

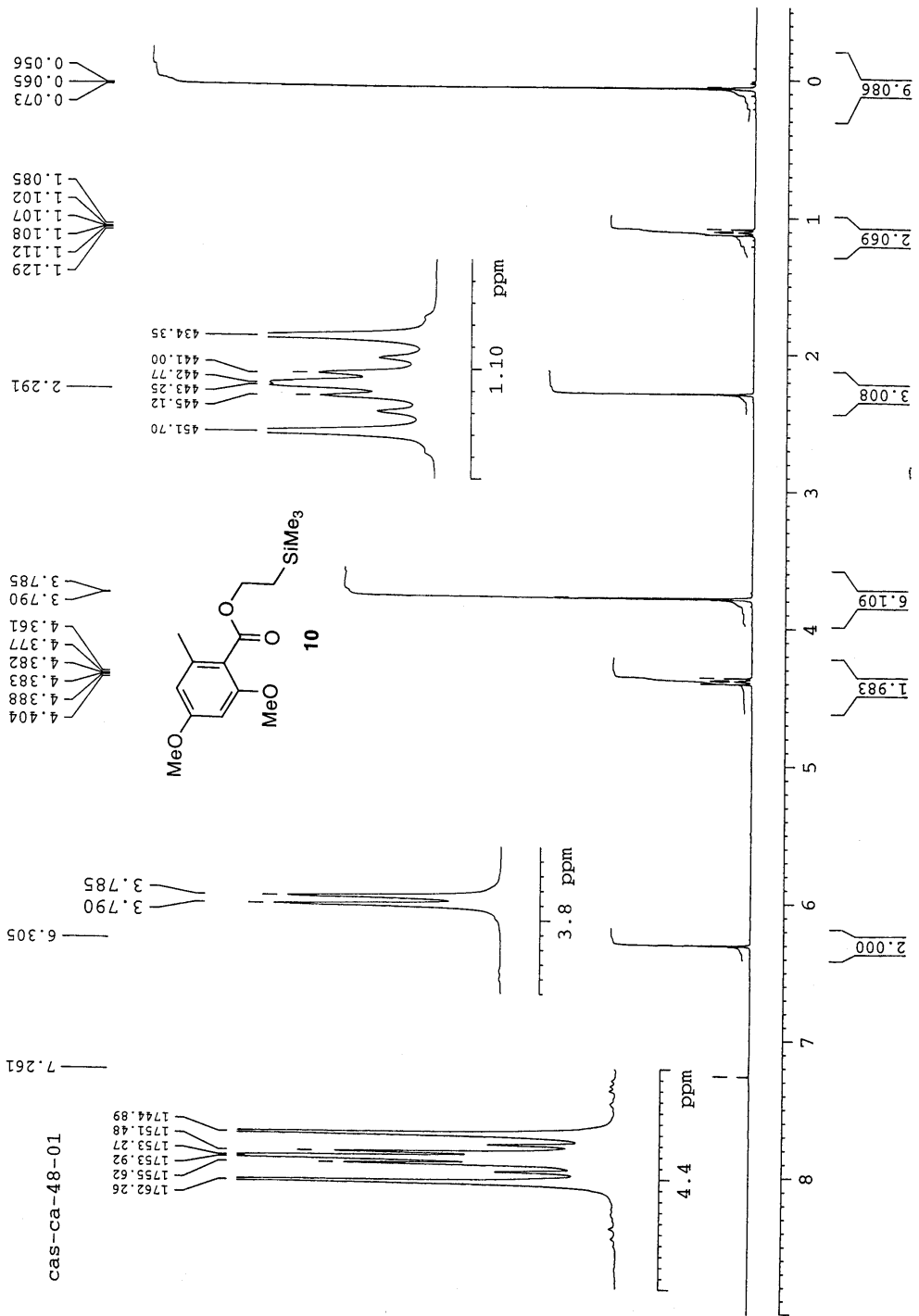
SUPPORTING INFORMATION

Total Synthesis of (S)-(+)-Citrefuran by Ring Closing Alkyne Metathesis

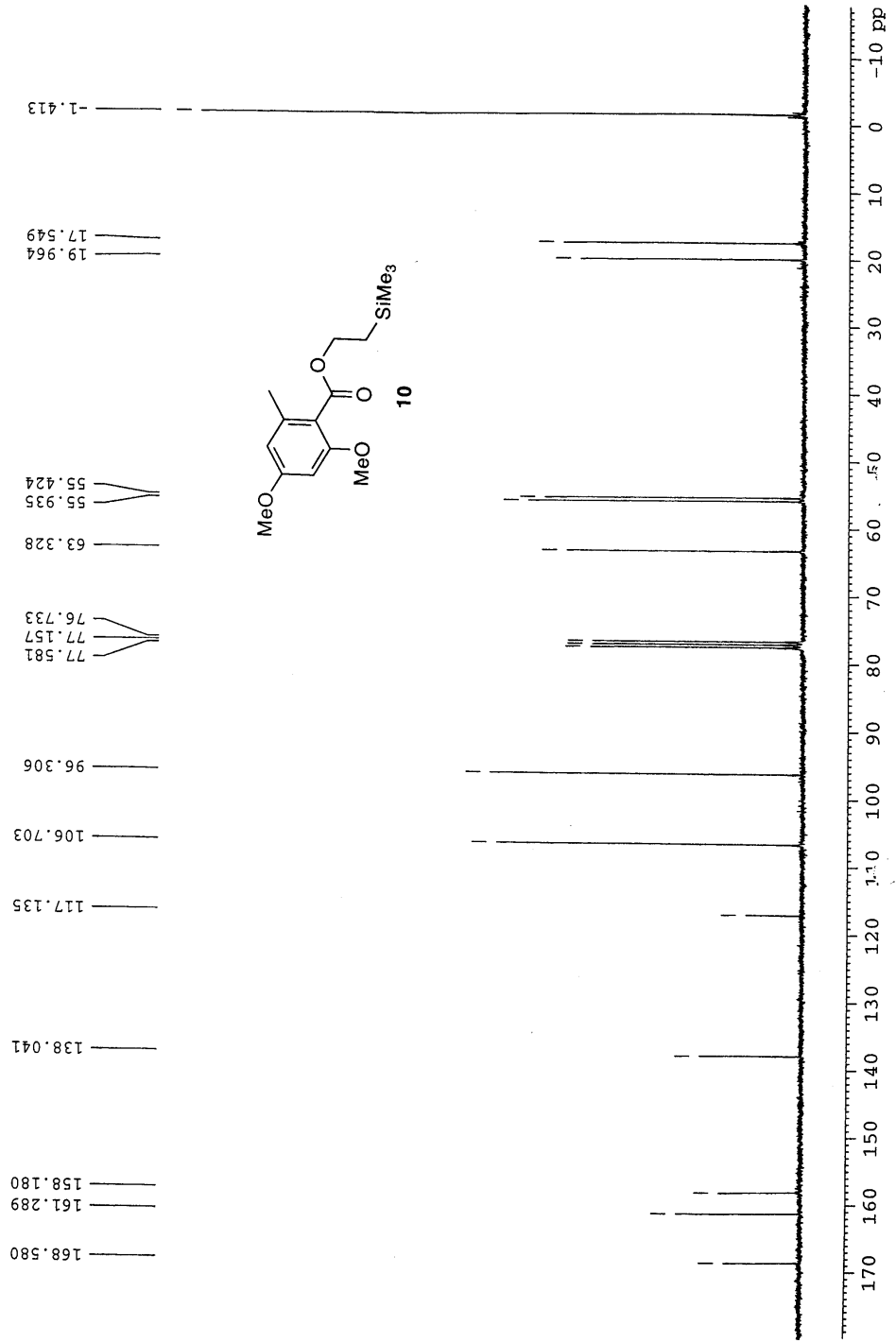
Alois Fürstner*, Sophie Castanet, Karin Radkowski, and Christian W. Lehmann

