

**Synthesis of new [1,2,4]triazolo[3,4-*b*][1,3,4]thiadiazines and study of their anti-*Candidal*
and cytotoxic activities**

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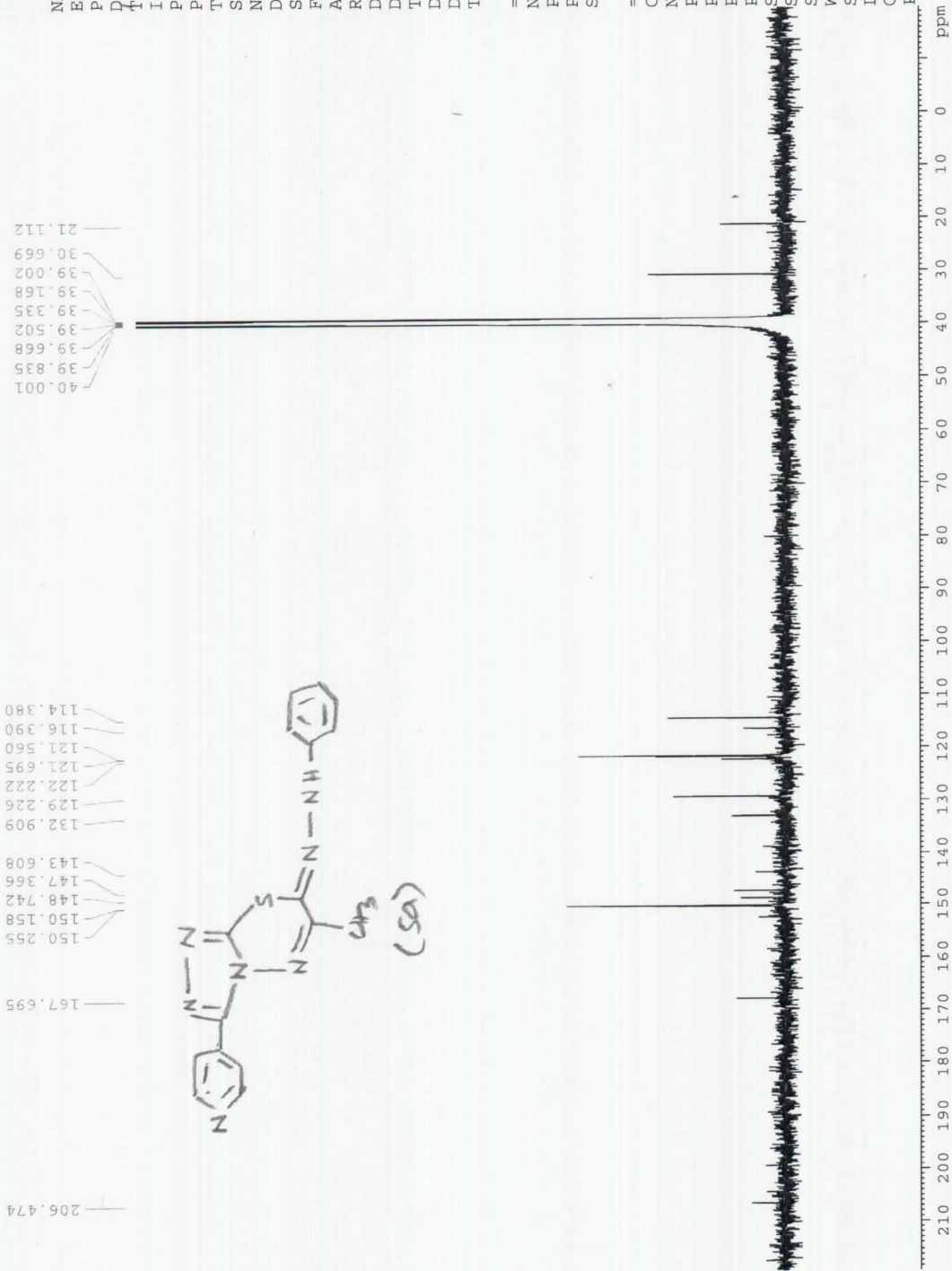
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 PROCNO 1
 Date_ 20140130
 Time_ 10.59
 INSTRUM spect
 PROBHD 5 mm PABBO BB-
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 1024
 DS 4
 SWH 30030.029 Hz
 FIDRES 0.458222 Hz
 AQ 1.0912410 sec
 RG 16384
 DW 16.650 usec
 DE 6.50 usec
 TE 297.5 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

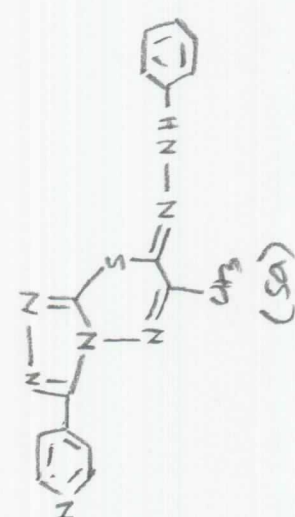
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 CHANNEL f1 =====
 NUC1 13C
 P1 20.00 usec
 PL1 -6.00 dB
 SFO1 125.7703643 MHz

