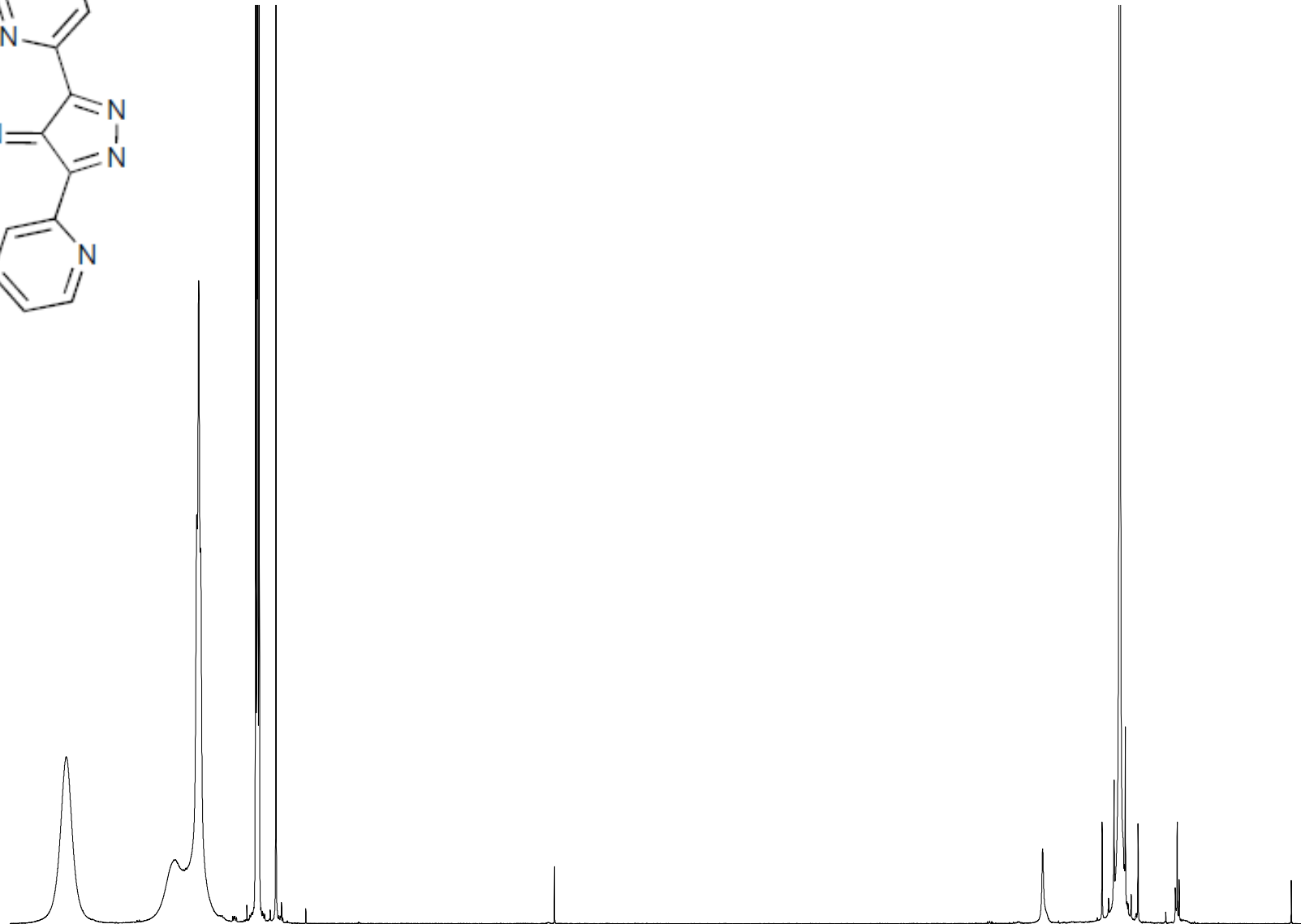


Current Data Parameters  
NAME fjl-hs543  
EXPNO 10  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20110323  
Time 11.24  
INSTRUM drx500  
PROBHD 5 mm CPDUL Z-  
PULPROG zg30  
TD 65536  
SOLVENT CDC13  
NS 16  
DS 0  
SWH 8503.401 Hz  
FIDRES 0.129752 Hz  
AQ 3.8535669 sec  
RG 18  
DW 58.800 usec  
DE 6.00 usec  
TE 300.0 K  
D1 2.00000000 sec  
TD0 1

===== CHANNEL f1 =====  
NUC1 1H  
P1 14.75 usec  
PL1 -6.00 dB  
SFO1 500.0532723 MHz

F2 - Processing parameters  
SI 65536  
SF 500.0500219 MHz  
WDW EM  
SSB 0  
LB 0.10 Hz  
GB 0  
PC 1.00



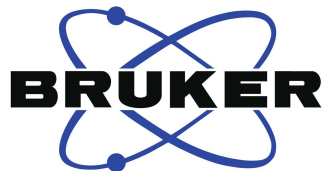
9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 ppm

1.96

4.02

2.00

9.15



Current Data Parameters  
NAME fjl-hs543  
EXPNO 11  
PROCNO 1

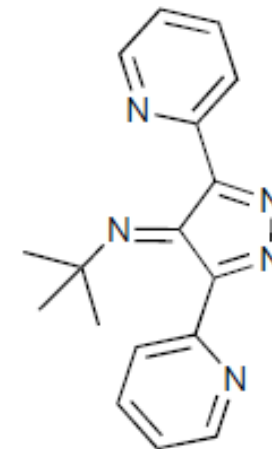
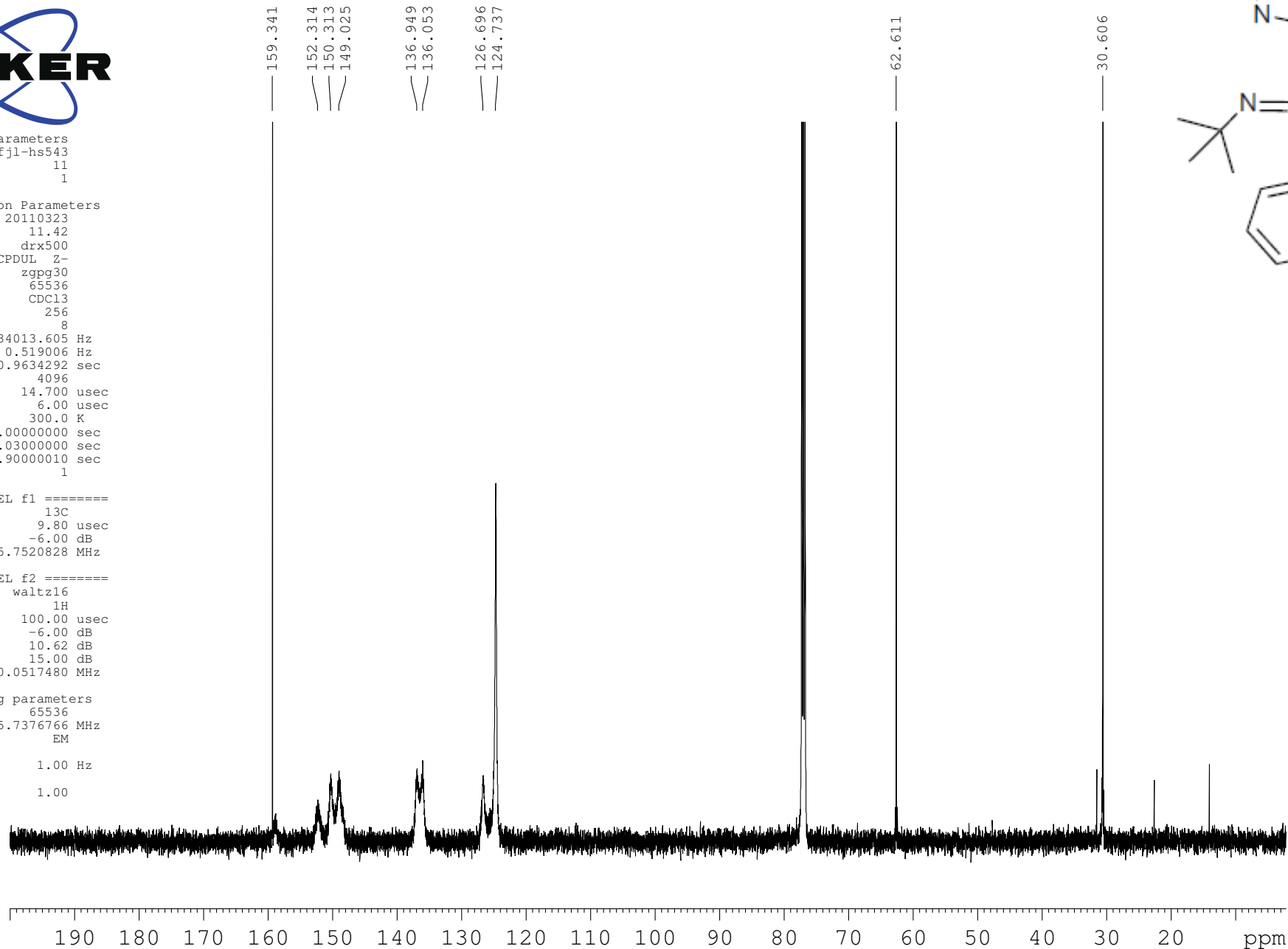
F2 - Acquisition Parameters