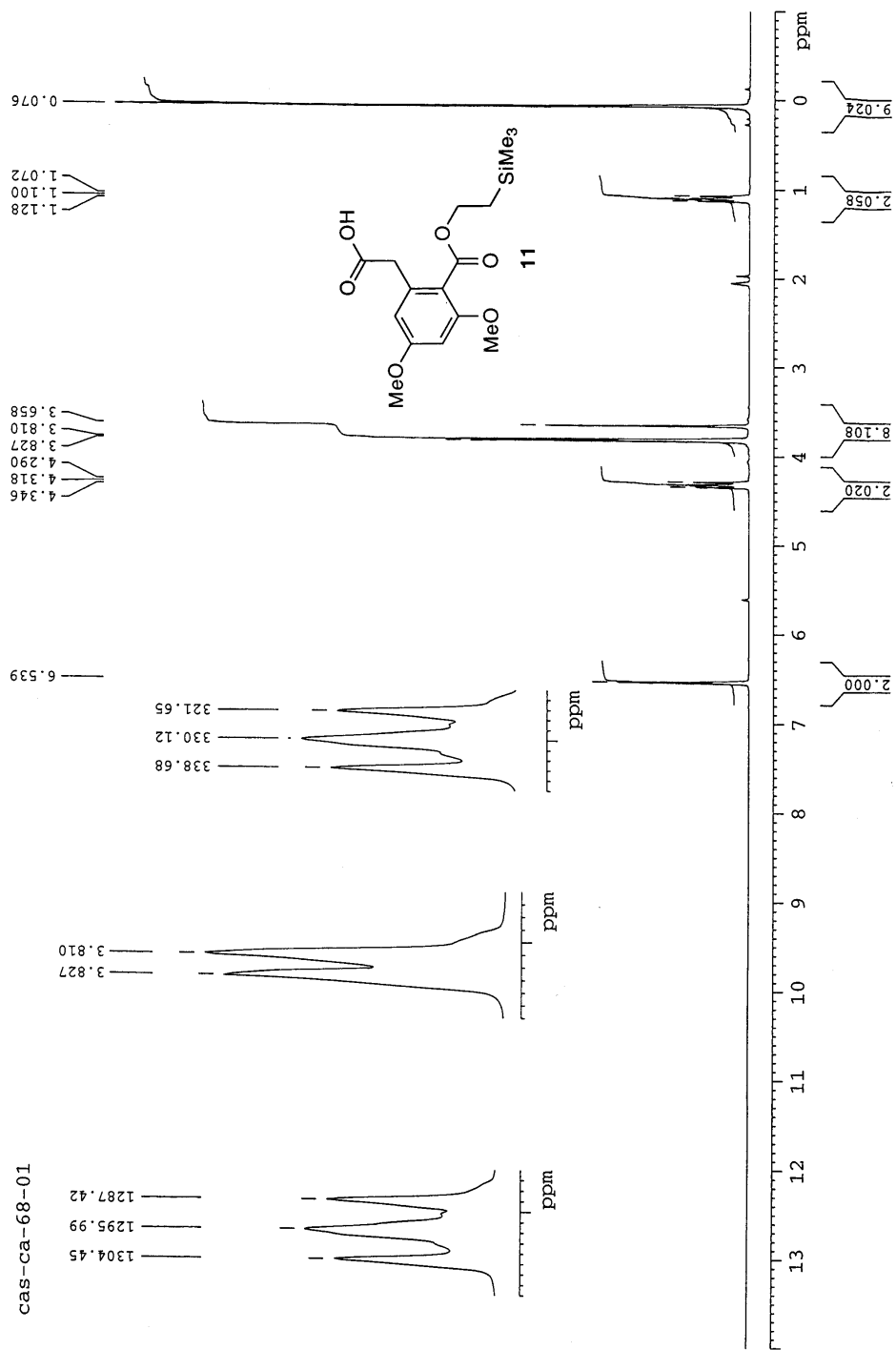
Max-Planck-Institut für Kohlenforschung, D-45470 Mülheim/Ruhr, Germany

