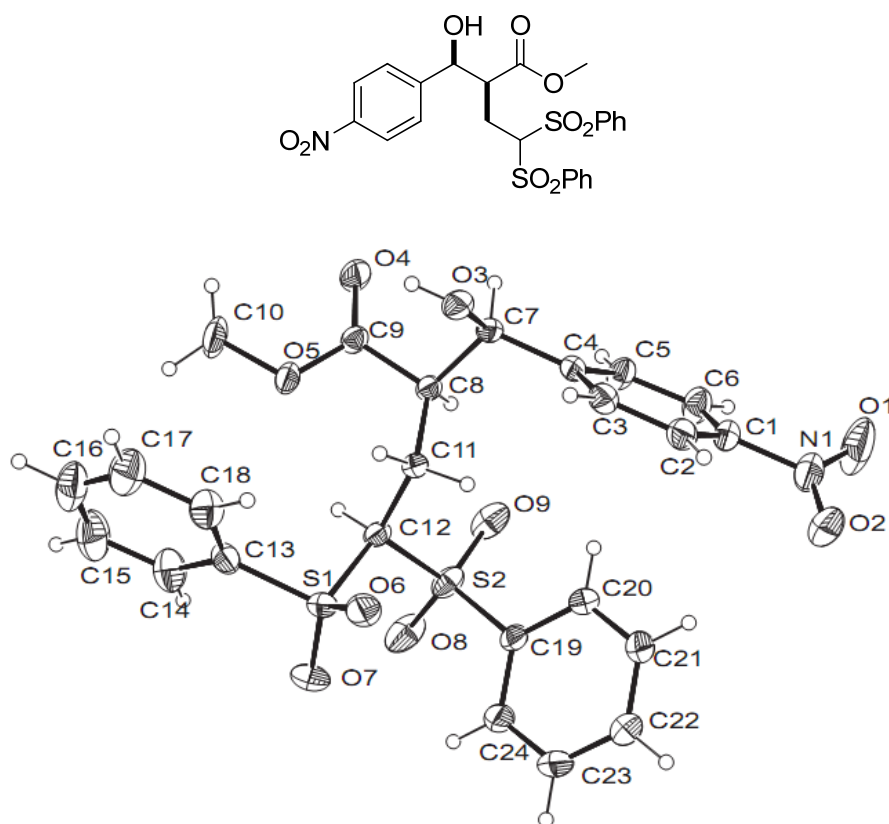


Supporting Materials

I. X-ray Crystallography (*erythro*-5)

X-ray crystal structure (10835.cif) of *erythro*-5: CCDC No. **837000**



II. ^1H -NMR and ^{13}C -NMR Spectra

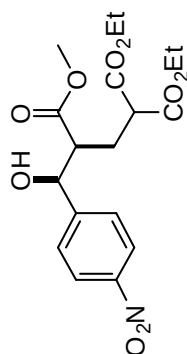
Current Data Parameters
 NAME ncy105
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20090610
 Time 20.55
 INSTRUM BB-1H
 PROBHD 5 mm BBO
 PULPROG zg30
 TD 16384
 SOLVENT CDC13
 NS 16
 DS 0
 SWH 5995.204 Hz
 FIDRES 0.365918 Hz
 AQ 1.3664756 sec
 RG 57
 DW 83.400 usec
 DE 6.50 usec
 TE 298.5 K
 D1 1.50000000 sec
 MCREST 0.00000000 sec
 MCWRK 0.01500000 sec

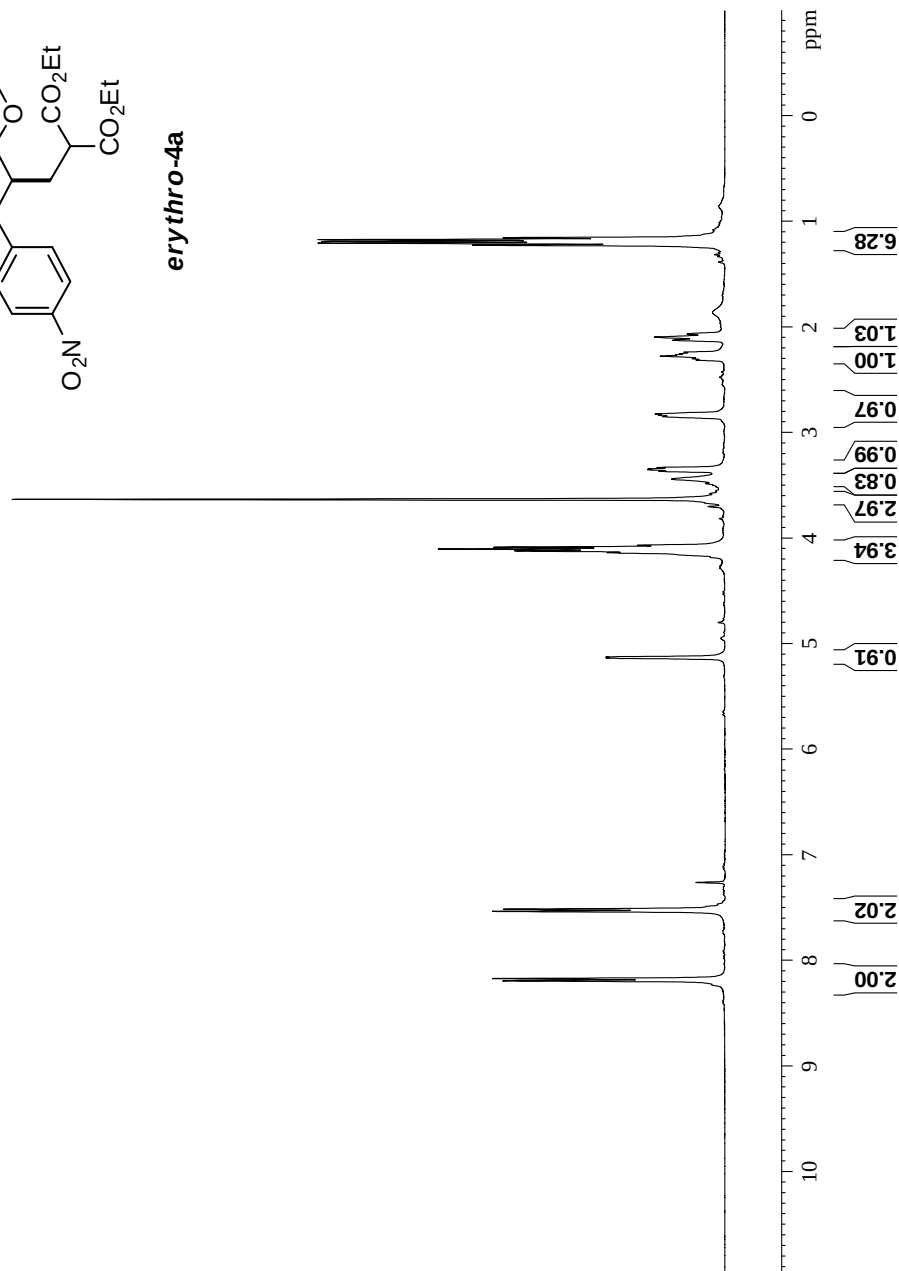
===== CHANNEL f1 =====
 NUC1 ^1H
 P1 10.00 usec
 PL1 0.00 dB
 SF01 400.1326008 MHz

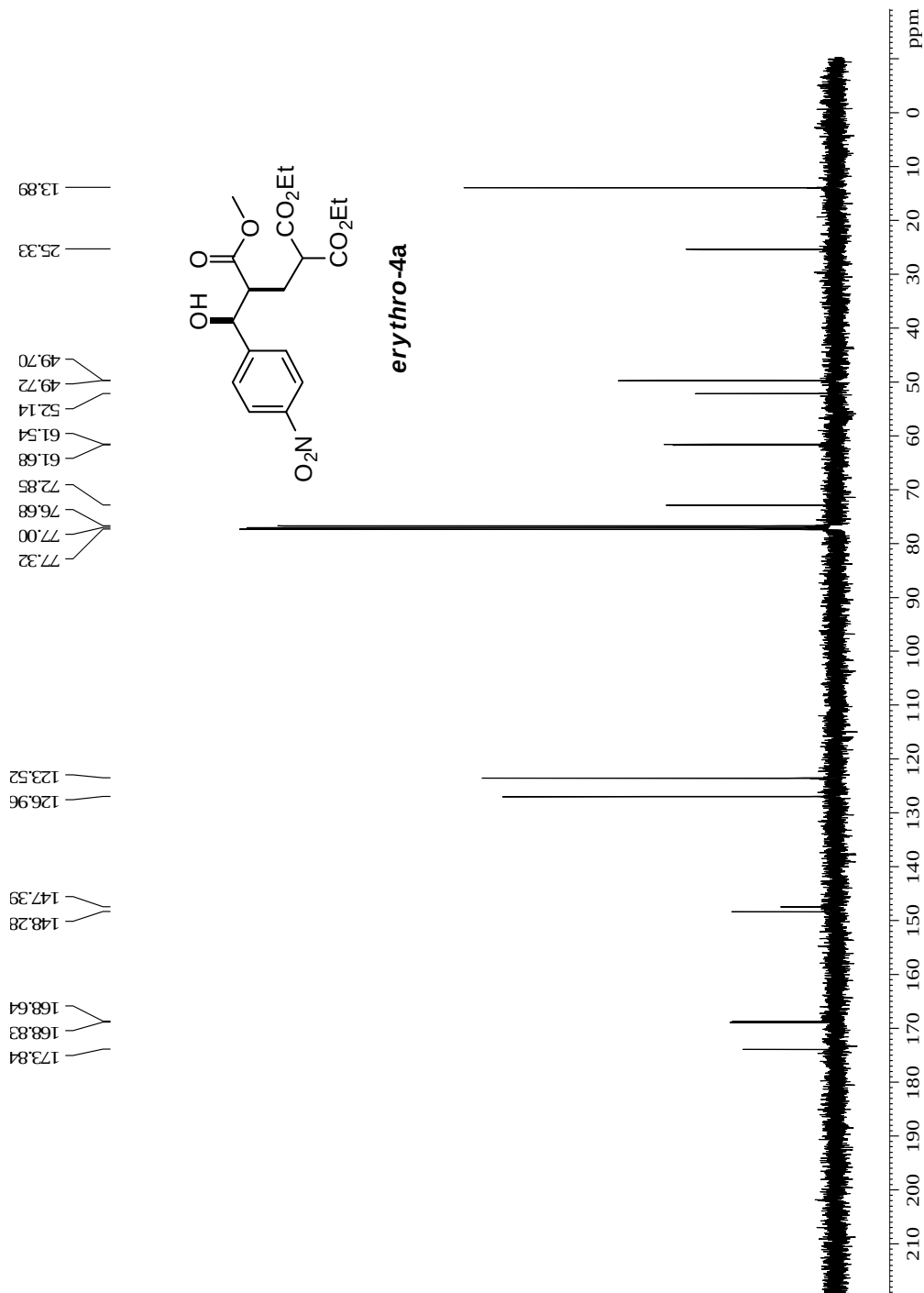
F2 - Processing parameters
 SI 16384
 SF 400.1300088 MHz
 WDW EM
 SSB 0
 LB 0.10 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 CY 10.47 cm
 F1P 10.500 ppm
 F1 4201.37 Hz
 F2P -0.500 ppm
 F2 -200.06 Hz
 PPMCM 0.55000 ppm/cm
 HZCM 220.07150 Hz/cm



erythro-4a





Current Data Parameters
NAME ncy083
EXPNO 8
PROCNO 1

F2 - Acquisition Parameters

Date_ 20090924
Time 10.57
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 256
DW 83.400 usec
DE 6.50 usec
TE 299.5 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

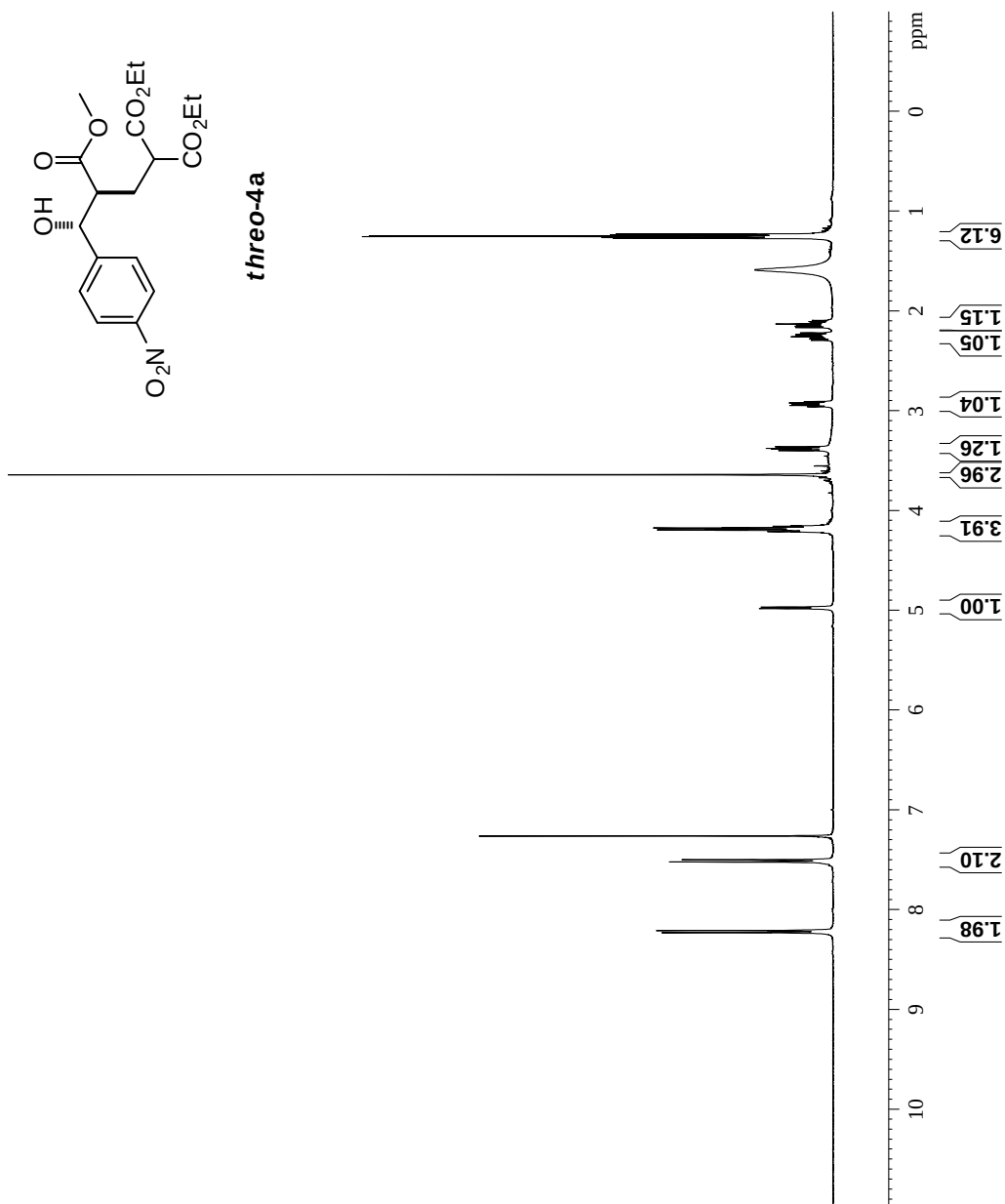
===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

F2 - Processing parameters

SI 16384
SF 400.1300088 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 20.00 cm
CY 10.47 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



Current Data Parameters
NAME ncy083
EXPNO 5
PROCNO 1

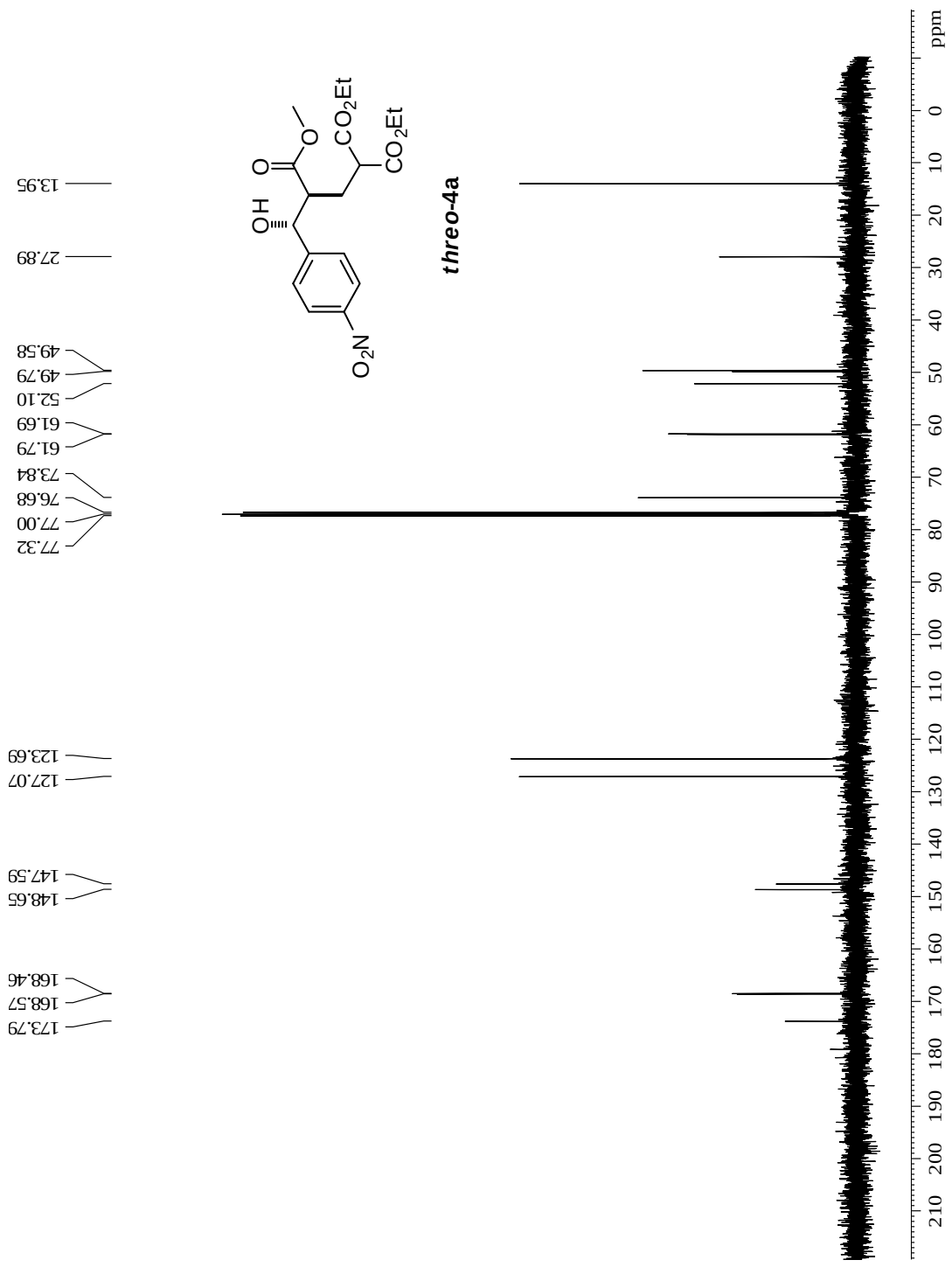
F2 - Acquisition Parameters
Date_ 20090328
Time 13.24
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 60
DS 0
SWH 25125.629 Hz
FIDRES 0.383387 Hz
AQ 1.3042164 sec
RG 4096
DW 19.900 usec
DE 6.50 usec
TE 298.7 K
d1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 8.90 usec
PL1 5.00 dB
SF01 100.6242995 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 0.00 dB
PL12 19.10 dB
PL13 22.10 dB
SF02 400.1319000 MHz