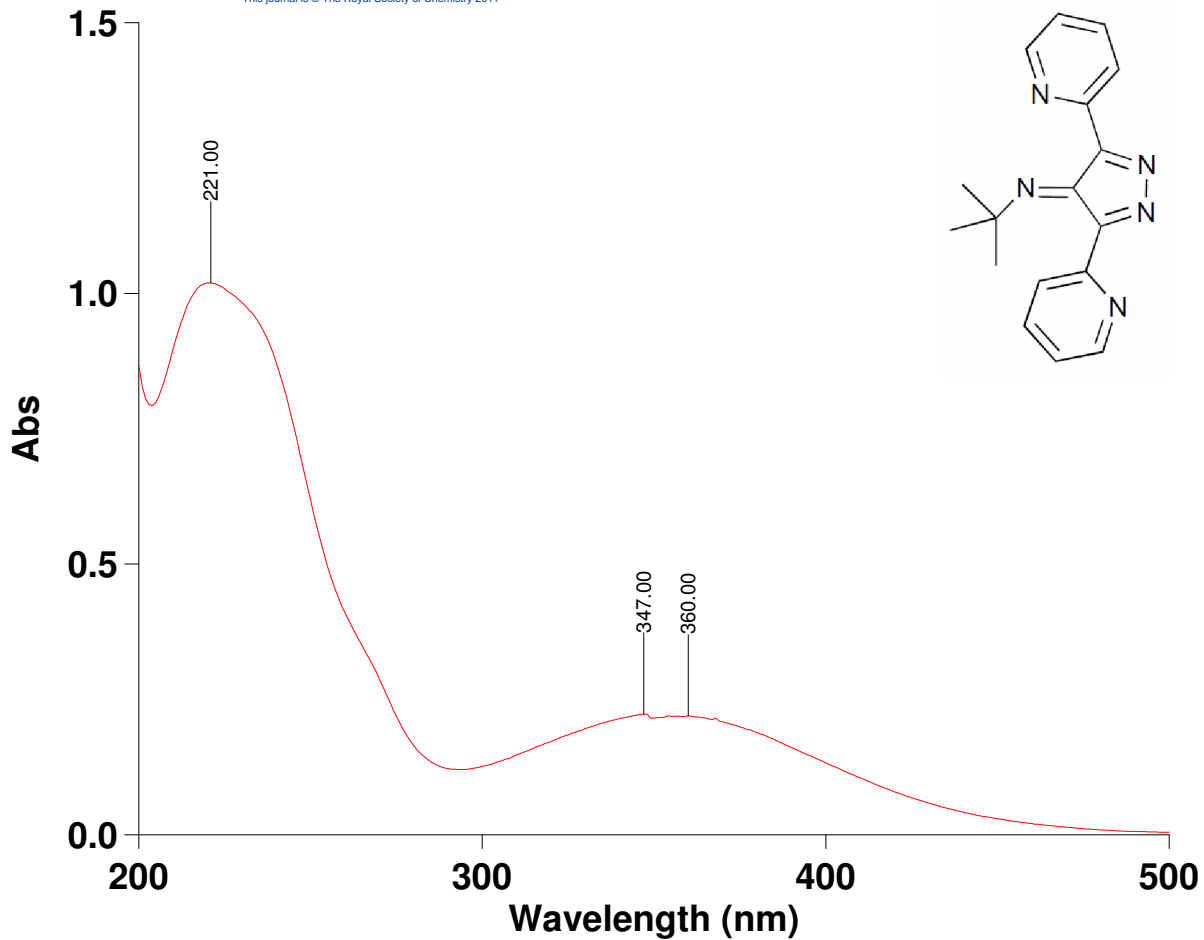
Date\_ 20110323  
Time 11.42  
INSTRUM drx500  
PROBHD 5 mm CPDUL Z-  
PULPROG zgpg30  
TD 65536  
SOLVENT CDCl3  
NS 256  
DS 8  
SWH 34013.605 Hz  
FIDRES 0.519006 Hz  
AQ 0.9634292 sec  
RG 4096  
DW 14.700 usec  
DE 6.00 usec  
TE 300.0 K  
D1 3.0000000 sec  
d11 0.0300000 sec  
DELTA 2.9000010 sec  
TD0 1

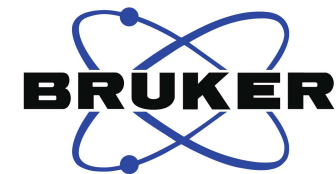
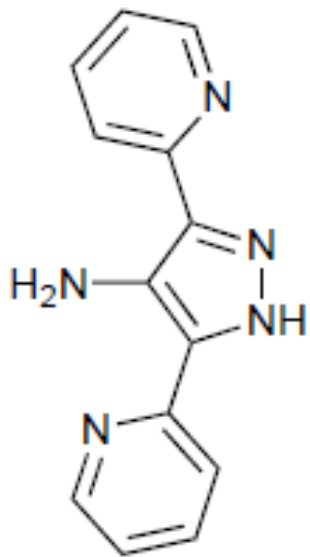
=====  
CHANNEL f1  
NUC1 13C  
P1 9.80 usec  
PL1 -6.00 dB  
SFO1 125.7520828 MHz

=====  
CHANNEL f2  
CPDPRG2 waltz16  
NUC2 1H  
PCPD2 100.00 usec  
PL2 -6.00 dB  
PL12 10.62 dB  
PL13 15.00 dB  
SFO2 500.0517480 MHz

F2 - Processing parameters  
SI 65536  
SF 125.7376766 MHz  
WDW EM  
SSB 0  
LB 1.00 Hz  
GB 0  
PC 1.00





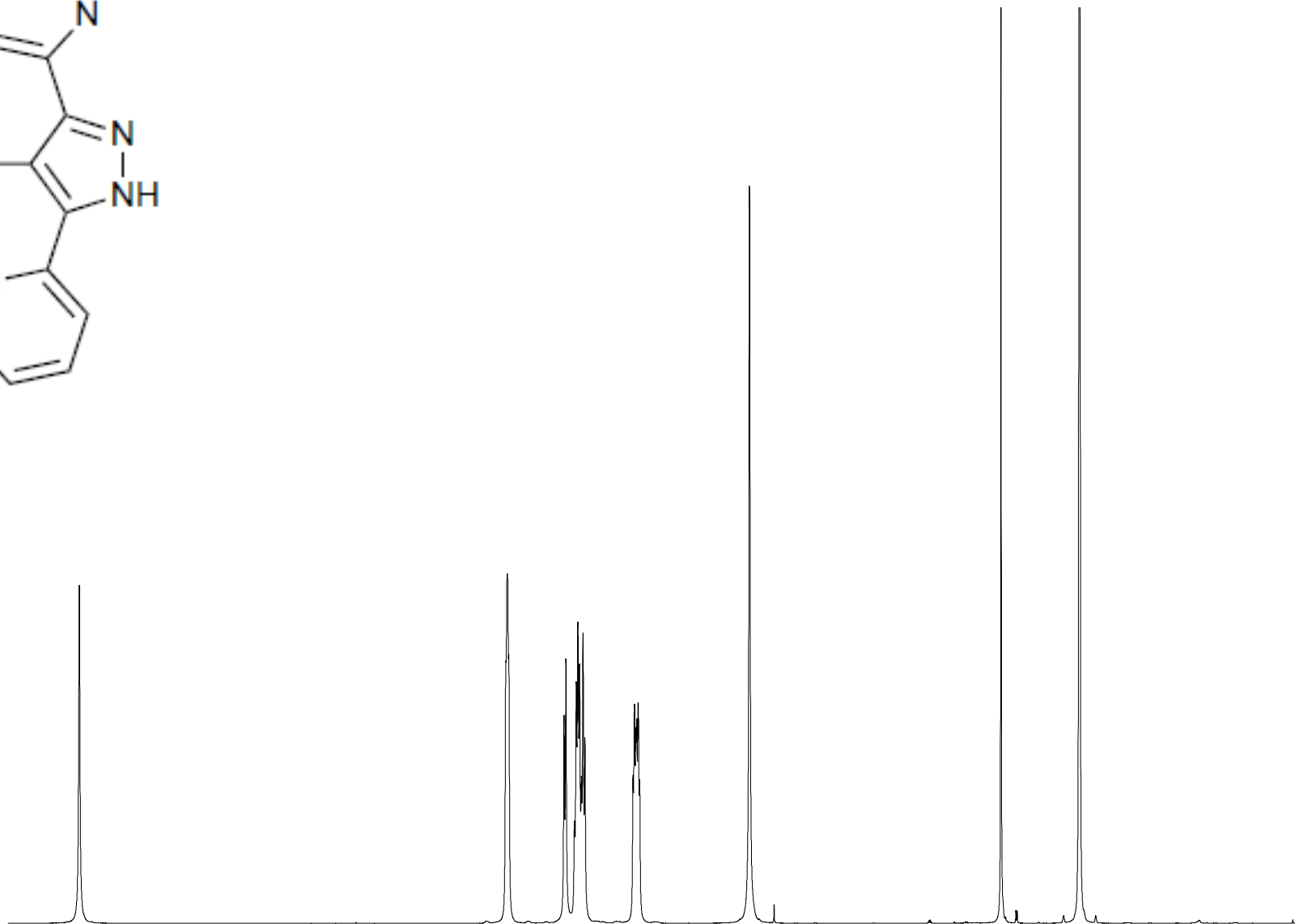


Current Data Parameters  
NAME fjl-hs571(mislabeledAs560)  
EXPNO 10  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20110615  
Time 1.14  
INSTRUM spect  
PROBHD 5 mm CPQNP 1H/  
PULPROG zg30  
TD 65536  
SOLVENT DMSO  
NS 16  
DS 2  
SWH 11160.714 Hz  
FIDRES 0.170299 Hz  
AQ 2.9360628 sec  
RG 32  
DW 44.800 usec  
DE 106.71 usec  
TE 300.0 K  
D1 1.00000000 sec  
TD0 1

==== CHANNEL f1 =====  
NUC1 1H  
P1 11.75 usec  
PL1 1.50 dB  
PL1W 8.18008518 W  
SFO1 400.1428010 MHz

F2 - Processing parameters  
SI 65536  
SF 400.1400175 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.50



