

Supplementary Data

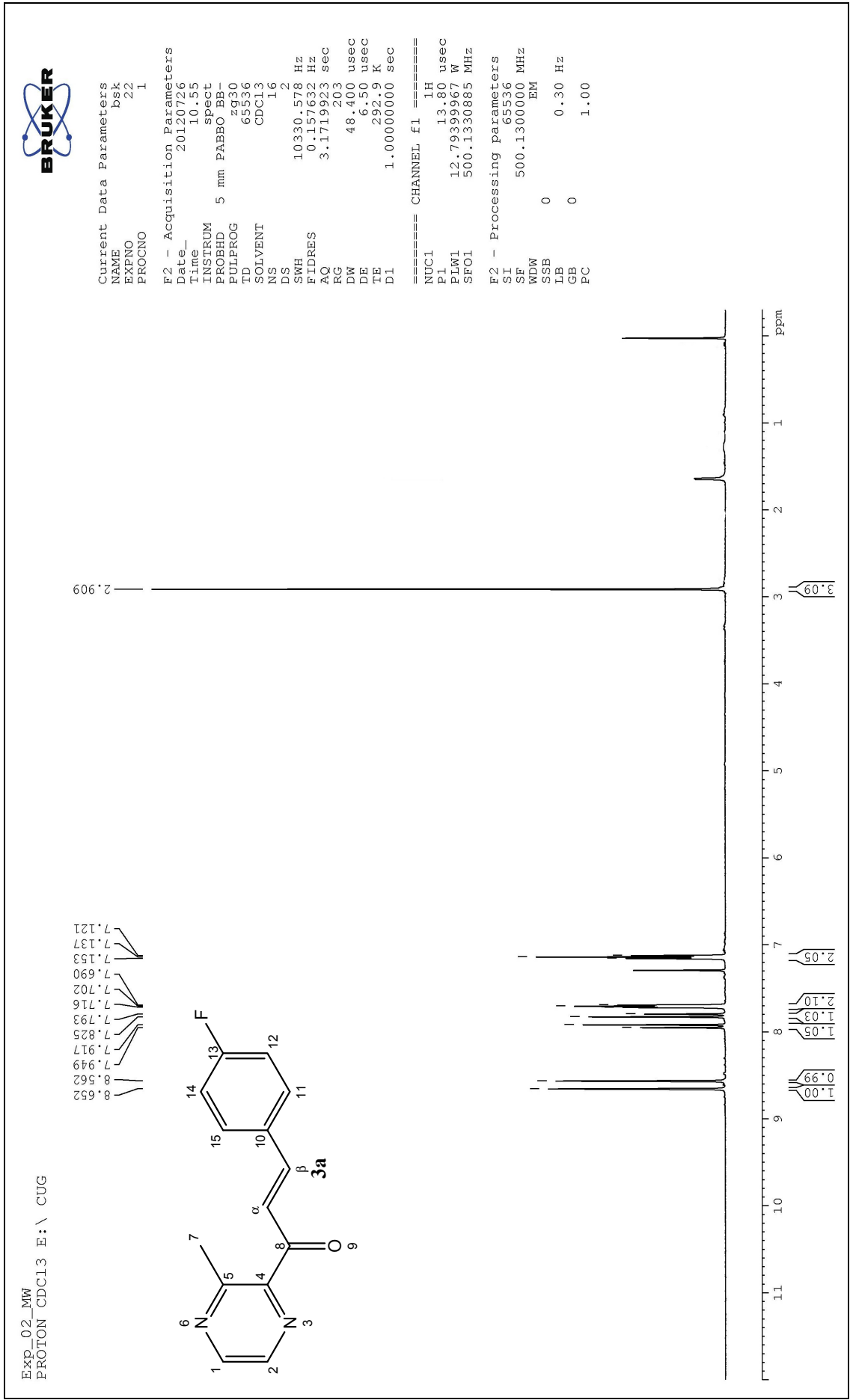
Solvent Free Synthesis, Characterization, Anticancer, Antibacterial, Antifungal, Antioxidant and SAR Studies of Novel (*E*)-3-aryl-1-(3-alkyl-2-pyrazinyl)-2-propenone

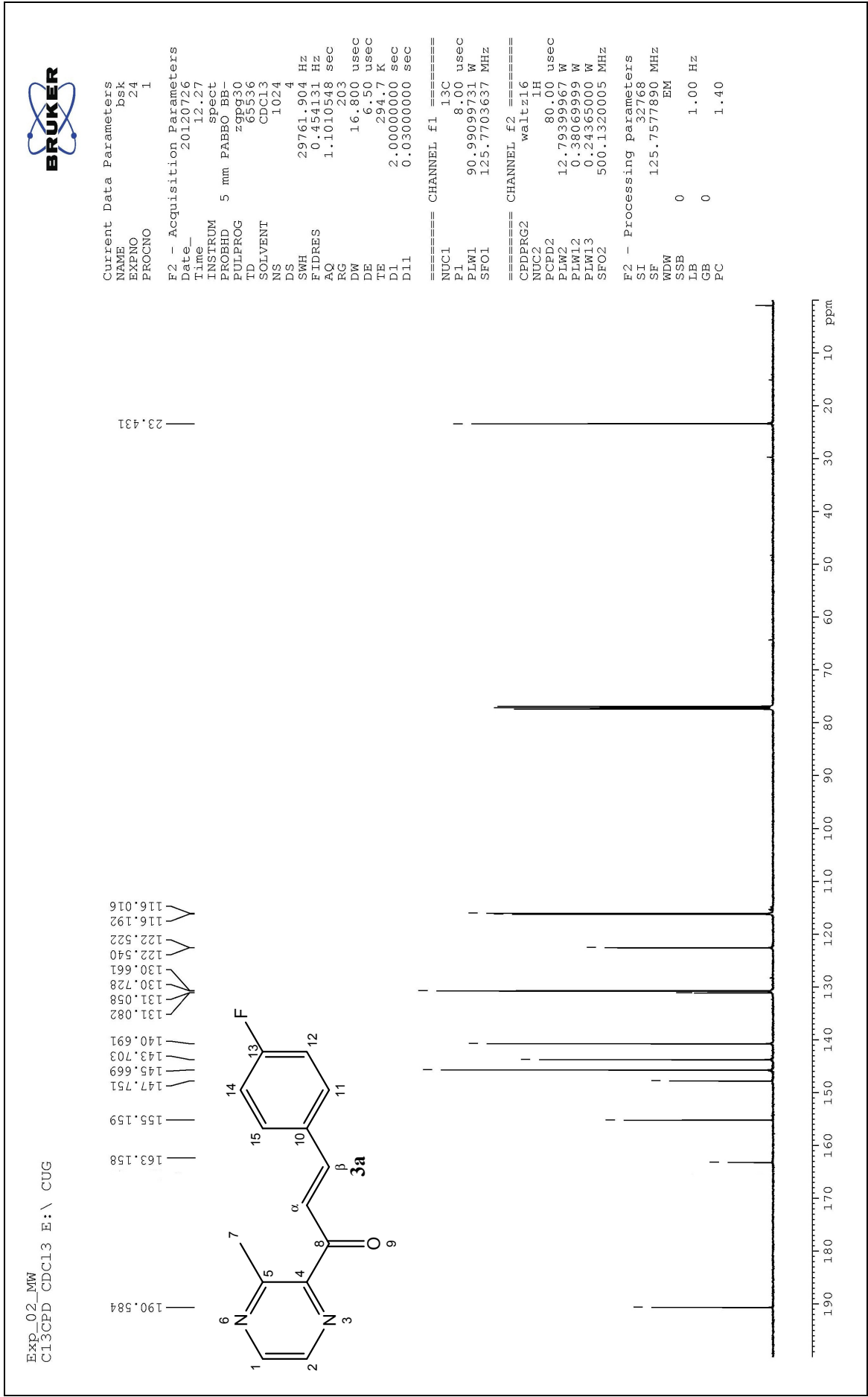
Bheru Singh Kitawat^a, Man Singh^{a,*} and Raosaheb Kathalupant Kale^{a,b}