F2 - Processing parameters
SI 32768
SF 100.6127736 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 20.00 cm
CY 11.95 cm
F1P 220.000 ppm
F1 22134.81 Hz



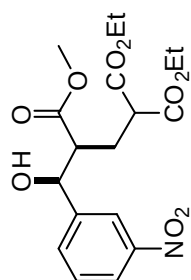
Current Data Parameters
NAME ncy123
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090702
Time 14.08
INSTRUM Spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 90.5
DE 83.400 usec
TE 299.8 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

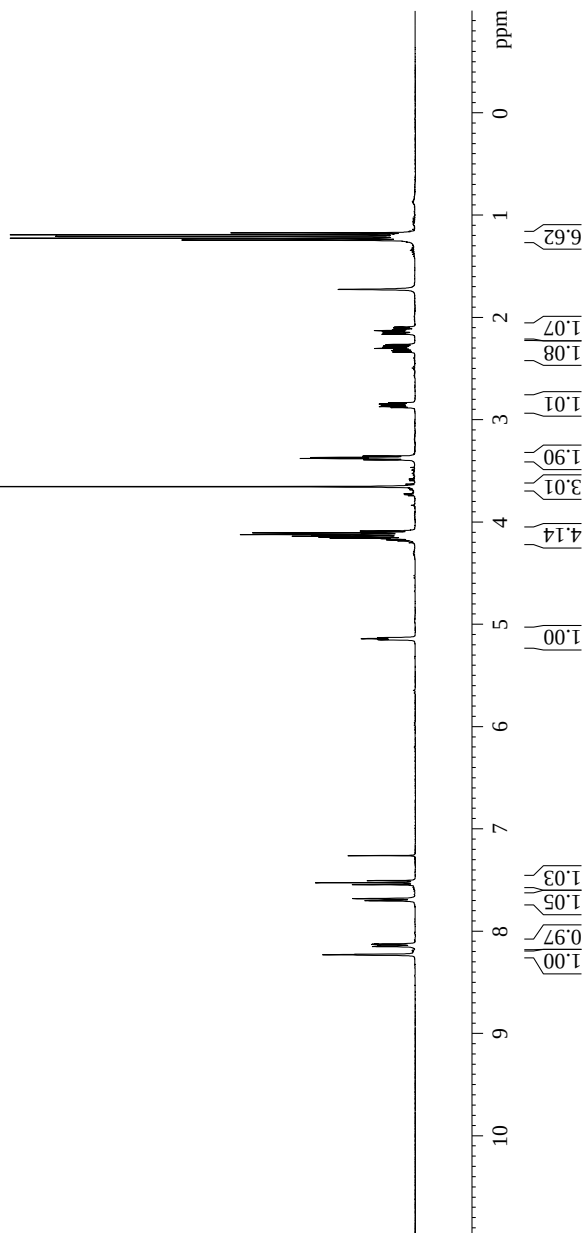
===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SFO1 400.1326008 MHz

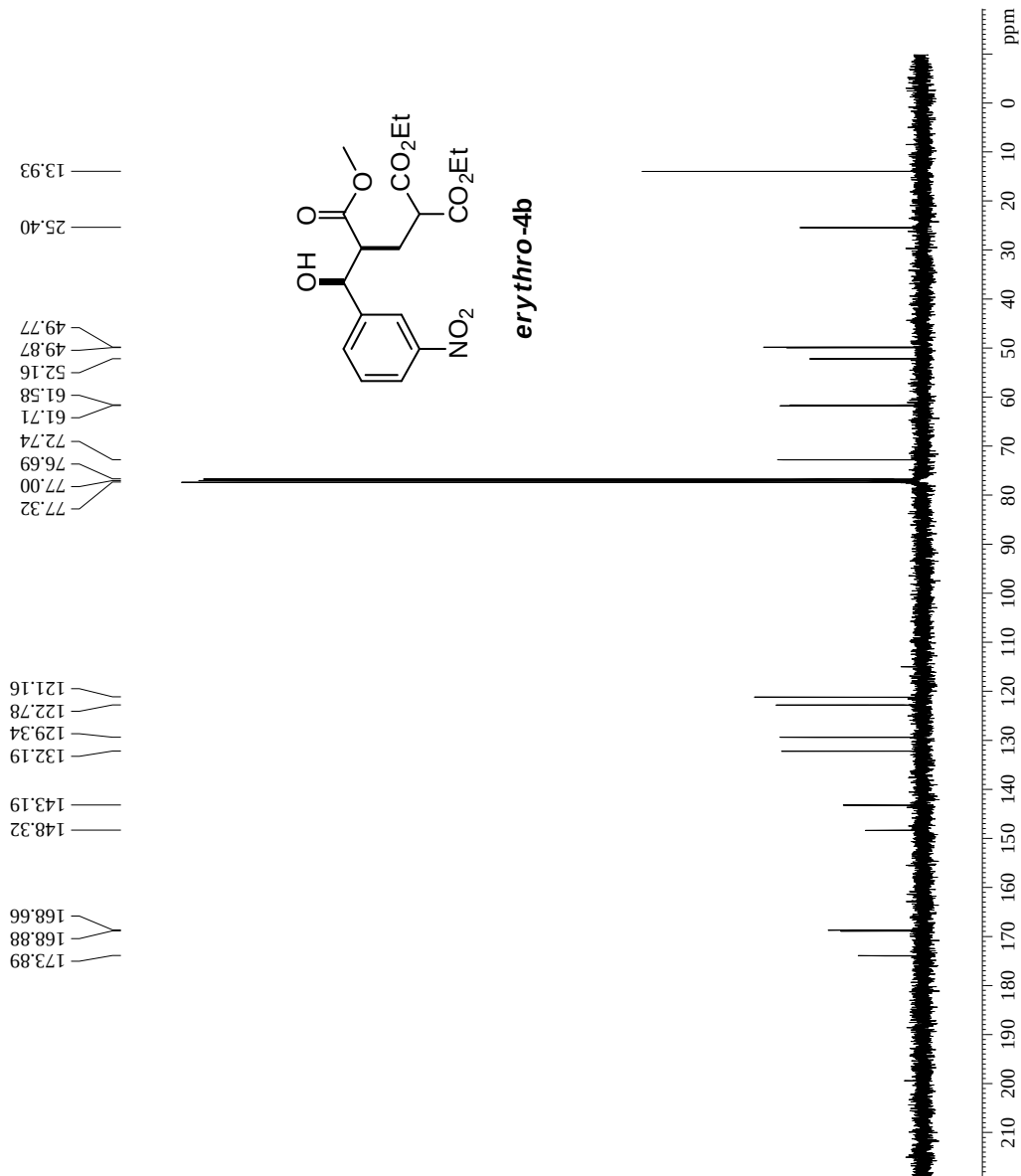
F2 - Processing parameters
SI 16384
SF 400.1300088 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.45 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPHMC 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



erythro-4b





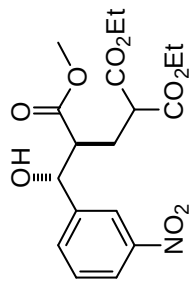
Current Data Parameters
NAME ncy123
EXPNO 9
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090705
Time 13.01
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 45.3
DW 83.400 usec
DE 6.50 usec
TE 300.2 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

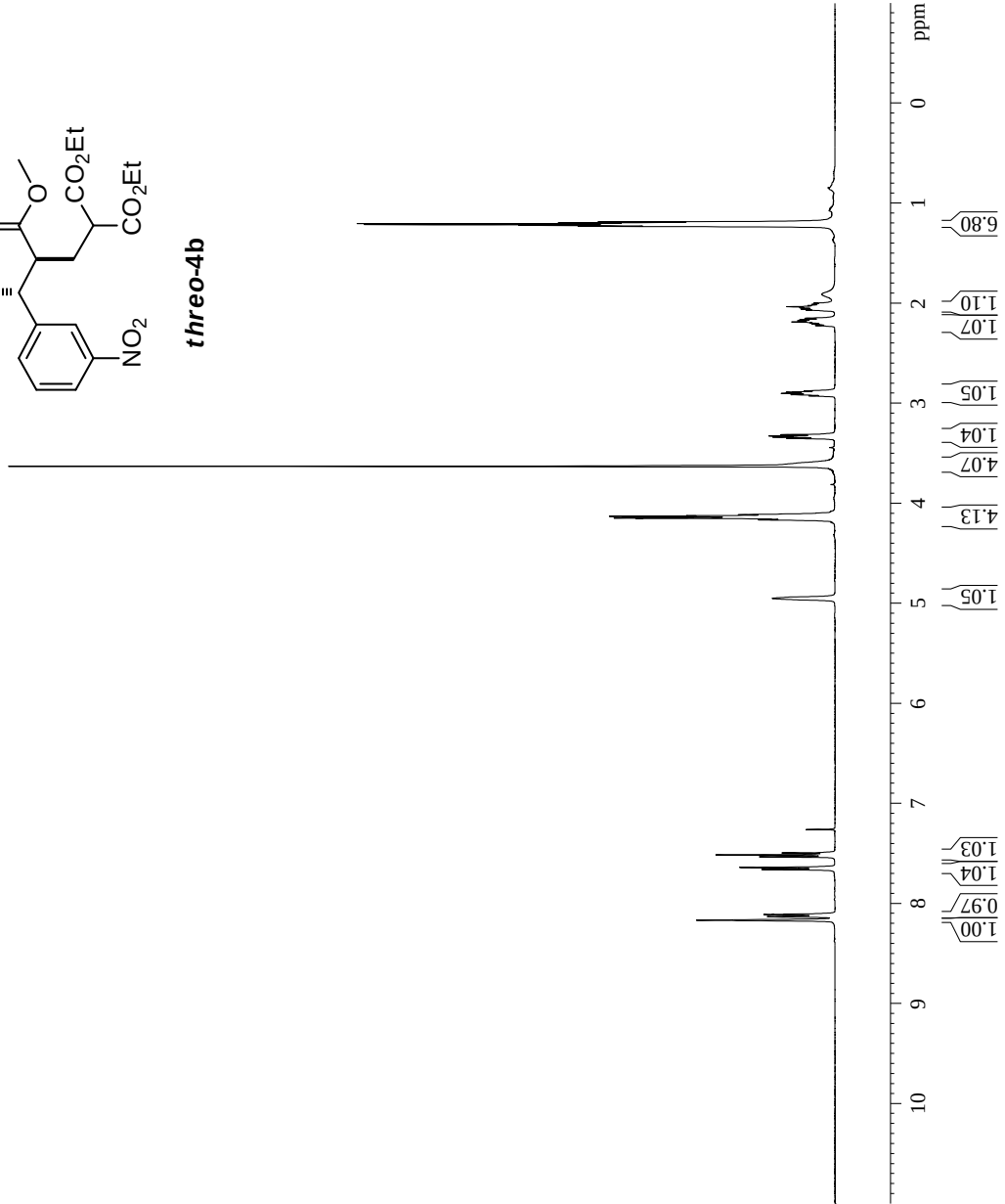
===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

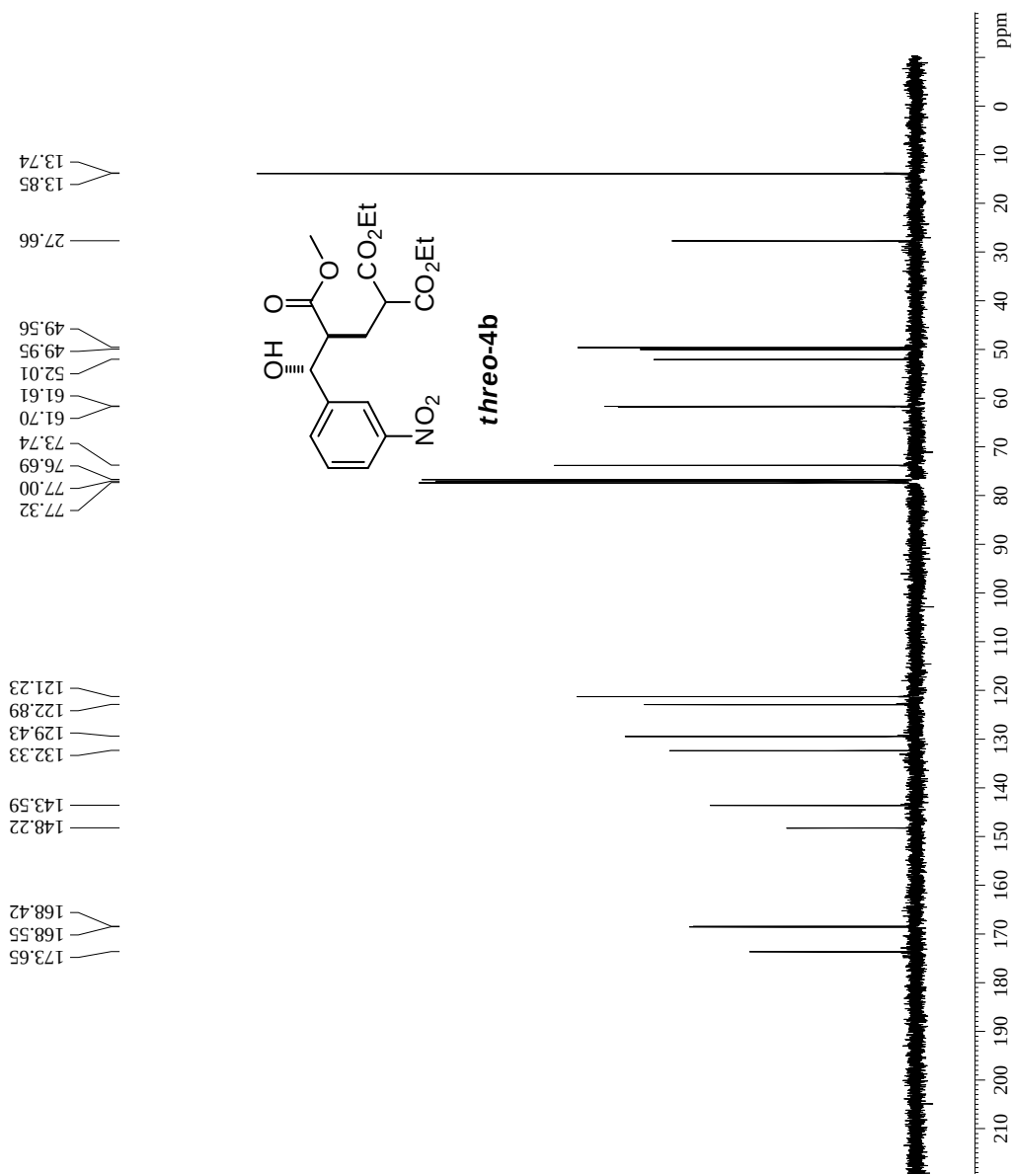
F2 - Processing parameters
SI 16384
SF 400.1300084 MHz
WDW EH
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.45 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



threo-4b





Current Data Parameters
 NAME ncy123
 EXPNO 4
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20090617
 Time 20:50
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl₃
 NS 80
 DS 0
 SWH 25125.629 Hz
 FIDRES 0.383387 Hz
 AQ 1.3042164 sec
 RG 4096
 DW 19.900 usec
 DE 6.50 usec
 TE 300.2 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 DELTA 1.89999998 sec
 MCREST 0.00000000 sec
 MCMRK 0.01500000 sec

===== CHANNEL f1 =====
 NUC1 13C
 P1 8.90 usec
 PL1 5.00 dB
 SF01 100.6242995 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL2 0.00 dB
 PL12 19.10 dB
 PL13 22.10 dB
 SF02 400.1319000 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127782 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

1D NMR plot parameters
 CX 20.00 cm
 CY 11.91 cm
 F1P 220.0000 ppm
 F1 22134.81 Hz