13

12

11

10

9

8

8

7

6

5

4

3

2

1 ppm

0.99

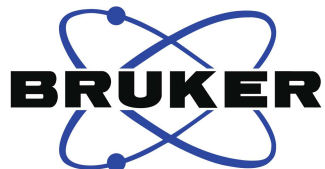
1.94

1.01

2.97

1.97

1.97



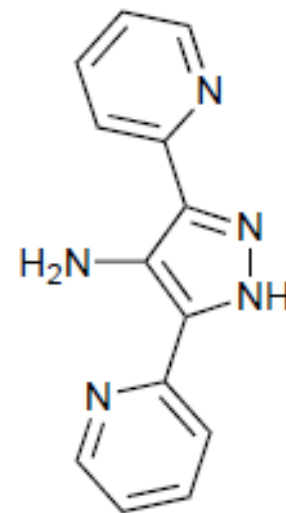
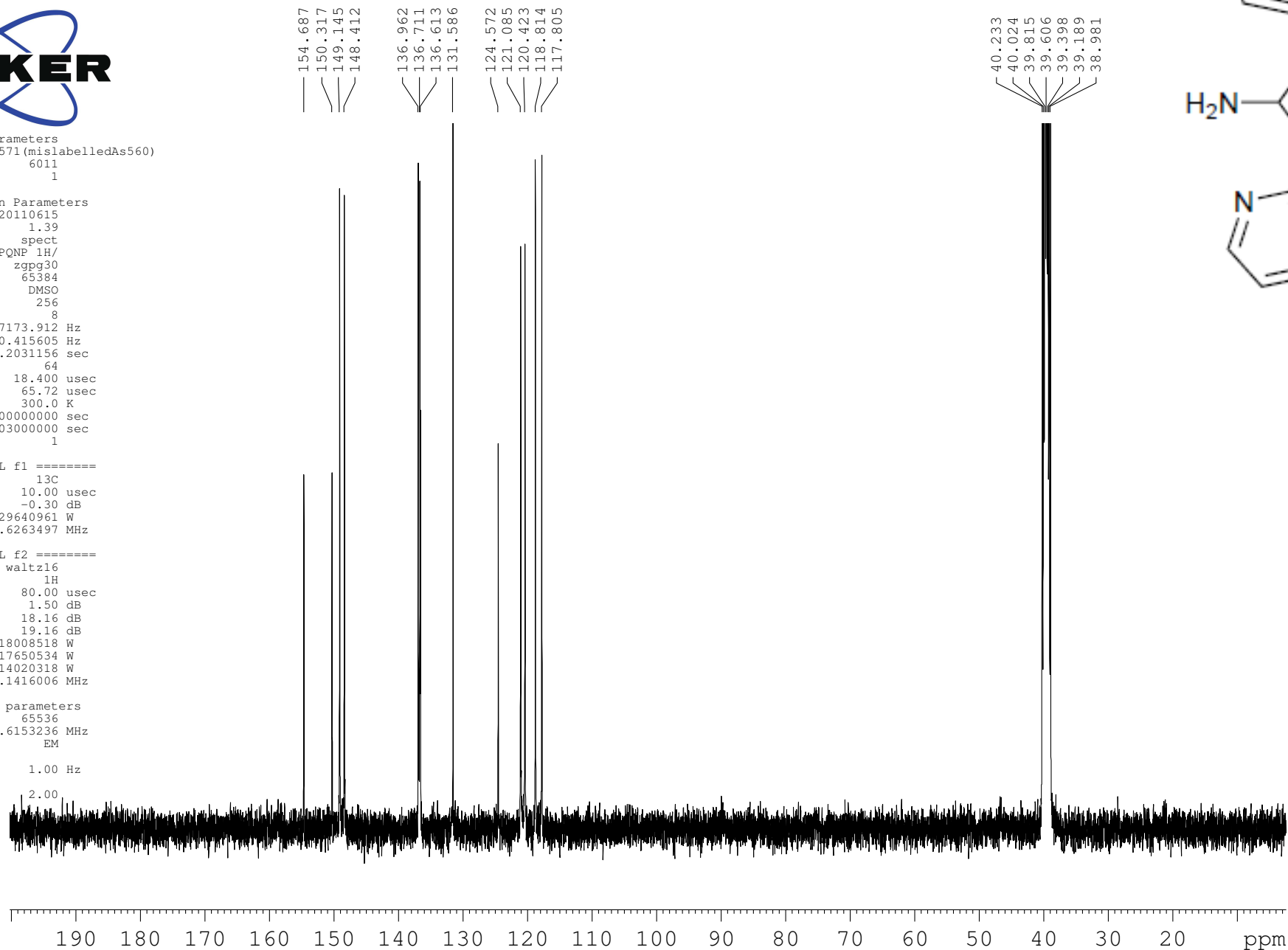
Current Data Parameters  
NAME fjl-hs571 (mislabelledAs560)  
EXPNO 6011  
PROCNO 1

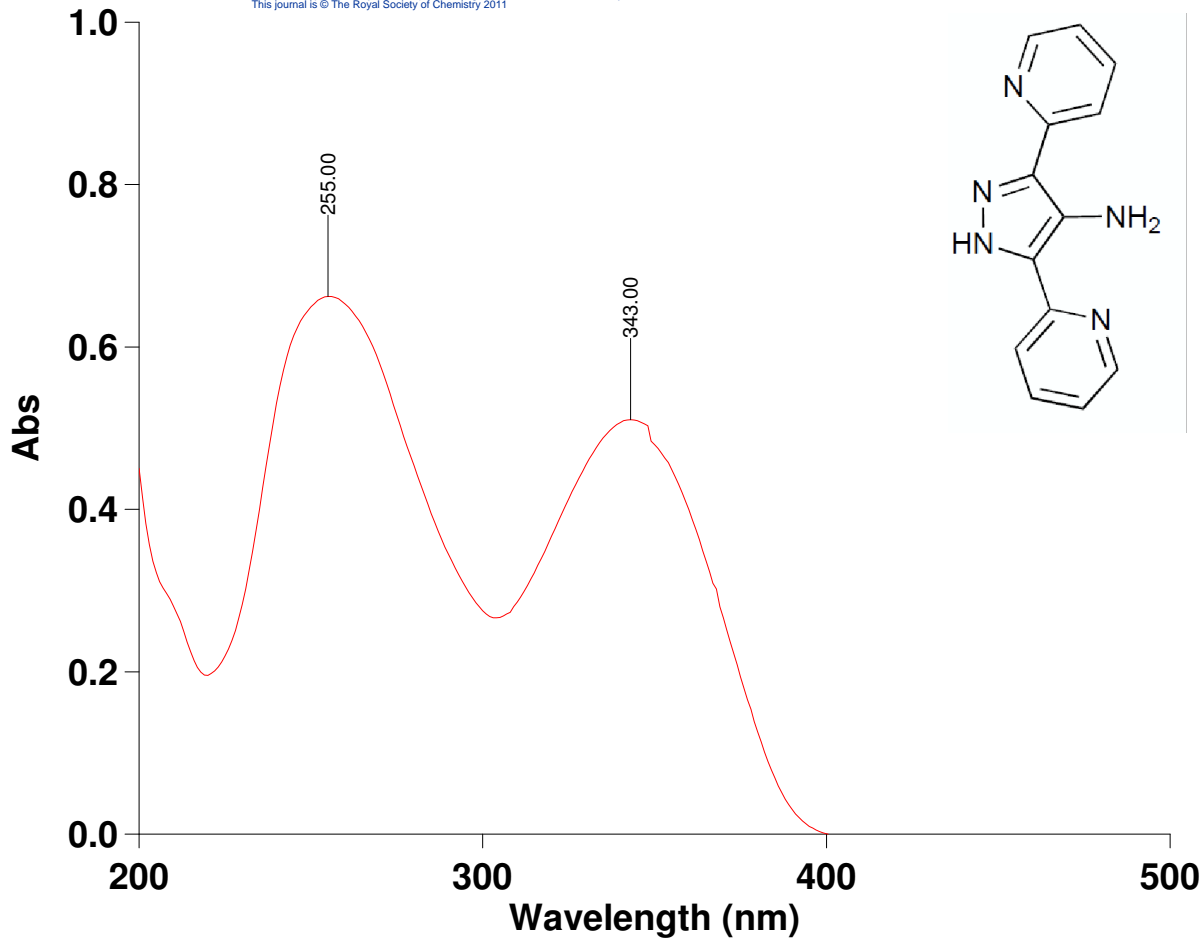
F2 - Acquisition Parameters  
Date\_ 20110615  
Time 1.39  
INSTRUM spect  
PROBHD 5 mm CPQNP 1H/  
PULPROG zgpg30  
TD 65384  
SOLVENT DMSO  
NS 256  
DS 8  
SWH 27173.912 Hz  
FIDRES 0.415605 Hz  
AQ 1.2031156 sec  
RG 64  
DW 18.400 usec  
DE 65.72 usec  
TE 300.0 K  
D1 4.00000000 sec  
D11 0.03000000 sec  
TD0 1

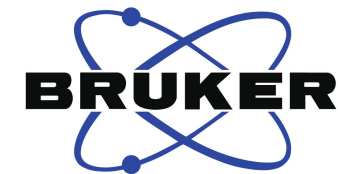
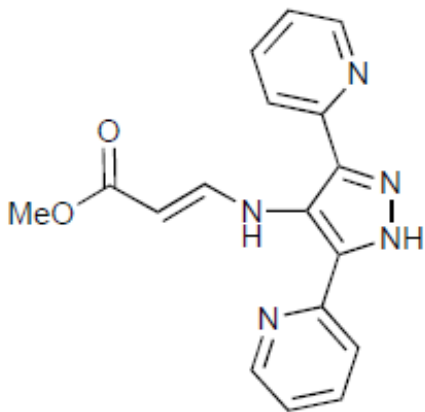
==== CHANNEL f1 =====  
NUC1 13C  
P1 10.00 usec  
PL1 -0.30 dB  
PL1W 39.29640961 W  
SFO1 100.6263497 MHz

==== CHANNEL f2 =====  
CPDPRG2 waltz16  
NUC2 1H  
PCPD2 80.00 usec  
PL2 1.50 dB  
PL12 18.16 dB  
PL13 19.16 dB  
PL2W 8.18008518 W  
PL12W 0.17650534 W  
PL13W 0.14020318 W  
SFO2 400.1416006 MHz

F2 - Processing parameters  
SI 65536  
SF 100.6153236 MHz  
WDW EM  
SSB 0  
LB 1.00 Hz  
GB 0  
PC 2.00