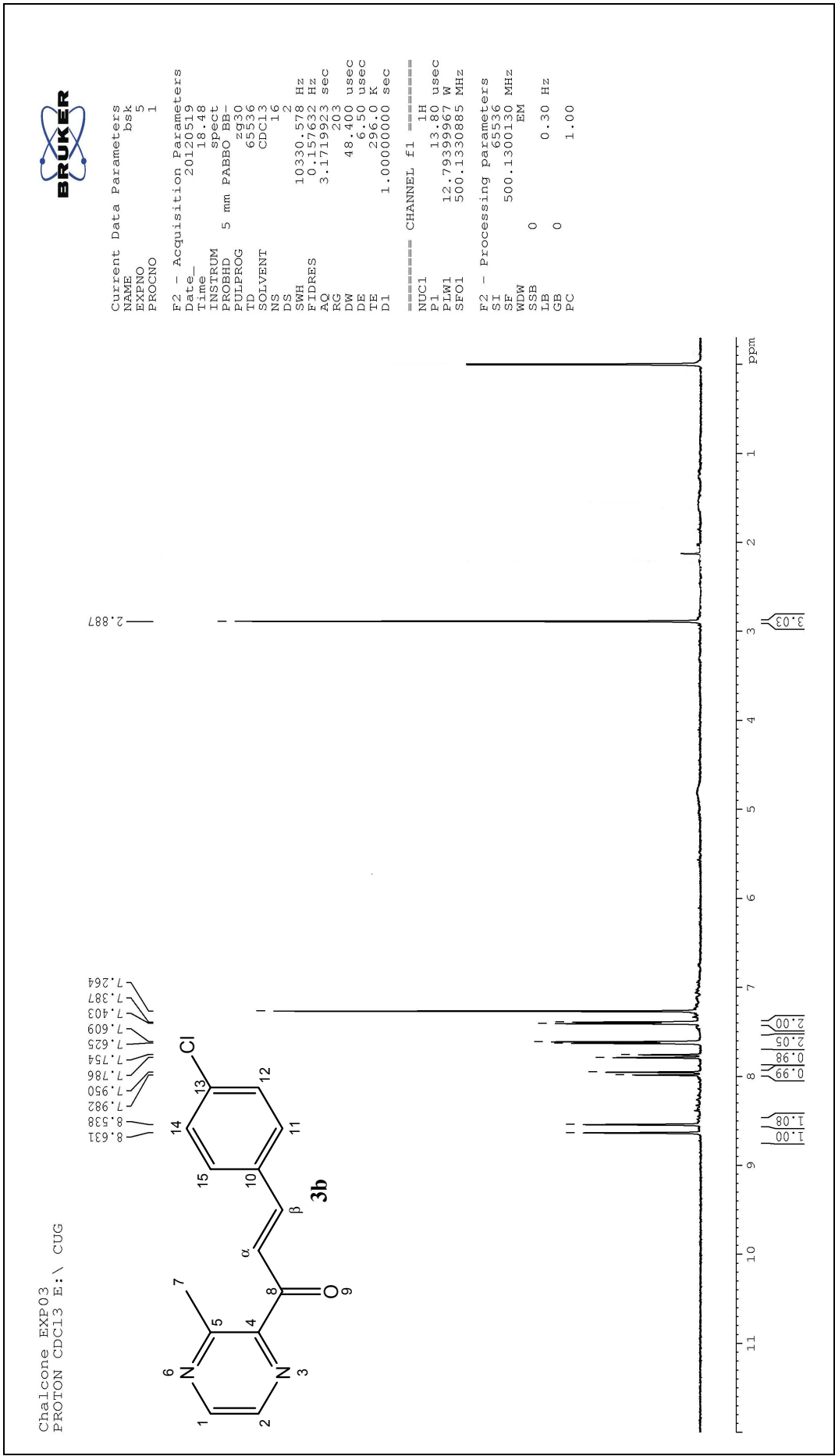
^aSchool of Chemical Sciences, Central University of Gujarat, Gandhinagar-382030, India.

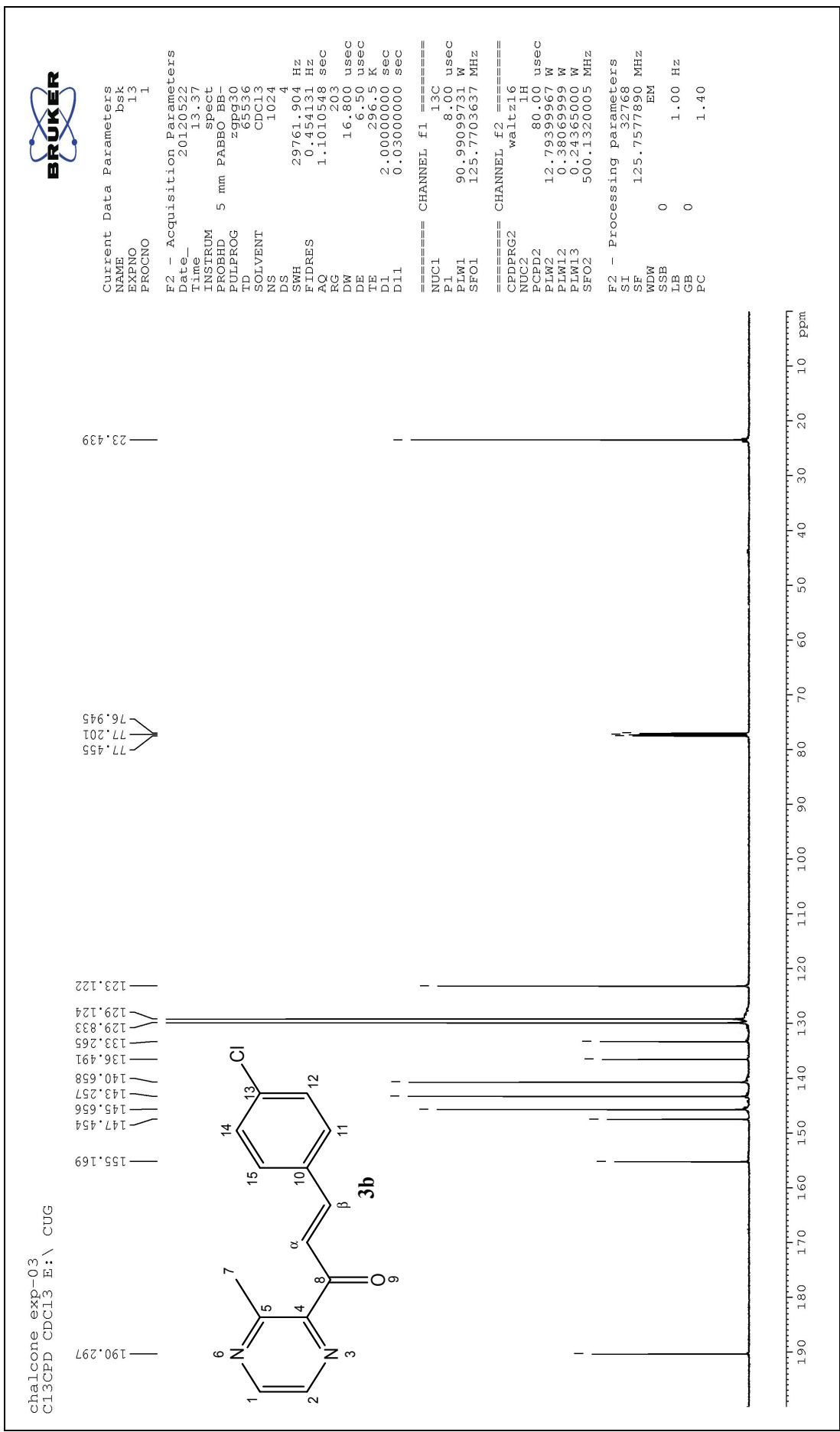
^bSchool of Life Sciences, Jawaharlal Nehru University, New Delhi-110067, India.

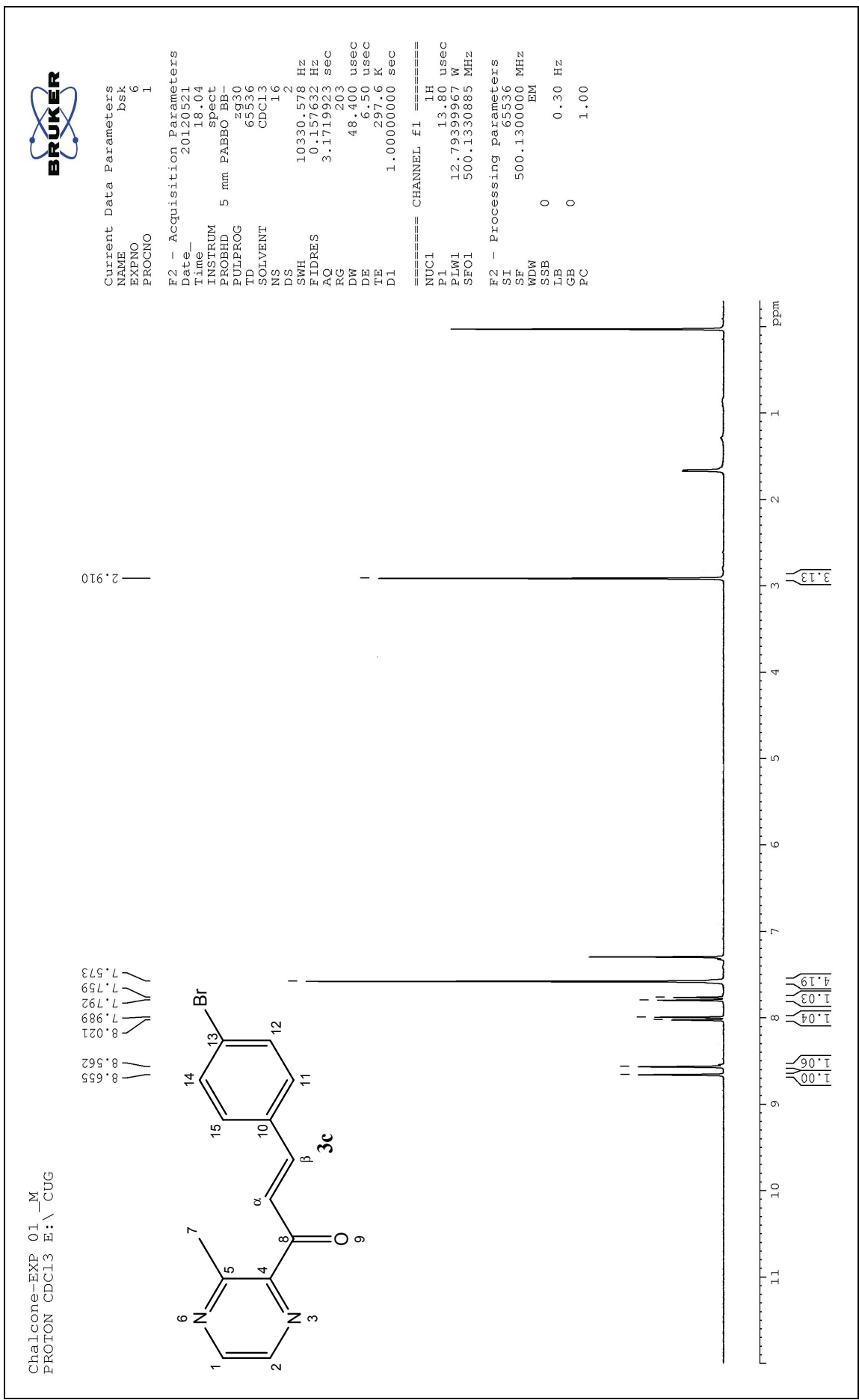
1. ¹H NMR and ¹³C NMR copies of compounds 3a-3l.