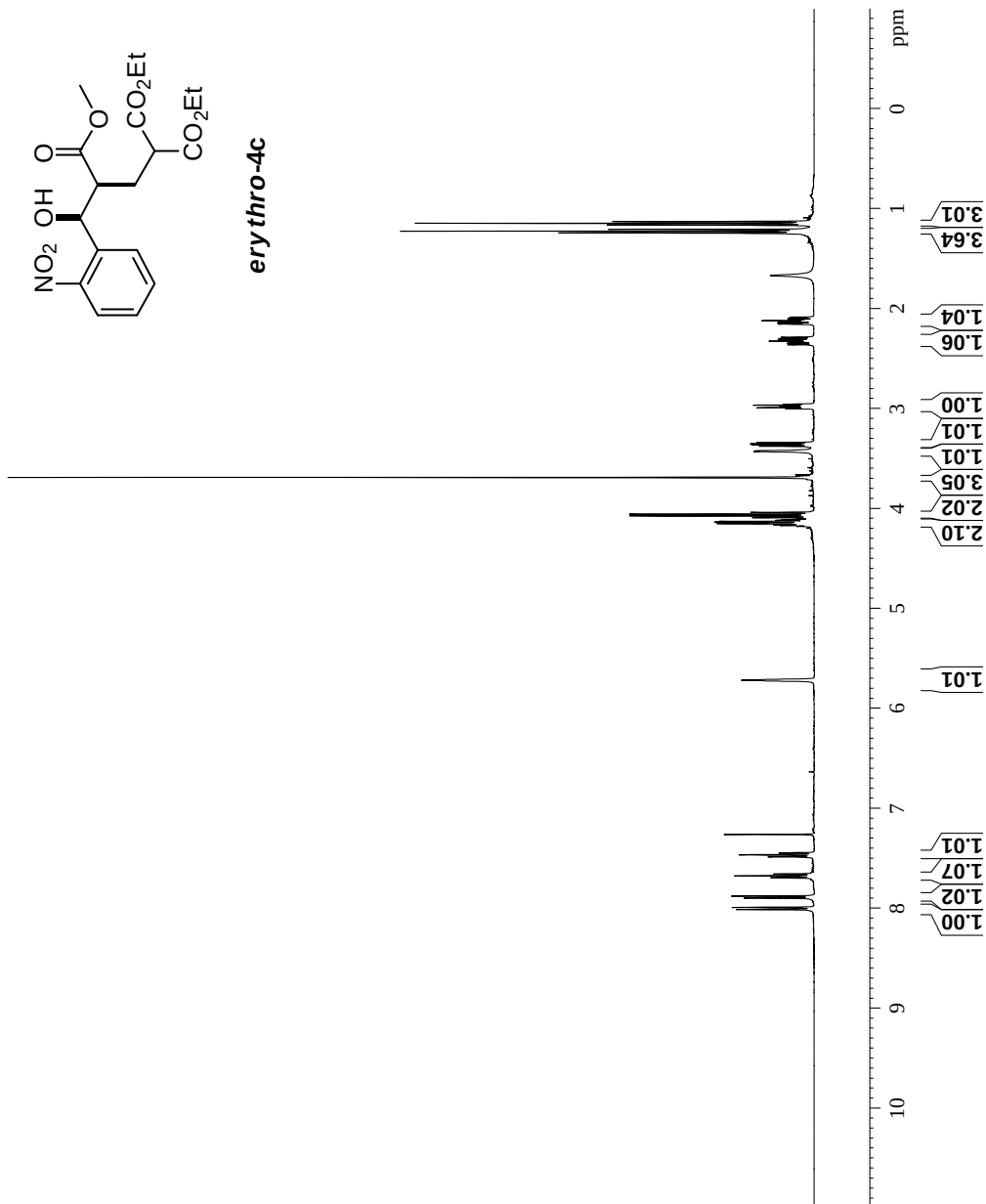
Current Data Parameters
NAME ncy124
EXPNO 3
PROCNO 1

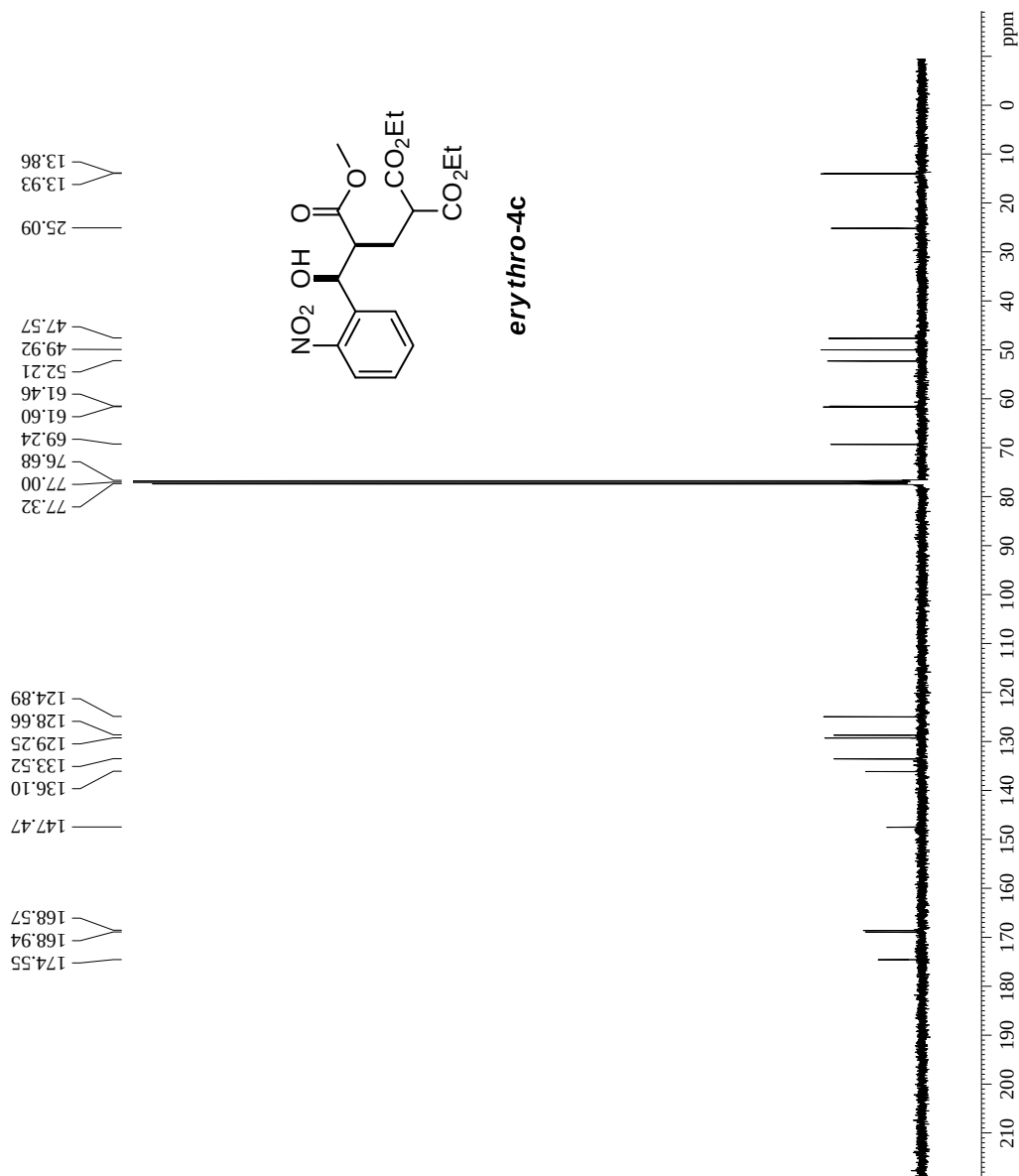
F2 - Acquisition Parameters
Date_ 20090704
Time 13.31
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 114
DW 83.400 usec
DE 6.50 usec
TE 299.8 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300088 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.47 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm





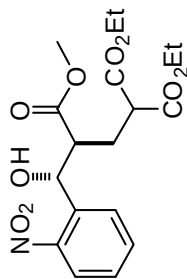
Current Data Parameters
NAME ncy124
EXPNO 7
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090708
Time 10.32
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 90.5
DW 83.400 usec
DE 6.50 usec
TE 301.3 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

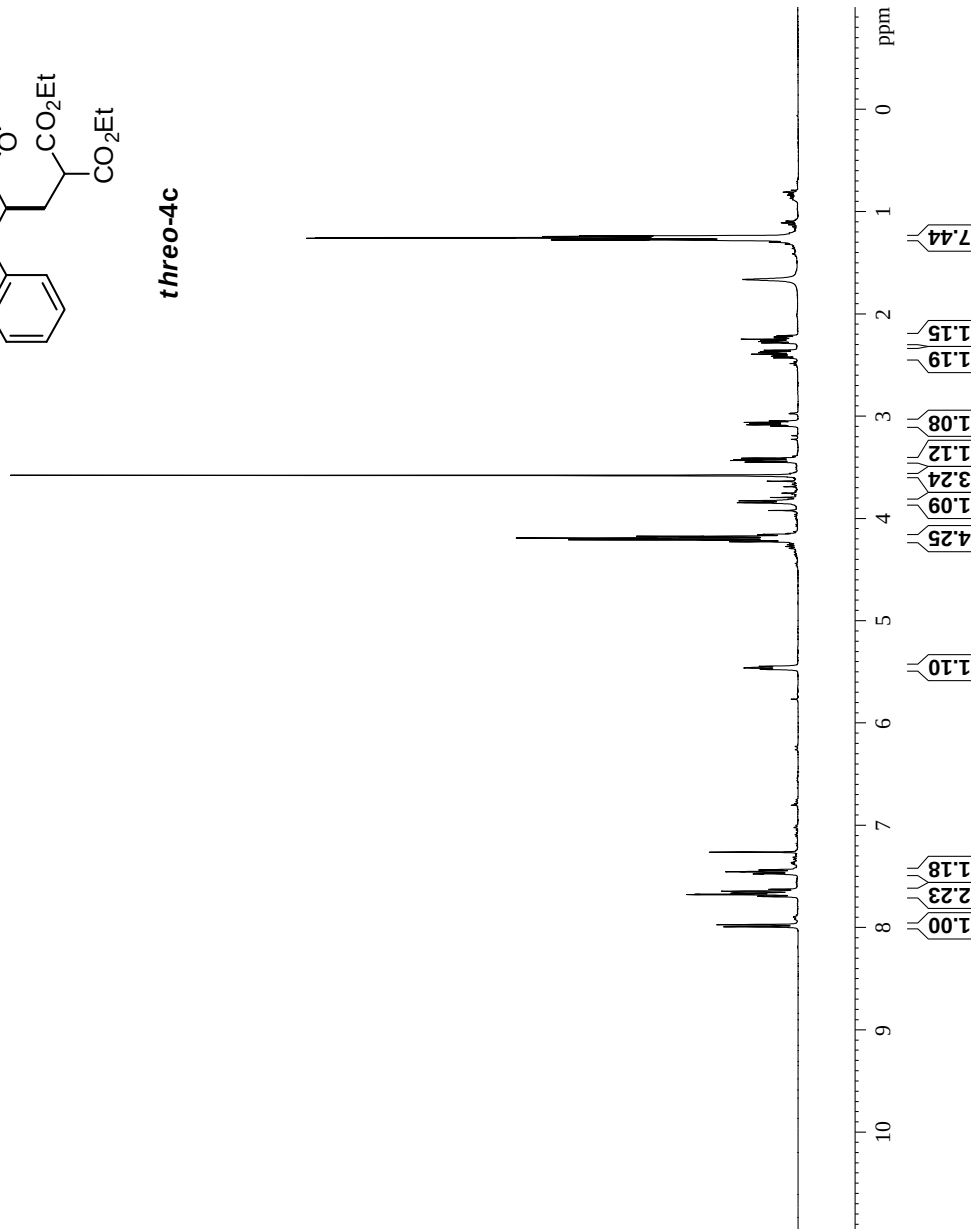
===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300088 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 9.97 cm
FIP 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



threo-4c



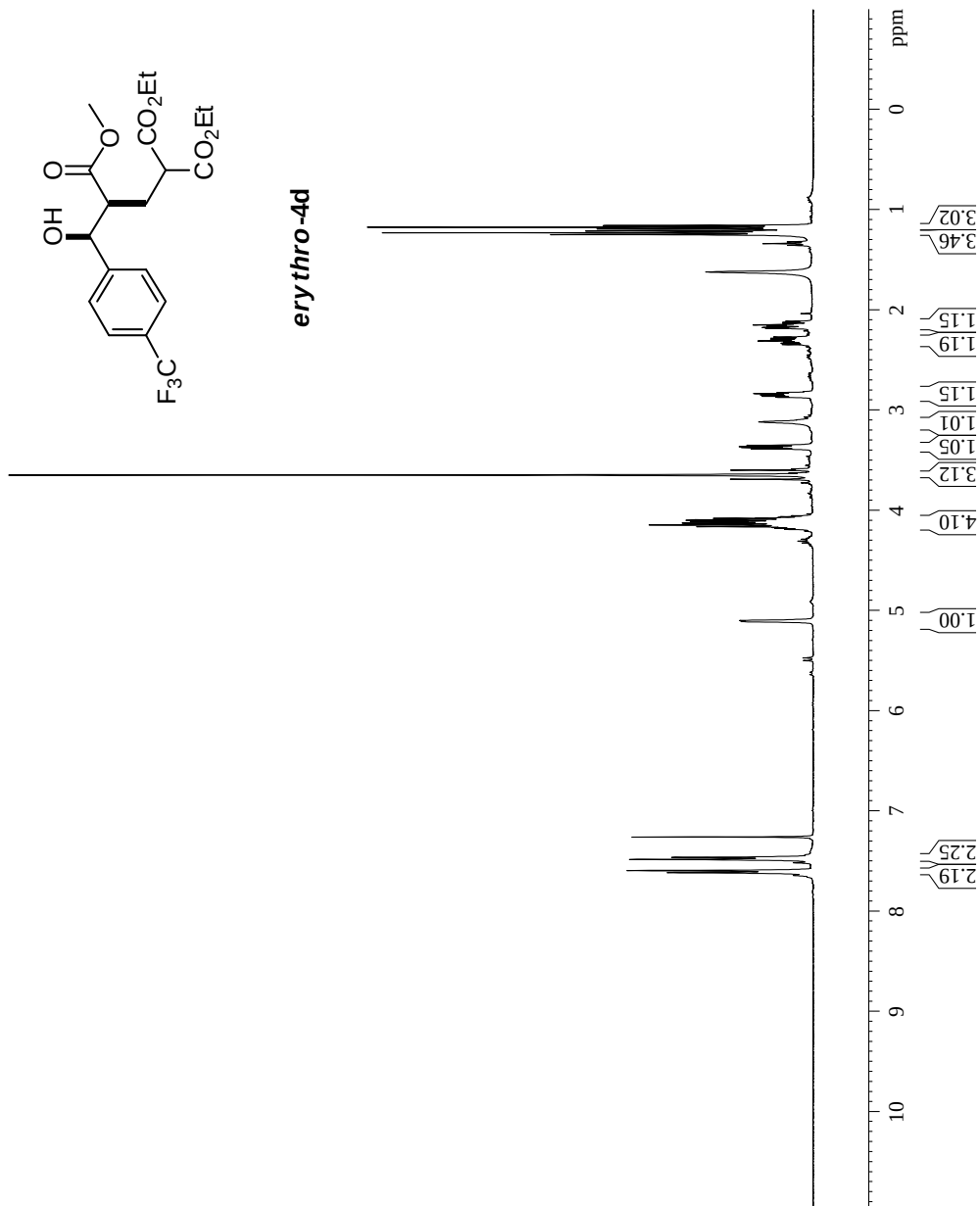
Current Data Parameters
NAME ncy115
EXPNO 7
PROCNO 1

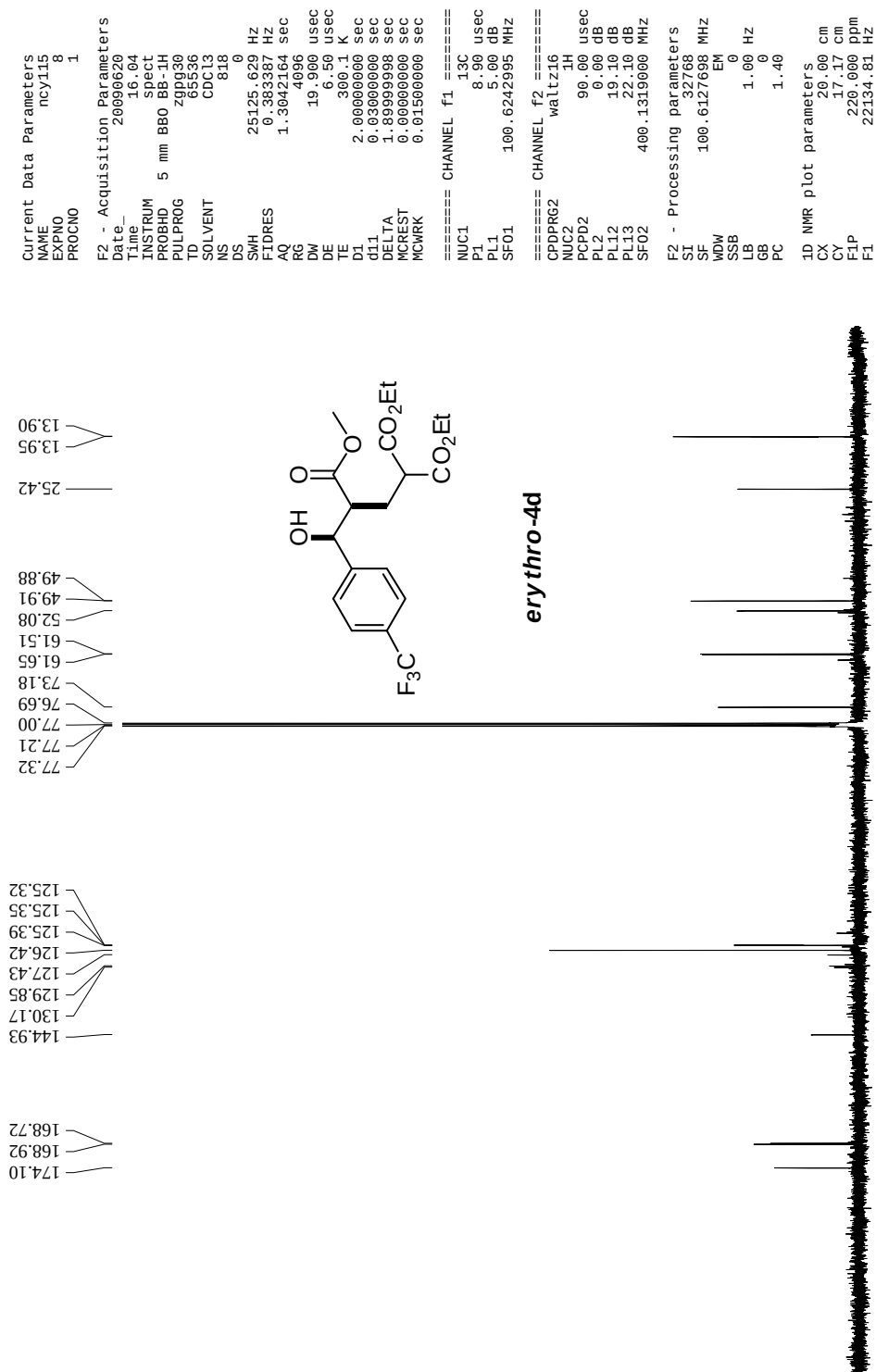
F2 - Acquisition Parameters
Date_ 20090620
Time 16.00
INSTRUM Spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 161.3
DW 83.400 usec
DE 6.50 usec
TE 299.7 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300091 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.00 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm