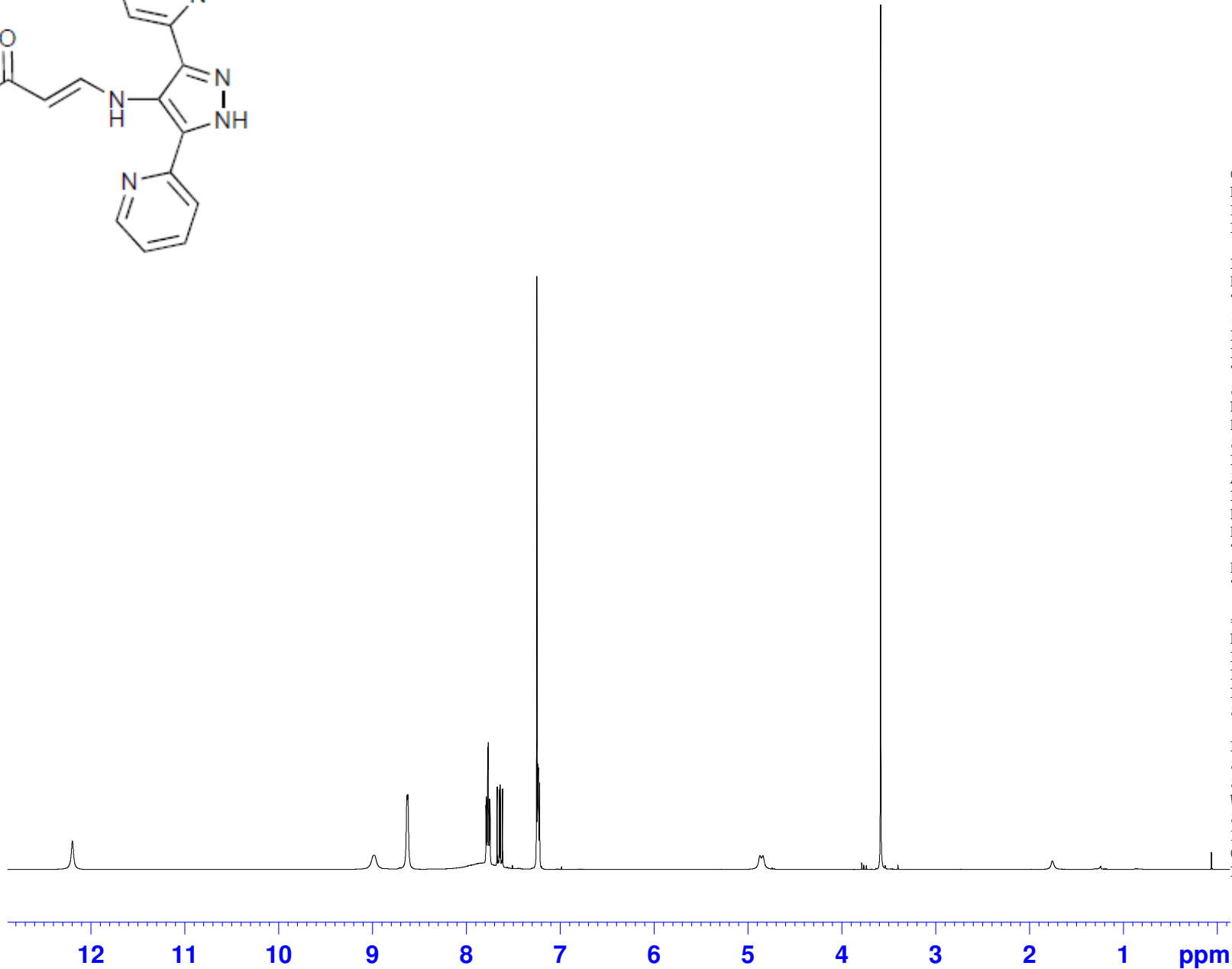


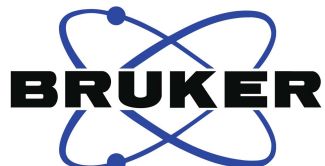
Current Data Parameters  
NAME fjl-hs558-400MHz  
EXPNO 10  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20110615  
Time 11.02  
INSTRUM spect  
PROBHD 5 mm CPQNP 1H/  
PULPROG zg30  
TD 65536  
SOLVENT CDC13  
NS 16  
DS 2  
SWH 11160.714 Hz  
FIDRES 0.170299 Hz  
AQ 2.9360628 sec  
RG 32  
DW 44.800 usec  
DE 106.71 usec  
TE 300.0 K  
D1 1.00000000 sec  
TD0 1

==== CHANNEL f1 =====  
NUC1 1H  
P1 11.75 usec  
PL1 1.50 dB  
PL1W 8.18008518 W  
SFO1 400.1428010 MHz

F2 - Processing parameters  
SI 65536  
SF 400.1400175 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.50





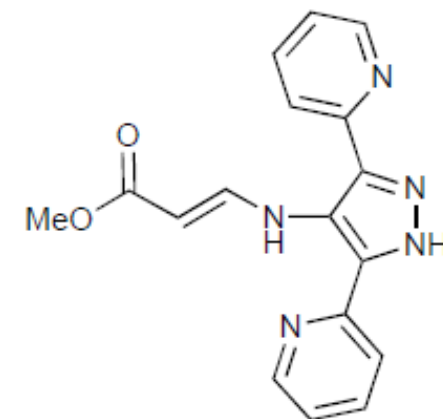
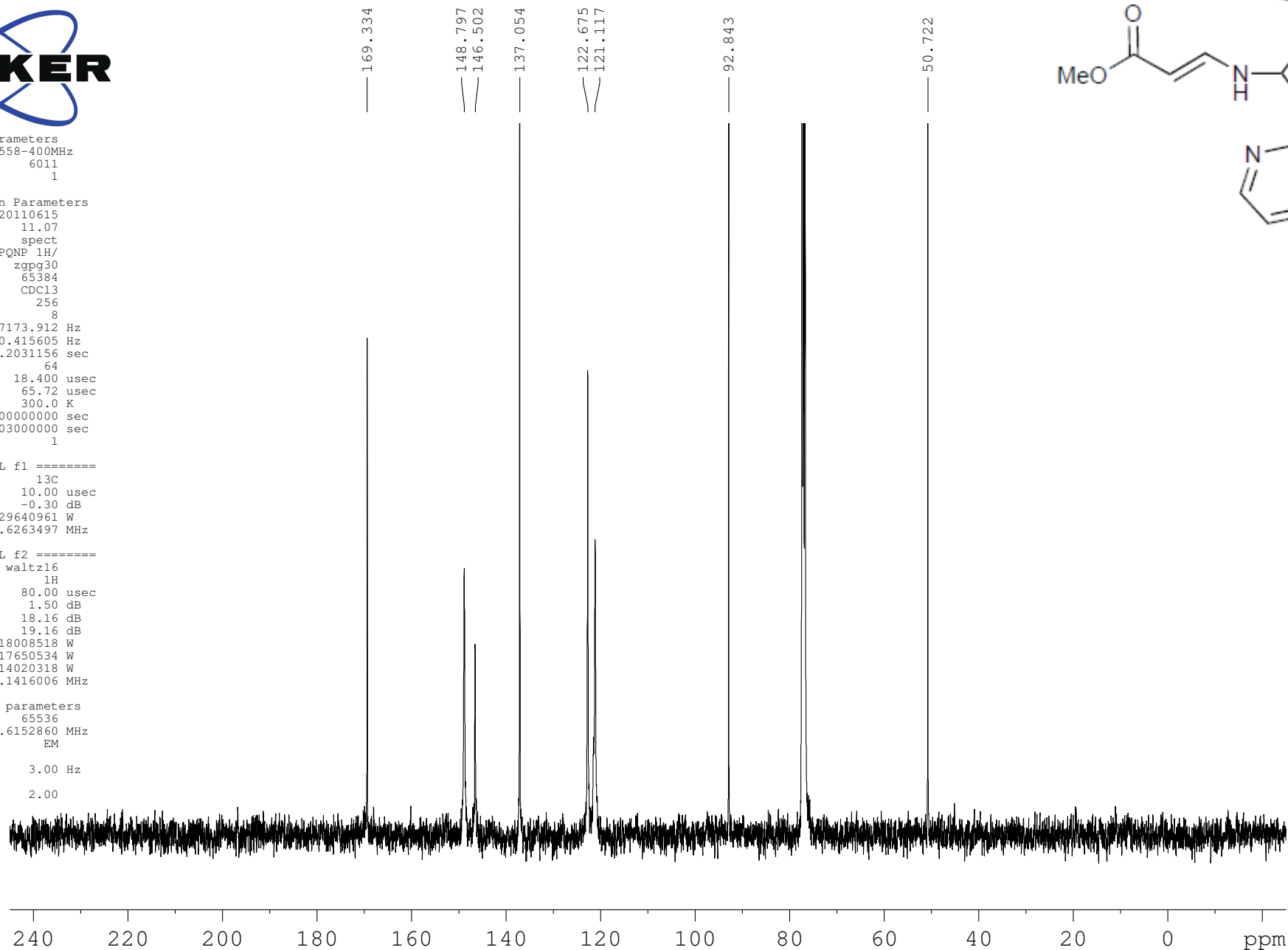
Current Data Parameters  
NAME fjl-hs558-400MHz  
EXPNO 6011  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20110615  
Time 11.07  
INSTRUM spect  
PROBHD 5 mm CPQNP 1H/  
PULPROG zgpg30  
TD 65384  
SOLVENT CDC13  
NS 256  
DS 8  
SWH 27173.912 Hz  
FIDRES 0.415605 Hz  
AQ 1.2031156 sec  
RG 64  
DW 18.400 usec  
DE 65.72 usec  
TE 300.0 K  
D1 4.00000000 sec  
D11 0.03000000 sec  
TD0 1

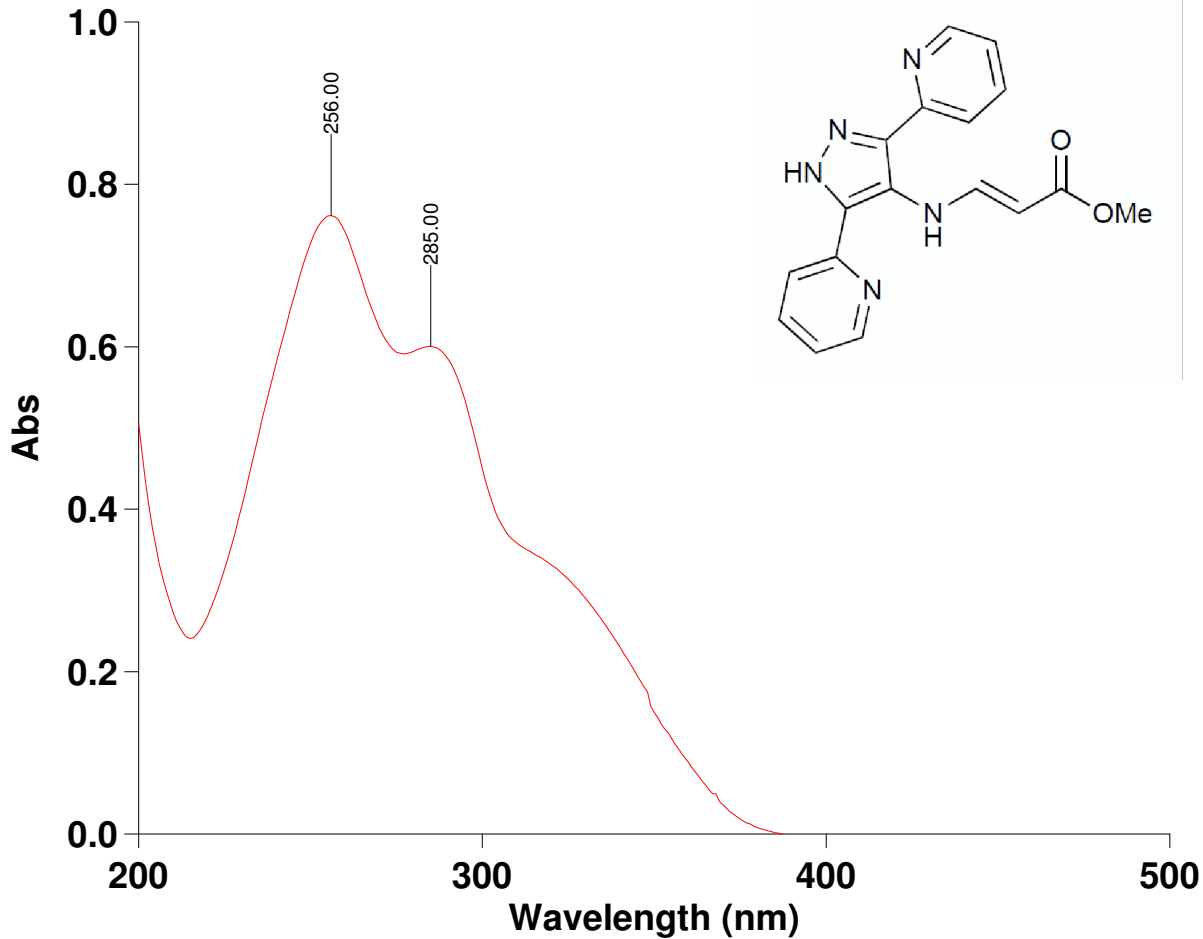
=====  
CHANNEL f1  
NUC1 13C  
P1 10.00 usec  
PL1 -0.30 dB  
PL1W 39.29640961 W  
SFO1 100.6263497 MHz

