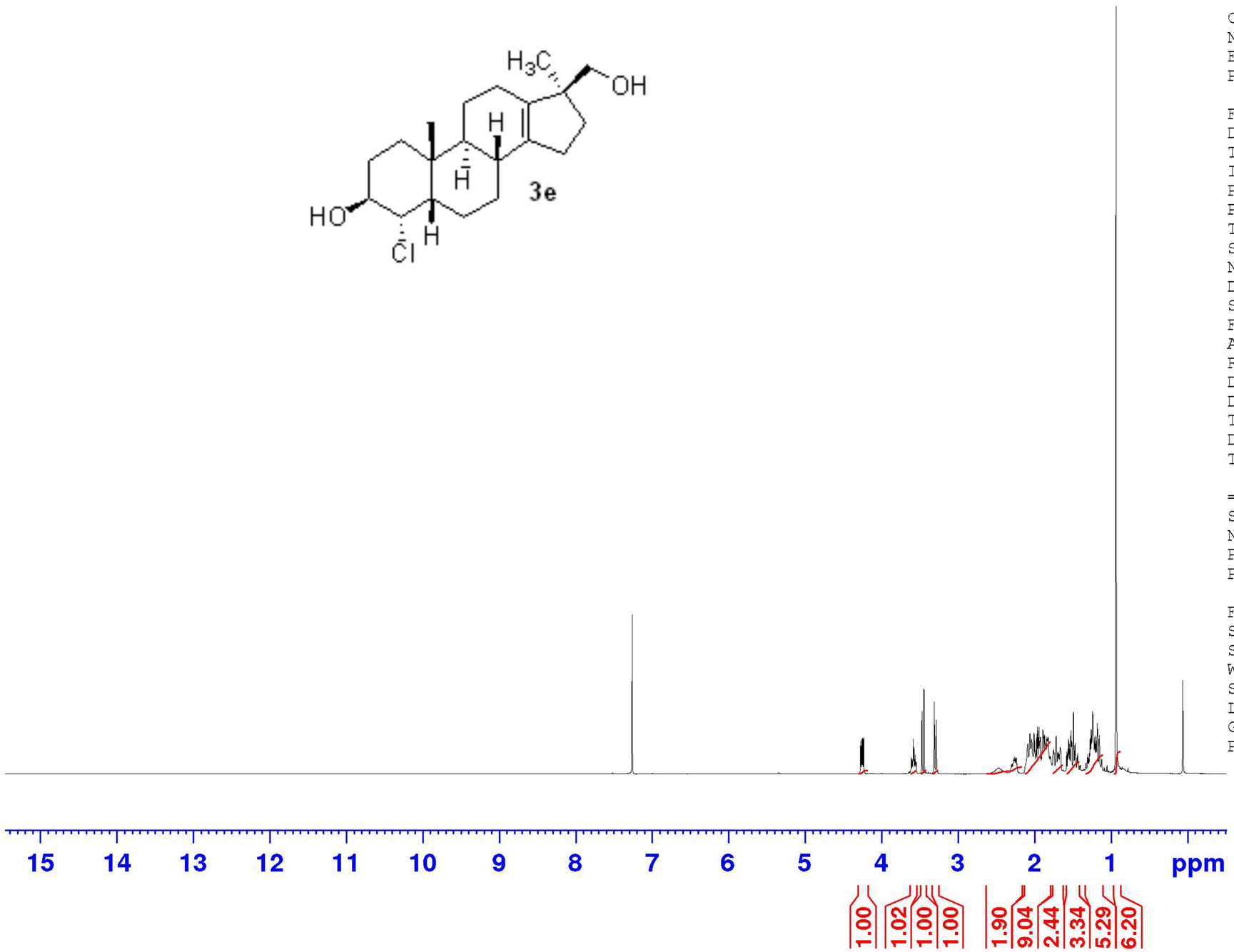

```
Current Data Parameters
NAME            NK-451-2
EXPNO                   3
PROCNO                  1

F2 - Acquisition Parameters
Date_           20170429
Time               22.38
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                10000
DS                    4
SWH            23148.148 Hz
FIDRES          0.353213 Hz
AQ             1.4155777 sec
RG                201.19
DW                21.600 usec
DE                  6.50 usec
TE                298.0 K
D1             2.00000000 sec
D11            0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         100.6238359 MHz
NUC1                 13C
P1                  9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2         400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2              90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF           100.6127544 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```

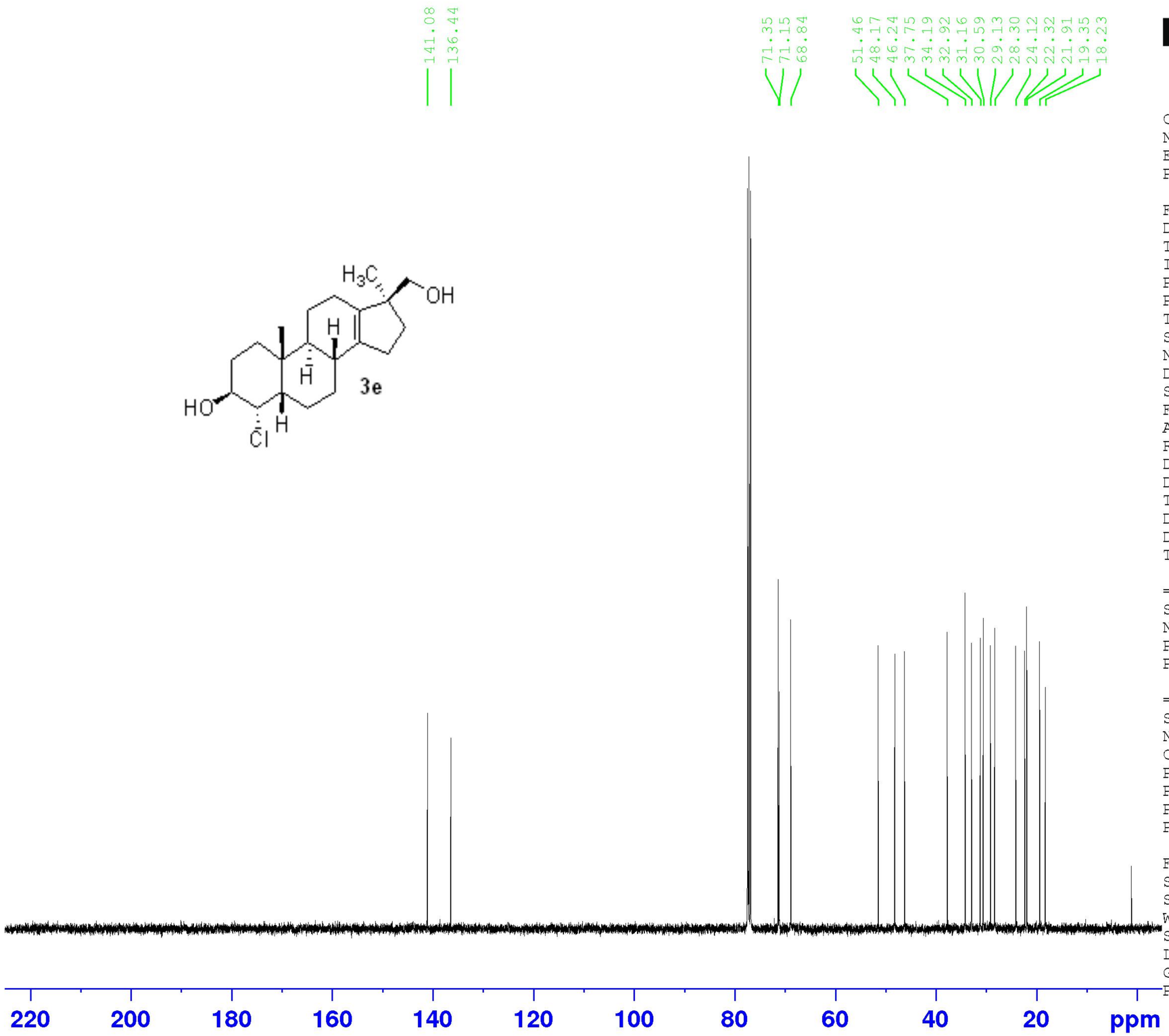