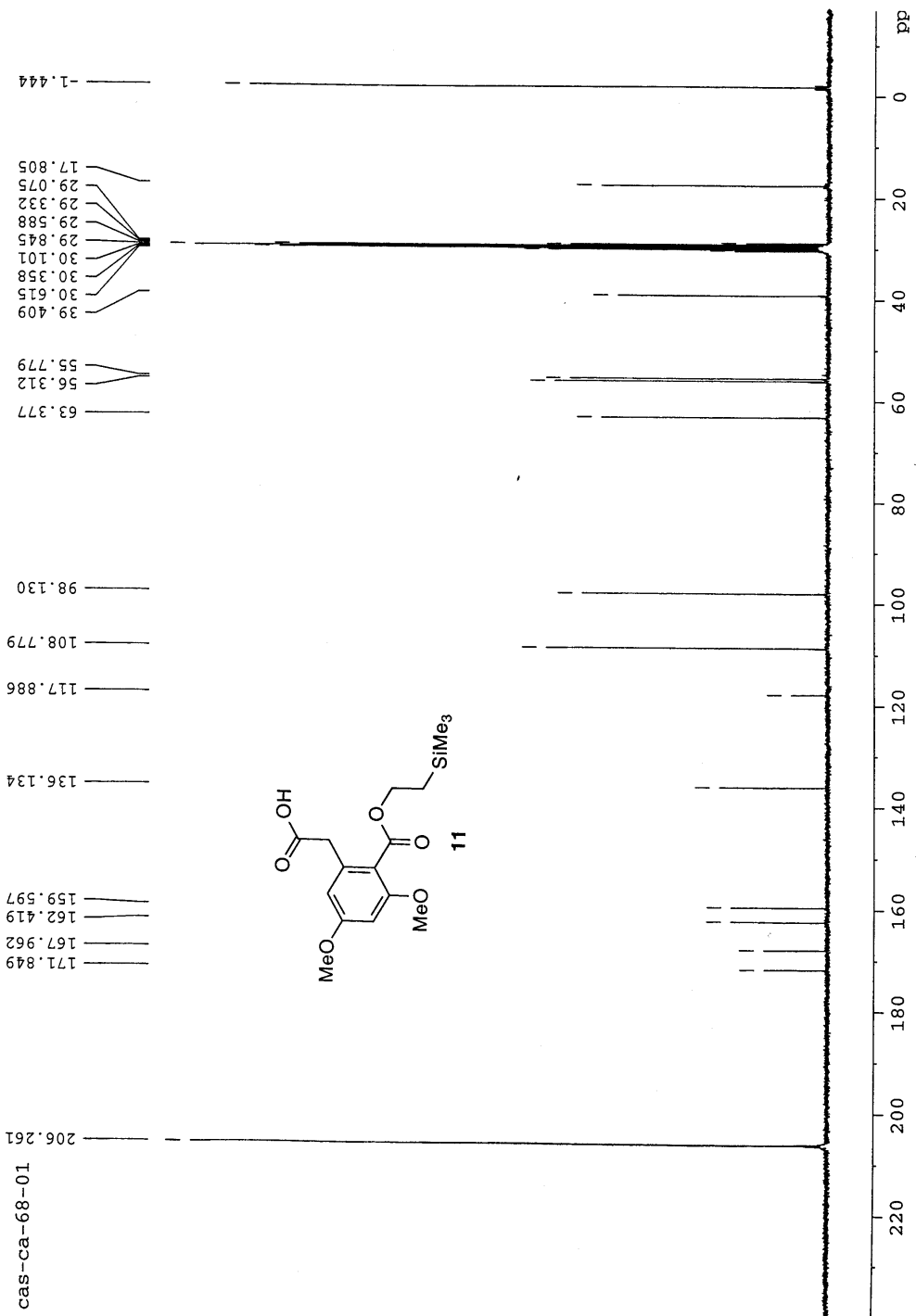
fuerstner@mpi-muelheim.mpg.de

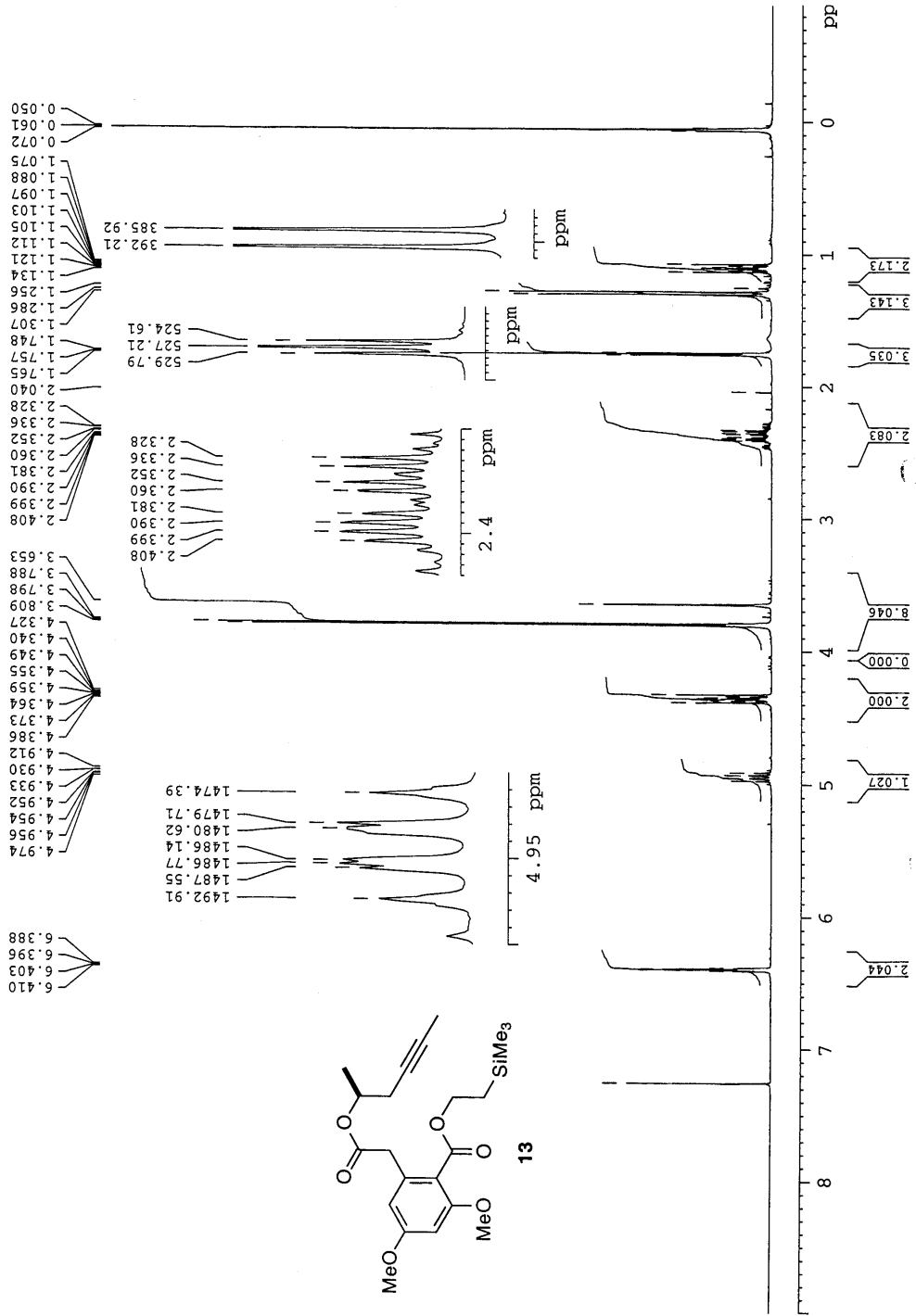


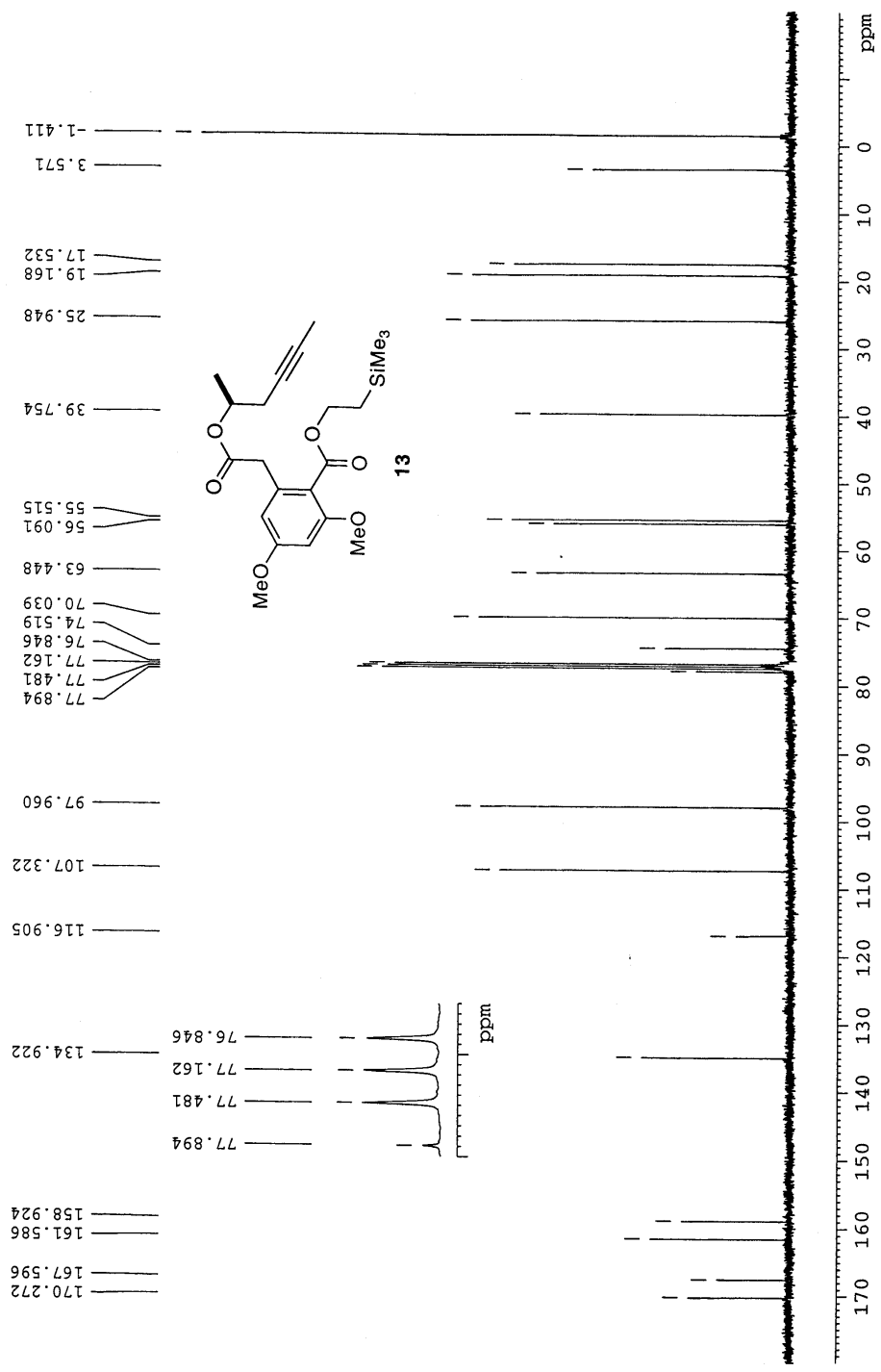
cas-ca-45-02

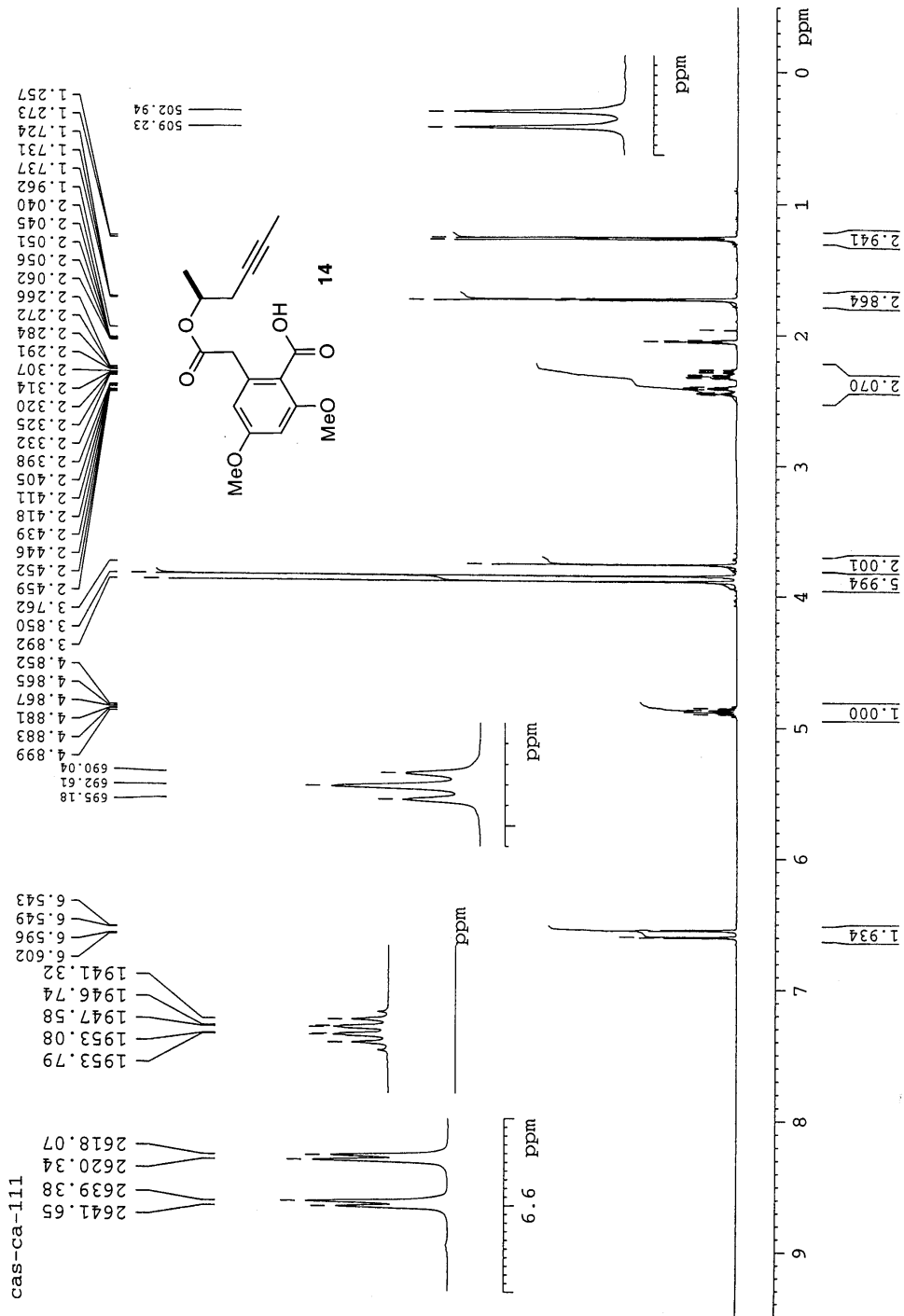


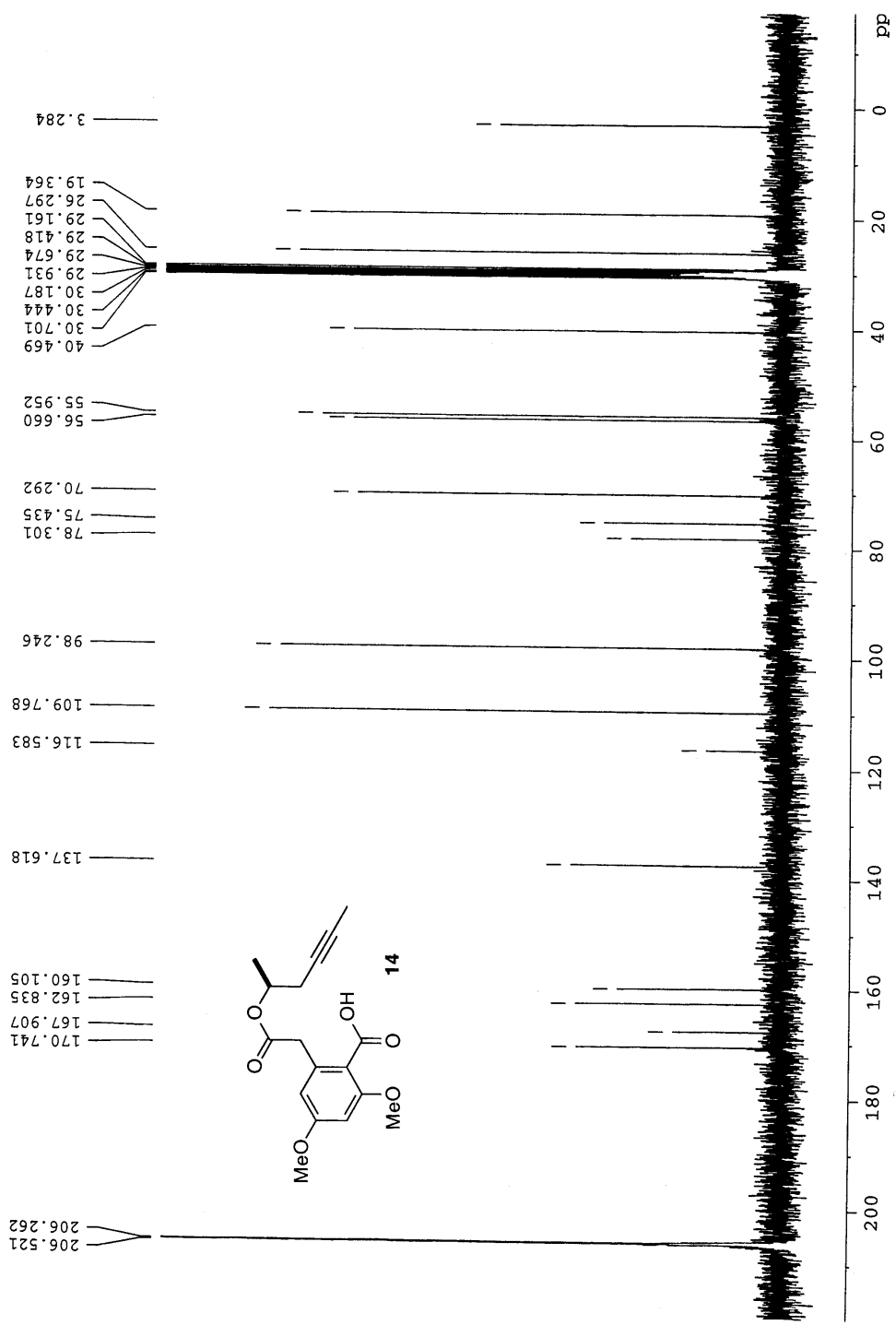










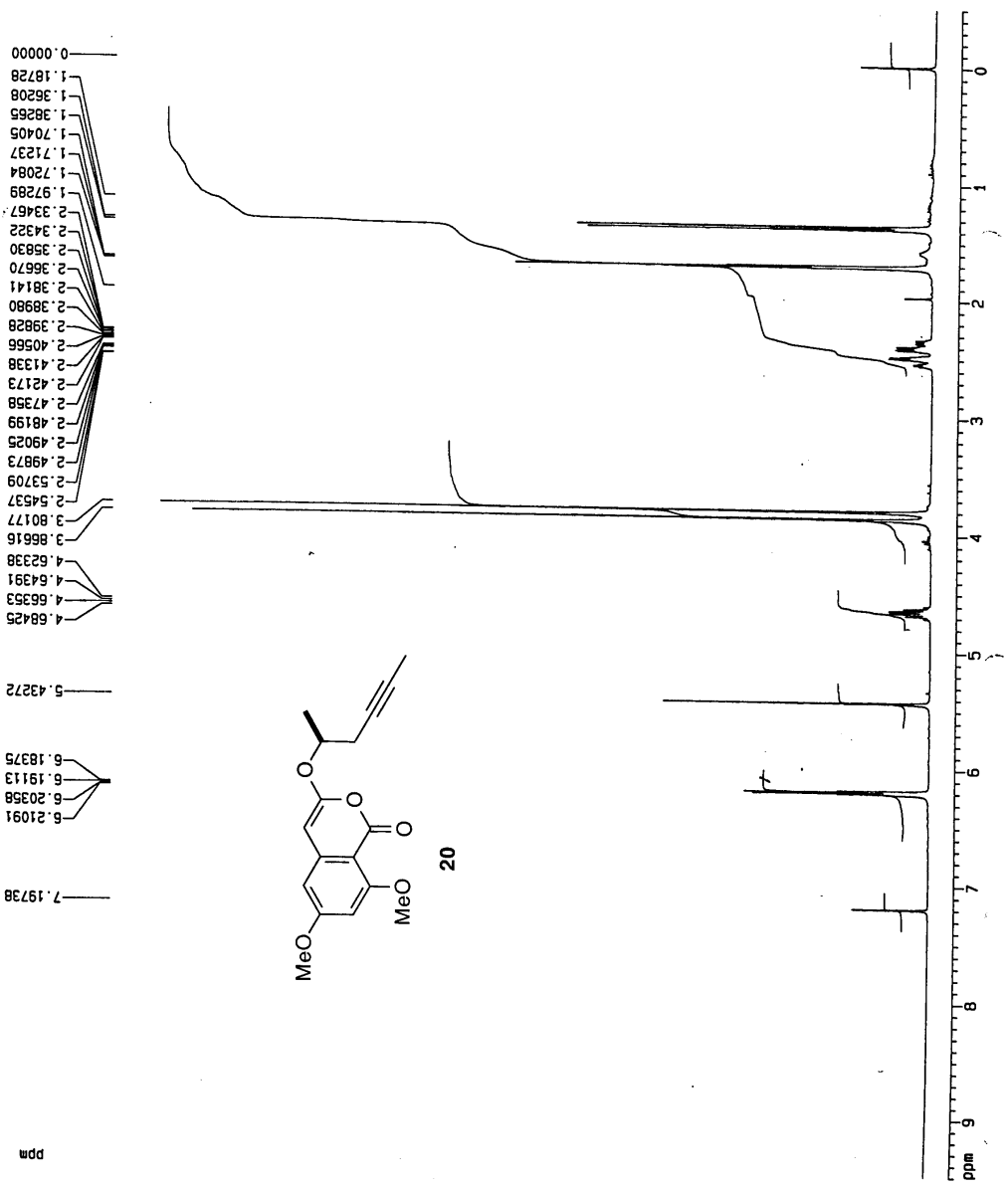