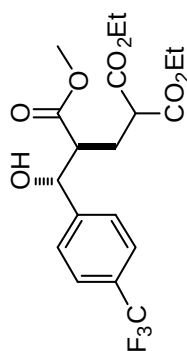
Current Data Parameters
NAME ncy115
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20080522
Time 22.41
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.385918 Hz
AQ 1.3664756 sec
RG 22.6
DW 83.400 usec
DE 6.50 usec
TE 299.6 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

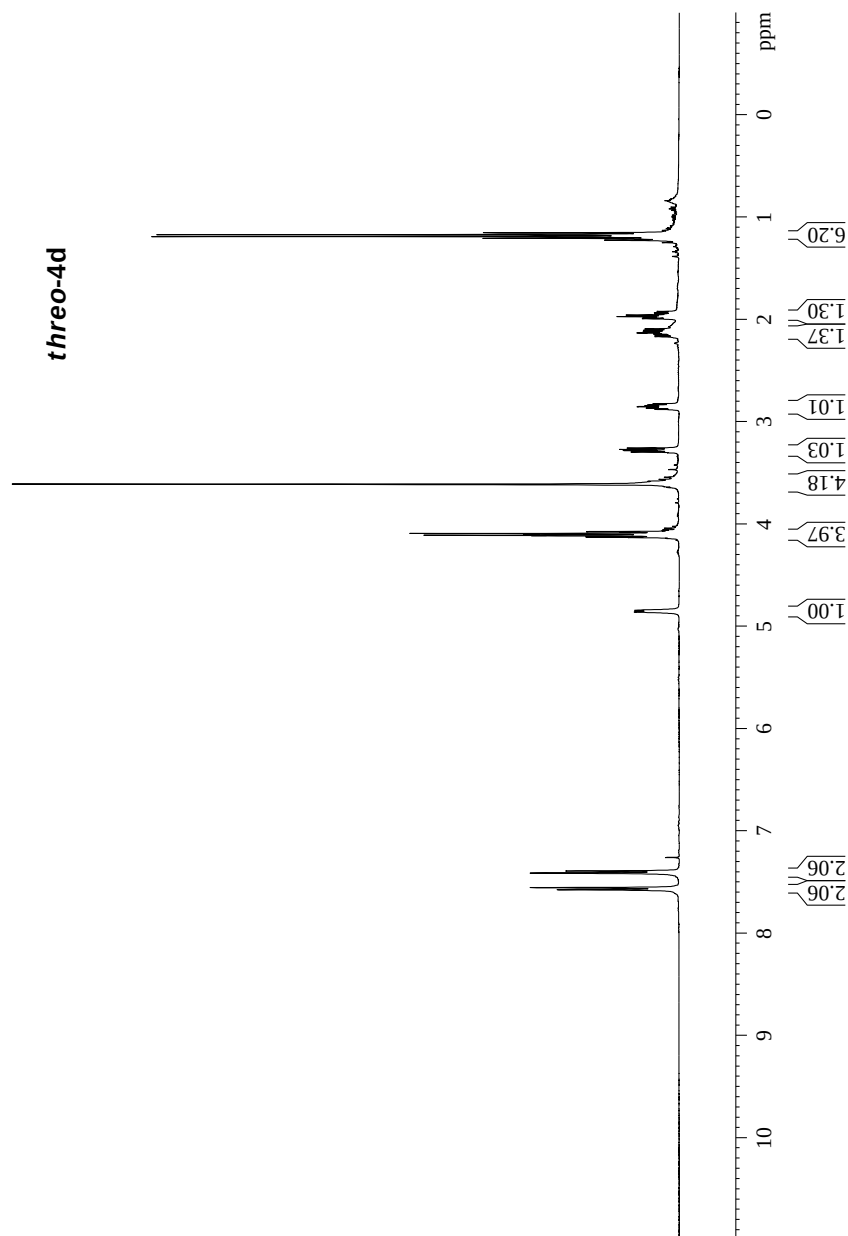
===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

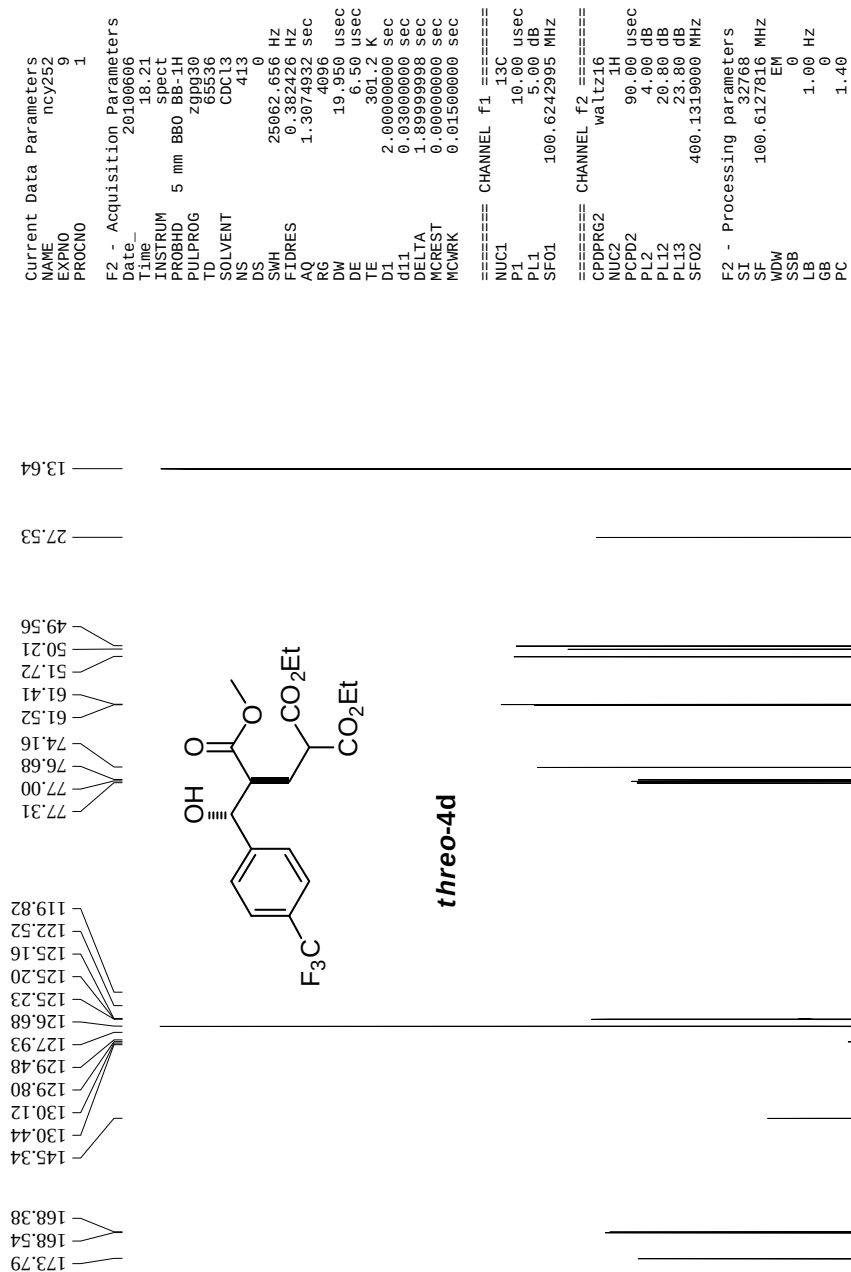
F2 - Processing parameters
SI 16384
SF 400.1300088 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.00 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



threo-4d





210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 ppm

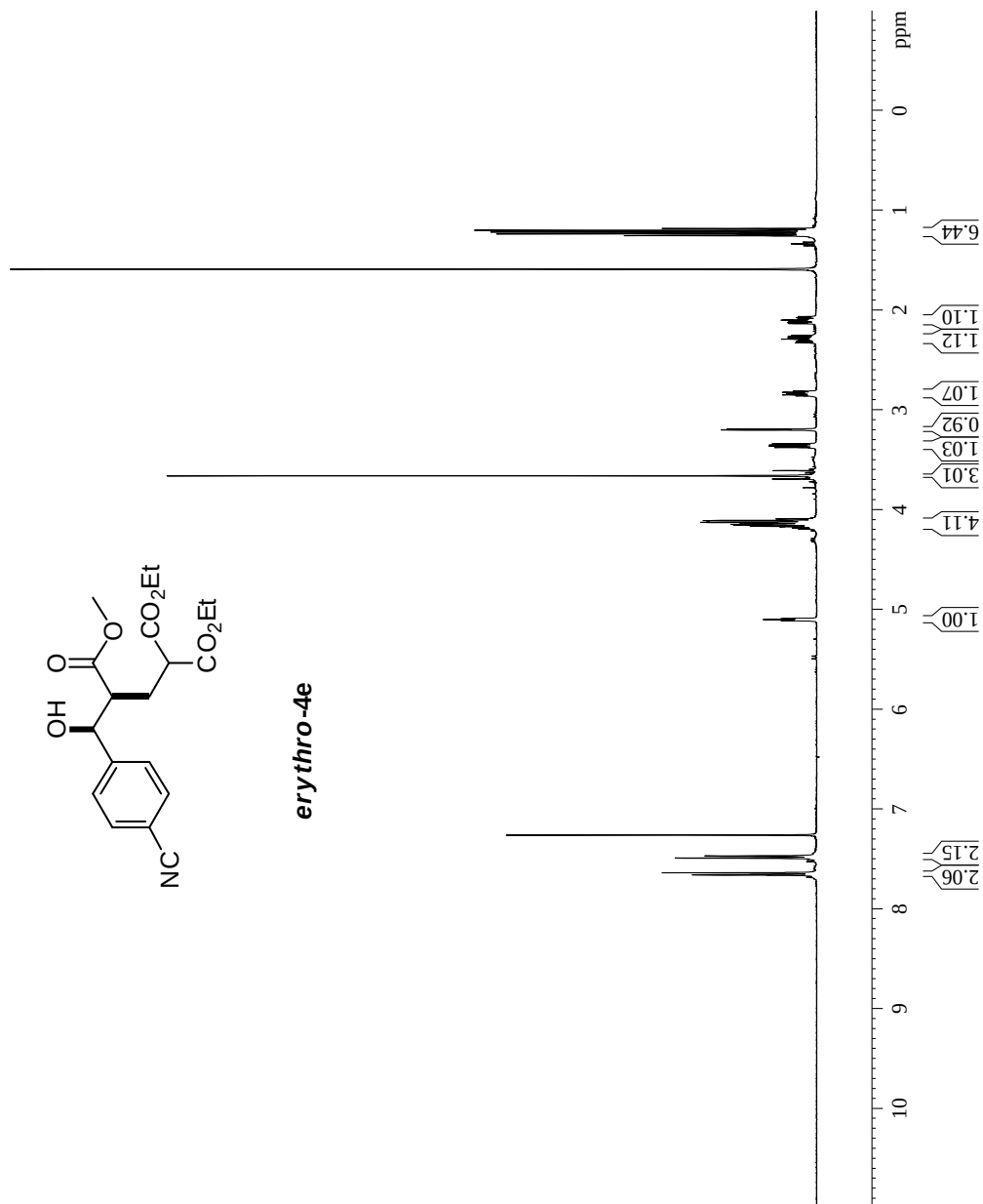
Current Data Parameters
NAME ncy130
EXPNO 5
PROCNO 1

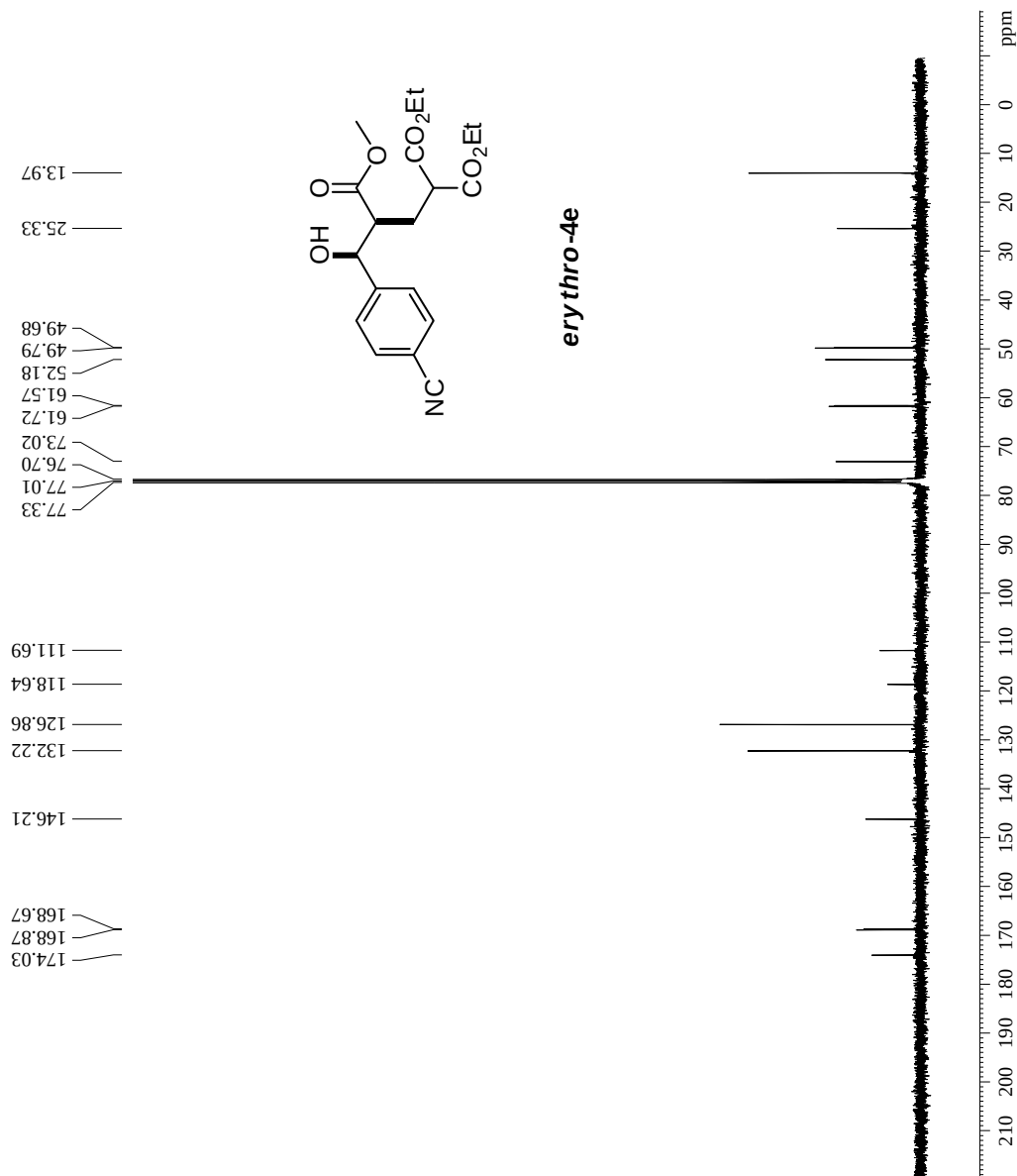
F2 - Acquisition Parameters
Date_ 20090710
Time 20.25
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 228.1
DW 83.400 usec
DE 6.50 usec
TE 299.2 K
D1 1.500000000 sec
MCREST 0.000000000 sec
MCWRK 0.015000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300088 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 12.87 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm





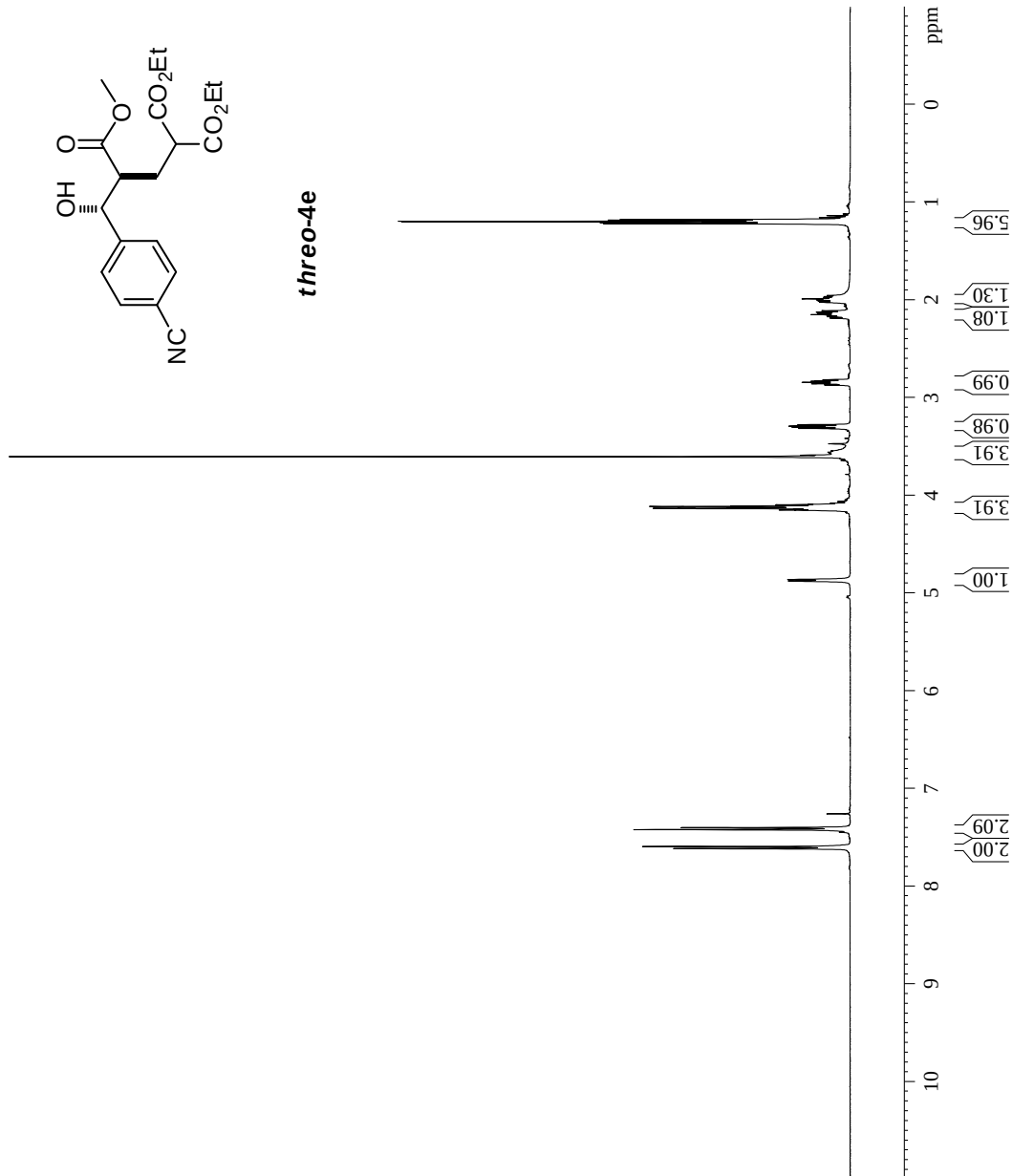
Current Data Parameters
NAME ncy130
EXPNO 3
PROCNO 1