```
Current Data Parameters
NAME            NK-531-2
EXPNO                  1
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170901
Time               15.04
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 39.08
DW                78.200 usec
DE                  6.50 usec
TE                298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300098 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



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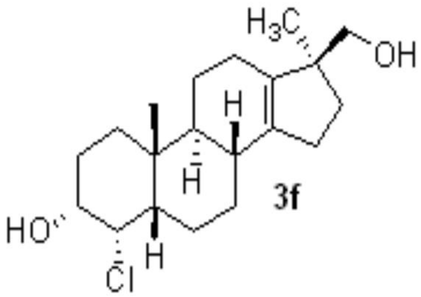
```
Current Data Parameters
NAME            NK-531-2
EXPNO                  2
PROCNO                 1

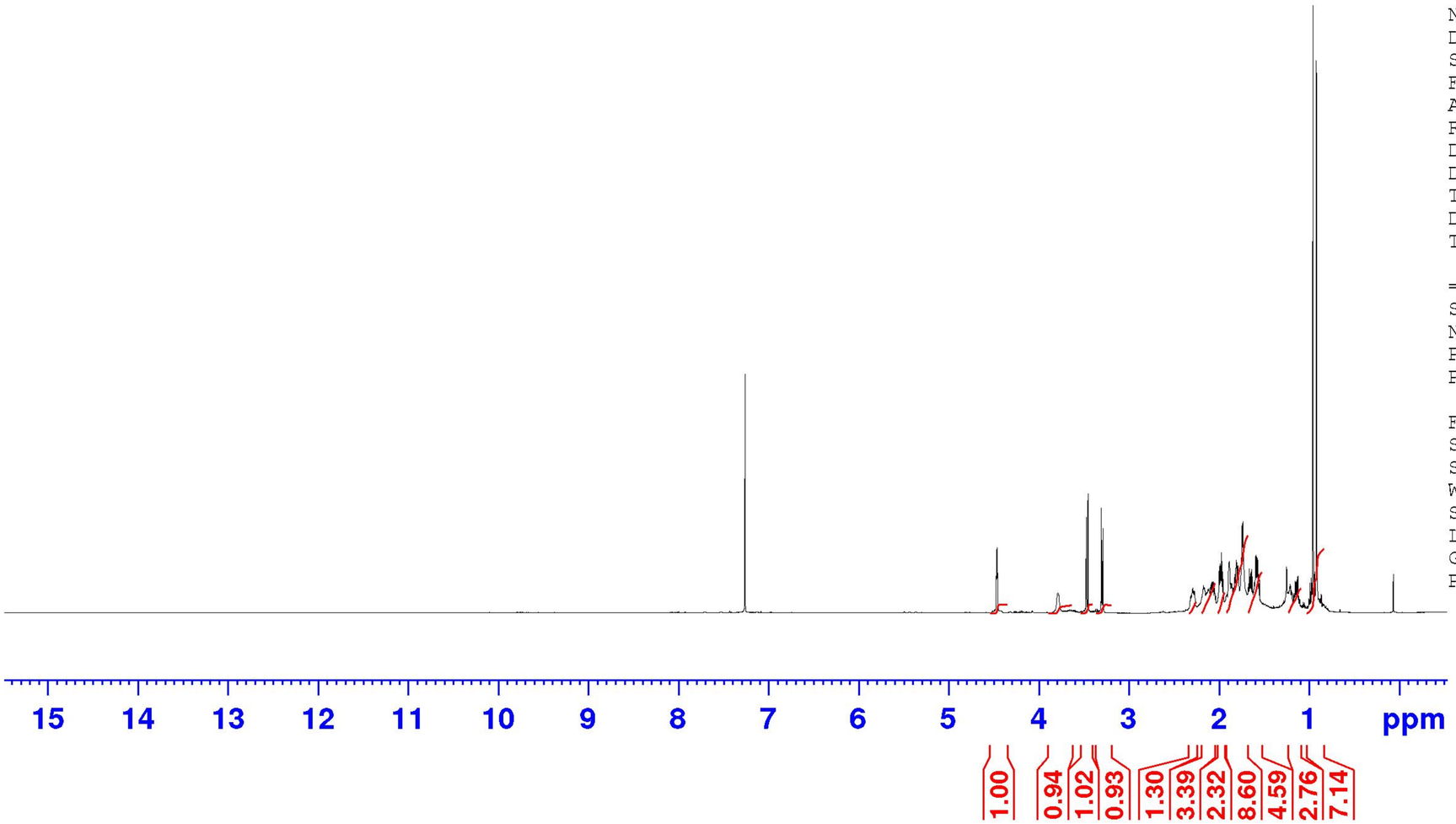
F2 - Acquisition Parameters
Date_           20170901
Time               16.21
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                  333
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                9.00 usec
PLW1        75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2            90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF          100.6127594 MHz
WDW                   EM
SSB       0
LB                1.00 Hz
GB        0
PC                1.40
```