Current Data Parameters
 NAME my10054 **Gk.**
 EXPNO 10
 PROCNO 1

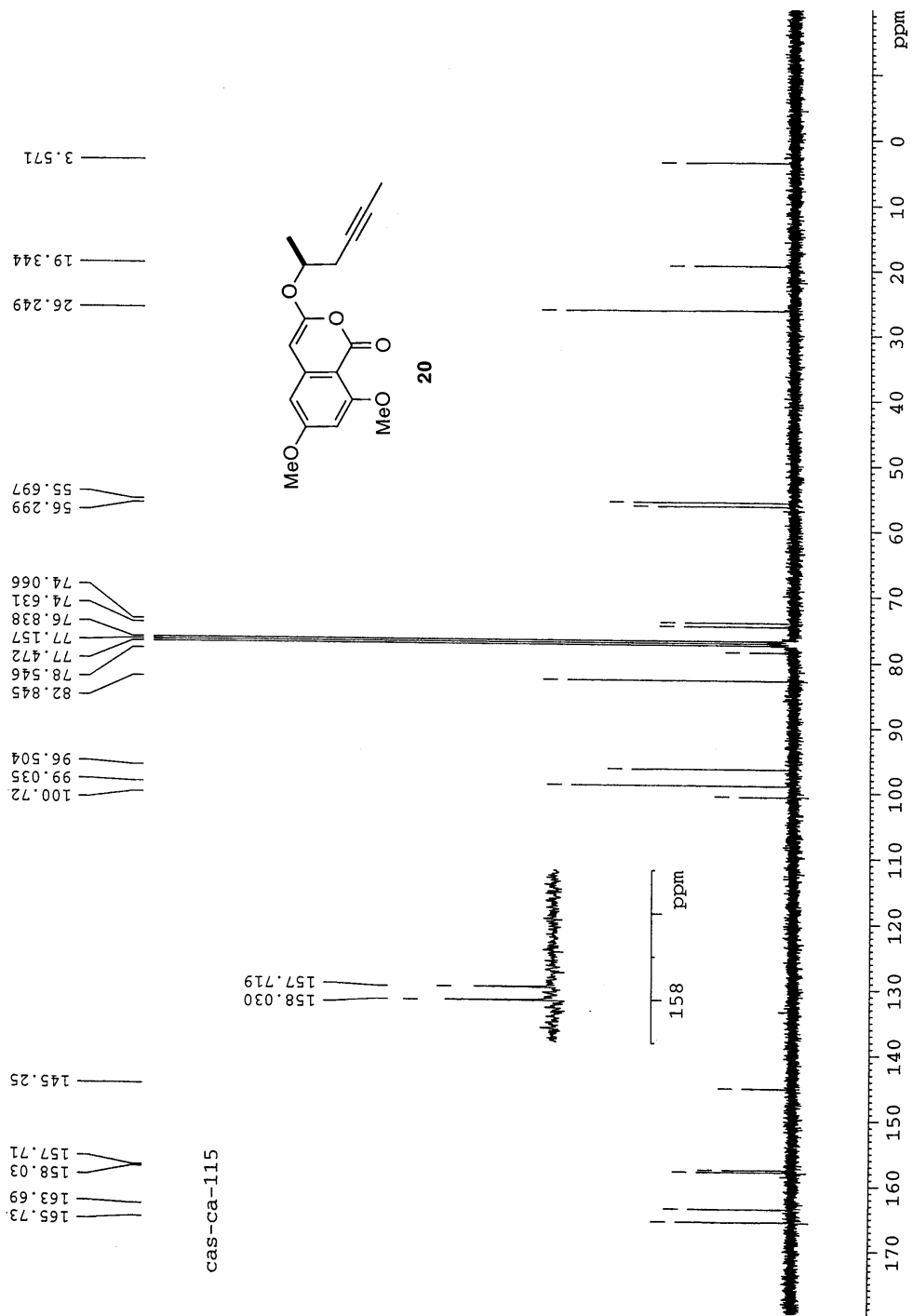
F2 - Acquisition Parameters
 Date_ 20020512
 Time 14.39
 INSTRUM dpz300
 PROBHD 5 mm QNP 1H/
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 32
 DS 0
 SFR 6172.839 Hz
 FIDRES 0.188380 Hz
 AQ 2.6542580 sec