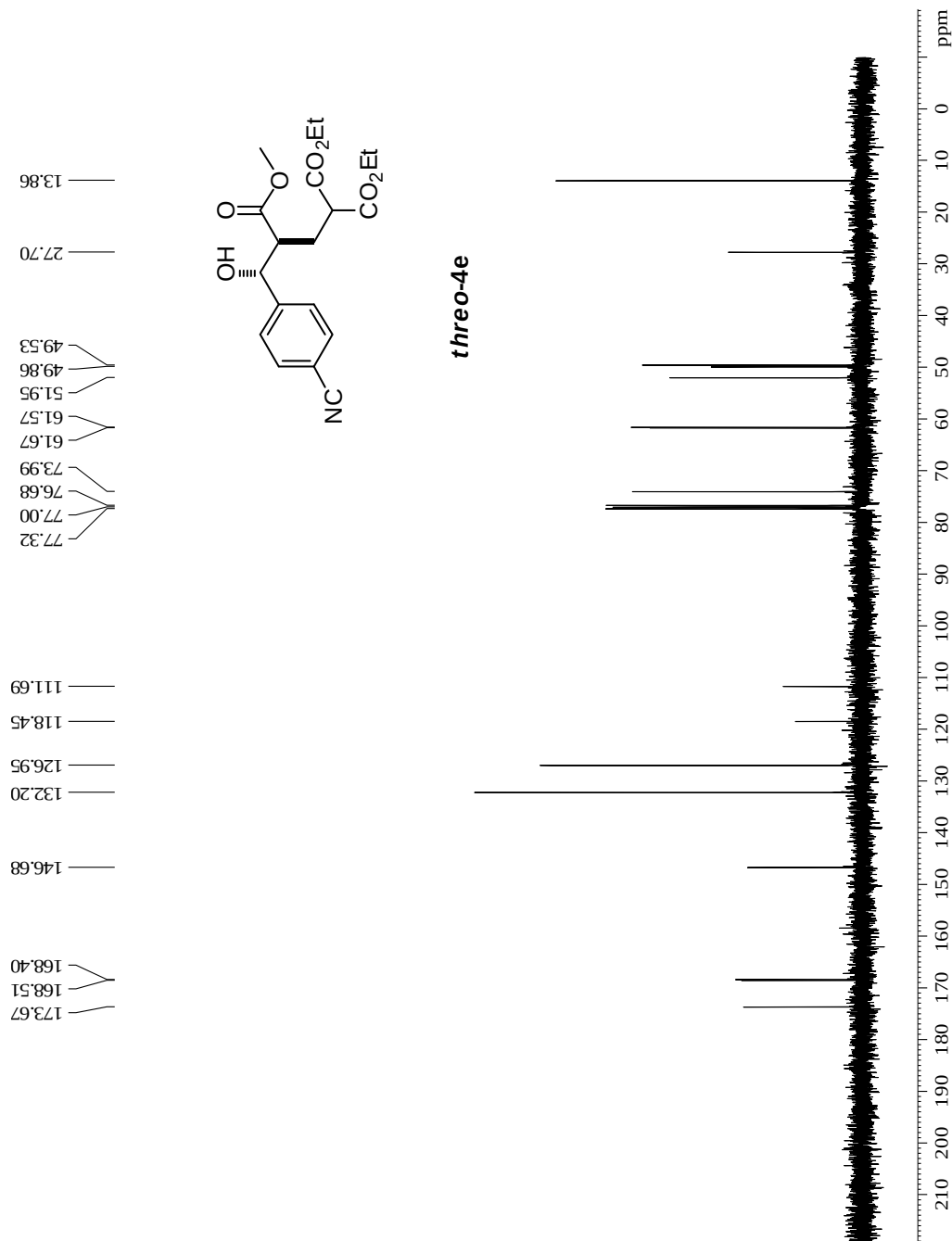
F2 - Acquisition Parameters
Date_ 20090710
Time 20.12
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 35.9
DW 83.400 usec
DE 0.50 usec
TE 299.1 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300088 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.46 cm
FLP 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



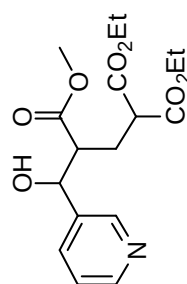


Current Data Parameters
 NAME ncy250
 EXPNO 12
 PROCNO 1

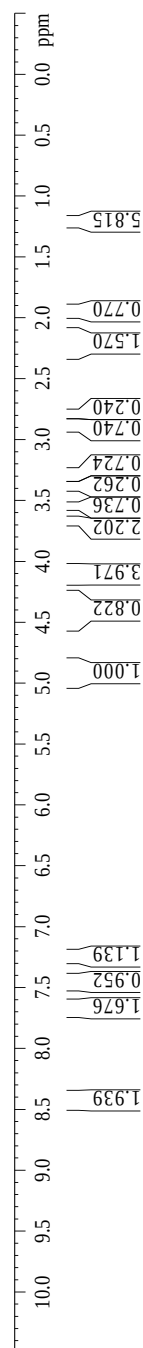
F2 - Acquisition Parameters
 Date_ 20100503
 Time 16.26
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zg30
 TD 16384
 SOLVENT CDCl3
 NS 16
 DS 0
 SWH 5995.204 Hz
 FIDRES 0.365918 Hz
 AQ 1.3664756 sec
 RG 64
 DW 83.400 usec
 DE 8.00 usec
 TE 297.6 K
 D1 2.00000000 sec
 MCREST 0.00000000 sec
 MCWRK 0.01500000 sec

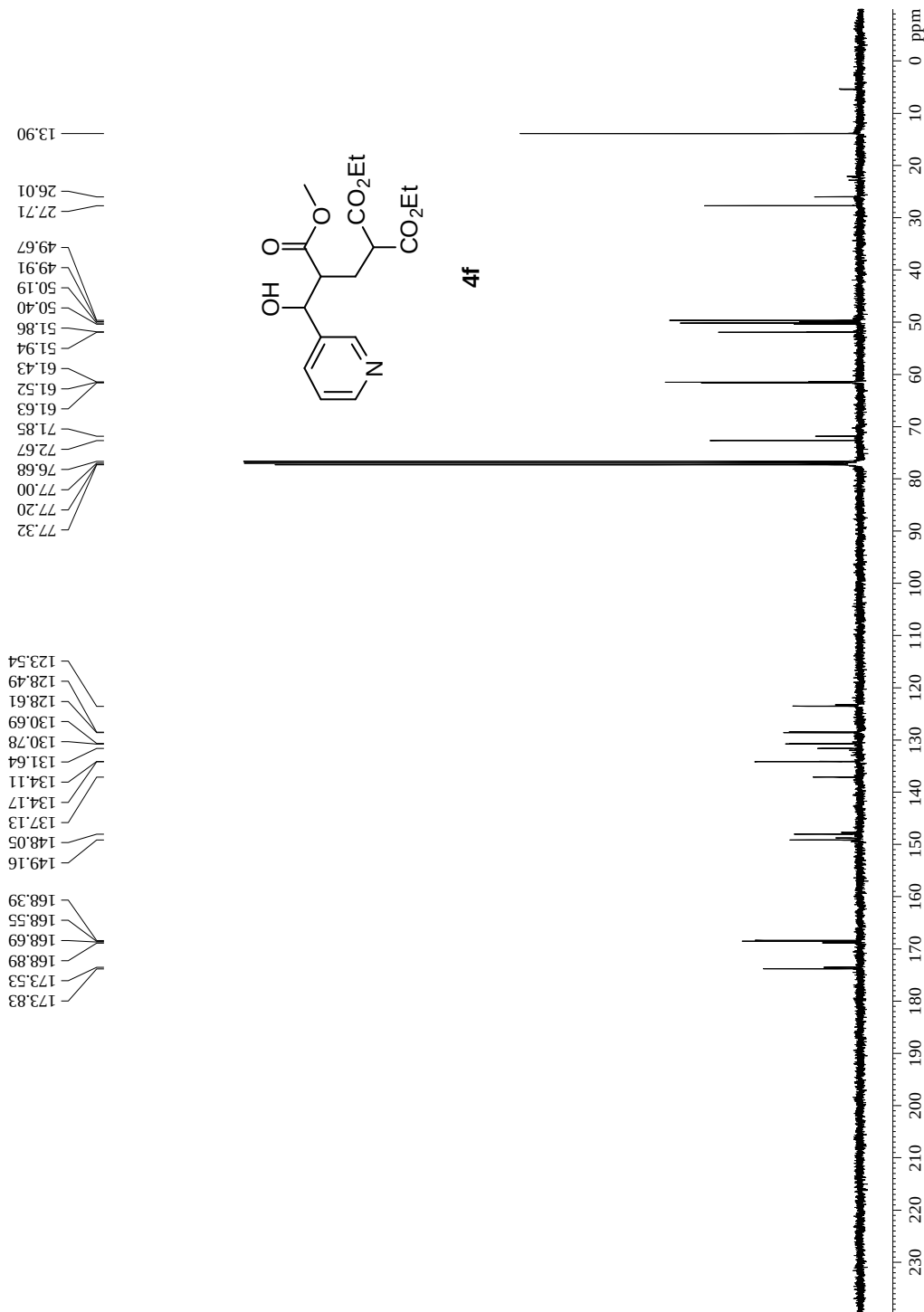
===== CHANNEL f1 =====
 NUC1 1H
 P1 10.00 usec
 PL1 0.00 dB
 SF01 400.1326008 MHz

F2 - Processing parameters
 SI 16384
 SF 400.1300099 MHz
 WDW EM
 SSB 0
 LB 0.10 Hz
 GB 0
 PC 1.00



4f





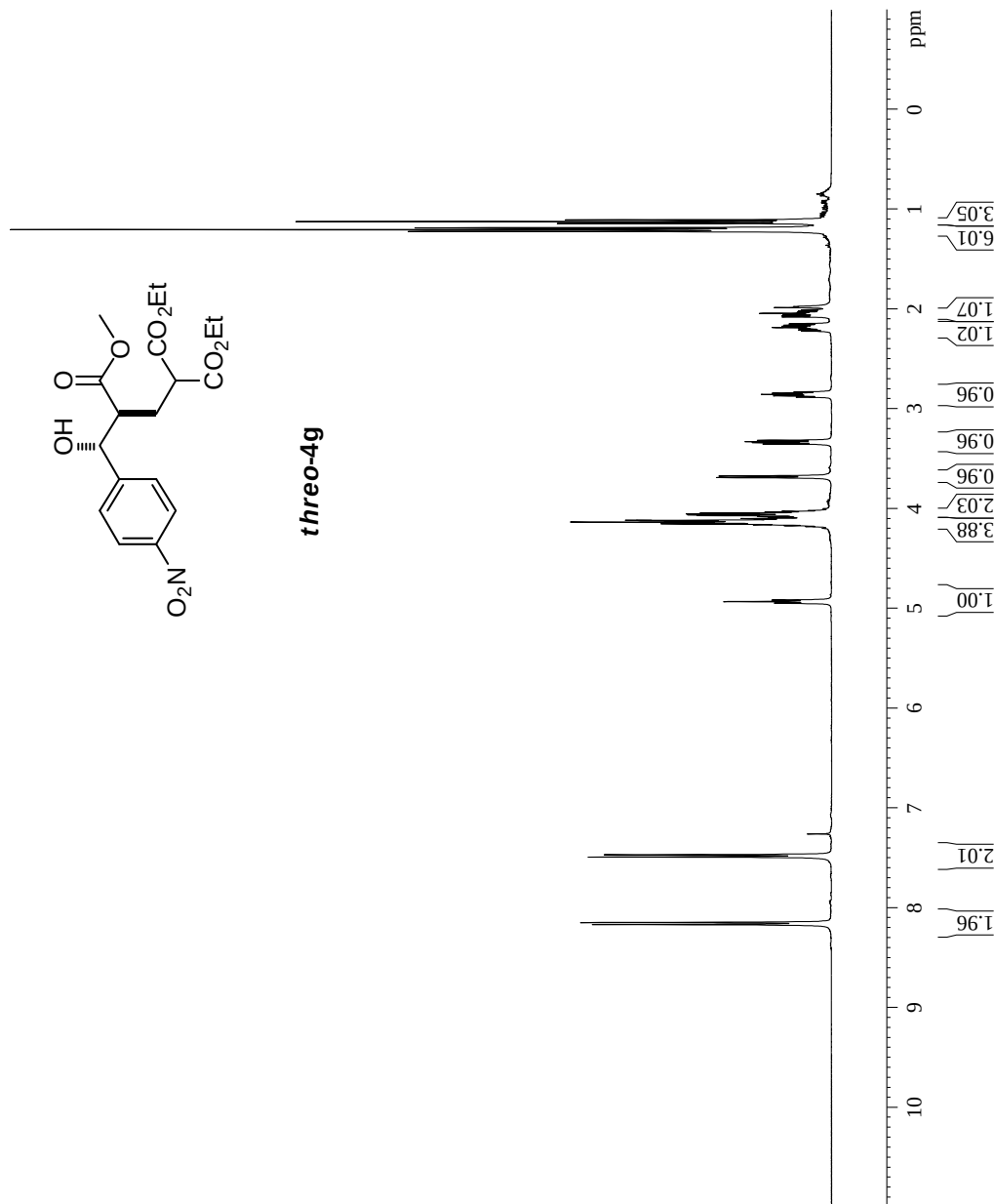
Current Data Parameters
NAME ncy138
EXPNO 5
PROCNO 1

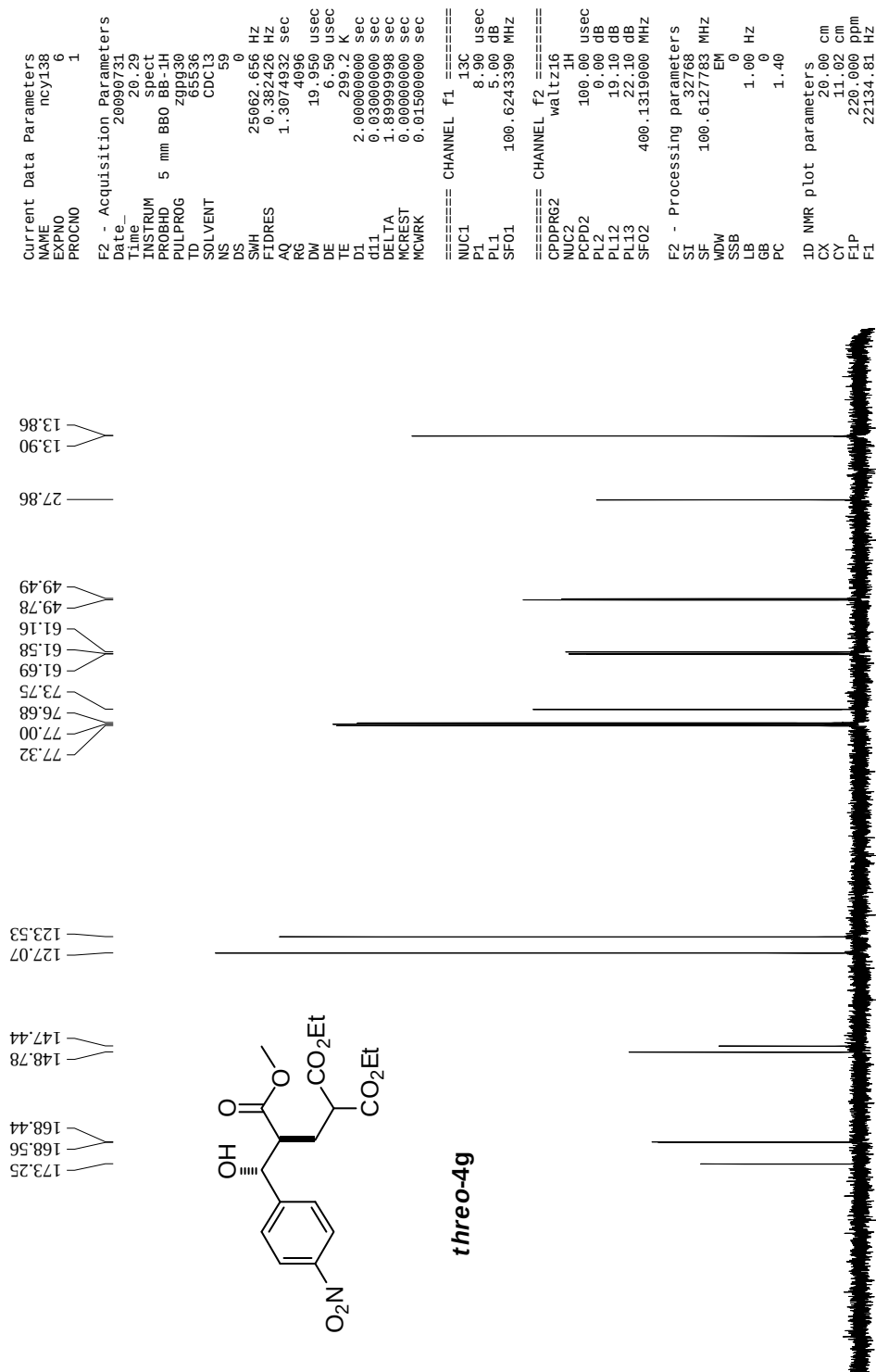
F2 - Acquisition Parameters
Date_ 20090731
Time 20.26
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDC13
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 32
DW 83.400 usec
DE 6.50 usec
TE 298.8 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326000 MHz