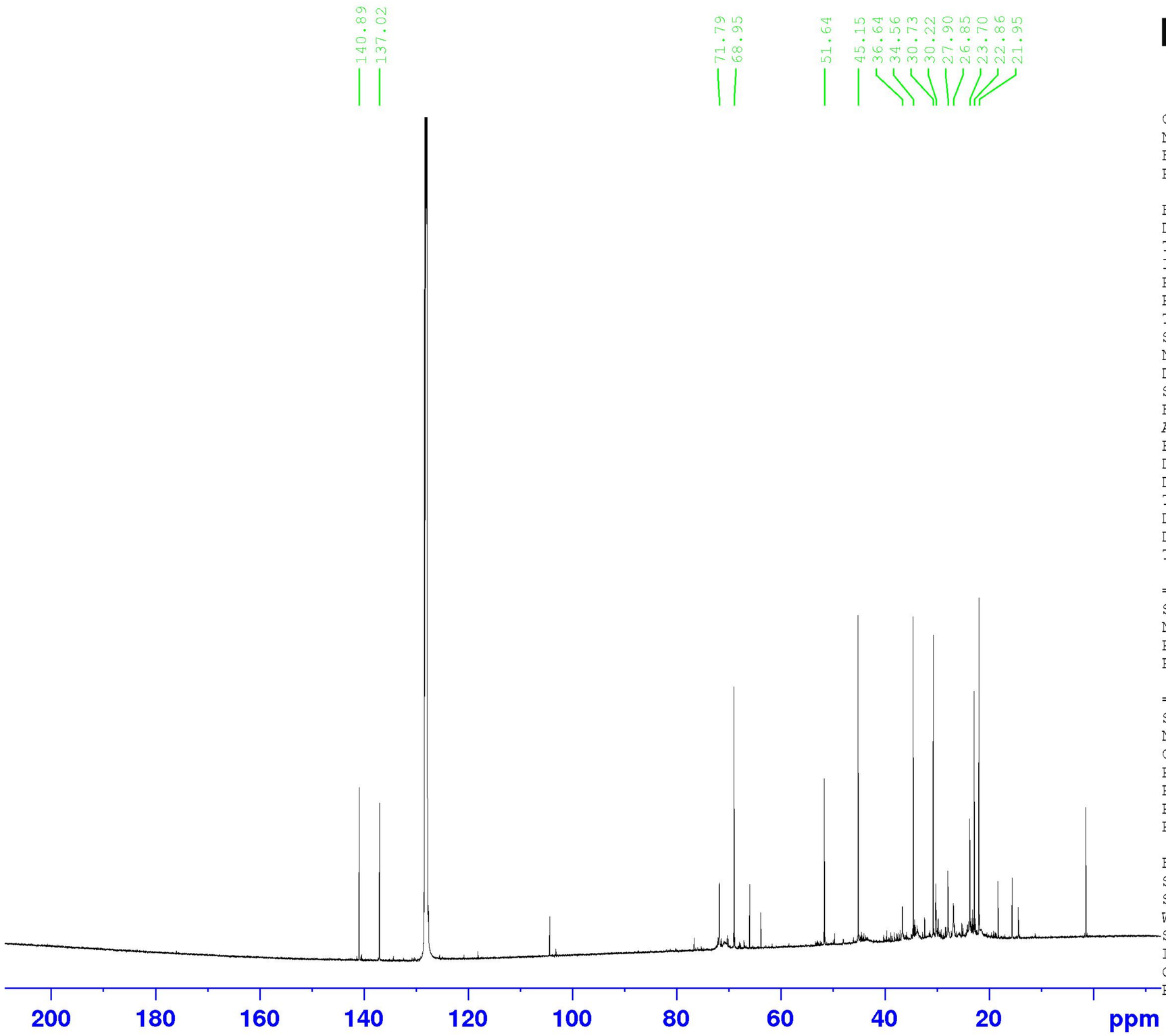



```
Current Data Parameters
NAME            NK-535-2
EXPNO                 10
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170907
Time               17.29
INSTRUM            spect
PROBHD   5 mm CPPBBO BB
PULPROG             zg30
TD                 65536
SOLVENT            CDCl3
NS                    32
DS                     2
SWH             9615.385 Hz
FIDRES          0.146719 Hz
AQ             3.4078720 sec
RG                 77.94
DW                52.000 usec
DE                 28.00 usec
TE                 295.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         600.1545011 MHz
NUC1                  1H
P1                 12.00 usec
PLW1         22.00000000 W

F2 - Processing parameters
SI                 32768
SF           600.1500146 MHz
WDW                   EM
SSB       0
LB                  0.30 Hz
GB        0
PC                  1.00
```