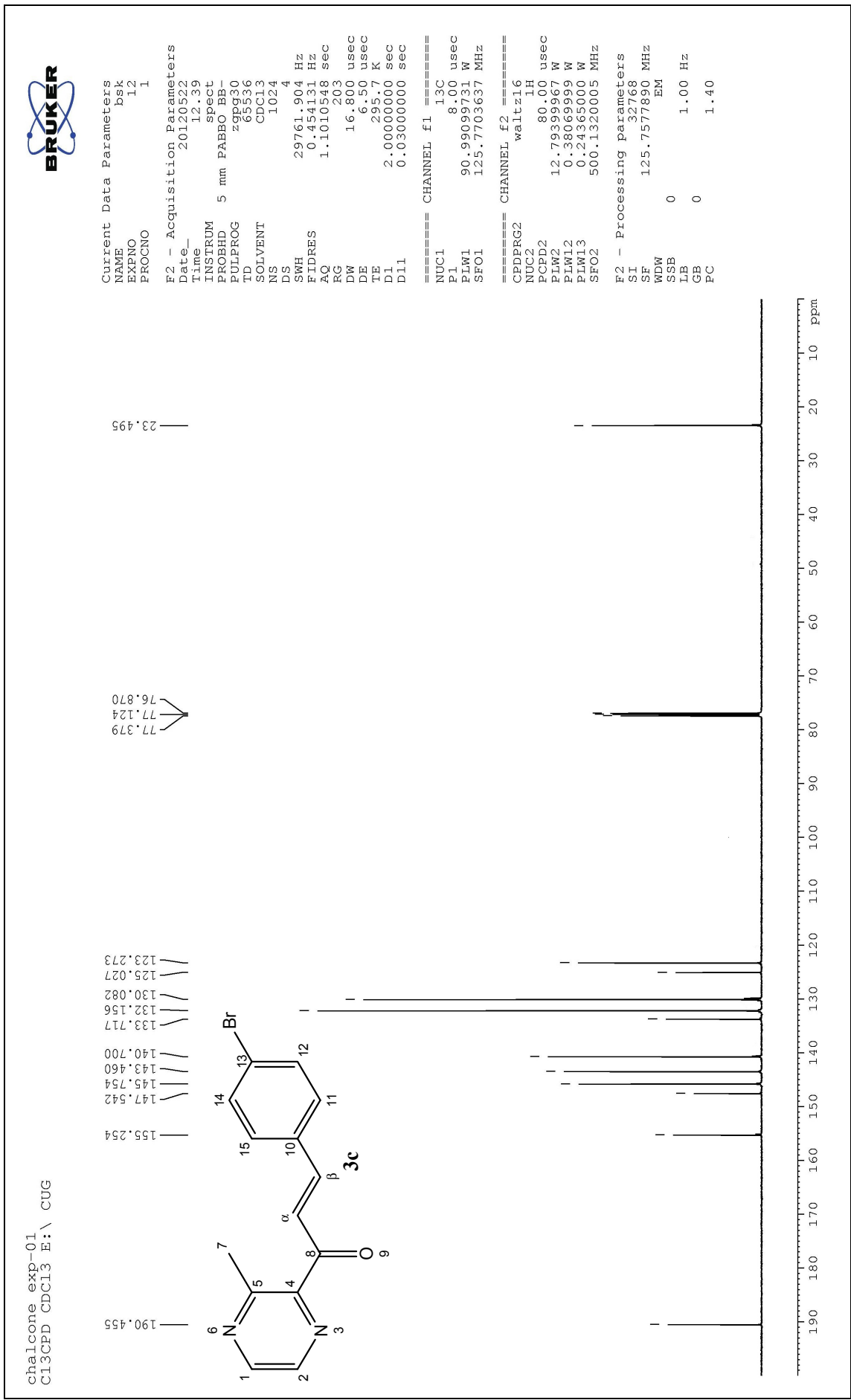


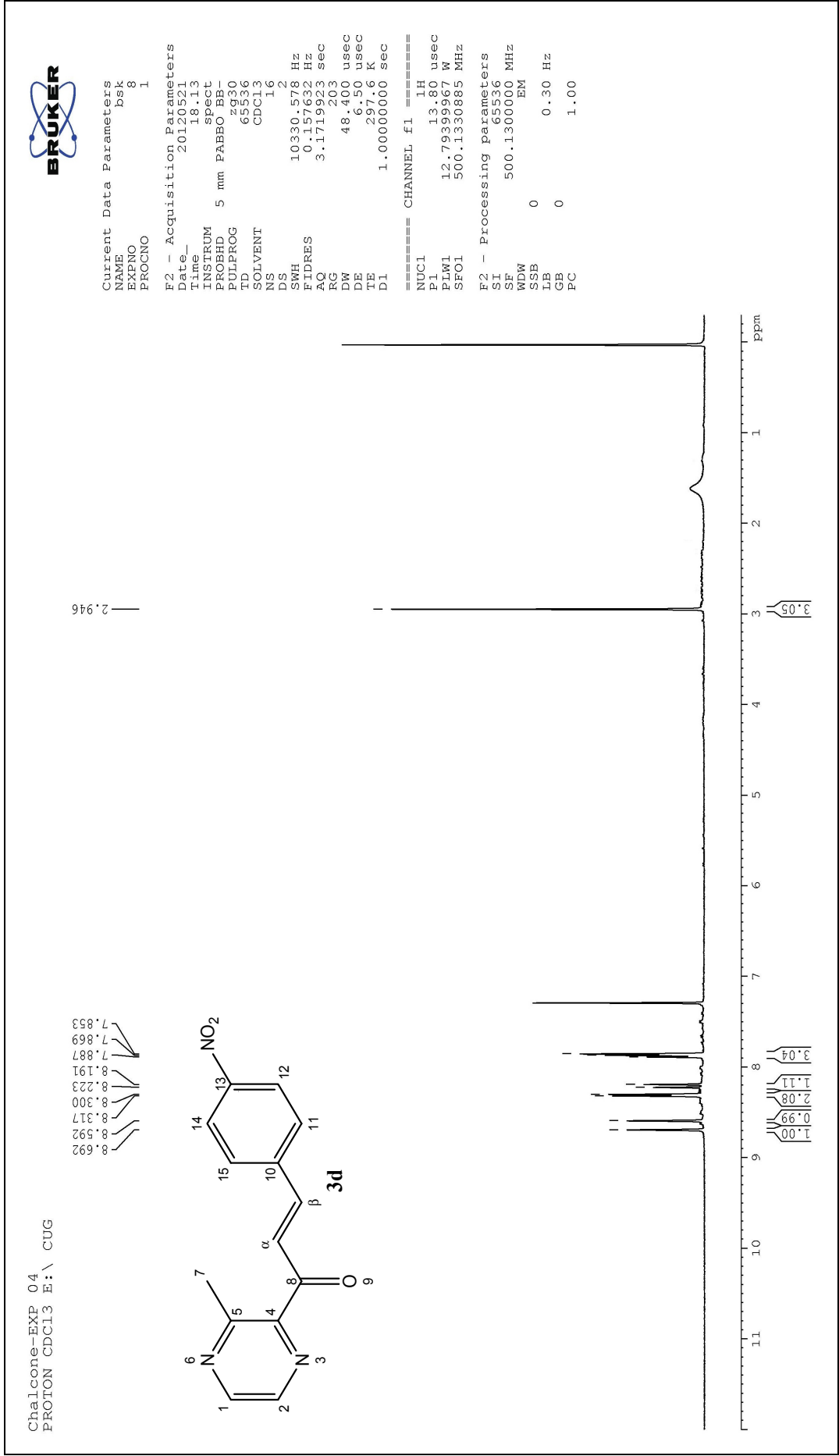


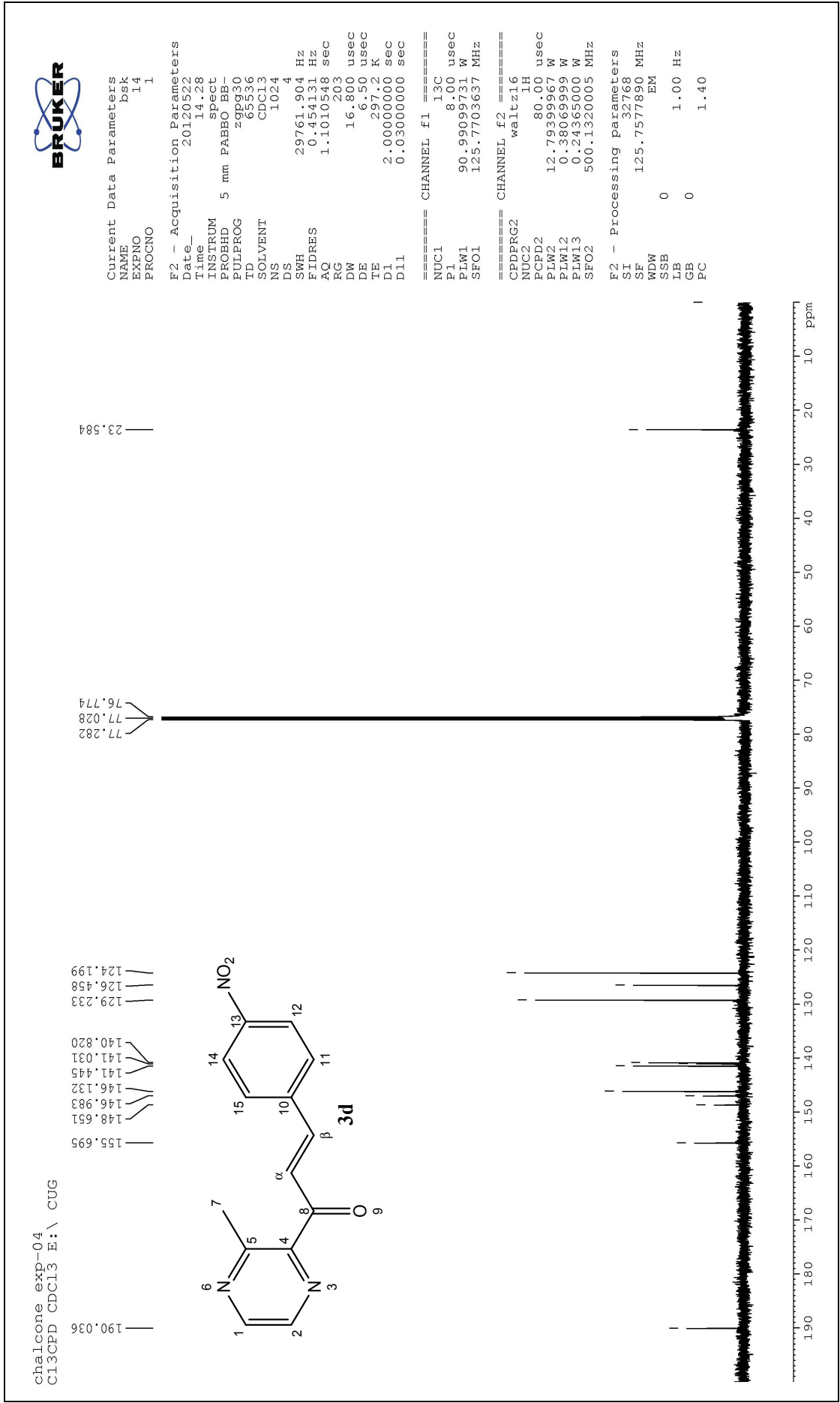












Chalcone-EXP 05
PROTON CDCl3 E: \ CUG

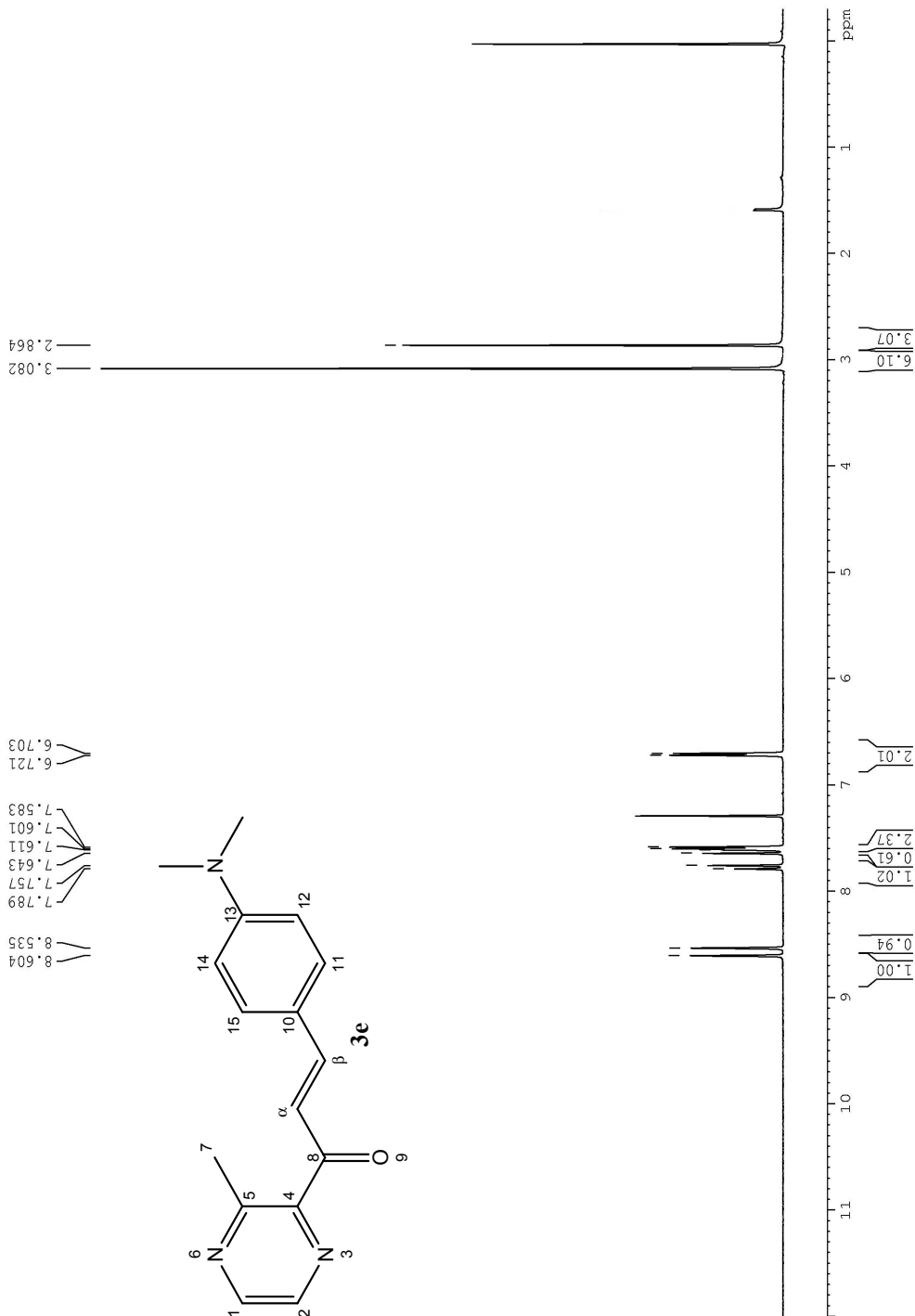


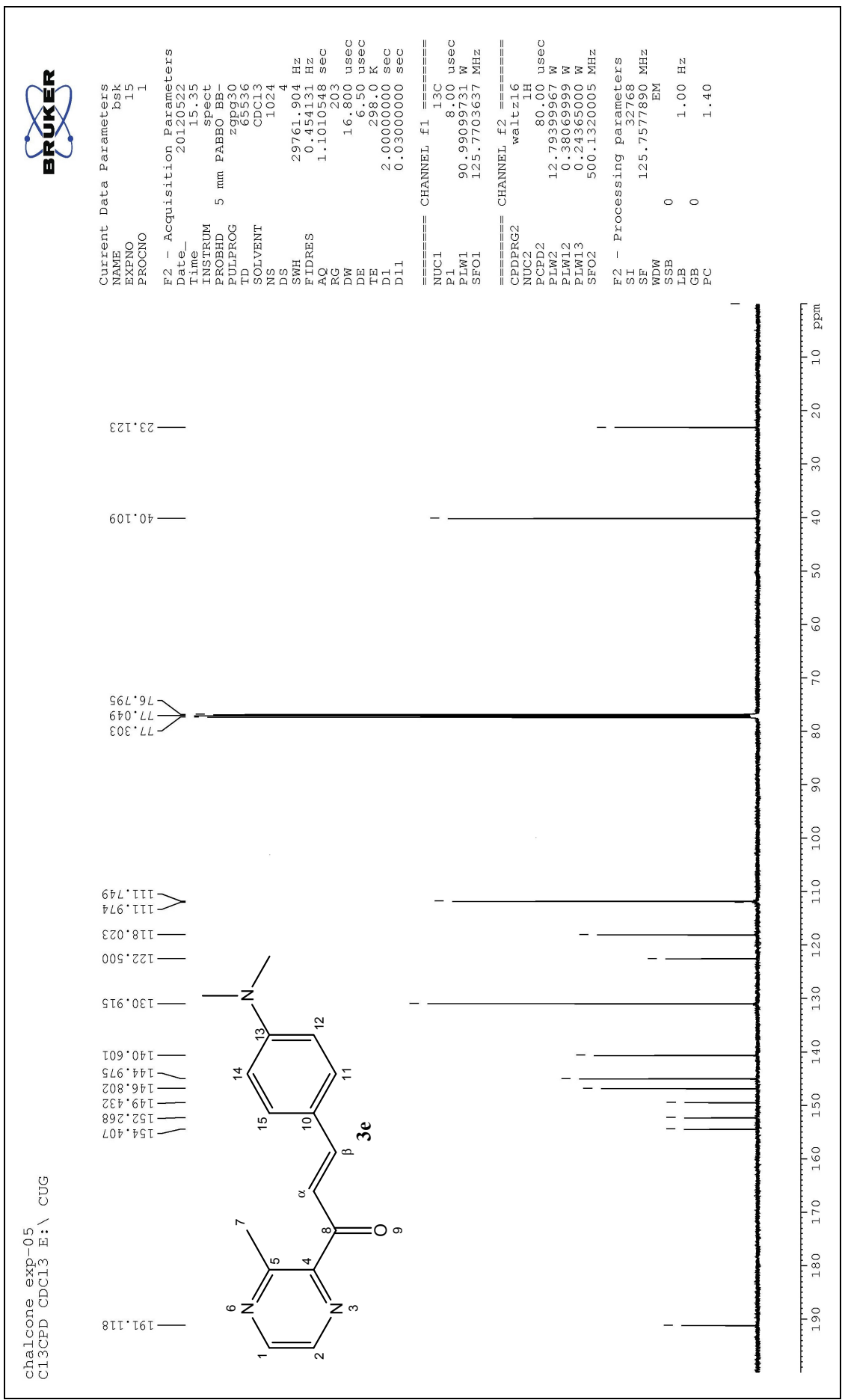
Current Data Parameters
NAME bsk
EXPNO 9
PROCNO 1

F2 - Acquisition Parameters
Date_ 20120521
Time 18.19
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 203
DW 48.400 usec
DE 6.50 usec
TE 297.6 K
D1 1.0000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 13.80 usec
PLW1 12.79399967 W
SFO1 500.1330885 MHz