 RG 362
 DW 81.000 usec
 DE 4.50 usec
 TE 300.0 K
 D1 2.0000000 sec

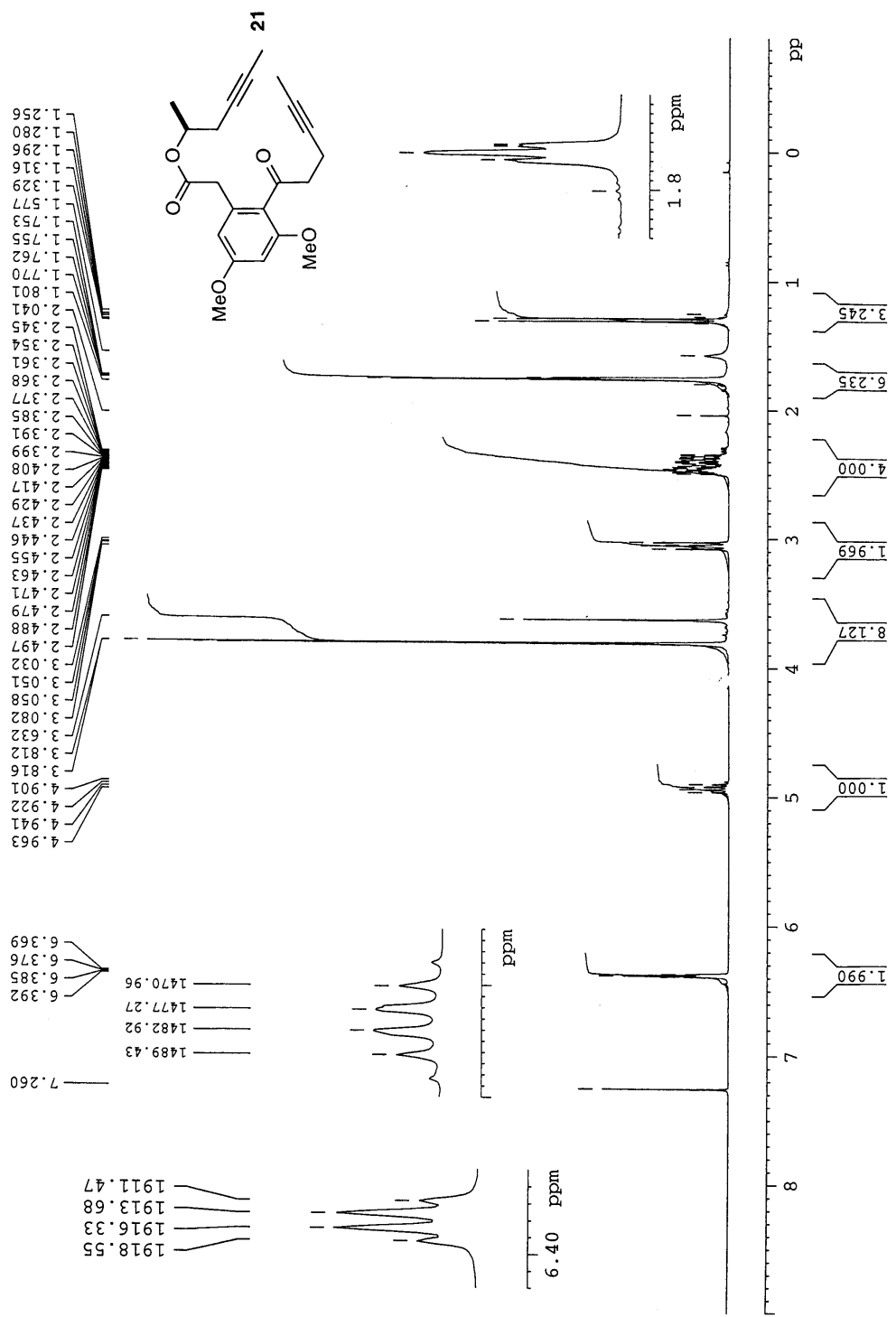
***** CHANNEL f1 *****
 NUC1 1H
 P1 7.30 usec
 PL1 -6.00 dB
 SF01 300.1318534 MHz
 F2 - Processing parameters
 ST 16384
 SF 300.1300247 MHz
 NQM EN
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 2.00