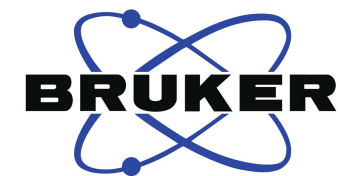
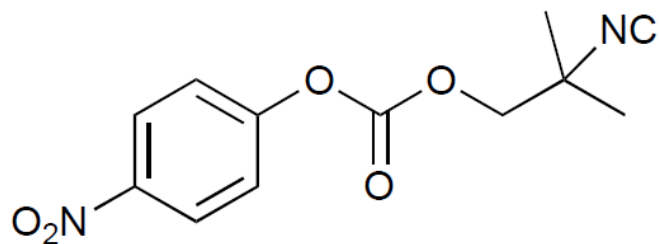
=====  
CHANNEL f2  
CPDPRG2 waltz16  
NUC2 1H  
PCPD2 80.00 usec  
PL2 1.50 dB  
PL12 18.16 dB  
PL13 19.16 dB  
PL2W 8.18008518 W  
PL12W 0.17650534 W  
PL13W 0.14020318 W  
SFO2 400.1416006 MHz

F2 - Processing parameters  
SI 65536  
SF 100.6152860 MHz  
WDW EM  
SSB 0  
LB 3.00 Hz  
GB 0  
PC 2.00







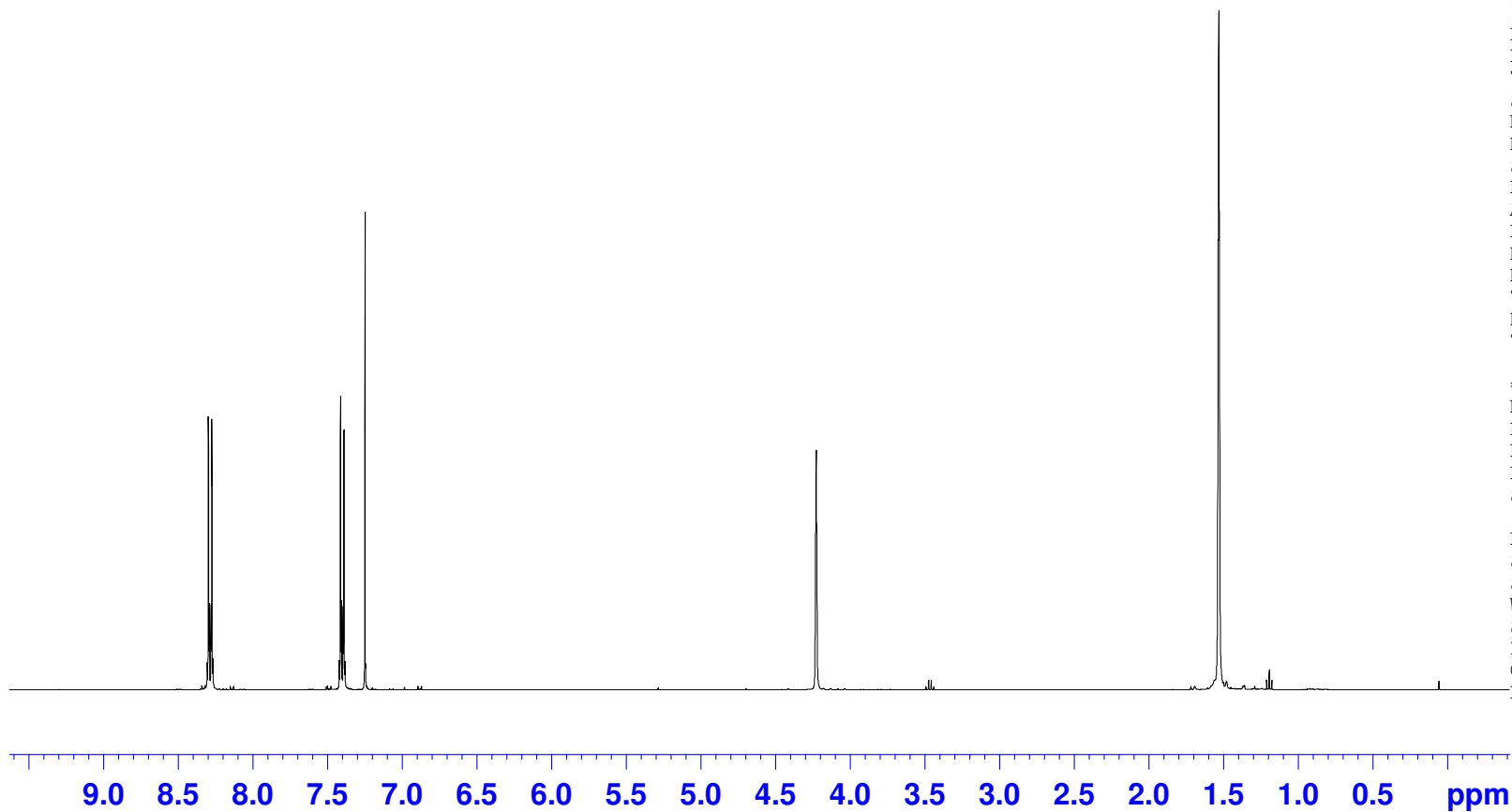


Current Data Parameters  
NAME fjl-hs452  
EXPNO 10  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20110620  
Time 17.32  
INSTRUM spect  
PROBHD 5 mm CPQNP 1H/  
PULPROG zg30  
TD 65536  
SOLVENT CDCl3  
NS 16  
DS 2  
SWH 11160.714 Hz  
FIDRES 0.170299 Hz  
AQ 2.9360628 sec  
RG 32  
DW 44.800 usec  
DE 106.71 usec  
TE 300.0 K  
D1 1.00000000 sec  
TD0 1

==== CHANNEL f1 =====  
NUC1 1H  
P1 11.75 usec  
PL1 1.50 dB  
PL1W 8.18008518 W  
SFO1 400.1428010 MHz

F2 - Processing parameters  
SI 65536  
SF 400.1400175 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.50

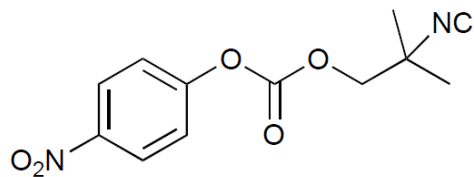


2.01

2.00

2.06

6.51



Current Data Parameters

NAME fjl-hs452  
EXPNO 11  
PROCNO 1

F2 - Acquisition Parameters

Date\_ 20110620  
Time 17.48  
INSTRUM spect  
PROBHD 5 mm CPQNP 1H/  
PULPROG zgpg30  
TD 65536  
SOLVENT CDC13  
NS 2048  
DS 8  
SWH 27173.912 Hz  
FIDRES 0.414641 Hz  
AQ 1.2059124 sec  
RG 64  
DW 18.400 usec  
DE 65.72 usec  
TE 300.0 K  
D1 4.00000000 sec  
D11 0.03000000 sec  
TD0 1

==== CHANNEL f1 =====

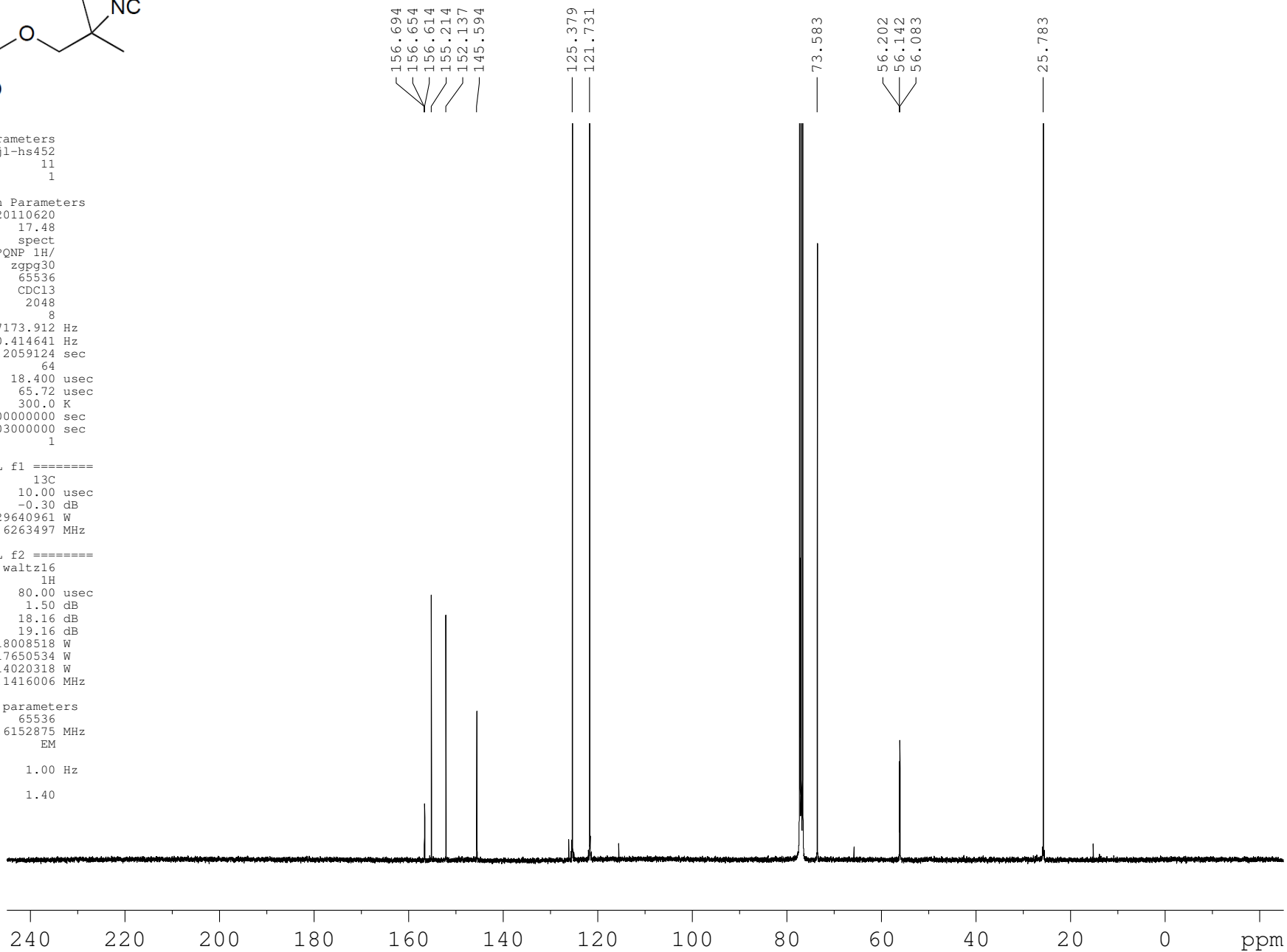
NUC1 13C  
P1 10.00 usec  
PL1 -0.30 dB  
PL1W 39.29640961 W  
SFO1 100.6263497 MHz