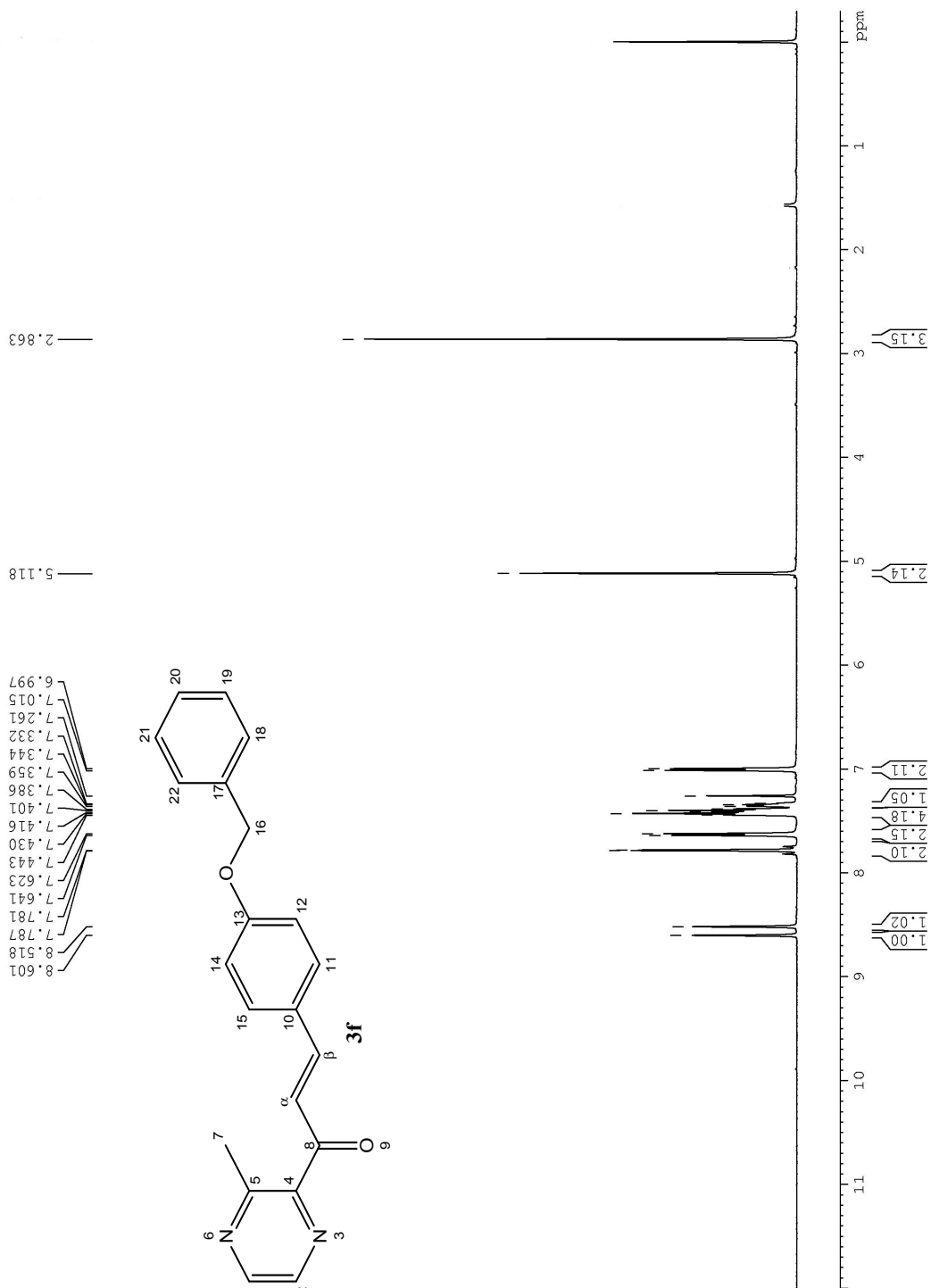
F2 - Processing parameters
SI 65536
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

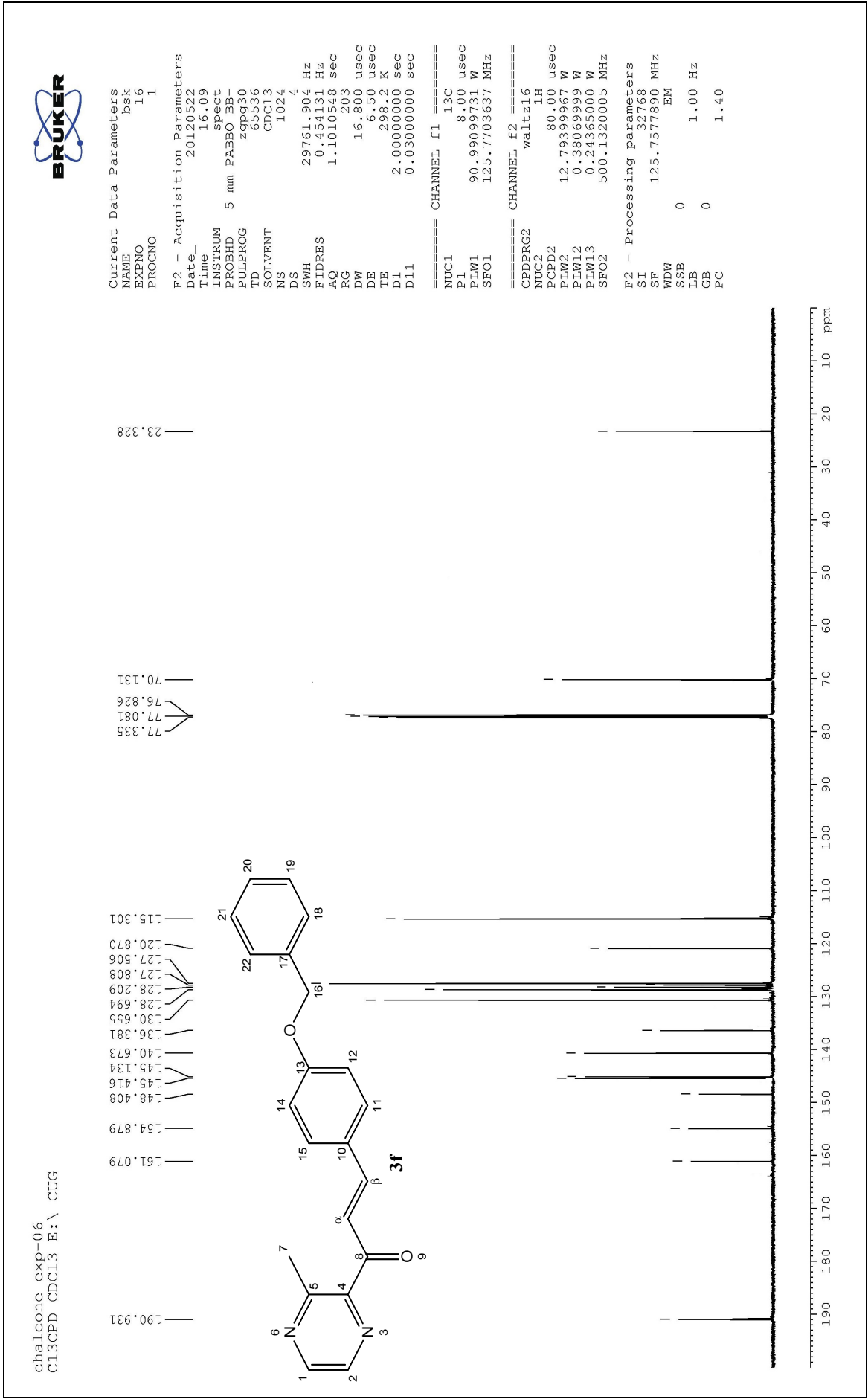






Current Data Parameters	
NAME	bsk
EXPNO	17
PROCNO	1
F2 - Acquisition Parameters	
Date_	20120603
Time	17.04
INSTRUM	spect
PROBHD	5 mm PABBO-BB-
PULPROG	zg30
ID	65536
SOLVENT	CDCl3
NS	16
DS	2
SWH	10330.578 Hz
FIDRES	0.157632 Hz
AQ	3.1719923 sec
RG	203
DDW	48.400 usec
DE	6.50 usec
TE	296.7 K
TD1	1.00000000 sec
===== CHANNEL f1 =====	
NUC1	1H
P1	13.80 usec
PLW1	12.79399967 W
SFO1	500.1330885 MHz
F2 - Processing Parameters	
SI	65536
SF	500.1300148 MHz
WDW	EM
SSB	
LB	
GB	0 0.30 Hz
PC	1.00



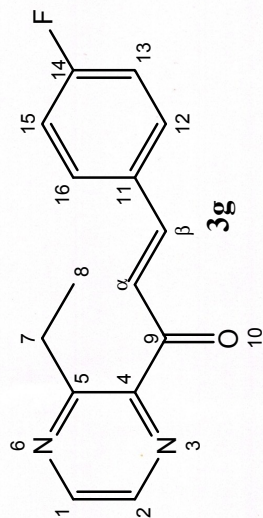


MAOS-01
PROTON CDCl3 E:\ CUG

8.688
8.683
8.550
8.545
8.556
7.824
7.793
7.760
7.704
7.700
7.693
7.687
7.680
7.676
7.151
7.134
7.117
7.111