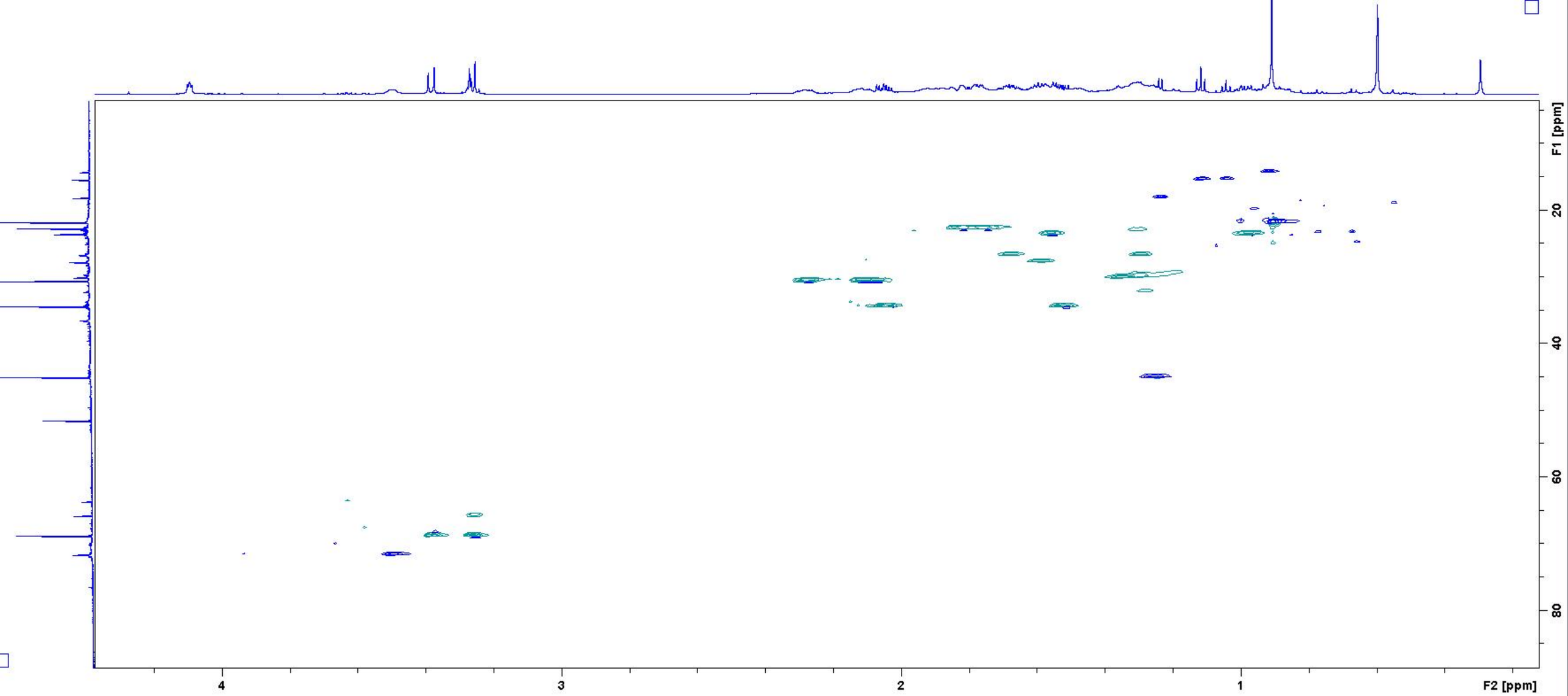

```
Current Data Parameters
NAME          NK-535_600
EXPNO                 12
PROCNO                 1

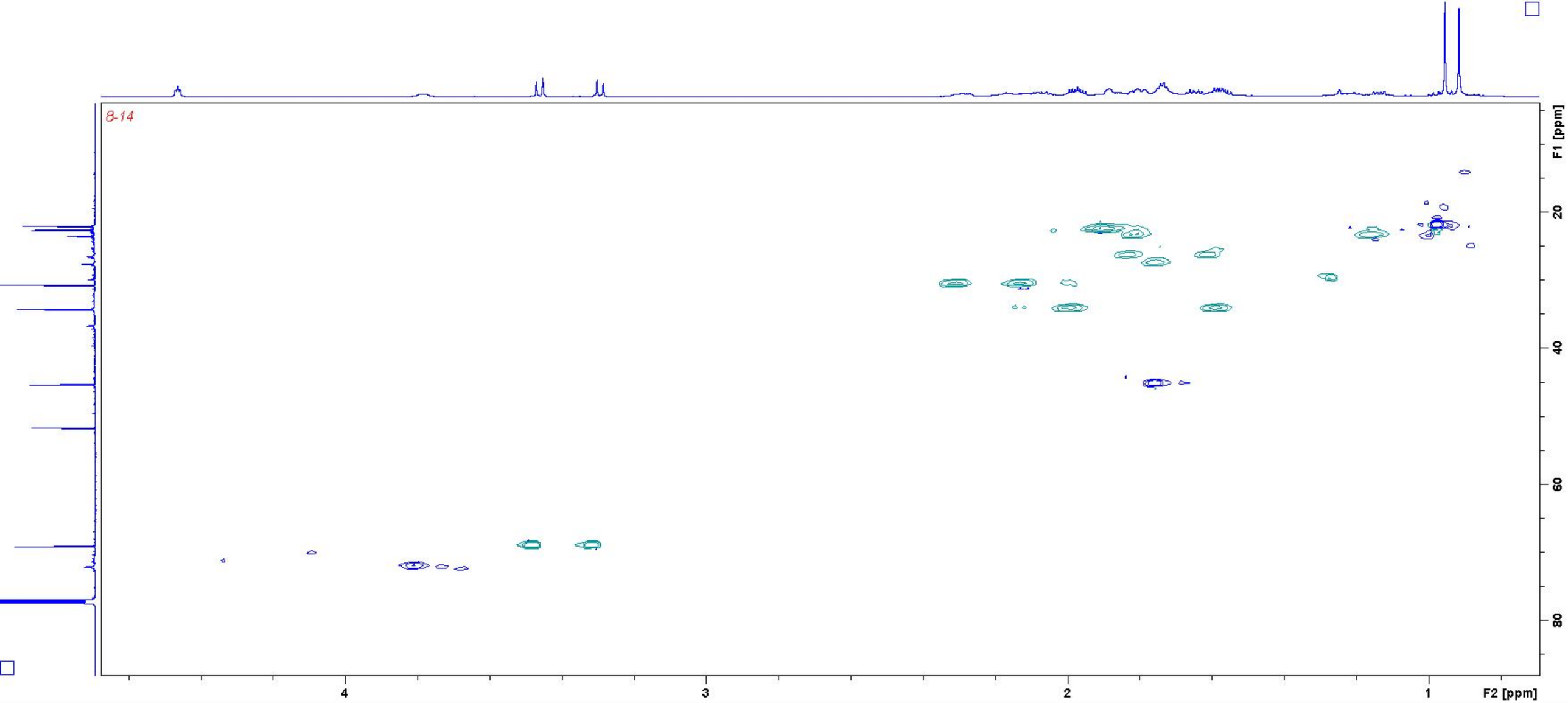
F2 - Acquisition Parameters
Date_           20180220
Time                5.13
INSTRUM            spect
PROBHD   5 mm CPPBBO BB
PULPROG          zgpg30
TD                65536
SOLVENT            C6D6
NS                14336
DS                    4
SWH           35714.285 Hz
FIDRES         0.544957 Hz
AQ            0.9175040 sec
RG               194.73
DW               14.000 usec
DE                18.00 usec
TE                295.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

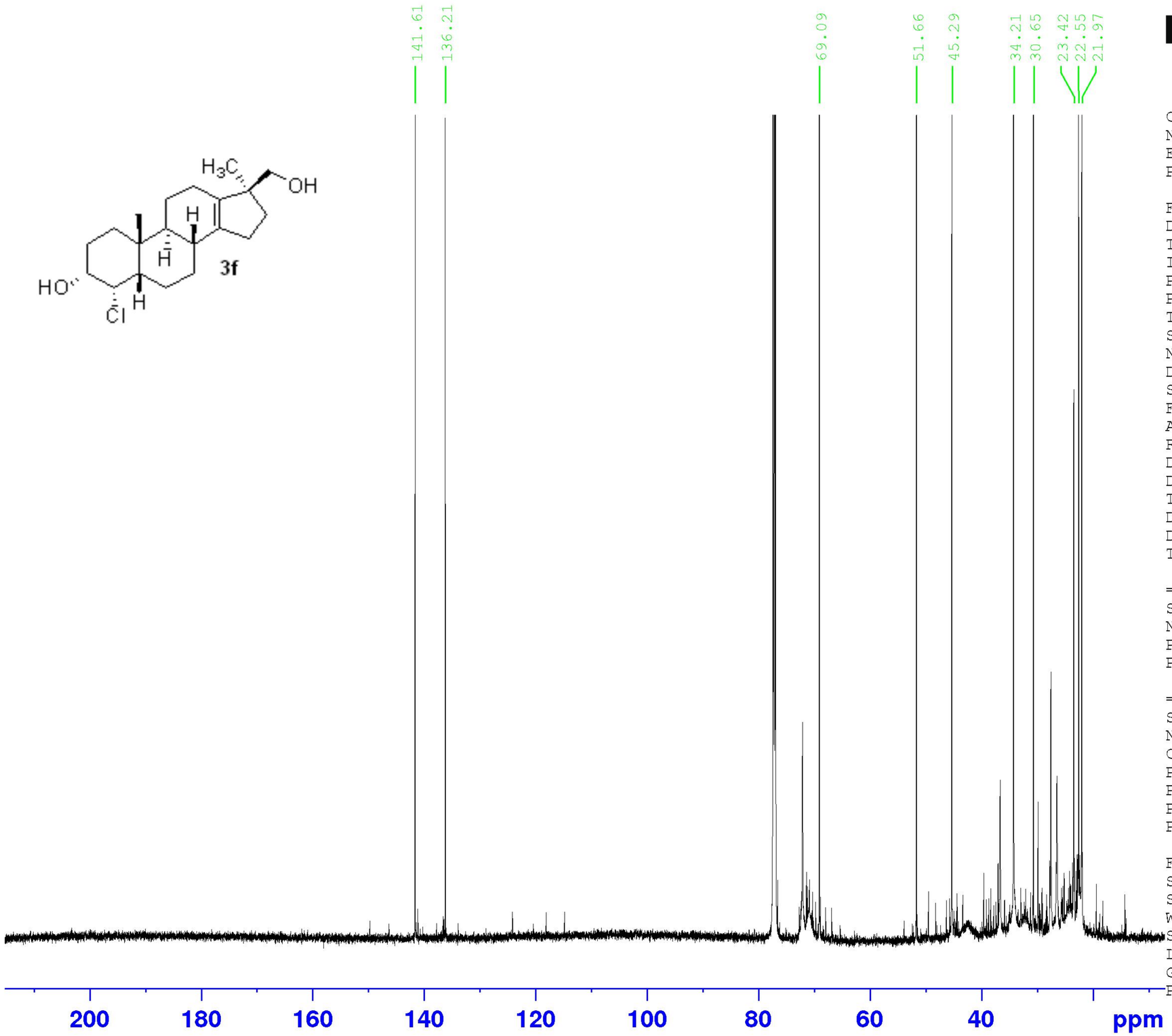
======== CHANNEL f1 ========
SFO1        150.9236829 MHz
NUC1                 13C
P1                10.00 usec
PLW1        58.00000000 W

======== CHANNEL f2 ========
SFO2        600.1524006 MHz
NUC2                  1H
CPDPRG[2         waltz16
PCPD2             70.00 usec
PLW2        22.00000000 W
PLW12        0.64652997 W
PLW13        0.31680000 W

F2 - Processing parameters
SI                 32768
SF          150.9077844 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```


F1 [ppm]
20
40
60
80
4
3
2
1
F2 [ppm]


8-14
F1 [ppm]
20
40
60
80
4
3
2
1
F2 [ppm]



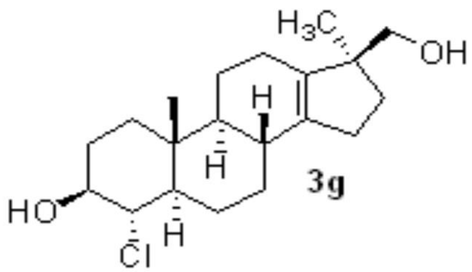