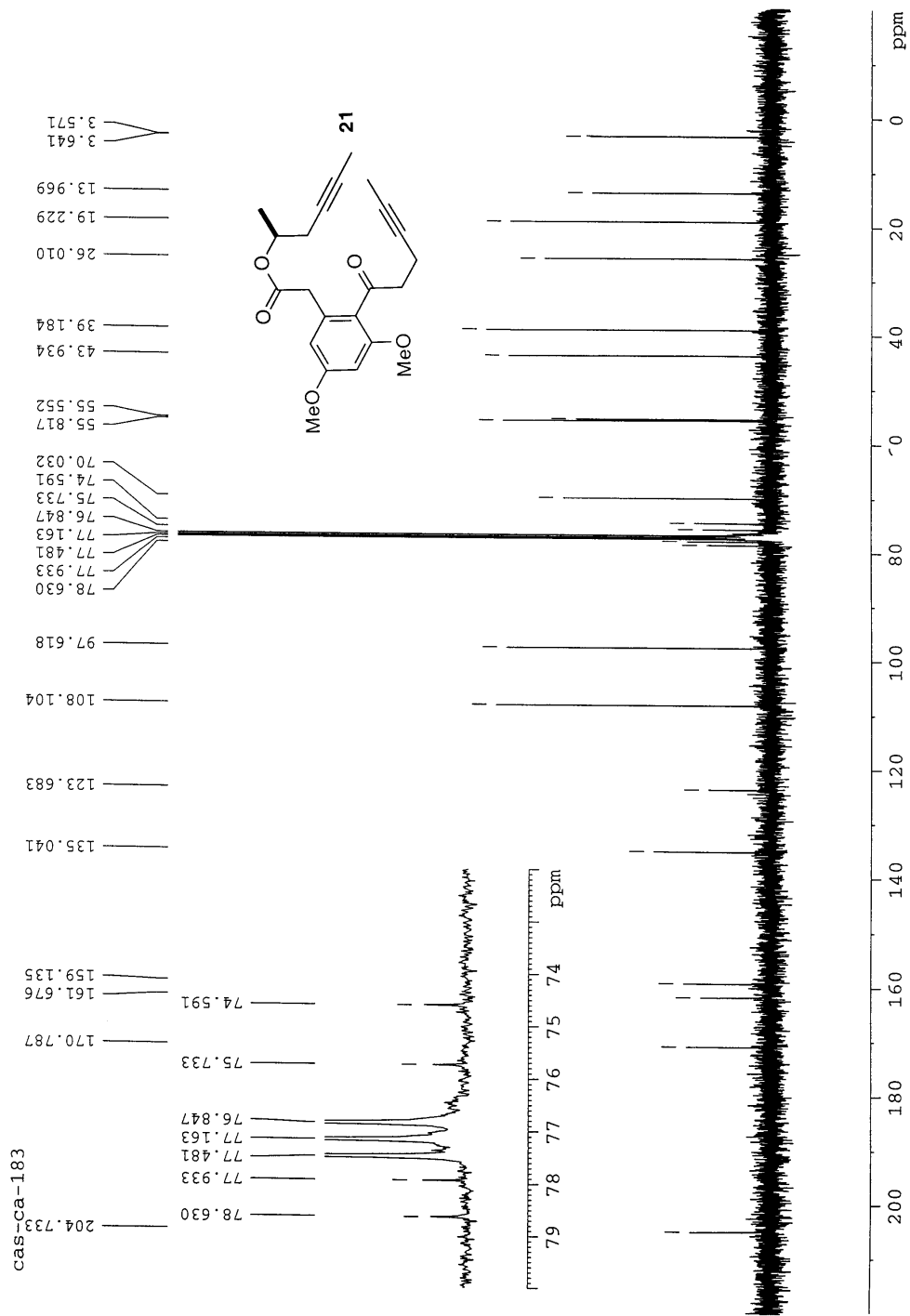
ID NMR plot parameters
 CK 22.00 cm
 CY 15.00 cm
 F1P 9.500 ppm
 F1 2851.24 Hz
 F2P -0.500 ppm
 F2 -150.07 Hz
 PPMCH 0.45455 ppm/cm
 HZCM 136.42274 Hz/cm