3.241
3.226
3.211
3.196

1.392
1.377
1.362

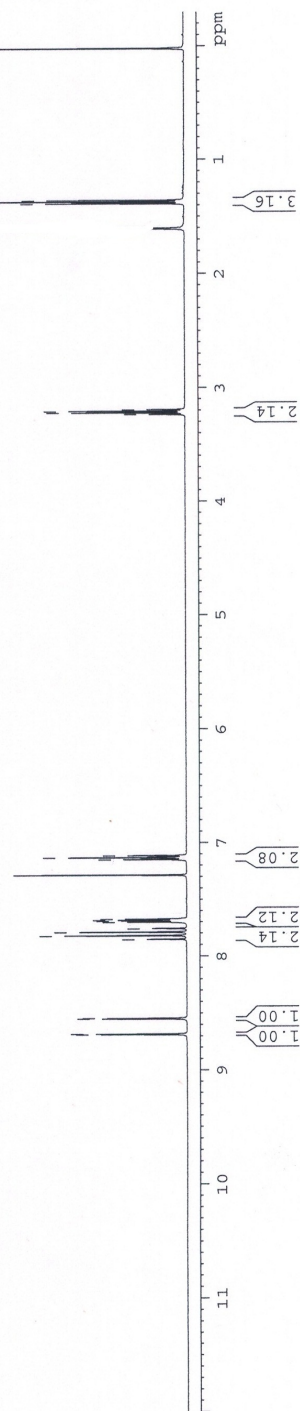


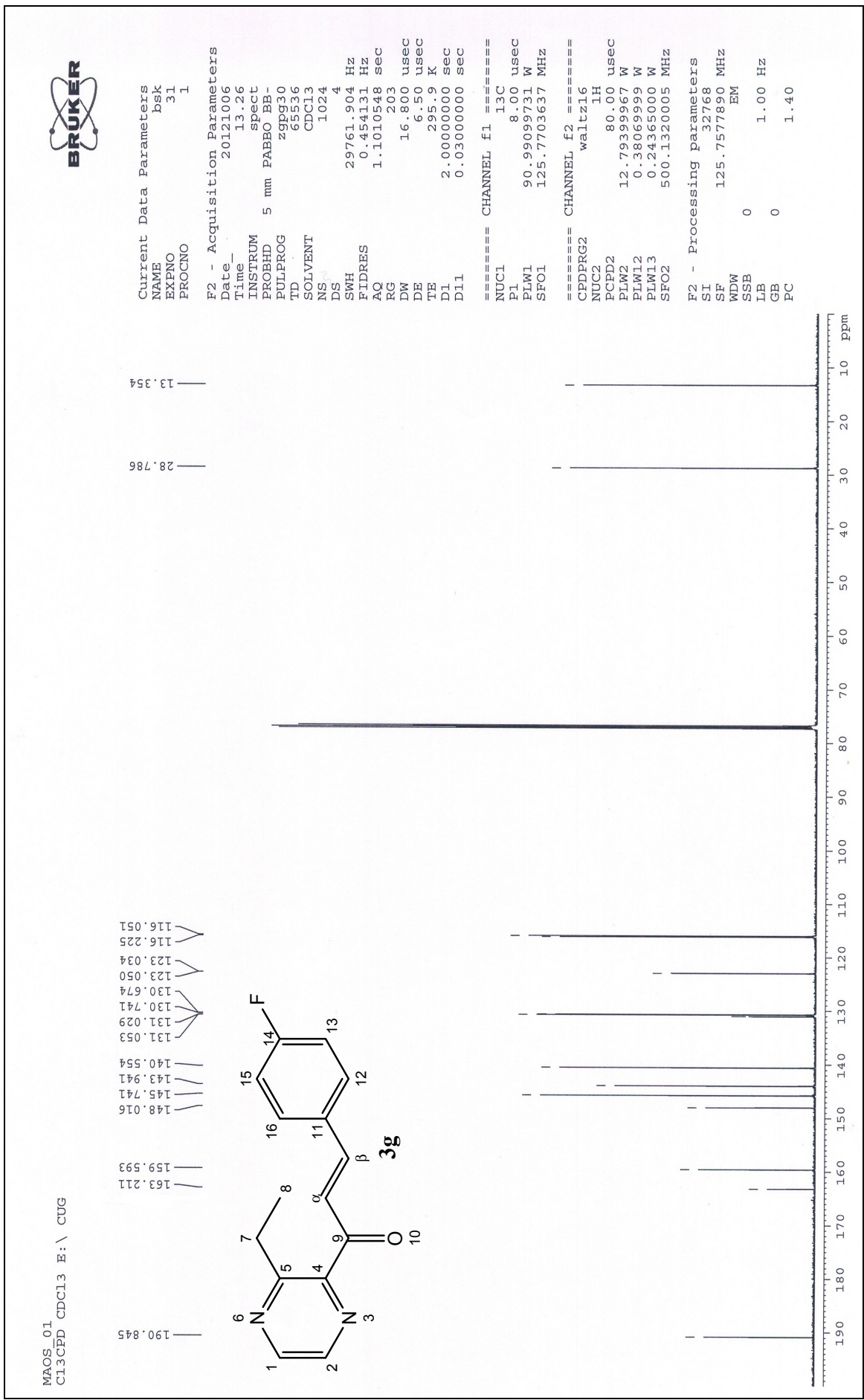
Current Data Parameters
NAME bsk
EXPNO 25
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121005
Time 21.44
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.171923 sec
RG 203
DW 48.400 usec
DE 6.50 usec
TE 293.8 K
D1 1.0000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 13.80 usec
PLW1 12.7939967 W
SFO1 500.1330885 MHz

F2 - Processing parameters
SI 65536
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

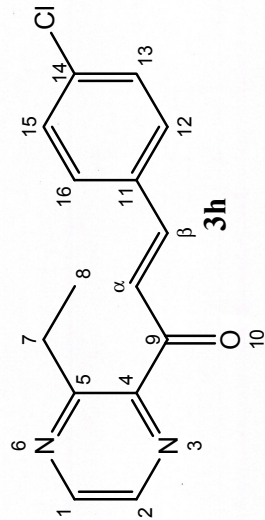




MAOS-02
PROTON CDCl3 E:\ CUG



8.691
8.687
8.548
8.552
7.916
7.884
7.781
7.749
7.637
7.620
7.425
7.408



3.245
3.230
3.215
3.200

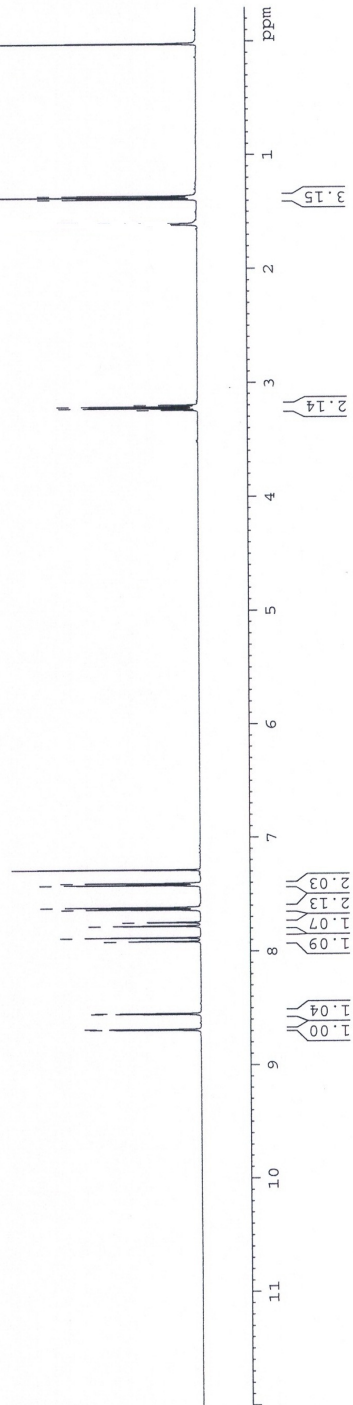
1.391
1.376
1.361

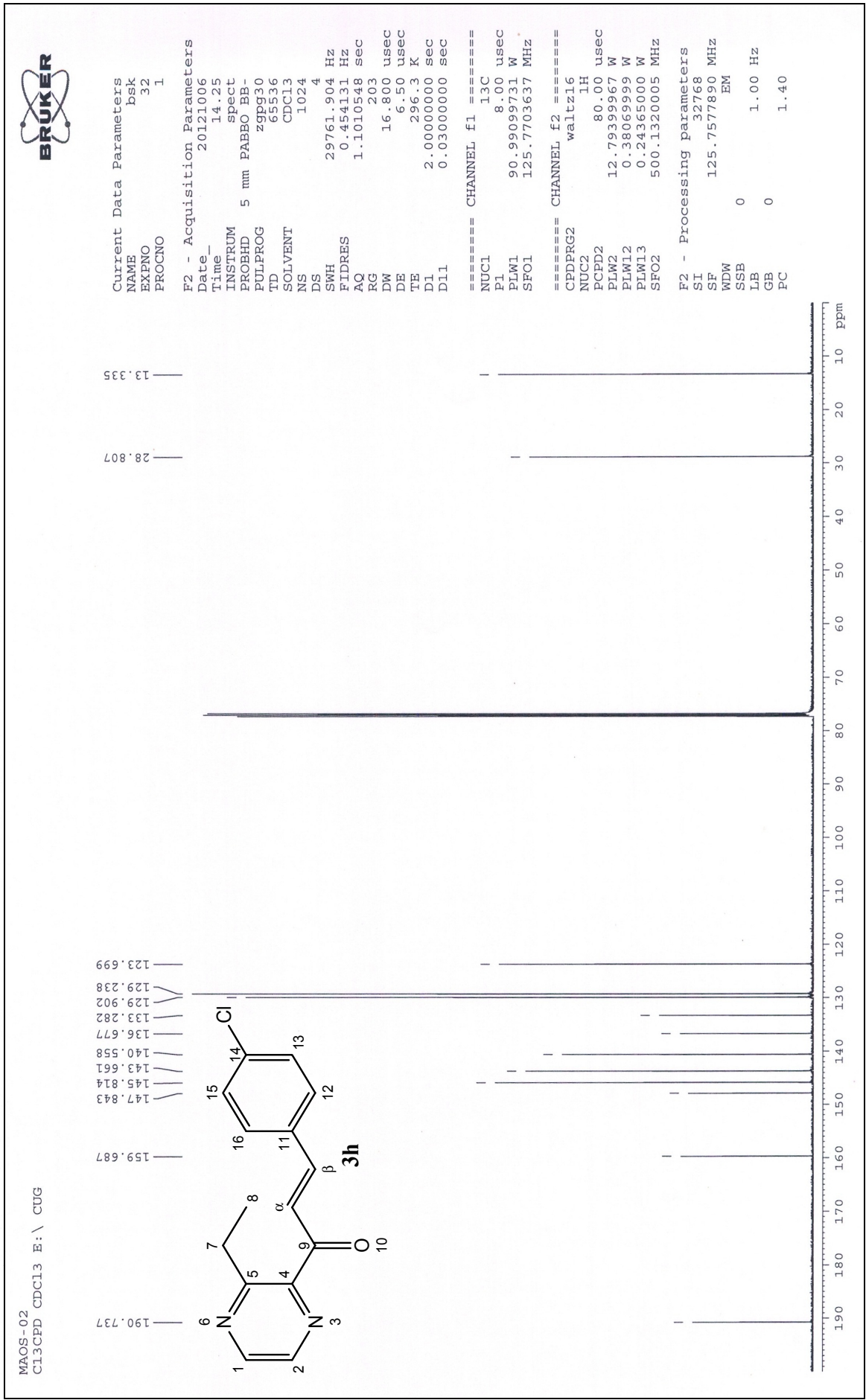
Current Data Parameters
NAME bsk
EXPNO 26
PROCNO 1