```
Current Data Parameters
NAME            NK-535-2
EXPNO                 11
PROCNO                 1

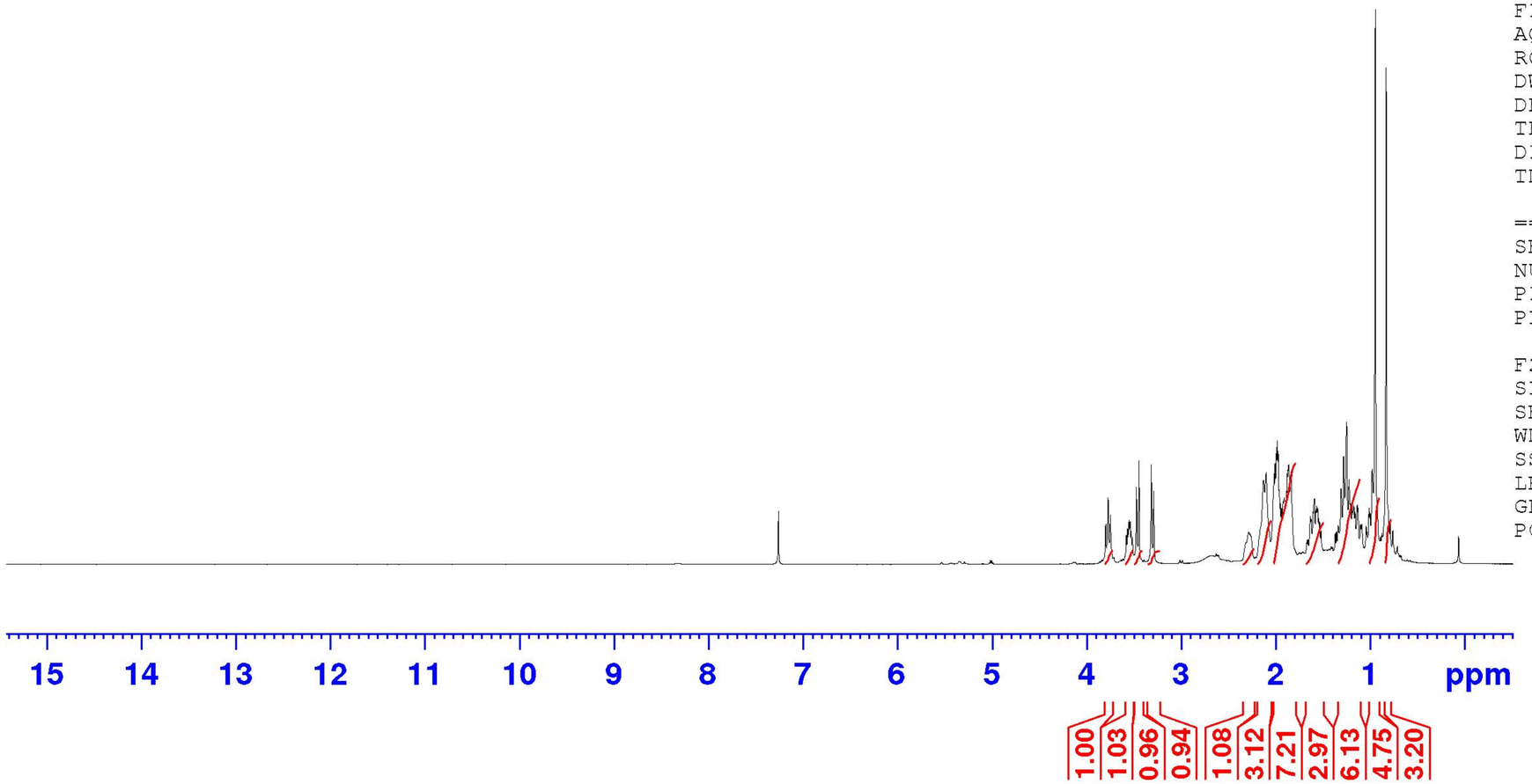
F2 - Acquisition Parameters
Date_           20170908
Time                0.17
INSTRUM            spect
PROBHD   5 mm CPPBBO BB
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 8192
DS                    4
SWH           35714.285 Hz
FIDRES         0.544957 Hz
AQ            0.9175040 sec
RG               194.73
DW               14.000 usec
DE                18.00 usec
TE                295.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         150.9236829 MHz
NUC1                 13C
P1                10.00 usec
PLW1         58.00000000 W