F2 - Processing parameters
SI 16384
SF 400.1300084 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.43 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



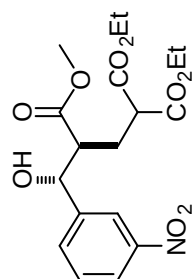


Current Data Parameters
NAME ncy116
EXPNO 3
PROCNO 1

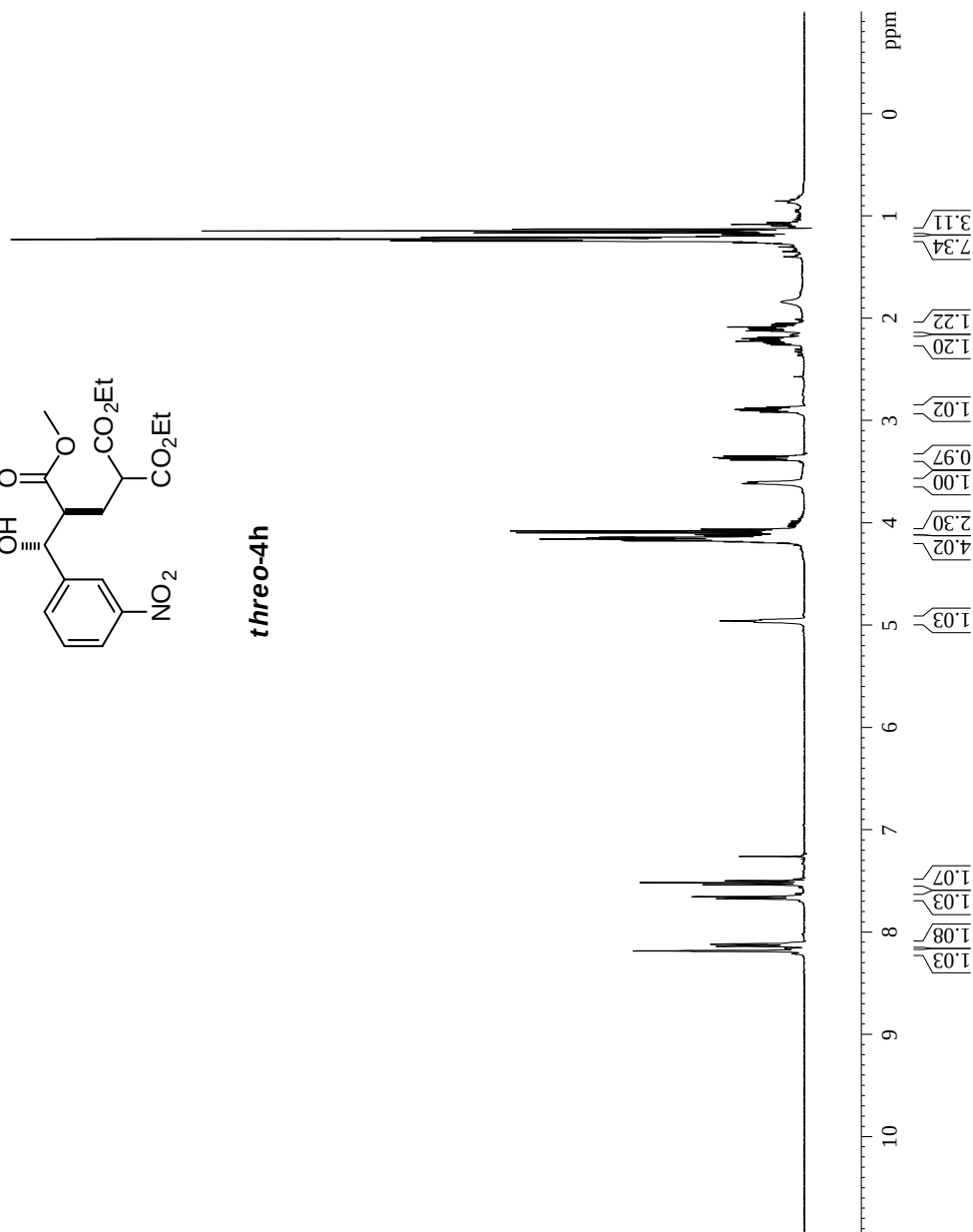
F2 - Acquisition Parameters
Date_ 20090602
Time 21.40
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 1
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 50.8
DW 83.400 usec
DE 6.50 usec
TE 299.1 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWIRK 0.01500000 sec

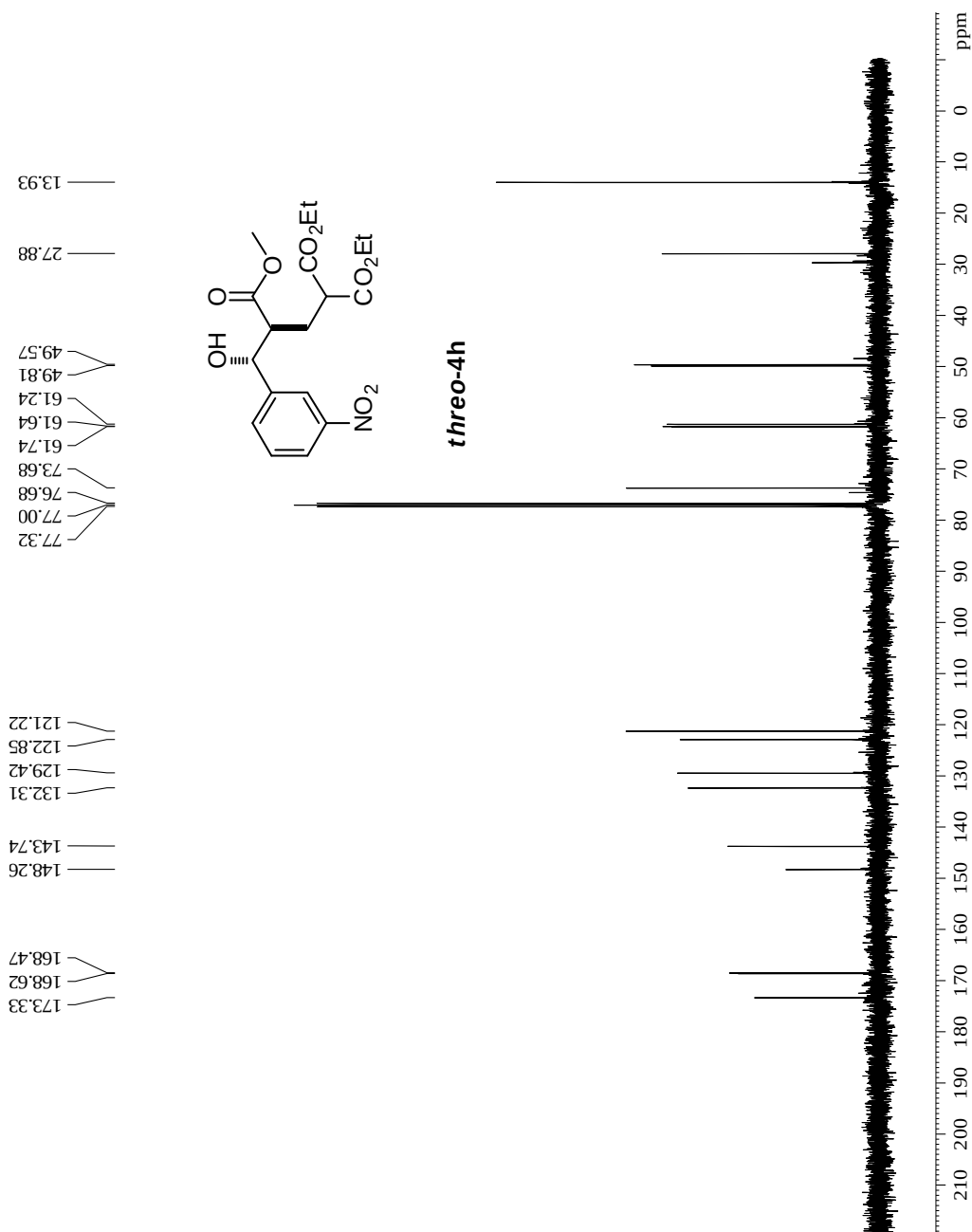
===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300091 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00



threo-4h





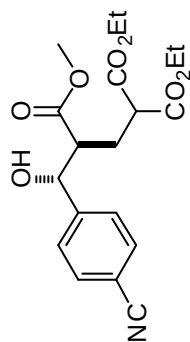
Current Data Parameters
NAME ncy140
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20100529
Time 15.49
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 6009.615 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 406.4
DW 83.200 usec
DE 6.50 usec
TE 299.6 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

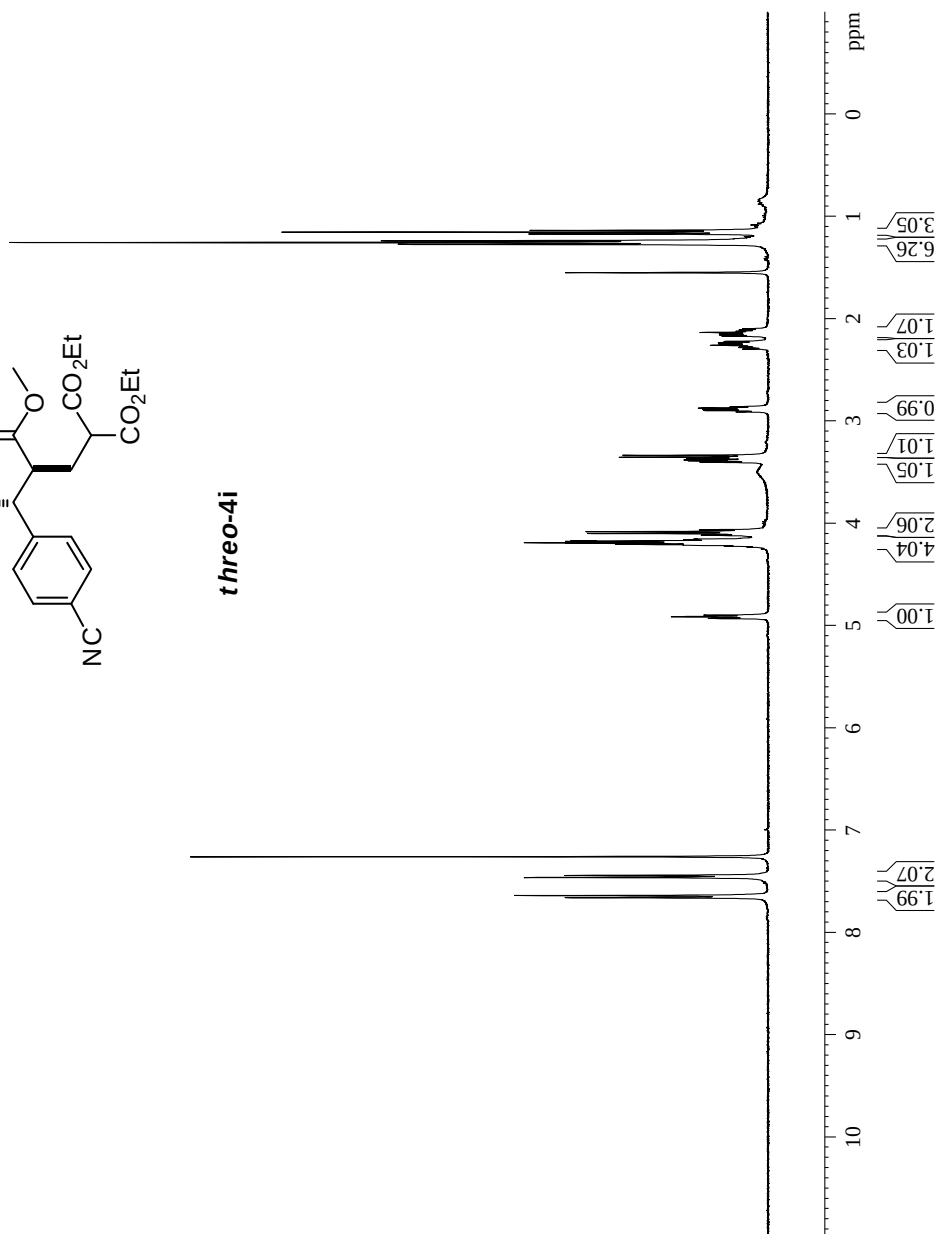
===== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PL1 5.20 dB
SF01 400.1326008 MHz

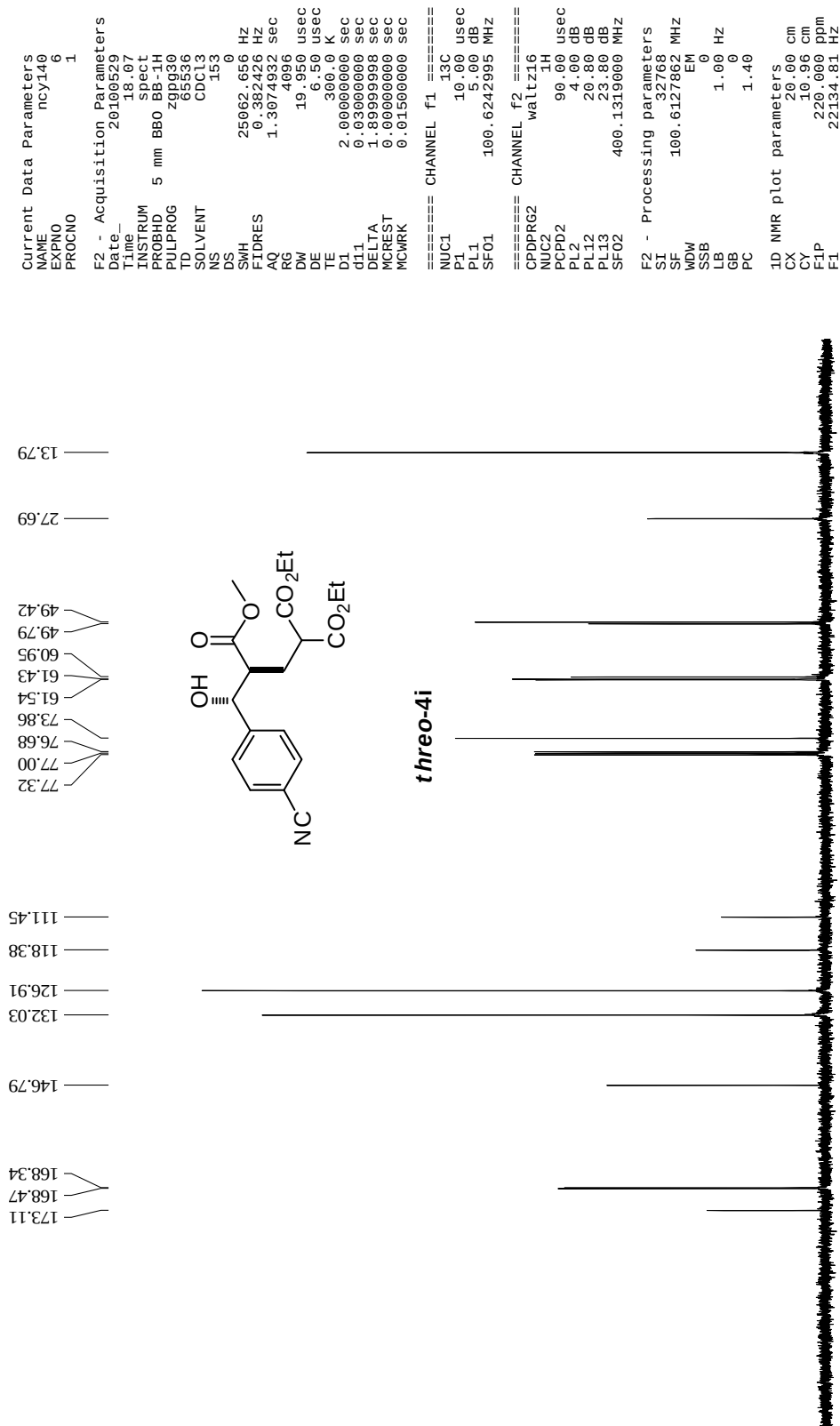
F2 - Processing parameters
SI 16384
SF 400.1300095 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.44 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



threo-4*i*





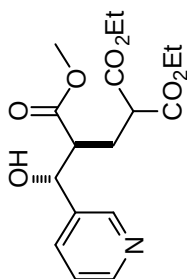
Current Data Parameters
NAME ncy153
EXPNO 7
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090919
Time_ 18.27
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 1
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 22.6
DW 83.400 usec
DE 6.50 usec
TE 299.9 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