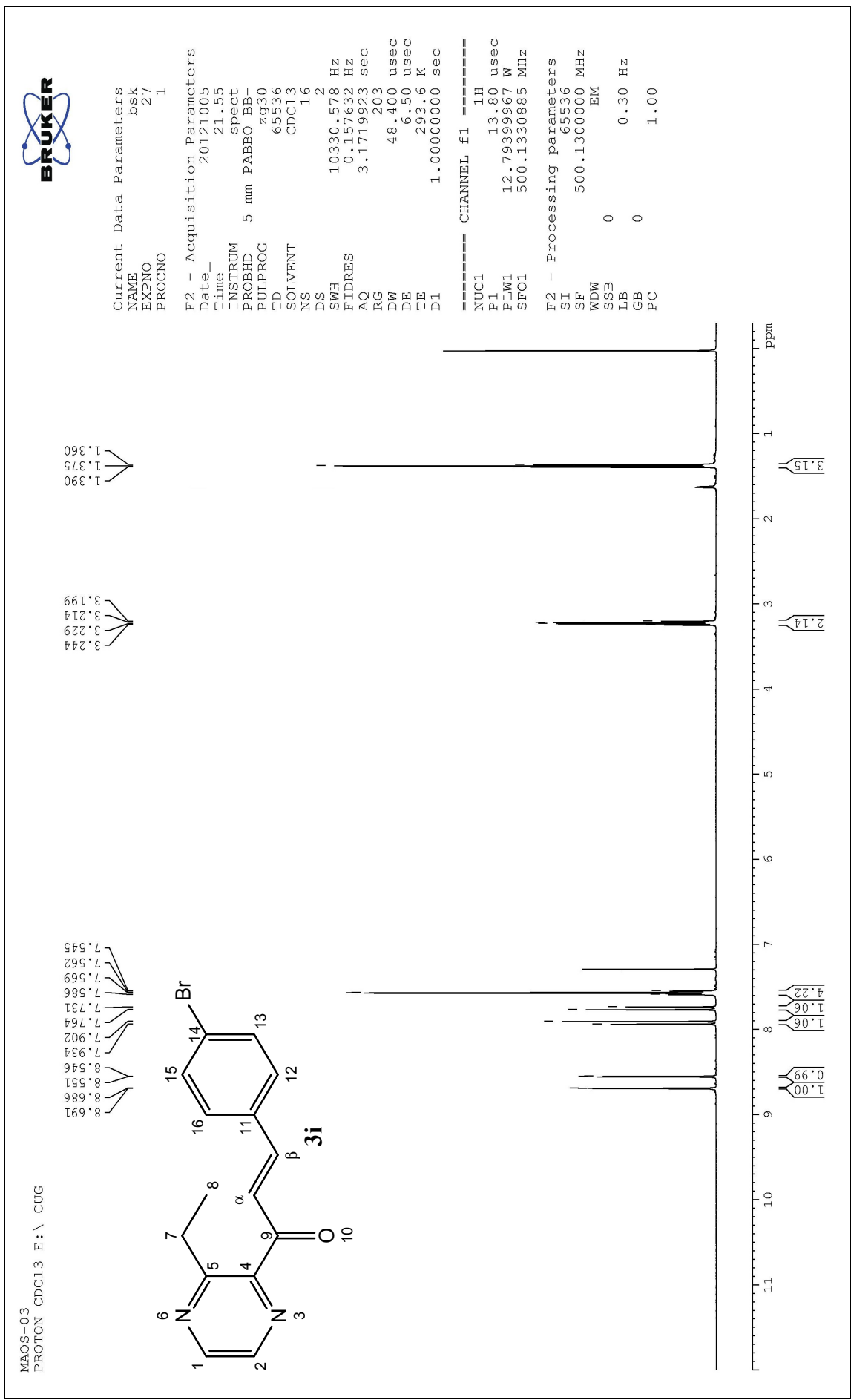
F2 - Acquisition Parameters
Date_ 20121005
Time 21.49
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719923 sec
RG 203
DW 48.400 usec
DE 6.50 usec
TE 293.7 K
D1 1.00000000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 13.80 usec
PLW1 12.79399967 W
SFO1 500.1330885 MHz

F2 - Processing parameters
SI 65536
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



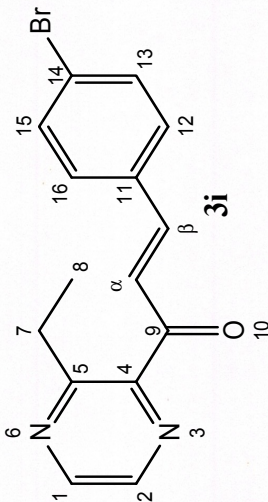






MAOS_03
Cl3CPD CDCl3 E:\ CUG

190.728
159.703
147.807
145.828
143.709
140.561
133.704
132.200
130.093
125.089
123.778



28.812
13.334

Current Data Parameters
NAME bsk
EXPNO 33
PROCNO 1

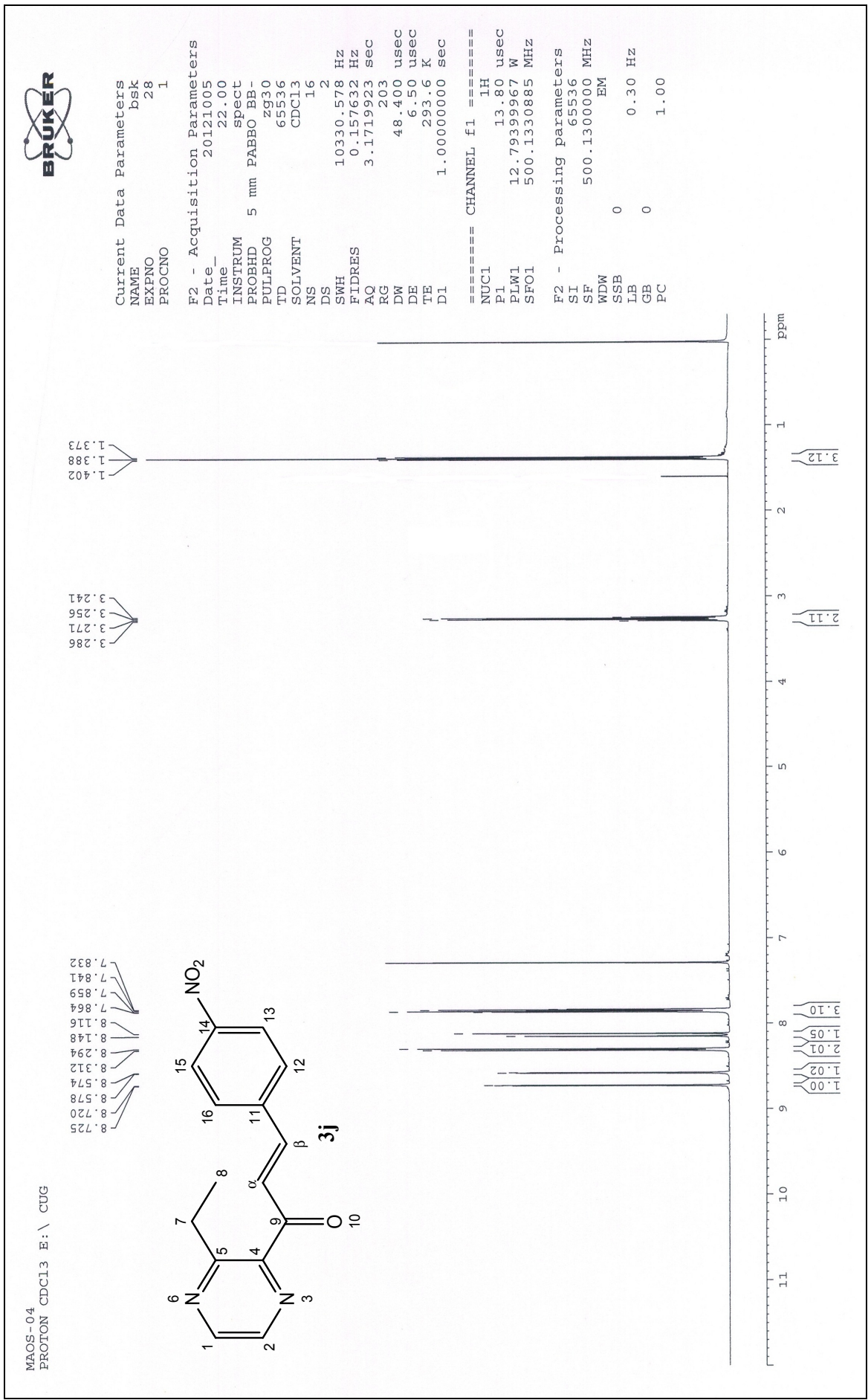
F2 - Acquisition Parameters
Date_ 20121006
Time 15.36
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 203
DW 16.800 usec
DE 6.50 usec
TE 296.4 K
D1 2.0000000 sec
D11 0.0300000 sec