======== CHANNEL f2 ========
SFO2         600.1524006 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2             70.00 usec
PLW2         22.00000000 W
PLW12         0.64652997 W
PLW13         0.31680000 W

F2 - Processing parameters
SI                 32768
SF           150.9078197 MHz
WDW                   EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.40
```



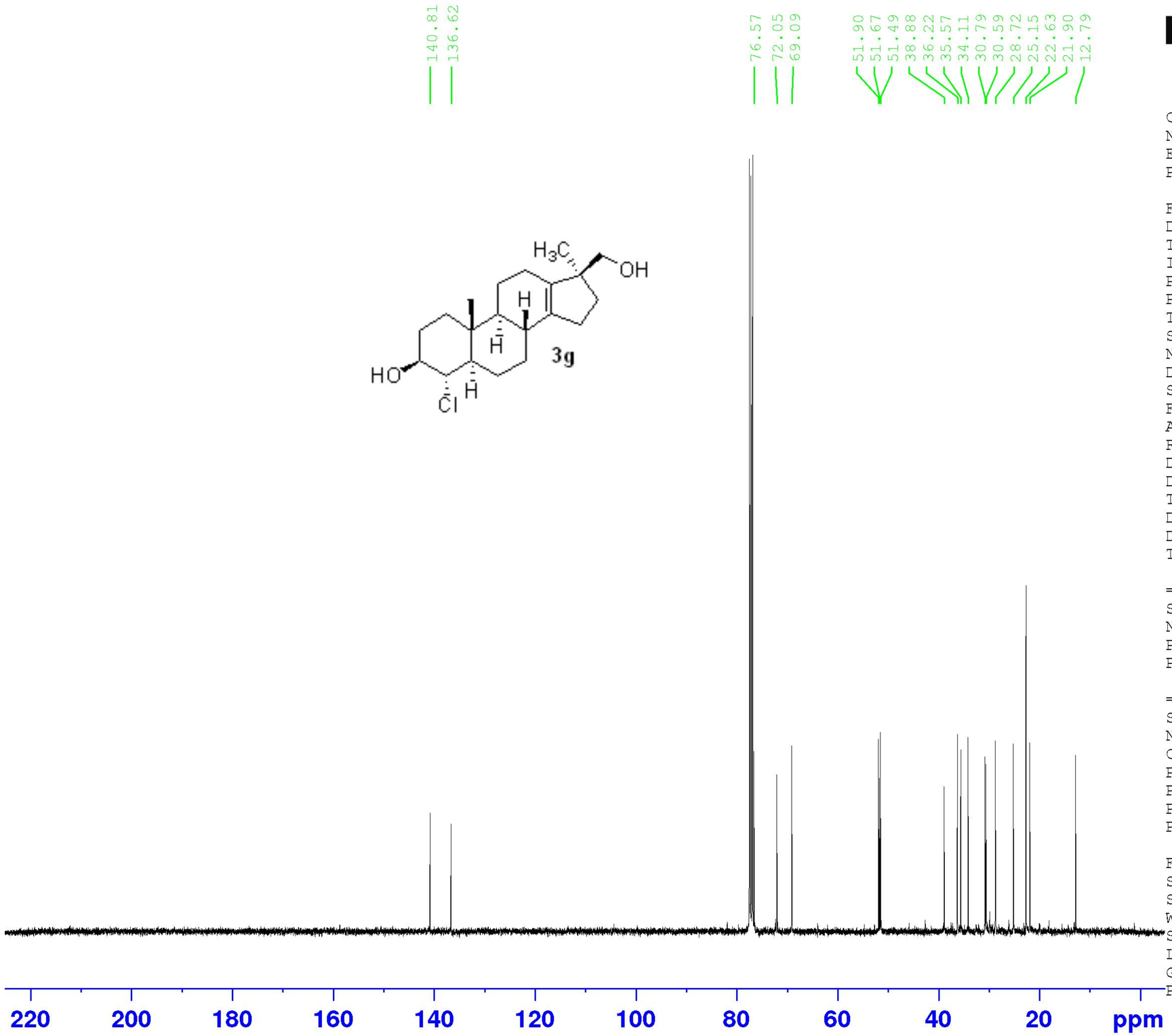



```
Current Data Parameters
NAME            NK-471-2
EXPNO                  2
PROCNO                 1

F2 - Acquisition Parameters
Date_           20170516
Time               17.51
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             zg30
TD                 32768
SOLVENT            CDCl3
NS                    16
DS                     0
SWH             6393.862 Hz
FIDRES          0.195125 Hz
AQ             2.5624576 sec
RG                 49.08
DW                78.200 usec
DE                  6.50 usec
TE                 298.0 K
D1            1.00000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1         400.1330010 MHz
NUC1                  1H
P1                  9.75 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                 16384
SF           400.1300097 MHz
WDW                   EM
SSB       0
LB                 0.30 Hz
GB        0
PC                 1.00
```



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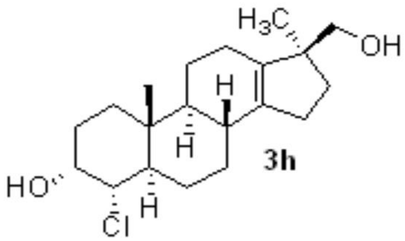
```
Current Data Parameters
NAME            NK-471-2
EXPNO                  3
PROCNO                 1