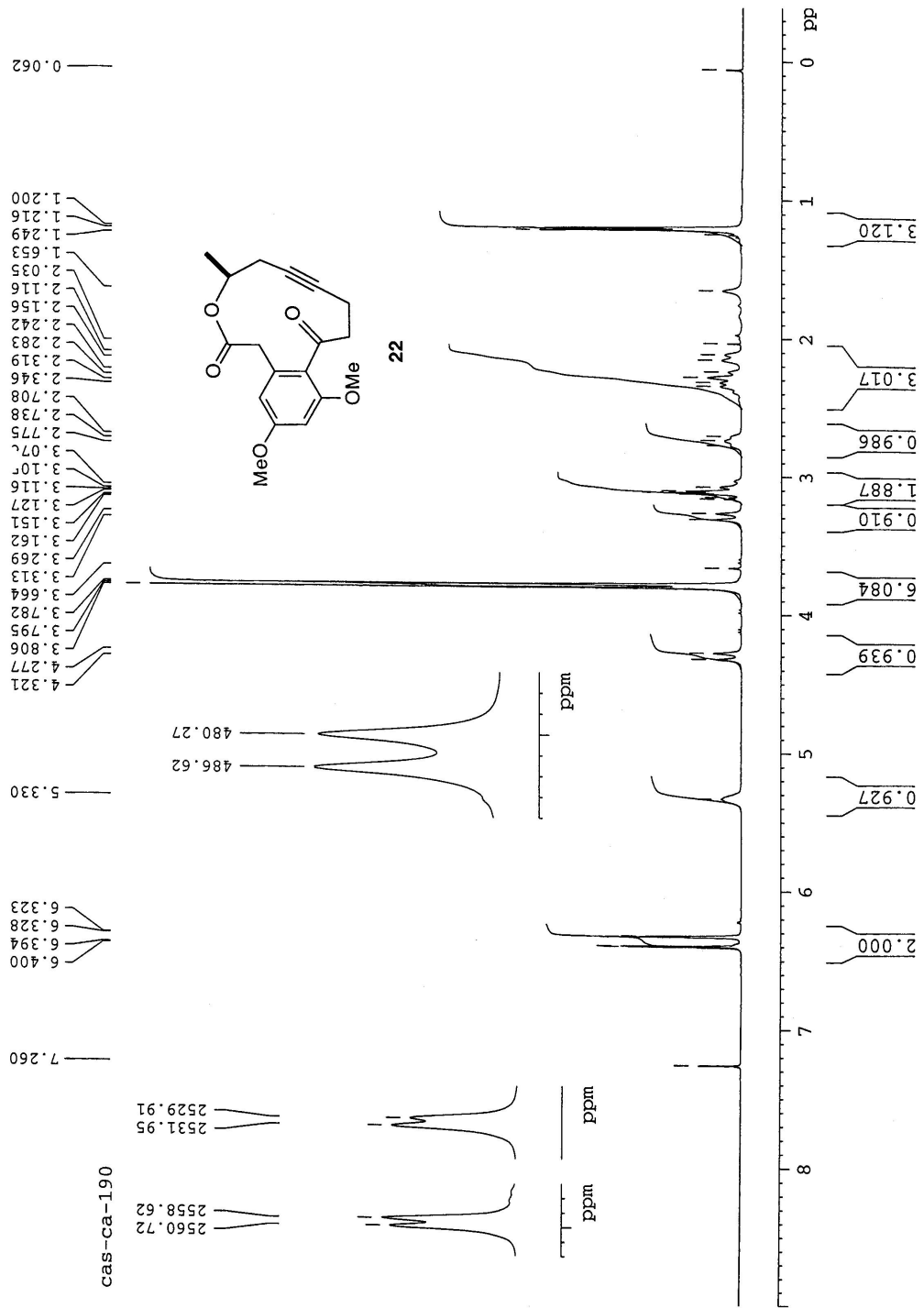


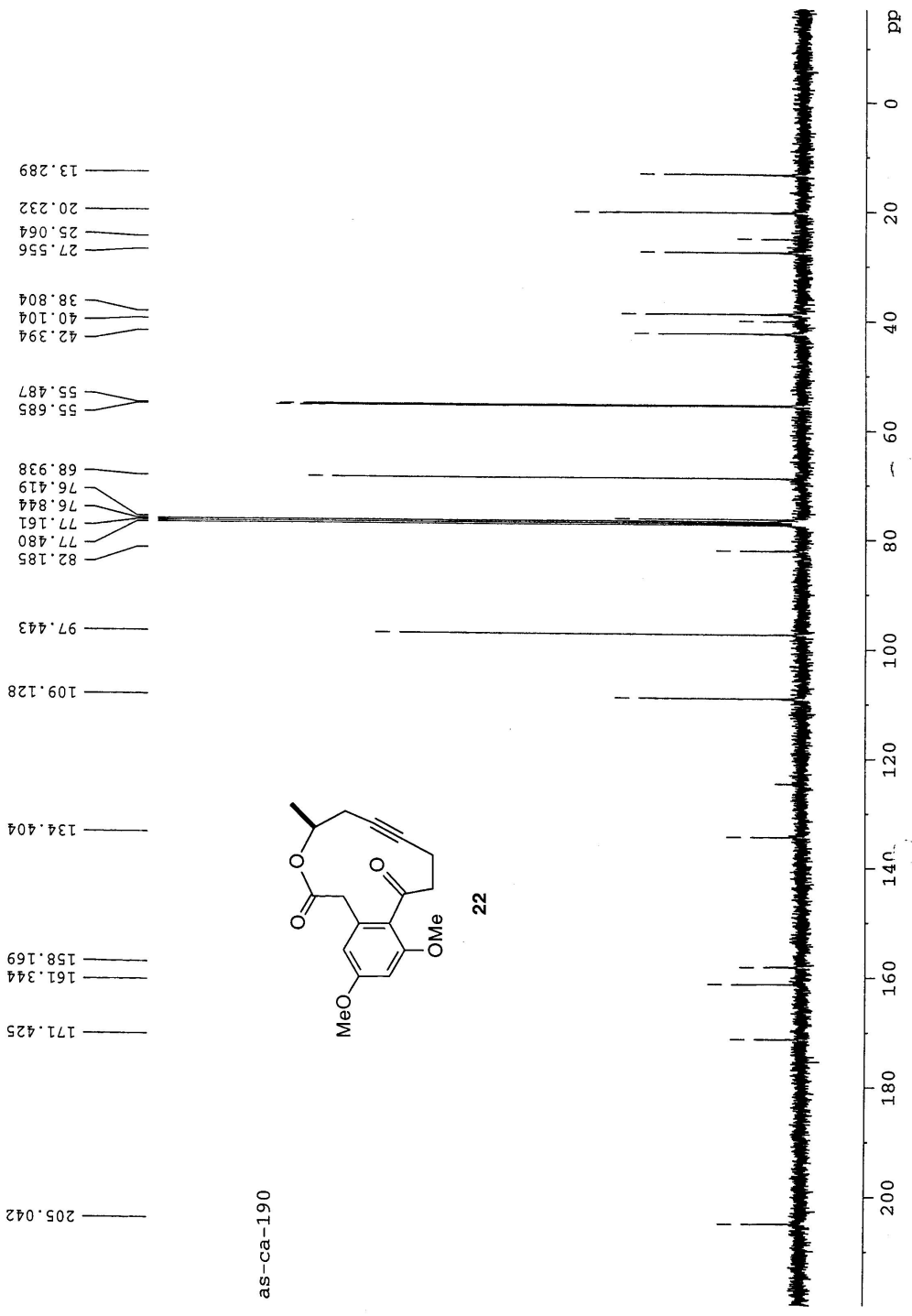
cas-ca-115-f1

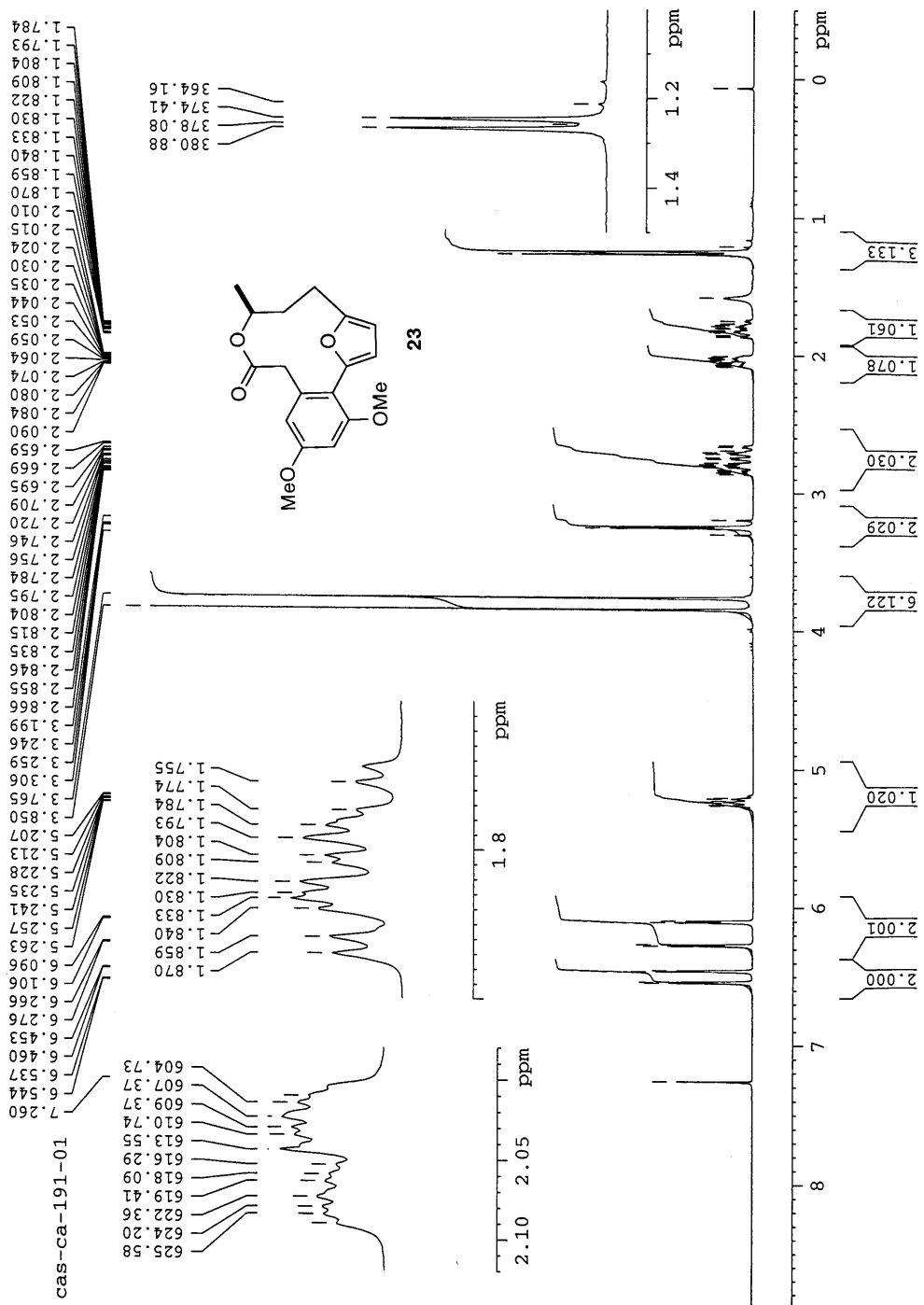


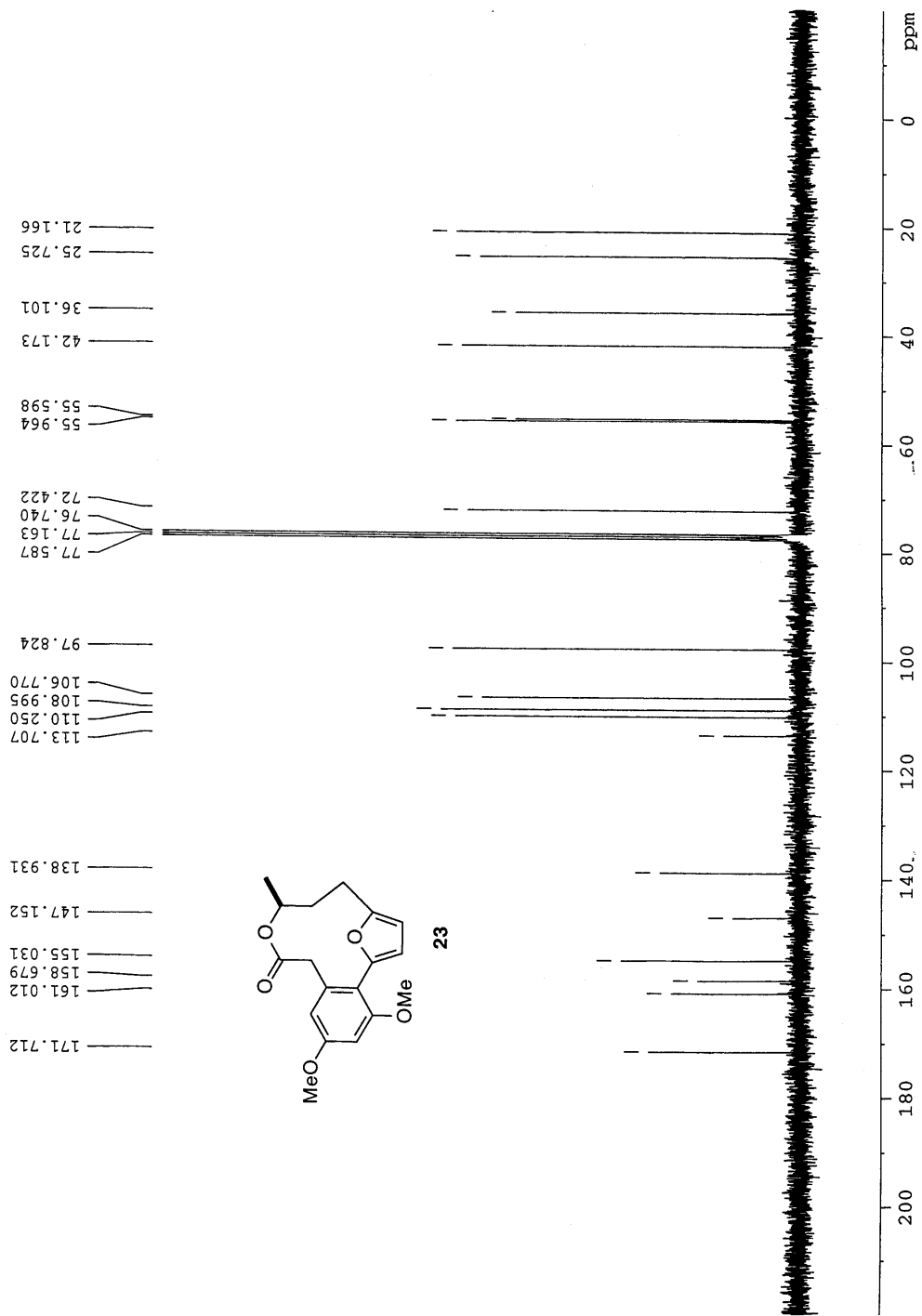












H606402

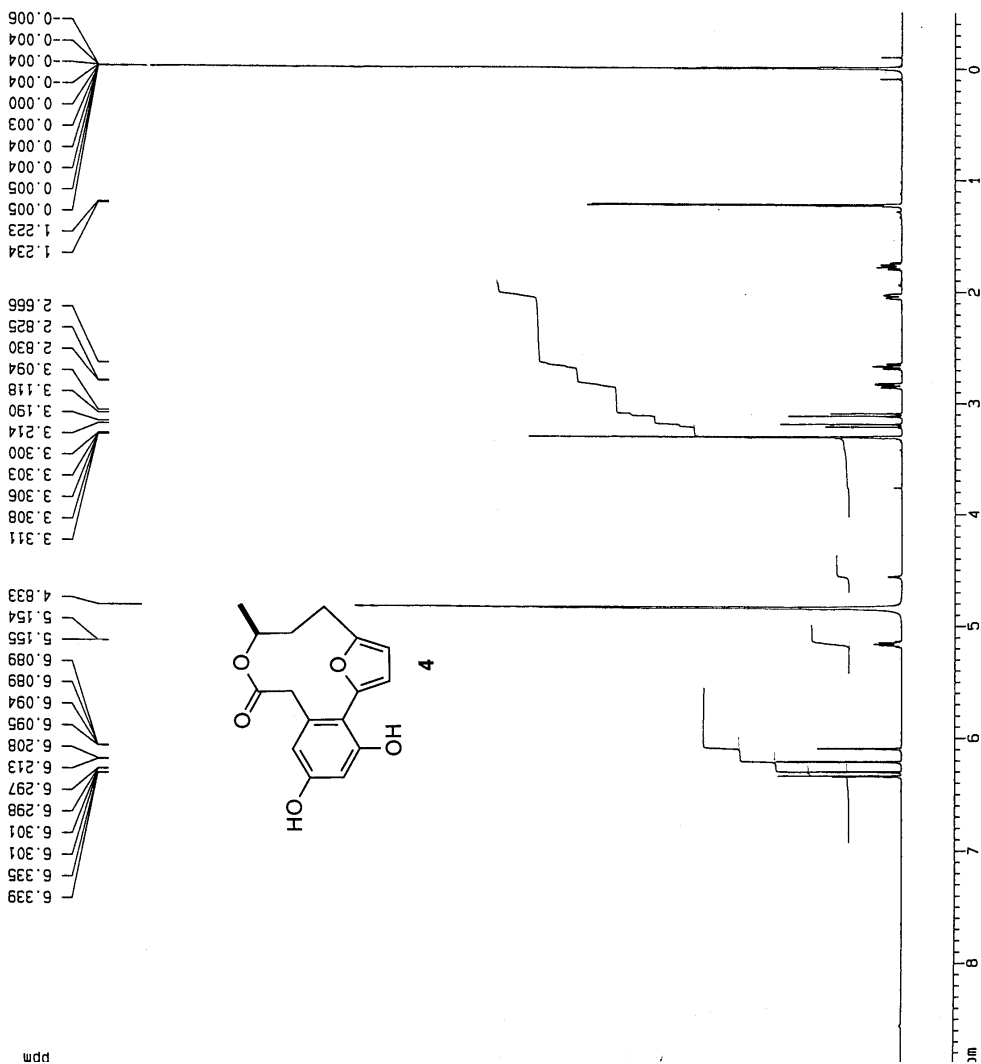
Current Data Parameters
NAME r1108710
EXPNO 10
PROCNO 1
DU Y
USER bars

F2 - Acquisition Parameters
Date_ 20021001
Time 15.54
INSTRUM dm6600
PROBHD 5 mm TXI 13C Z
PULPROG zg30
TD 65536
SOLVENT MeOH
NS 64
DS 2
SWH 8389.26 Hz
FIDRES 0.128010 Hz
AQ 3.9058956 Sec
RG 128
DM 59.600 usec
DE 4.50 usec
TE 303.0 K
D1 1.0000000 sec

***** CHANNEL f1 *****
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SFO1 600.220139 MHz

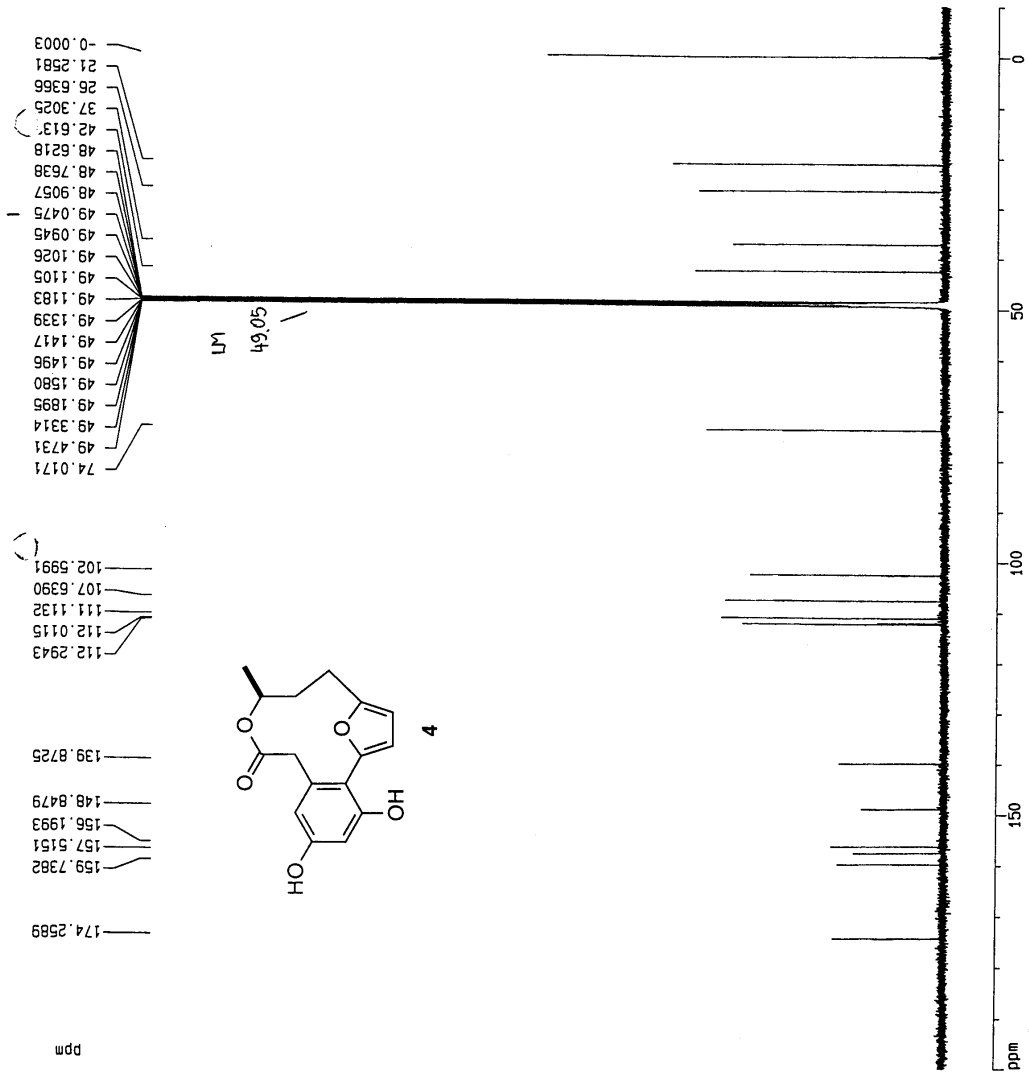
F2 - Processing parameters
SI 65536
SF 600.2200127 MHz
SR 12.72 Hz
WDW no
SSB 0
GB 0.00 Hz
PC 1.00

1D MMR plot parameters
CX 20.00 cm
CY 130.00 cm
FIP 9.000 ppm
F1 5401.98 Hz
F2 -500.00 ppm
FZ 300.11 Hz