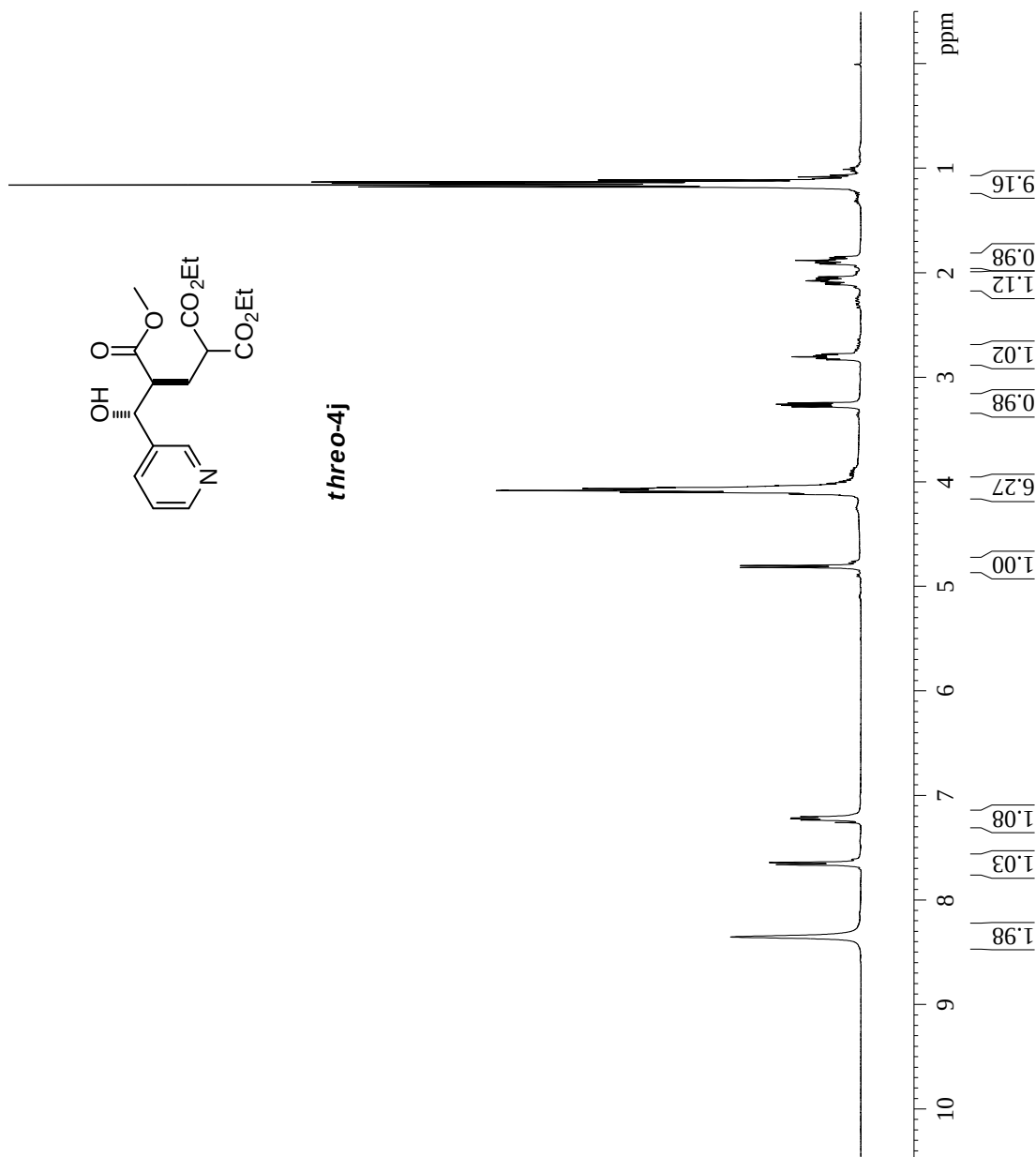
===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

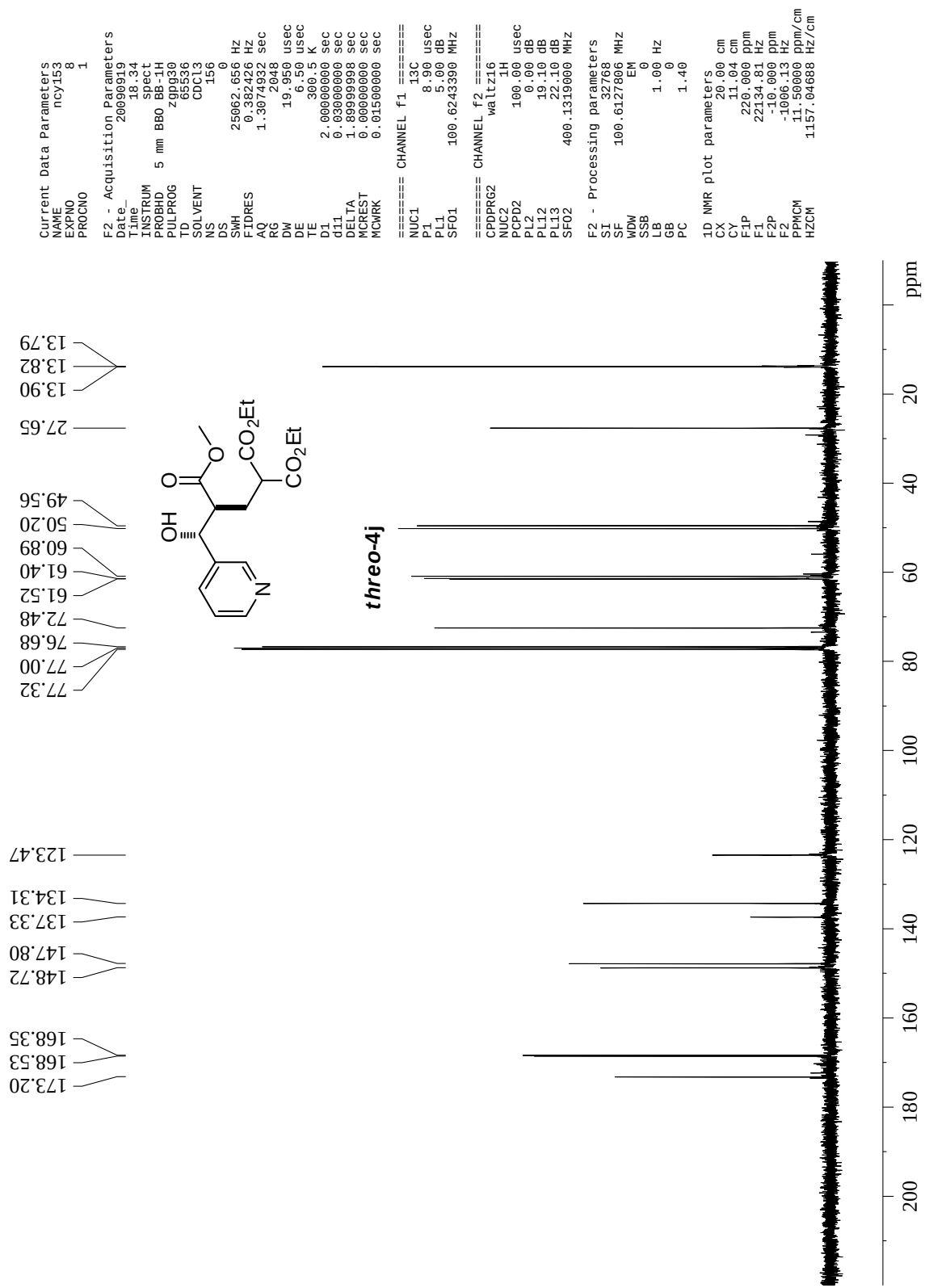
F2 - Processing parameters
SI 16384
SF 400.1300084 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 6.21 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



threo-4j





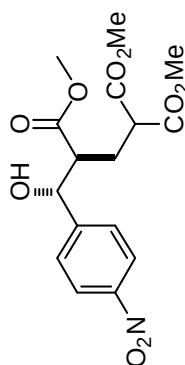
Current Data Parameters
NAME ncy152
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090919
Time 18.44
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 1
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 101.6
DM 83.400 usec
DE 6.50 usec
TE 299.9 K
D1 1.50000000 sec
MCREST 0.00000000 sec
MCMRK 0.01500000 sec

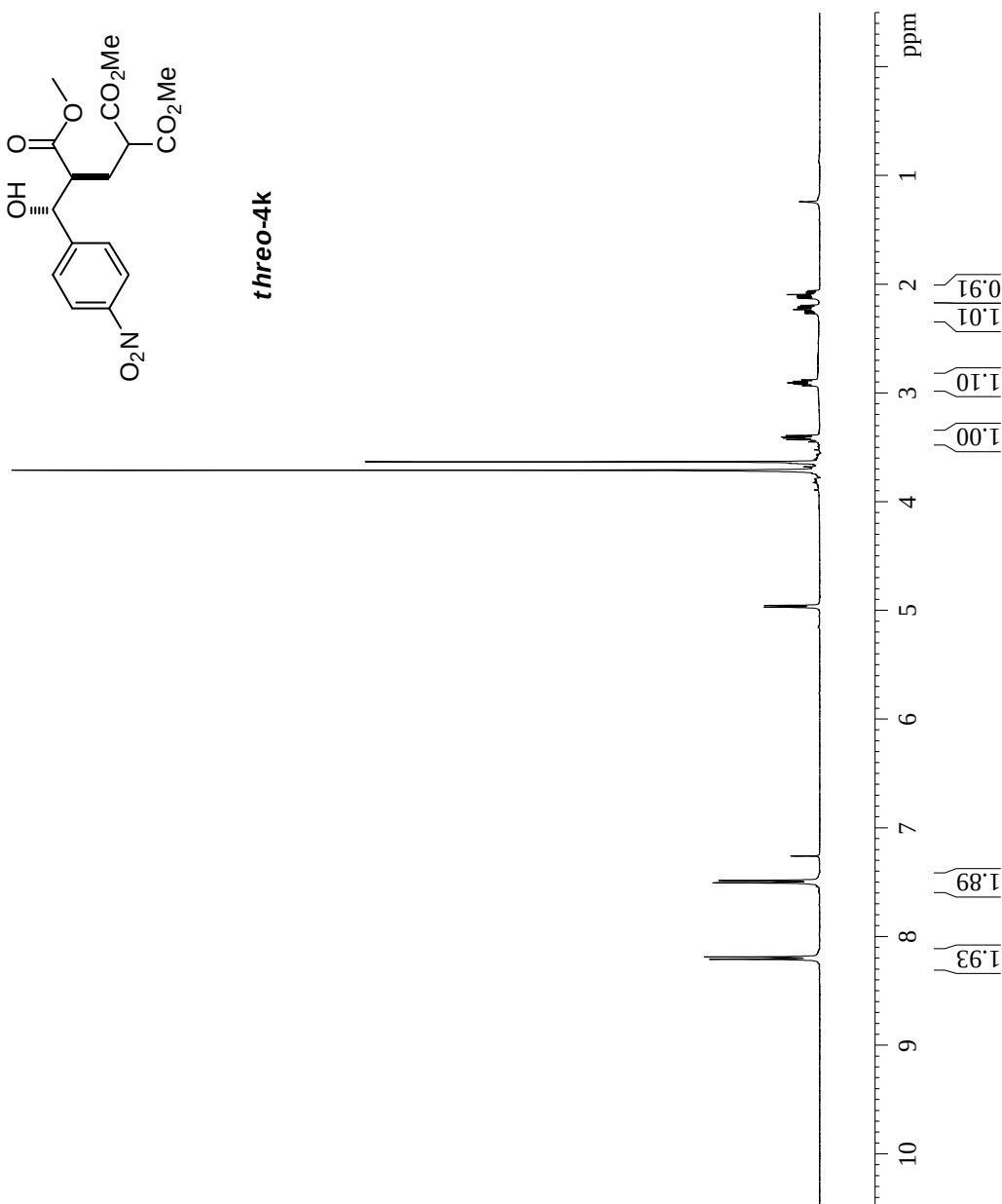
==== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300088 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 13.29 cm
F1P 10.500 ppm
F1 4201.37 Hz
F2P -0.500 ppm
F2 -200.06 Hz
PPMCM 0.55000 ppm/cm
HZCM 220.07150 Hz/cm



threo-4k



Current Data Parameters
NAME ncy152
EXPNO 6
PROCNO 1

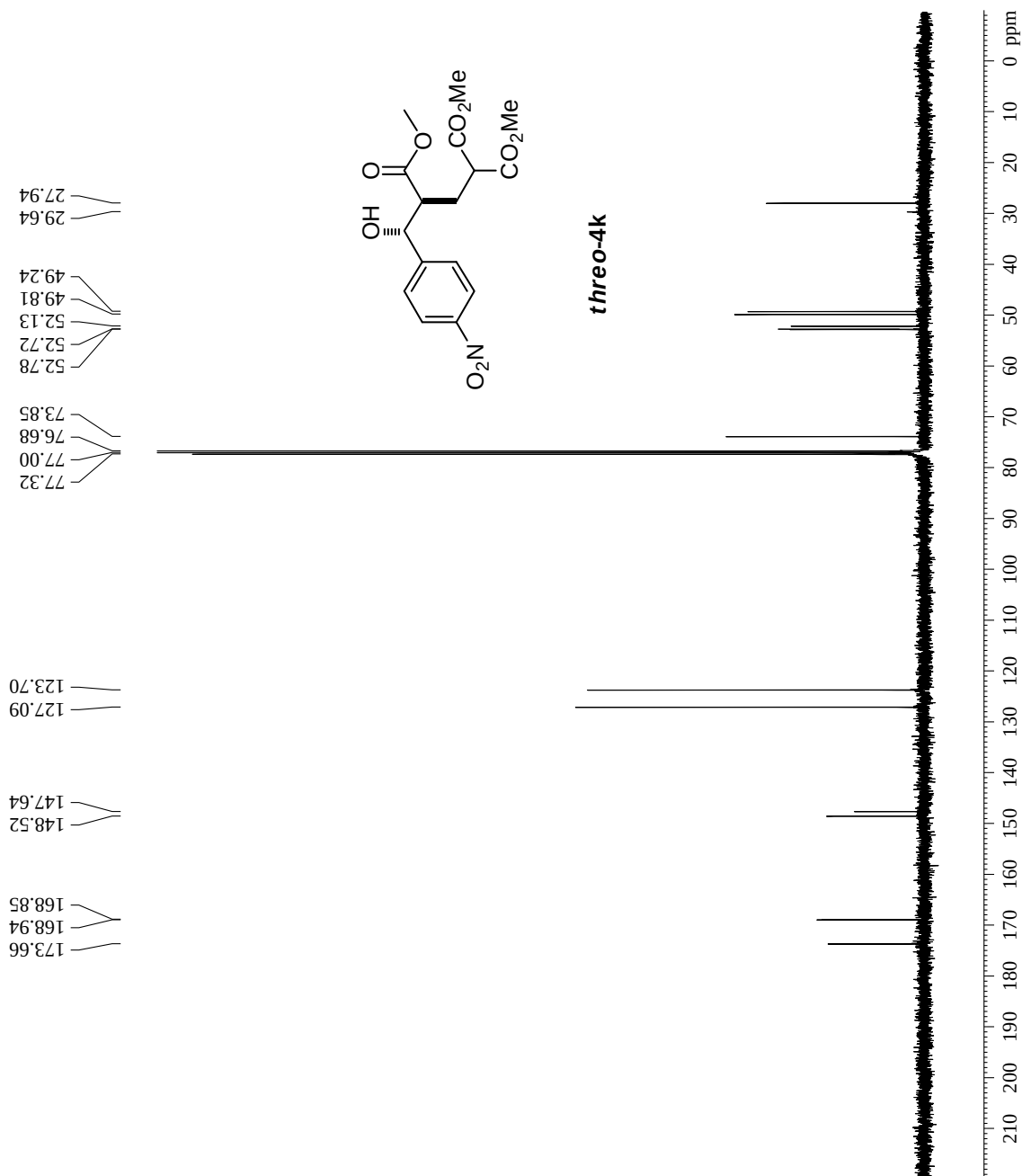
F2 - Acquisition Parameters
Date_ 20090919
Time 18.49
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 187
DS 0
SWH 25062.656 Hz
FIDRES 0.382426 Hz
AQ 1.3074932 sec
RG 2048
DW 19.950 usec
DE 6.50 usec
TE 300.4 K
D1 2.00000000 sec
d11 0.83000000 sec
DELTA 1.89999998 sec
MCREST 0.80000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 ¹³C
P1 8.90 usec
PL1 5.00 dB
SF01 100.6243390 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 ¹H
PCPD2 100.00 usec
PL2 0.00 dB
PL12 19.10 dB
PL13 22.10 dB
SF02 400.1319000 MHz

F2 - Processing parameters
SI 32768
SF 100.6127729 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 20.00 cm
CY 12.50 cm
F1P 220.000 ppm
F1 22134.81 Hz
F2P -10.000 ppm
F2 -1006.13 Hz
PPMCM 11.50000 ppm/cm
HZCM 1157.04688 Hz/cm

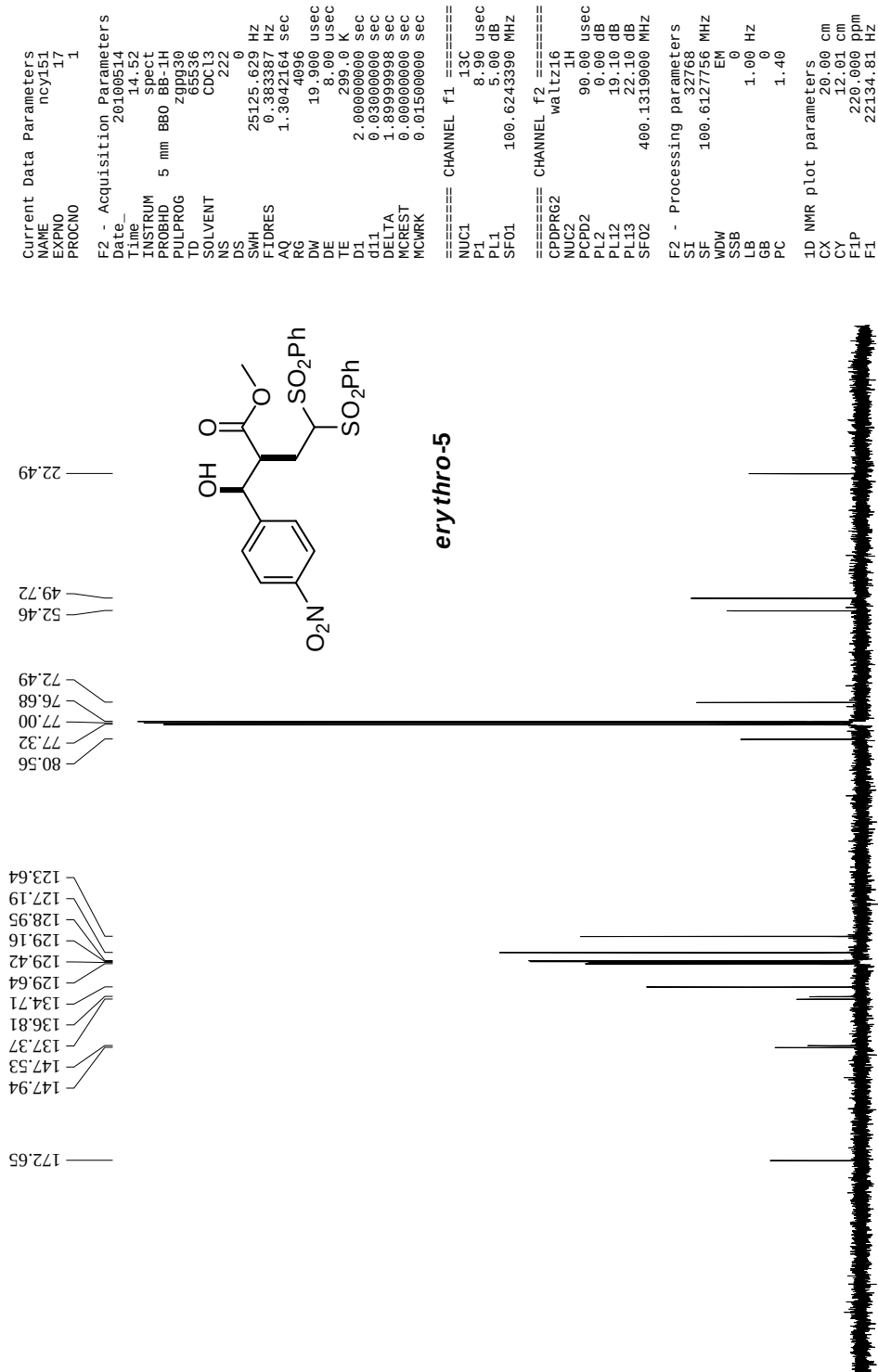


erythro-5

COC(=O)[C@H](O)[C@H](c1ccc([N+](=O)[O-])cc1)CC(S(=O)(=O)c2ccccc2)S(=O)(=O)c3ccccc3