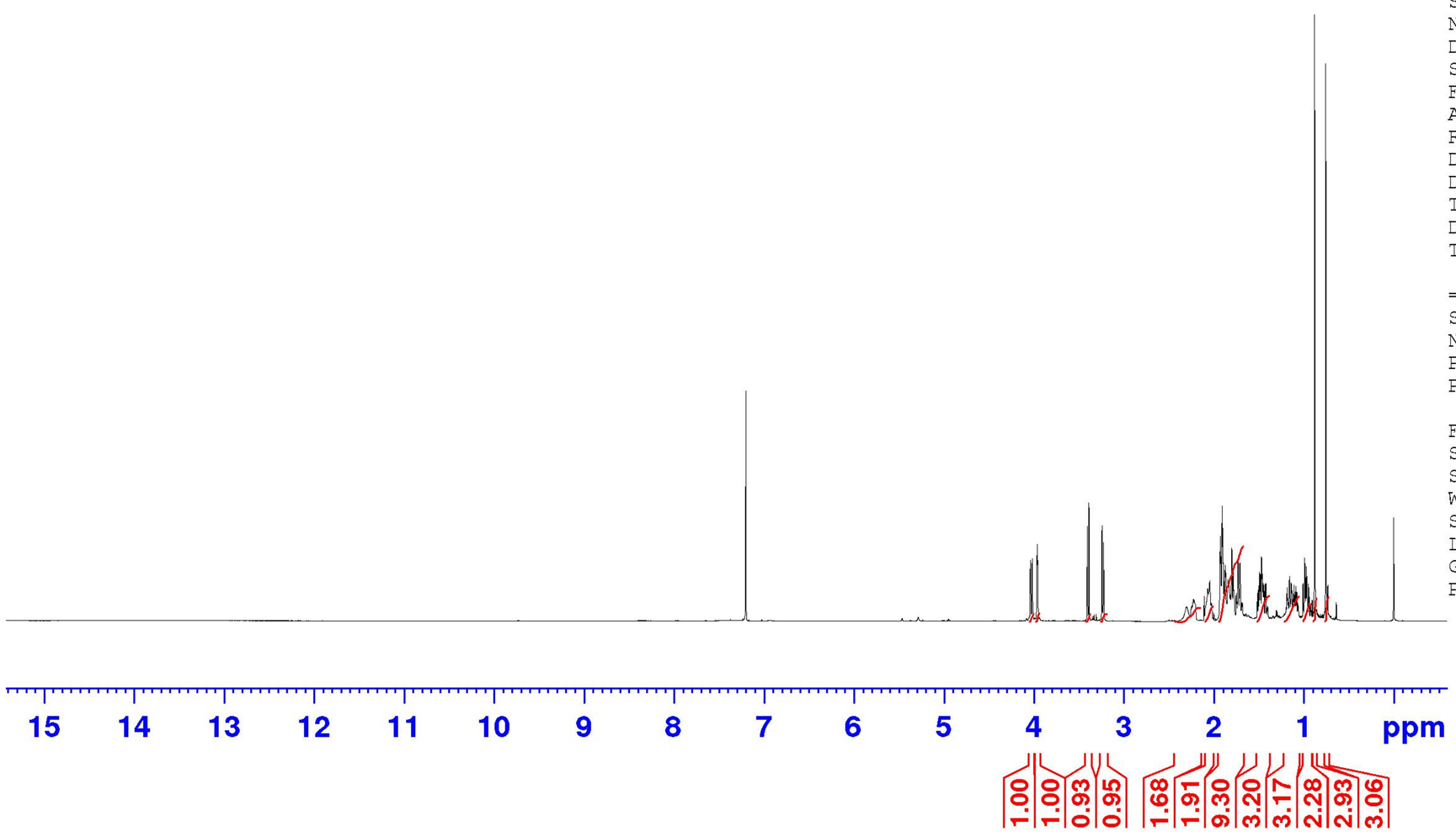
F2 - Acquisition Parameters
Date_           20170517
Time                3.51
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                65536
SOLVENT           CDCl3
NS                 1024
DS                    4
SWH           23148.148 Hz
FIDRES         0.353213 Hz
AQ            1.4155777 sec
RG               201.19
DW               21.600 usec
DE                 6.50 usec
TE                298.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                    1

======== CHANNEL f1 ========
SFO1        100.6238359 MHz
NUC1                 13C
P1                9.00 usec
PLW1         75.00000000 W

======== CHANNEL f2 ========
SFO2        400.1316005 MHz
NUC2                  1H
CPDPRG[2        waltz16
PCPD2            90.00 usec
PLW2          0.18770000 W
PLW12         0.18770000 W
PLW13         0.15204000 W

F2 - Processing parameters
SI                 32768
SF          100.6127563 MHz
WDW                   EM
SSB       0
LB                1.00 Hz
GB        0
PC                 1.40
```



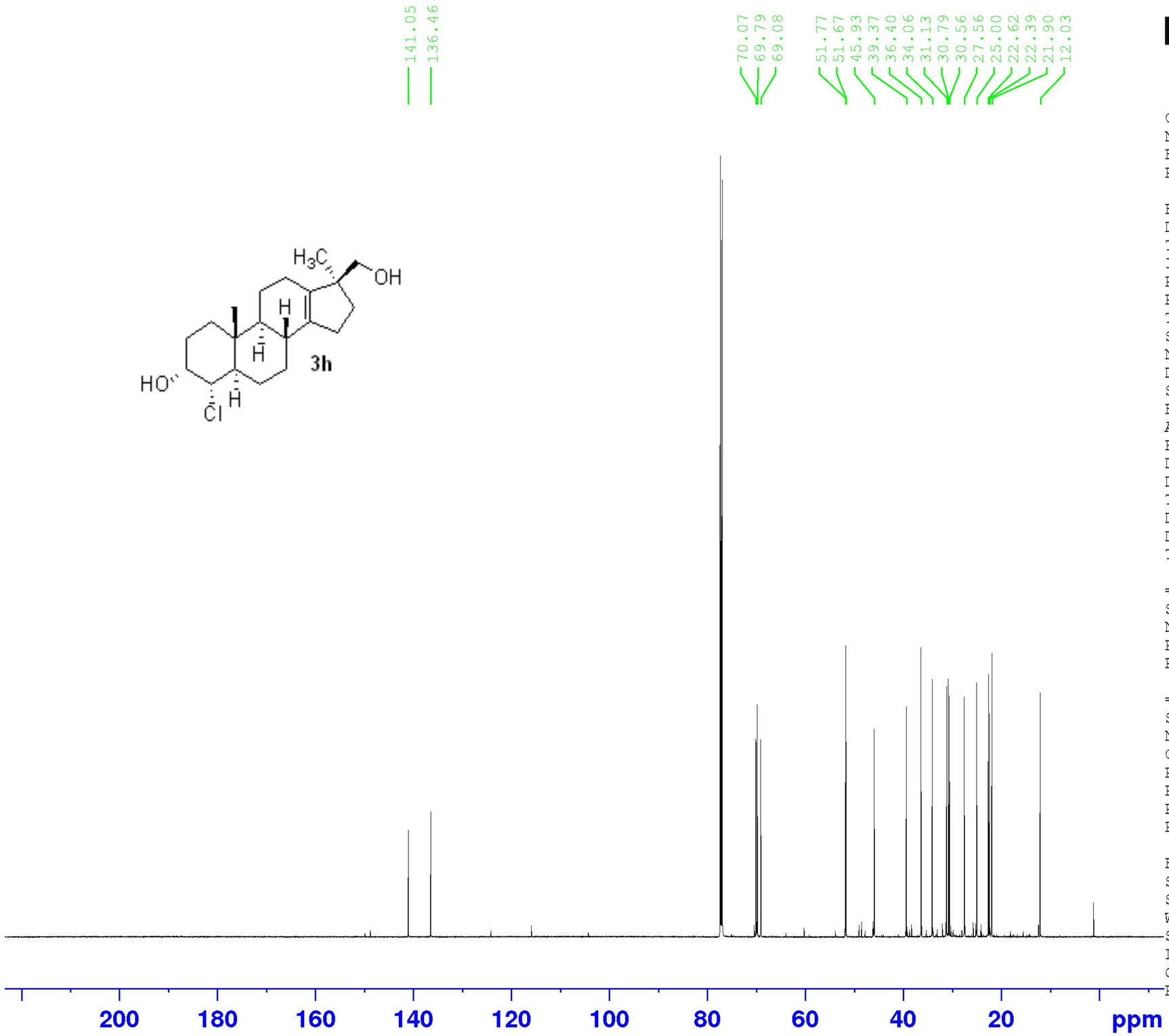