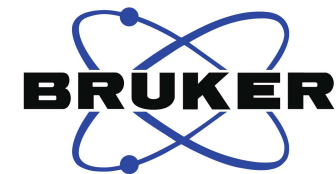
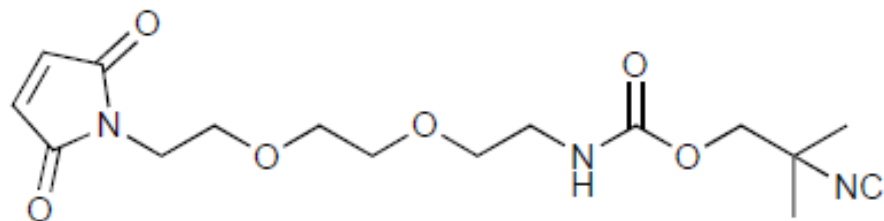
==== CHANNEL f2 =====

CPDPRG2 waltz16  
NUC2 1H  
PCPD2 80.00 usec  
PL2 1.50 dB  
PL12 18.16 dB  
PL13 19.16 dB  
PL2W 8.18008518 W  
PL12W 0.17650534 W  
PL13W 0.14020318 W  
SFO2 400.1416006 MHz

F2 - Processing parameters

SI 65536  
SF 100.6152875 MHz  
WDW EM  
SSB 0  
LB 1.00 Hz  
GB 0  
PC 1.40



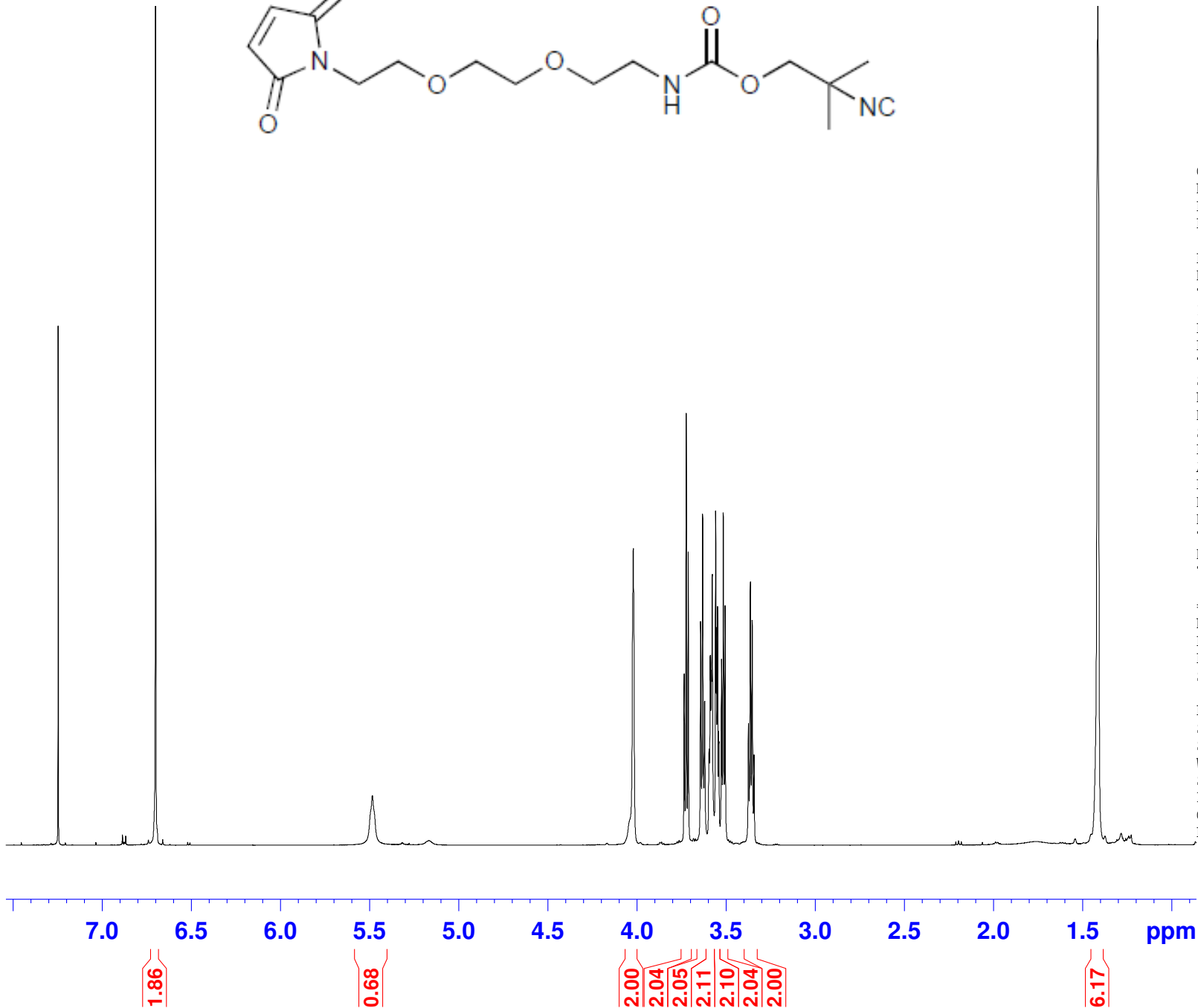


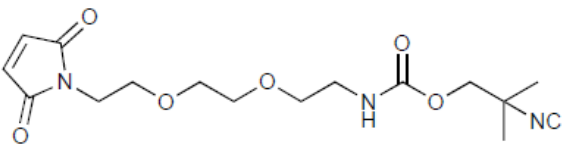
Current Data Parameters  
NAME fjl-hs454  
EXPNO 10  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20110323  
Time 4.50  
INSTRUM drx500  
PROBHD 5 mm CPDUL Z-  
PULPROG zg30  
TD 65536  
SOLVENT CDCl3  
NS 16  
DS 0  
SWH 8503.401 Hz  
FIDRES 0.129752 Hz  
AQ 3.8535669 sec  
RG 11.3  
DW 58.800 usec  
DE 6.00 usec  
TE 300.0 K  
D1 2.00000000 sec  
TD0 1

==== CHANNEL f1 =====  
NUC1 1H  
P1 14.75 usec  
PL1 -6.00 dB  
SFO1 500.0532723 MHz

F2 - Processing parameters  
SI 65536  
SF 500.0500219 MHz  
WDW EM  
SSB 0  
LB 0.10 Hz  
GB 0  
PC 1.00





155.155.155.155.155.058  
155.024

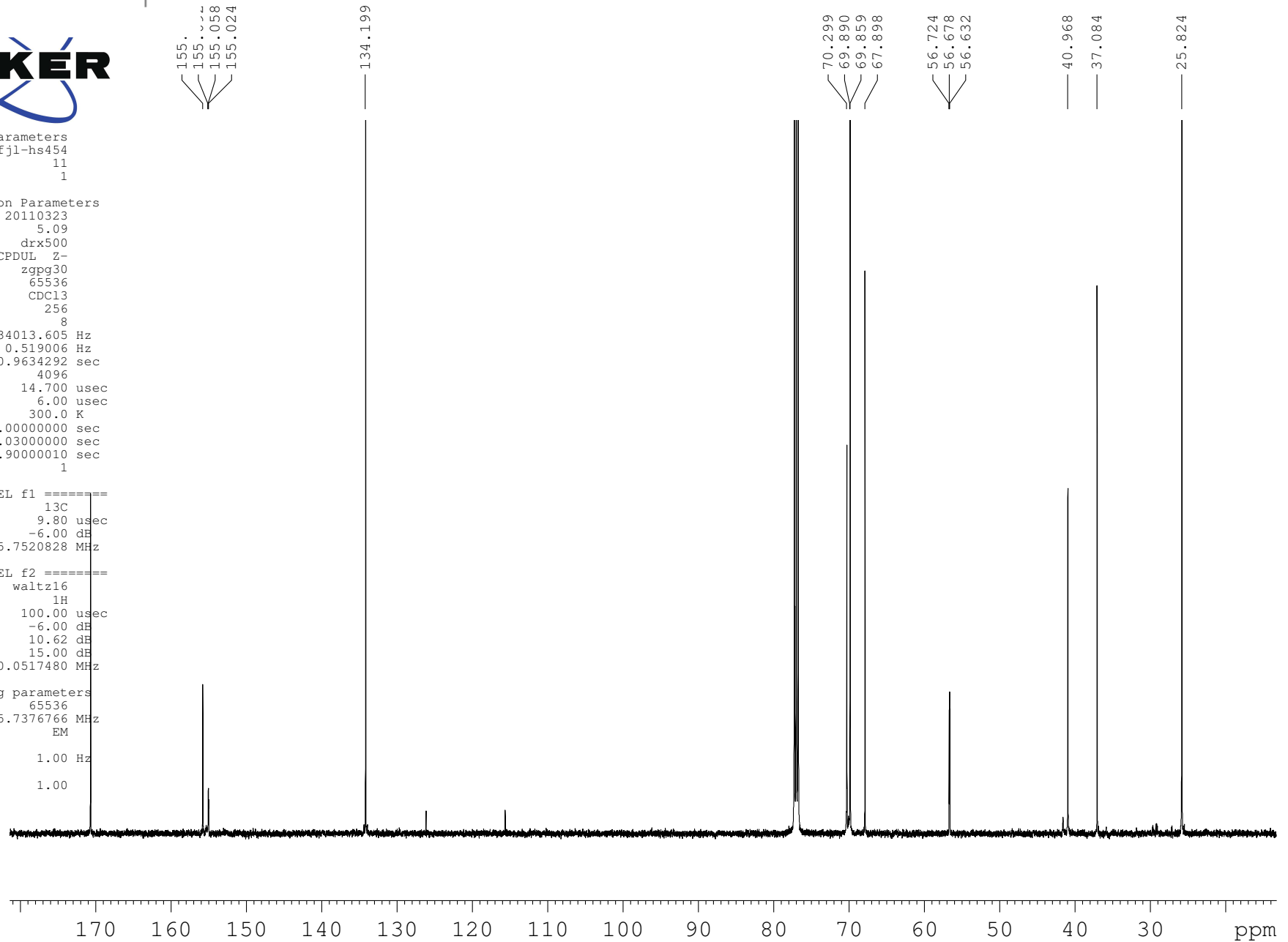
Current Data Parameters  
NAME fjl-hs454  
EXPNO 11  
PROCNO 1