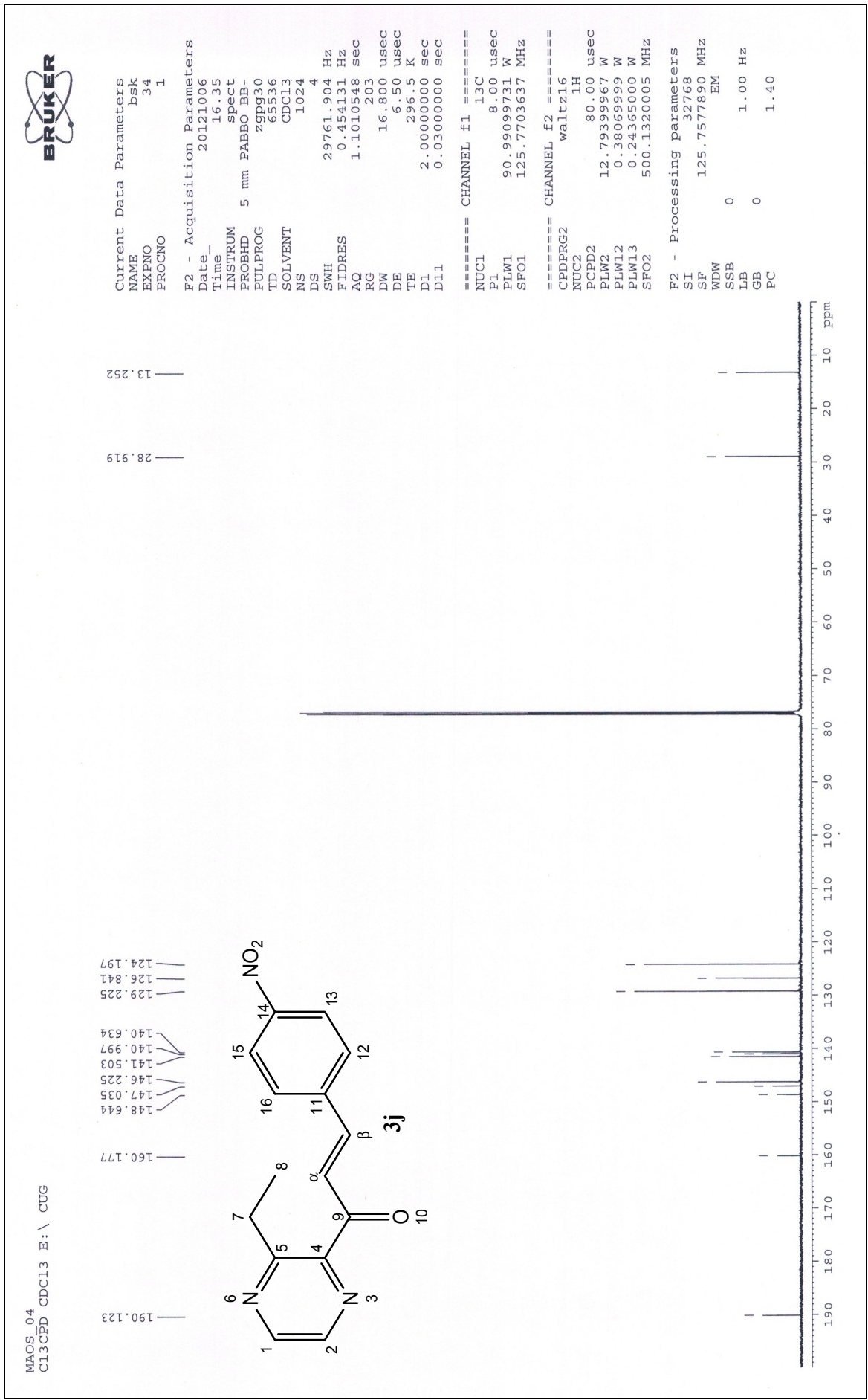
==== CHANNEL f1 =====
NUC1 13C
P1 8.00 usec
PLW1 90.99099731 W
SFO1 125.7703637 MHz

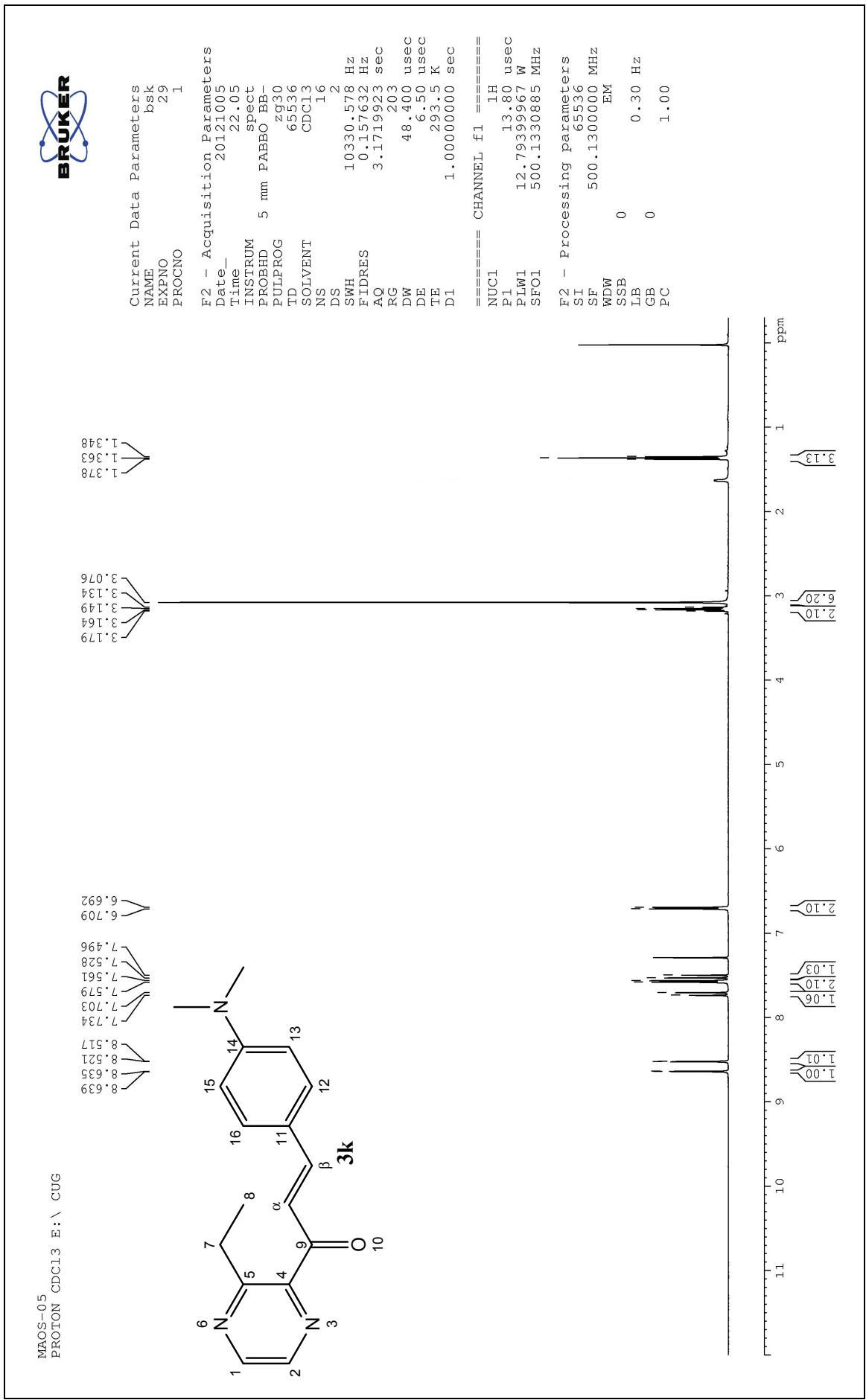
==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PLW2 12.79399967 W
PLW12 0.38069999 W
PLW13 0.24365000 W
SFO2 500.1320005 MHz

F2 - Processing parameters
SI 32768
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

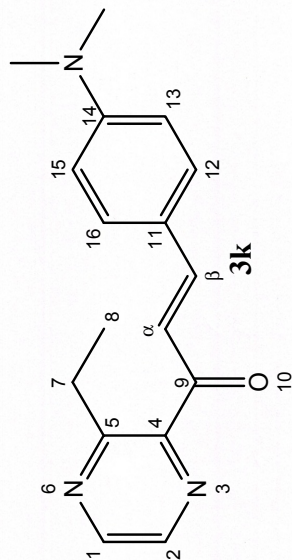
190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ppm







MAOS_05
C13CPD CDCl3 E:\ CUG



Current Data Parameters
NAME bsk
EXPNO 35
PROCNO 1

F2 - Acquisition Parameters
Date_ 20121006
Time_ 17.34
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 203
DW 16.800 usec
DE 6.50 usec
TE 296.4 K
D1 2.0000000 sec
D11 0.0300000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 8.00 usec
PLW1 90.9909731 W
SFO1 125.7703637 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PLW2 12.79399967 W
PLW12 0.38069999 W
PLW13 0.24365000 W
SFO2 500.1320005 MHz

F2 - Processing parameters
SI 32768
SF 125.7577890 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