```
Current Data Parameters
NAME                 NK-556
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20170922
Time                  17.58
INSTRUM               spect
PROBHD    5 mm CPPBBO BB
PULPROG                zg30
TD                    65536
SOLVENT               CDCl3
NS                       16
DS                        2
SWH                9615.385 Hz
FIDRES             0.146719 Hz
AQ                3.4078720 sec
RG                    30.18
DW                   52.000 usec
DE                   28.00 usec
TE                   295.0 K
D1               1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
SFO1            600.1545011 MHz
NUC1                     1H
P1                   12.00 usec
PLW1            22.00000000 W

F2 - Processing parameters
SI                    32768
SF              600.1500506 MHz
WDW                      EM
SSB         0
LB                    0.30 Hz
GB          0
PC                    1.00
```



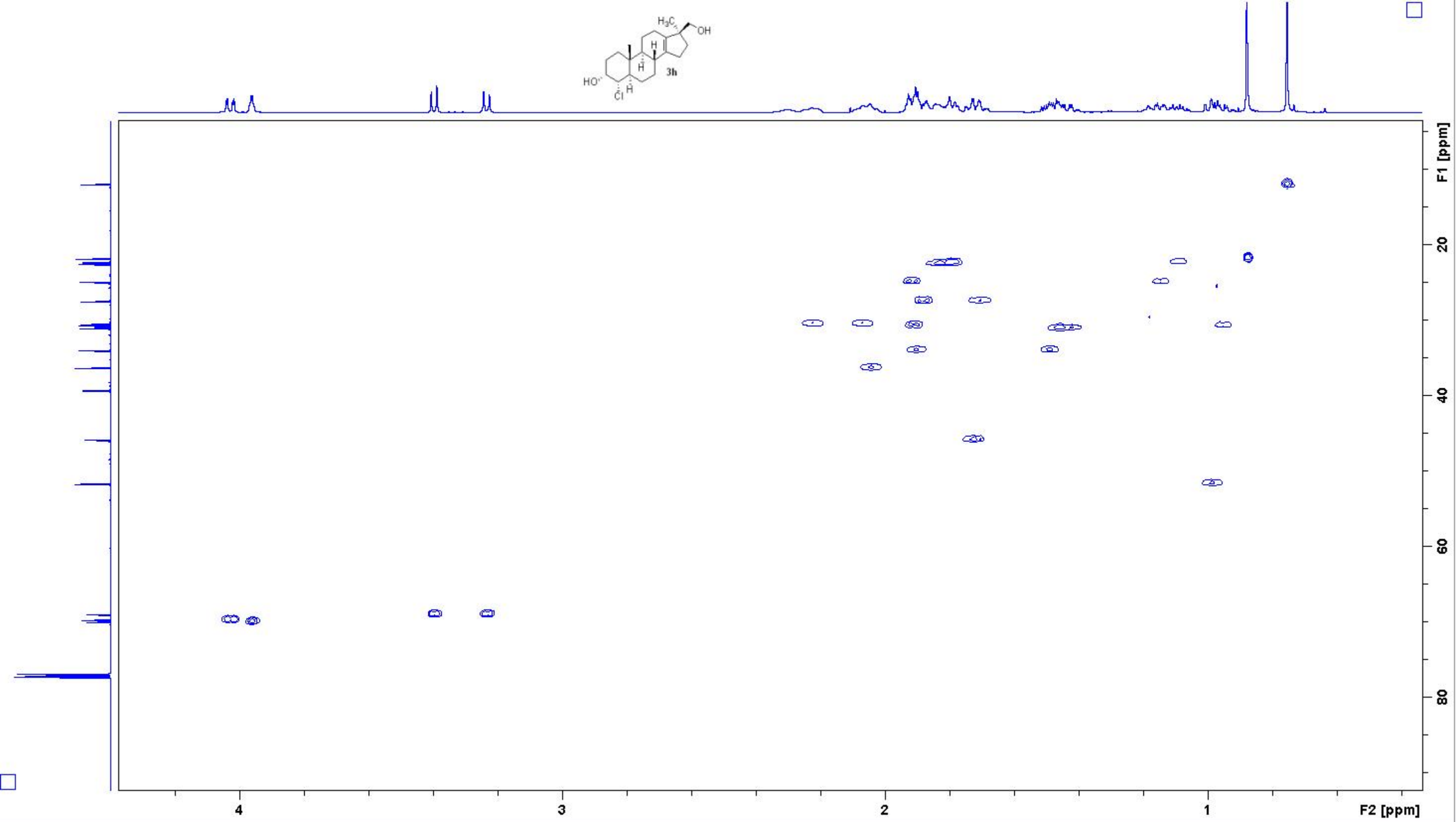

```
Current Data Parameters
NAME                 NK-556
EXPNO                    11
PROCNO                    1

F2 - Acquisition Parameters
Date_              20170922
Time                  19.41
INSTRUM               spect
PROBHD    5 mm CPPBBO BB
PULPROG             zgpg30
TD                   65536
SOLVENT              CDCl3
NS                    2048
DS                       4
SWH              35714.285 Hz
FIDRES            0.544957 Hz
AQ               0.9175040 sec
RG                  194.73
DW                  14.000 usec
DE                   18.00 usec
TE                   295.0 K
D1               2.00000000 sec
D11              0.03000000 sec
TD0                      1

======== CHANNEL f1 ========
SFO1            150.9236829 MHz
NUC1                    13C
P1                    10.00 usec
PLW1            58.00000000 W

======== CHANNEL f2 ========
SFO2            600.1524006 MHz
NUC2                     1H
CPDPRG[2            waltz16
PCPD2                 70.00 usec
PLW2            22.00000000 W
PLW12            0.64652997 W
PLW13            0.31680000 W

F2 - Processing parameters
SI                    32768
SF              150.9078212 MHz
WDW                      EM
SSB         0
LB                    1.00 Hz
GB          0
PC                    1.40
```


H3C
OH
HO
Cl
H
H
H
3h
F1 [ppm]
20
40
60
80
4
3
2
1
F2 [ppm]