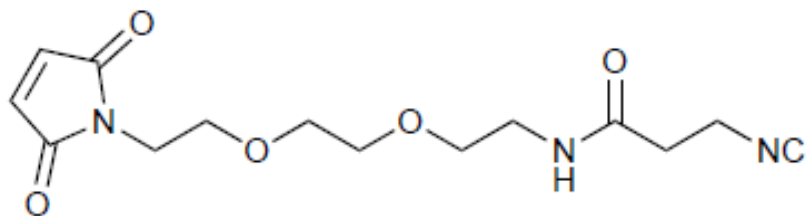
F2 - Acquisition Parameters  
Date\_ 20110323  
Time 5.09  
INSTRUM drx500  
PROBHD 5 mm CPDUL Z-  
PULPROG zgpg30  
TD 65536  
SOLVENT CDCl3  
NS 256  
DS 8  
SWH 34013.605 Hz  
FIDRES 0.519006 Hz  
AQ 0.9634292 sec  
RG 4096  
DW 14.700 usec  
DE 6.00 usec  
TE 300.0 K  
D1 3.00000000 sec  
d11 0.03000000 sec  
DELTA 2.90000010 sec  
TD0 1

==== CHANNEL f1 =====  
NUC1 13C  
P1 9.80 usec  
PL1 -6.00 dB  
SFO1 125.7520828 MHz

==== CHANNEL f2 =====  
CPDPRG2 waltz16  
NUC2 1H  
PCPD2 100.00 usec  
PL2 -6.00 dB  
PL12 10.62 dB  
PL13 15.00 dB  
SFO2 500.0517480 MHz

F2 - Processing parameters  
SI 65536  
SF 125.7376766 MHz  
WDW EM  
SSB 0  
LB 1.00 Hz  
GB 0  
PC 1.00



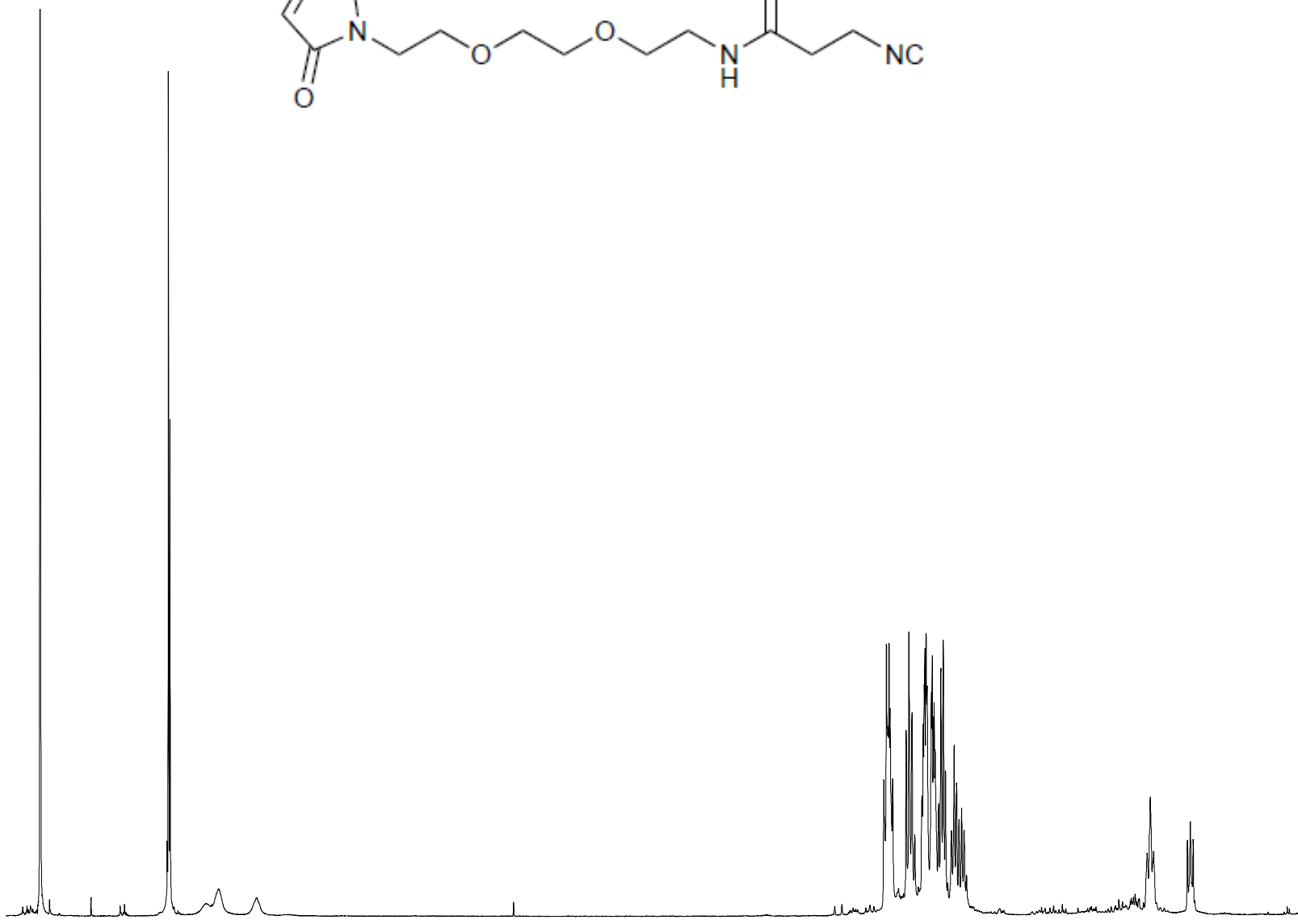


Current Data Parameters  
NAME fjl-hs568  
EXPNO 10  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20110613  
Time 13.45  
INSTRUM drx500  
PROBHD 5 mm CPDUL Z-  
PULPROG zg30  
TD 65536  
SOLVENT CDCl3  
NS 16  
DS 0  
SWH 8503.401 Hz  
FIDRES 0.129752 Hz  
AQ 3.8535669 sec  
RG 11.3  
DW 58.800 usec  
DE 6.00 usec  
TE 298.0 K  
D1 2.00000000 sec  
TD0 1

==== CHANNEL f1 =====  
NUC1 1H  
P1 14.75 usec  
PL1 -6.00 dB  
SFO1 500.0532723 MHz

F2 - Processing parameters  
SI 65536  
SF 500.0500219 MHz  
WDW EM  
SSB 0  
LB 0.10 Hz  
GB 0  
PC 1.00

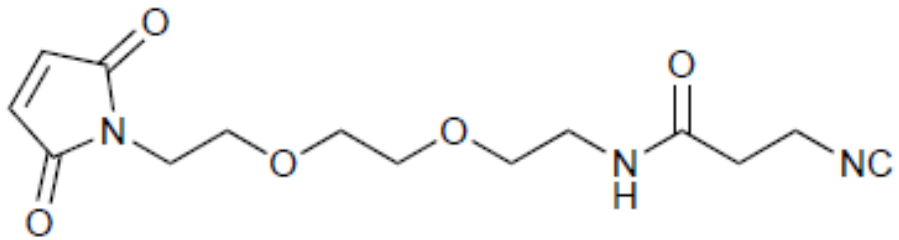


7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 ppm

2.00  
1.09

3.07  
1.89  
2.94  
2.46  
2.30  
2.38

2.06



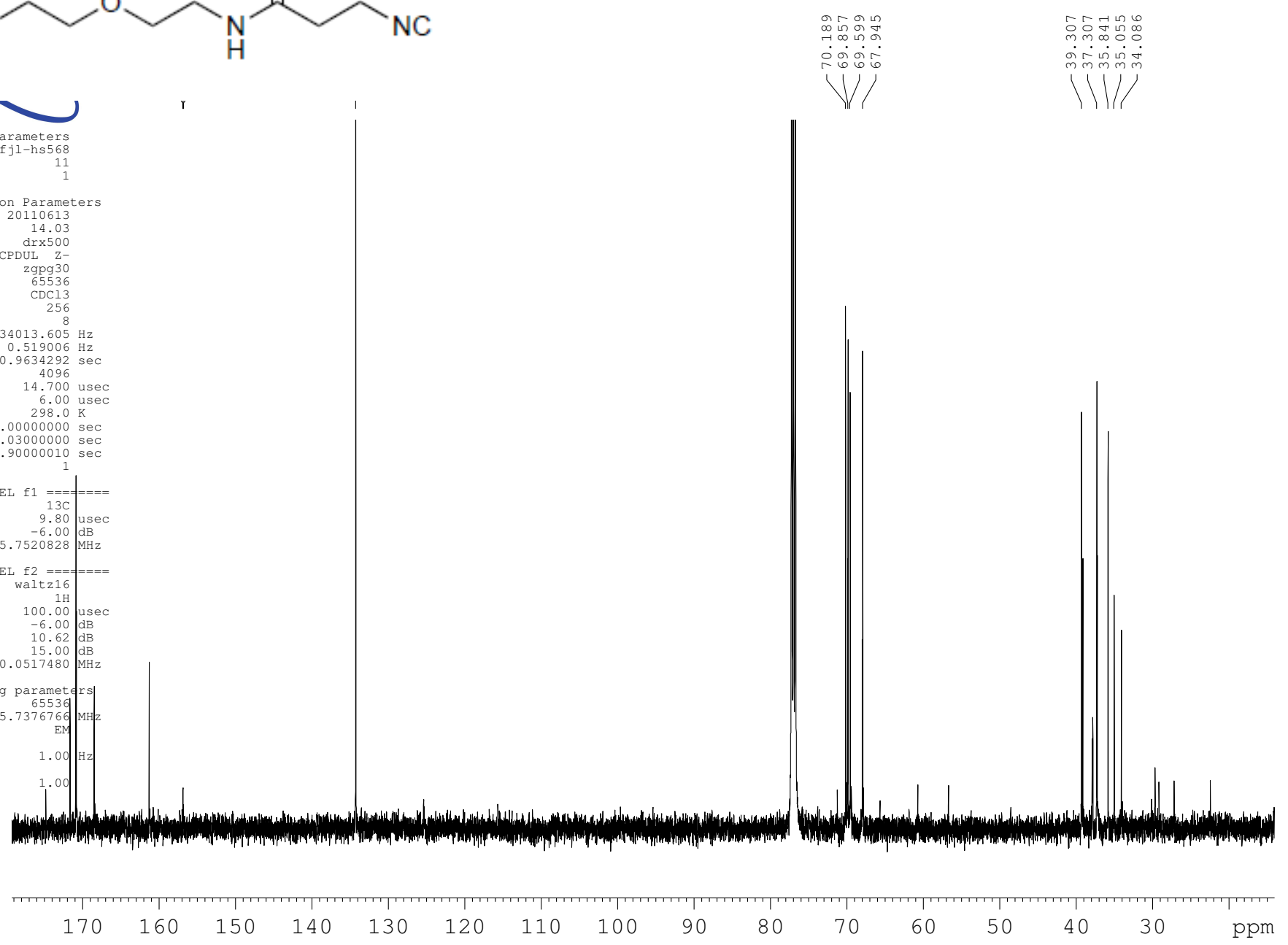
Current Data Parameters  
 NAME fjl-hs568  
 EXPNO 11  
 PROCNO 1