GAMMA 0.47950 ppm/cm
HZEN 285.10432 Hz/cm



RKI-RA-087-10
1H 1.MESS 1.10.02
4.5mg d-MeOH/30 C

C606 403



Current Data Parameters
NAME rk108710
EXPNO 11
PROCNO 1
DU 1
USER v
date_ 20021001
Time 16:05
INSTRUM dm6500
PROBHD 5 mm TXI 13C Z
PULPROG zgpg30
TD 65536
SOLVENT MeOH
NS 67500
DS 320
SWH 37894.402 Hz
FIDRES 0.573645 Hz
AQ 0.8716891 sec
RG 10384
DE 13.364 usec
TE 303.0 K
D1 0.03000000 sec
D11 0.03000000 sec

***** CHANNEL f1 *****
NUC1 13C
P1 16.90 usec
PL1 0.00 dB
SF01 150.9419346 MHz

***** CHANNEL f2 *****
COPROG2 waltz16
NUC2 1H
PCPD02 70.00 usec
PL2 3.00 dB
PL12 18.20 dB
SF02 600.2223000 MHz

F2 - Processing parameters
SI 65536
SF 150.9252191 MHz
SR -159.89 Hz
AQ 0
GB 0.80 Hz
PC 0.40

1D NMR plot parameters
CX 20.00 cm
CY 250.00 cm
FIP 200.000 ppm
F1 30185.04 Hz
F2 -10.000 ppm
F2 -1509.25 Hz
PPMCH 10.50000 ppm/cm
HZCH 1564.71472 Hz/cm

13C {1H} 4.5mg d-MeOH/30°C
RKI-RA-087-10