10 9 8 7 6 5 4 3 2 1 0 ppm

2.00 2.07 4.06 4.11 2.09 1.00 1.03 3.03 1.00 1.02 1.01

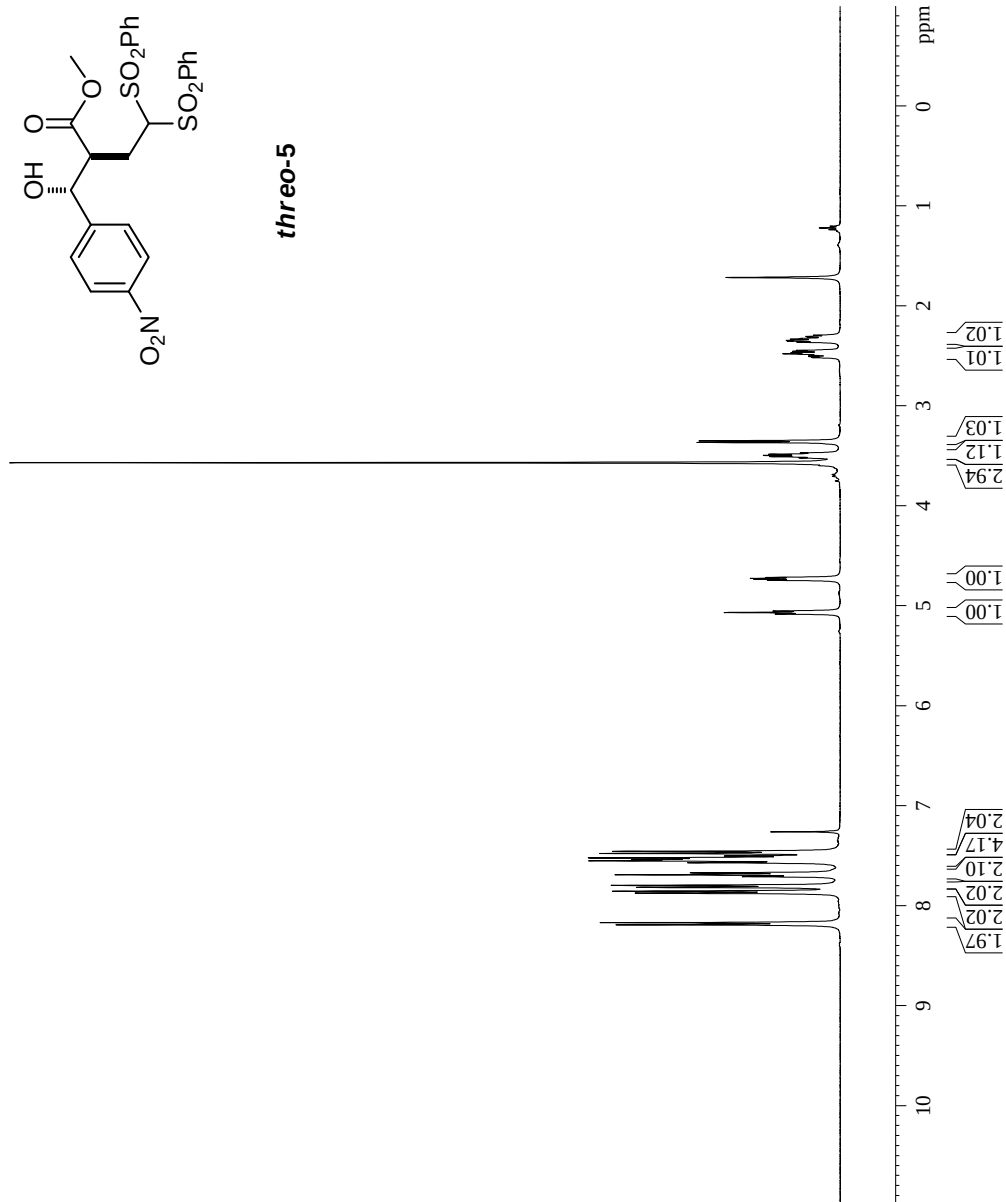


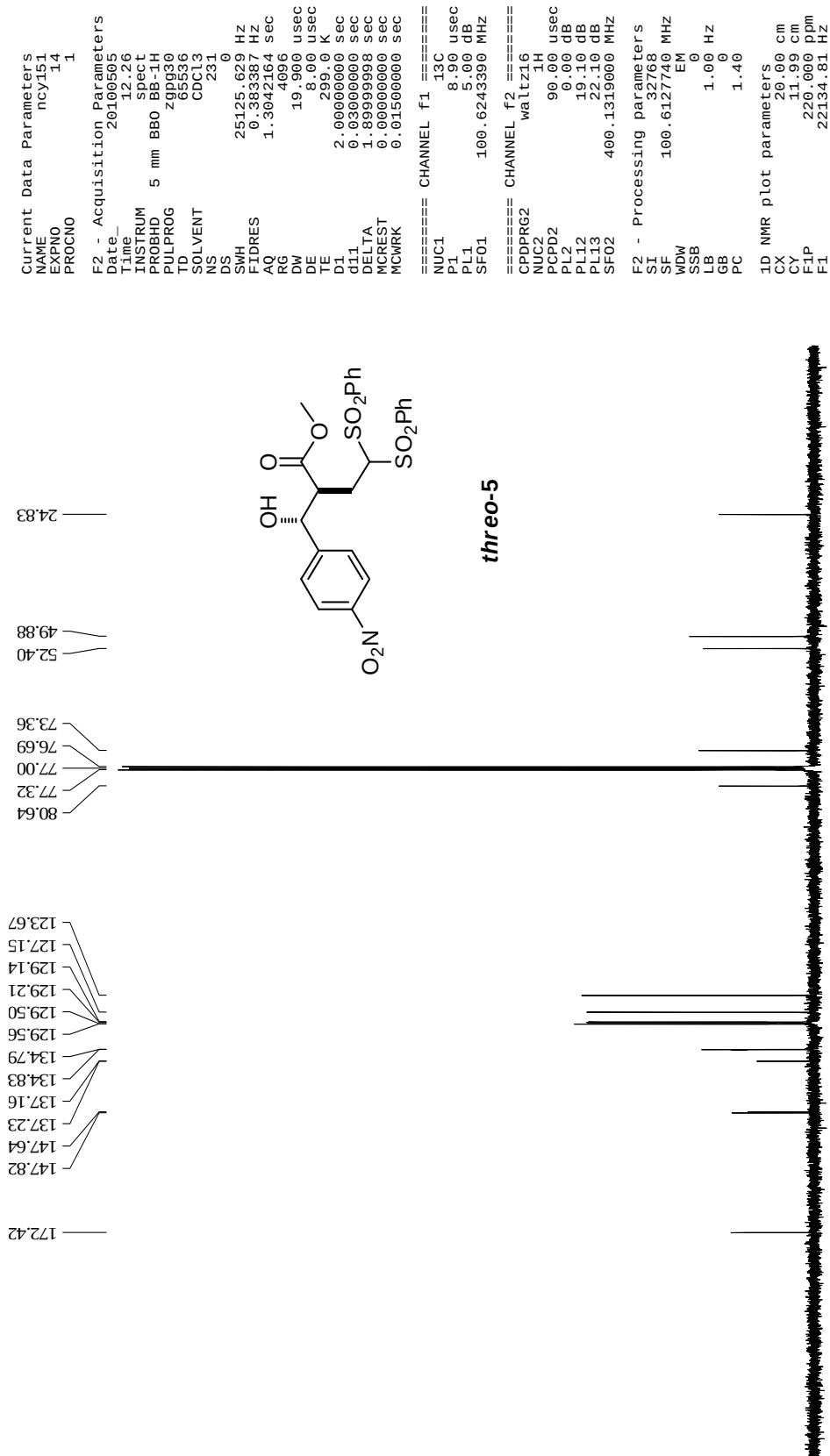
Current Data Parameters
NAME ncy151
EXPNO 13
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160505
Time 12.23
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 128
DW 83.400 usec
DE 8.00 usec
TE 298.7 K
D1 2.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 400.1326008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300091 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00



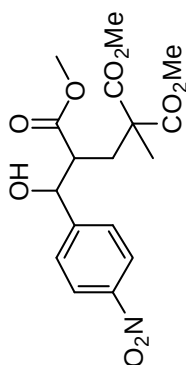


Current Data Parameters
NAME ED0356
EXPNO 12
PROCNO 1

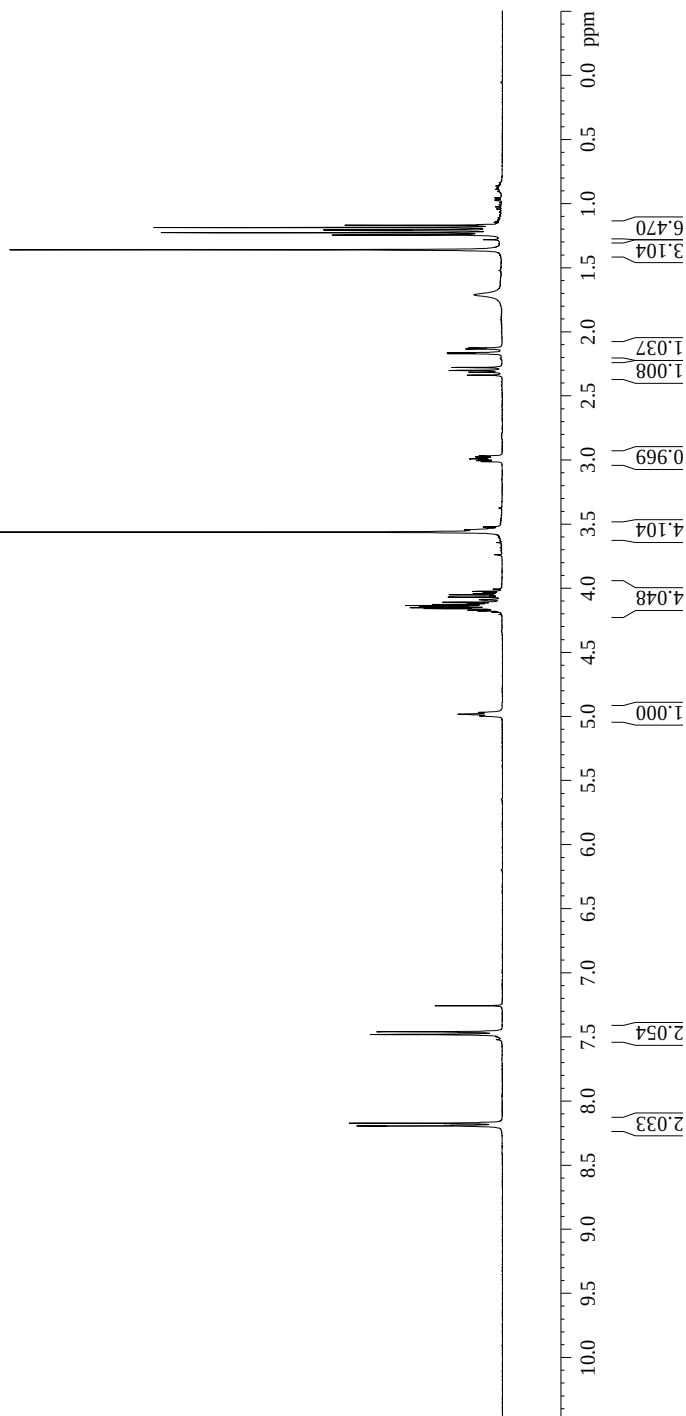
F2 - Acquisition Parameters
Date_ 20100413
Time 7.14
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 8
DS 0
SWH 5995.204 Hz
FIDRES 0.365918 Hz
AQ 1.3664756 sec
RG 161.3
DE 83.400 usec
TE 8.00 usec
D1 673.2 K
MCREST 1.50000000 sec
MCWRK 0.00000000 sec
0.01500000 sec

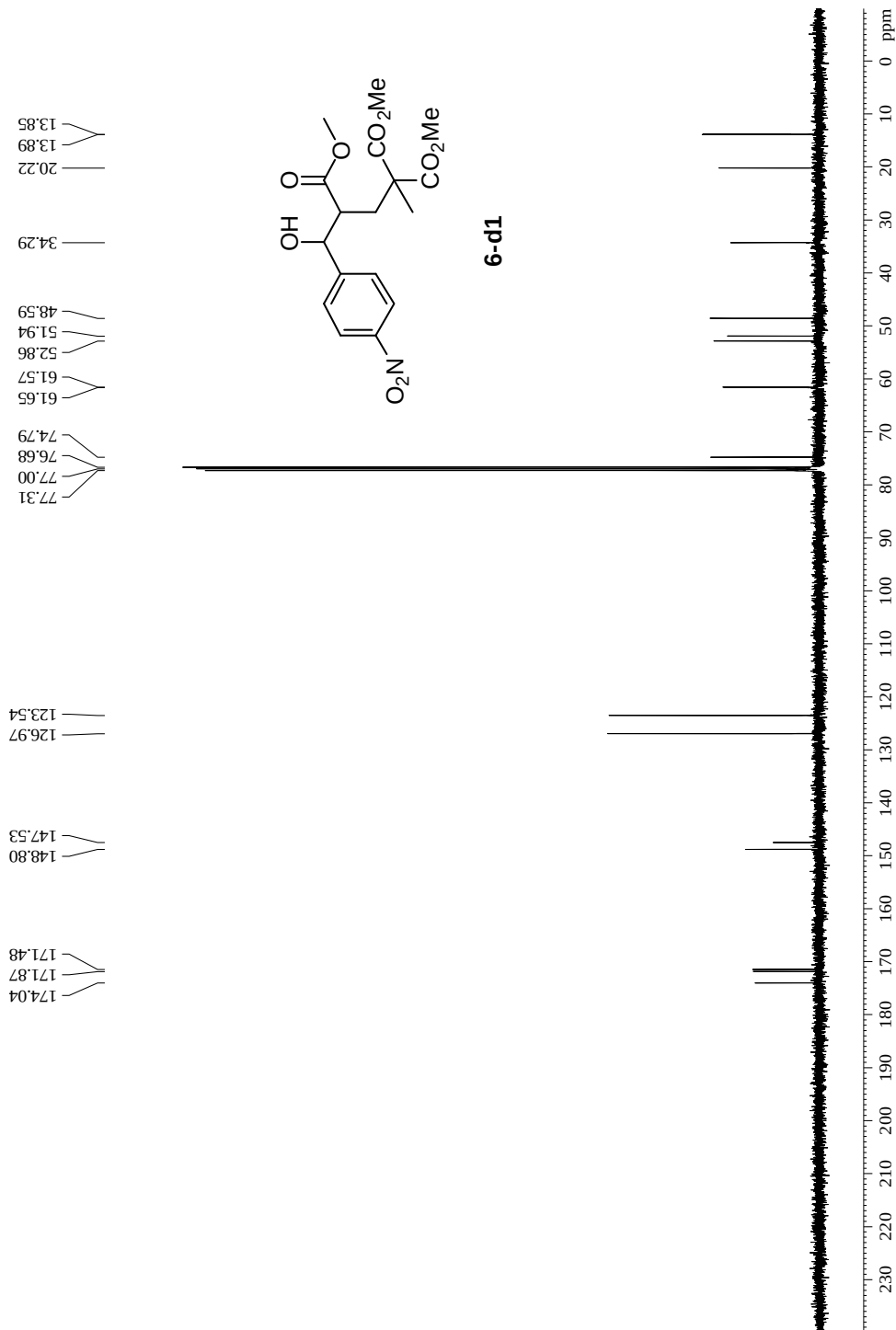
===== CHANNEL f1 =====
NUC1 1H
P1 9.70 usec
PL1 3.00 dB
SF01 400.1326008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300095 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00



6-d1





Current Data Parameters
NAME ED0356
EXPNO 13
PROCNO 1

F2 - Acquisition Parameters
Date_ 20100413
Time 7.15
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl₃
NS 217
DS 0
SWH 25125.629 Hz
FIDRES 0.383387 Hz
AQ 1.3042164 sec
RG 4096
DW 19.900 usec
DE 8.00 usec
TE 673.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

==== CHANNEL f1 =====
NUC1 13C
P1 9.60 usec
PL1 7.00 dB
SF01 100.6243390 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 3.00 dB
PL12 22.20 dB
PL13 25.20 dB
SF02 400.1319000 MHz

F2 - Processing parameters
SI 32768
SF 100.6127725 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40