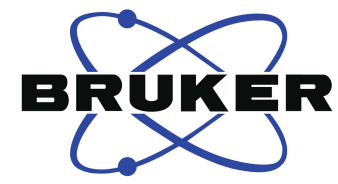
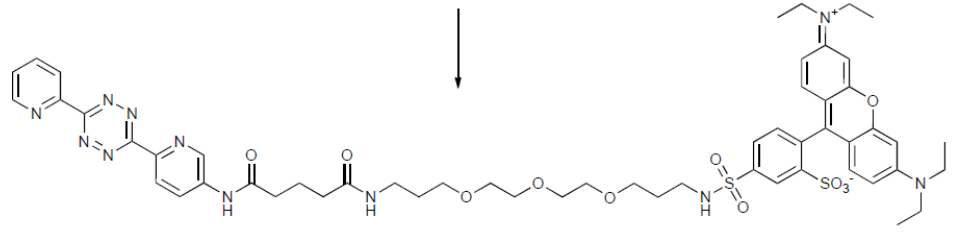
F2 - Acquisition Parameters  
 Date\_ 20110613  
 Time 14.03  
 INSTRUM drx500  
 PROBHD 5 mm CPDUL Z-  
 PULPROG zgpg30  
 TD 65536  
 SOLVENT CDCl3  
 NS 256  
 DS 8  
 SWH 34013.605 Hz  
 FIDRES 0.519006 Hz  
 AQ 0.9634292 sec  
 RG 4096  
 DW 14.700 usec  
 DE 6.00 usec  
 TE 298.0 K  
 D1 3.0000000 sec  
 d11 0.0300000 sec  
 DELTA 2.9000010 sec  
 TD0 1

==== CHANNEL f1 =====  
 NUC1 13C  
 P1 9.80 usec  
 PL1 -6.00 dB  
 SFO1 125.7520828 MHz

==== CHANNEL f2 =====  
 CPDPRG2 waltz16  
 NUC2 1H  
 PCPD2 100.00 usec  
 PL2 -6.00 dB  
 PL12 10.62 dB  
 PL13 15.00 dB  
 SFO2 500.0517480 MHz

F2 - Processing parameters  
 SI 65536  
 SF 125.7376766 MHz  
 WDW EM  
 SSB 0  
 LB 1.00 Hz  
 GB 0  
 PC 1.00



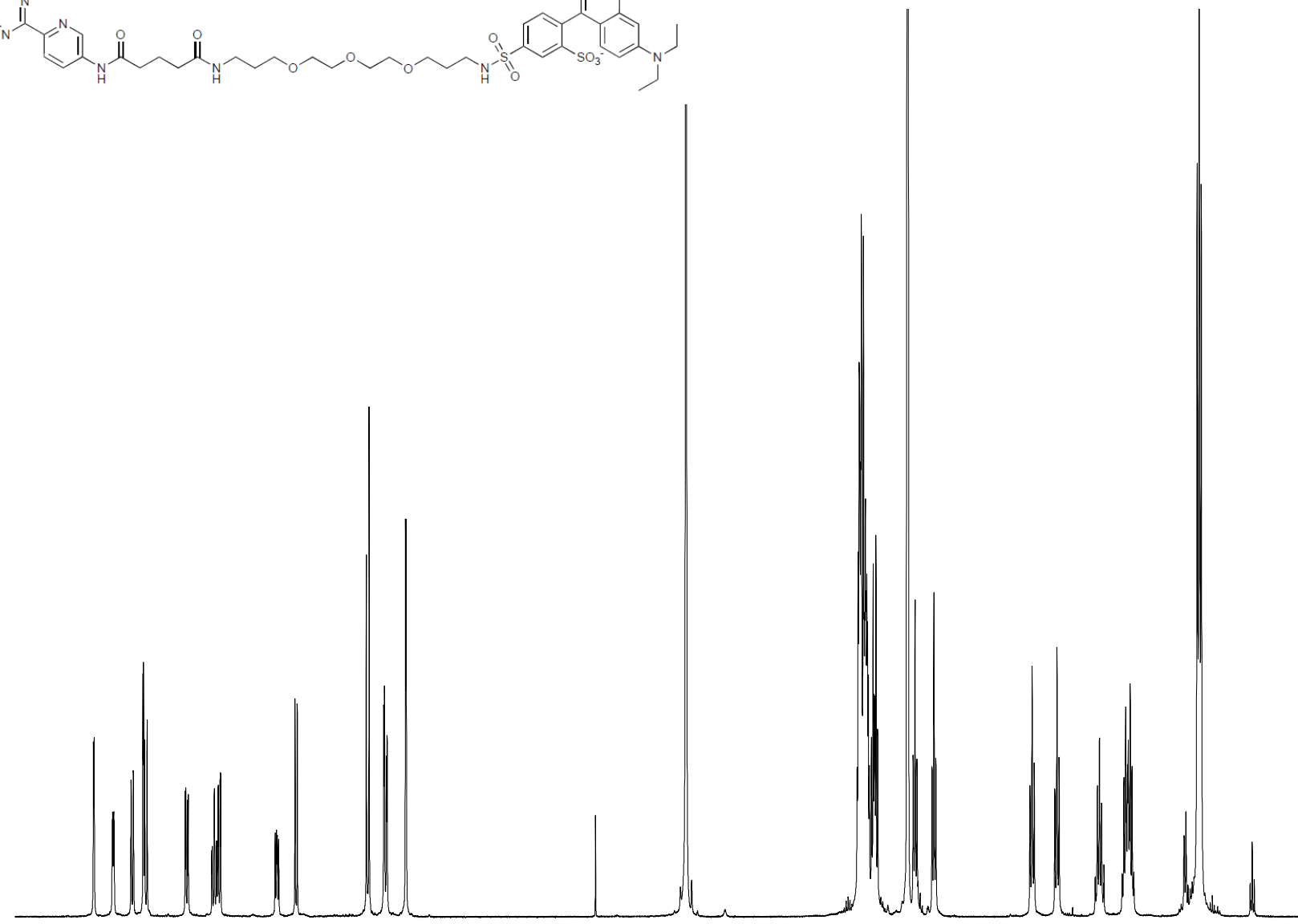


Current Data Parameters  
 NAME fjl-hs451  
 EXPNO 10  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20101117  
 Time 18.50  
 INSTRUM drx500  
 PROBHD 5 mm CPDUL Z-  
 PULPROG zg30  
 TD 65536  
 SOLVENT MeOD  
 NS 16  
 DS 0  
 SWH 8503.401 Hz  
 FIDRES 0.129752 Hz  
 AQ 3.8535669 sec  
 RG 11.3  
 DW 58.800 usec  
 DE 6.00 usec  
 TE 300.0 K  
 D1 2.0000000 sec  
 TD0 1

==== CHANNEL f1 =====  
 NUC1 1H  
 P1 14.75 usec  
 PL1 -6.00 dB  
 SFO1 500.0532723 MHz

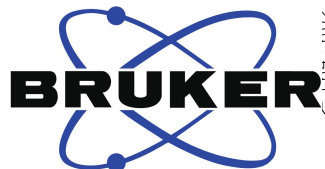
F2 - Processing parameters  
 SI 65536  
 SF 500.0500191 MHz  
 WDW EM  
 SSB 0  
 LB 0.10 Hz  
 GB 0  
 PC 1.00



9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 ppm

0.97 0.99 1.00 2.00 1.03 2.01 0.99 0.98 2.02 2.03 1.97 16.65 4.37 2.21 2.02 1.97 1.97 2.08 4.19 12.43





Current Data Parameters  
NAME fjl-hs451  
EXPNO 11  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20101117  
Time 20.00  
INSTRUM drx500  
PROBHD 5 mm CPDUL Z-  
PULPROG zgpg30  
TD 65536  
SOLVENT MeOD  
NS 1024  
DS 8  
SWH 34013.605 Hz  
FIDRES 0.519006 Hz  
AQ 0.9634292 sec  
RG 4096  
DW 14.700 usec  
DE 6.00 usec  
TE 300.0 K  
D1 3.00000000 sec  
d11 0.03000000 sec  
DELTA 2.90000010 sec  
TD0 1

===== CHANNEL f1 =====  
NUC1 13C  
P1 9.80 usec  
PL1 -6.00 dB  
SFO1 125.7520828 MHz

===== CHANNEL f2 =====  
CPDPRG2 waltz16  
NUC2 1H  
PCPD2 100.00 usec  
PL2 -6.00 dB  
PL12 10.62 dB  
PL13 12.00 dB  
SFO2 500.0517480 MHz

F2 - Processing parameters  
SI 65536  
SF 125.7374977 MHz  
WDW EM  
SSB 0  
LB 1.00 Hz  
GB 0  
PC 1.00

164.442  
164.442  
159.209  
157.747  
157.083  
151.525  
151.239  
147.233  
145.105  
143.978  
142.614  
140.343  
139.524  
135.325  
133.658  
132.558  
129.365  
128.236  
128.143  
127.653  
126.116  
125.578  
115.235  
115.041

96.965

71.581  
71.552  
71.253  
69.955  
69.380

46.825

41.669

37.912

37.003

36.212

30.884

30.329

22.693

12.875