=====
 CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 80.00 usec
 PL2 -1.10 dB
 PL12 13.44 dB
 PL13 16.40 dB
 SFO2 500.1320005 MHz
 SI 32768
 SF 125.7578519 MHz
 WDW EM
 SSB 0
 LB 3.00 Hz
 GB 0
 PC 1.40



40.001
 39.835
 39.668
 39.502
 39.335
 39.168
 39.002
 30.669
 21.112

206.474
 167.695
 150.255
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 114.380

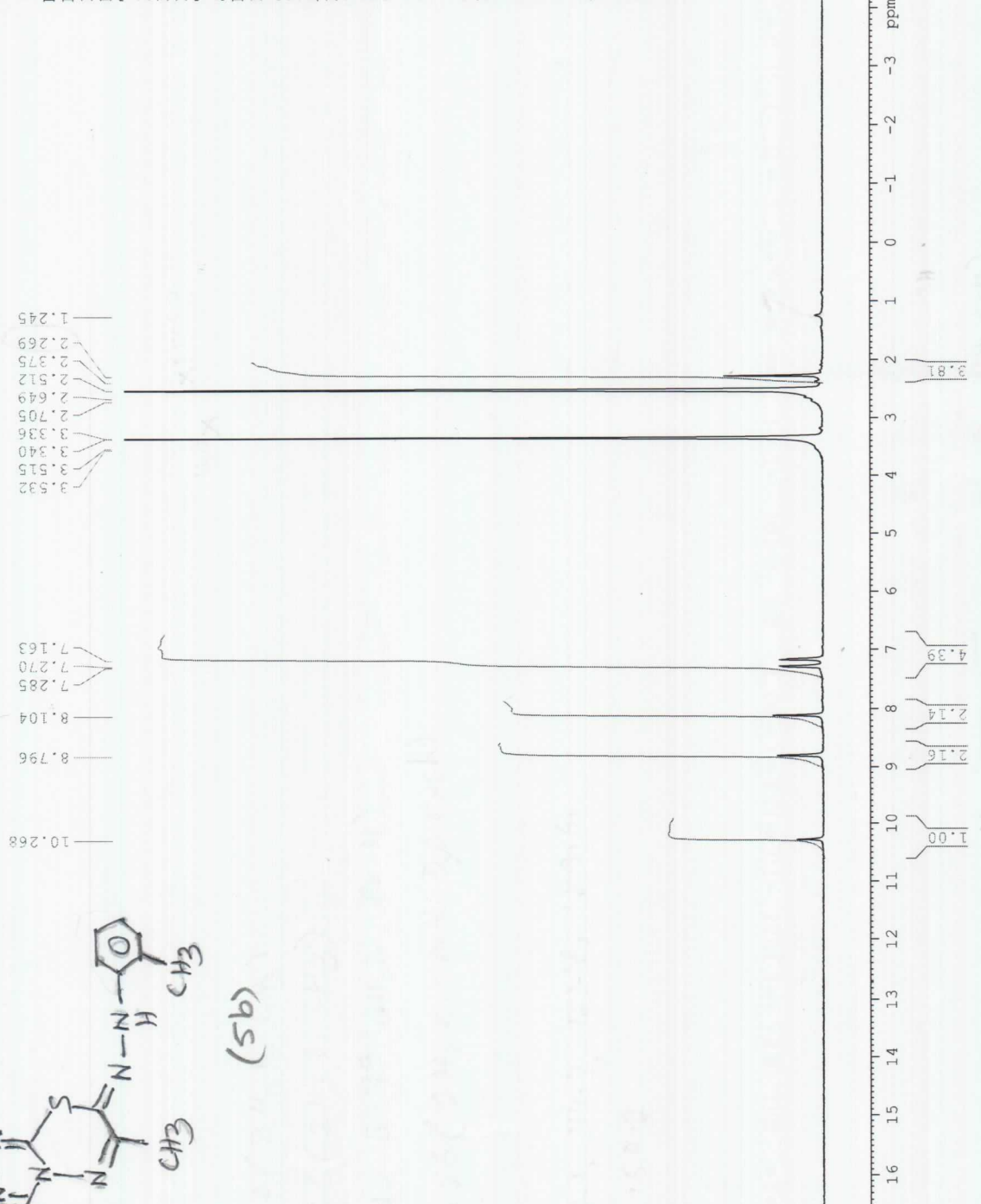
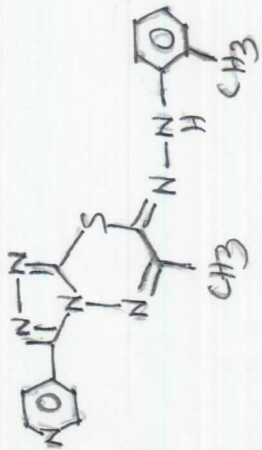


-BBO DMSO D: \ \ m



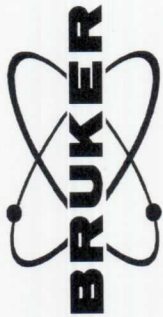
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 PROCNO 1
 Date_ 20111206
 Time 22.01
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 10330.578 Hz
 FIDRES 0.157632 Hz
 AQ 3.1720407 sec
 RG 512
 DW 48.400 usec
 DE 6.50 usec
 TE 297.1 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 1H
 P1 10.50 usec
 PL1 -3.00 dB
 SF01 500.1330885 MHz
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



¹H NMR Spectra of 5b.

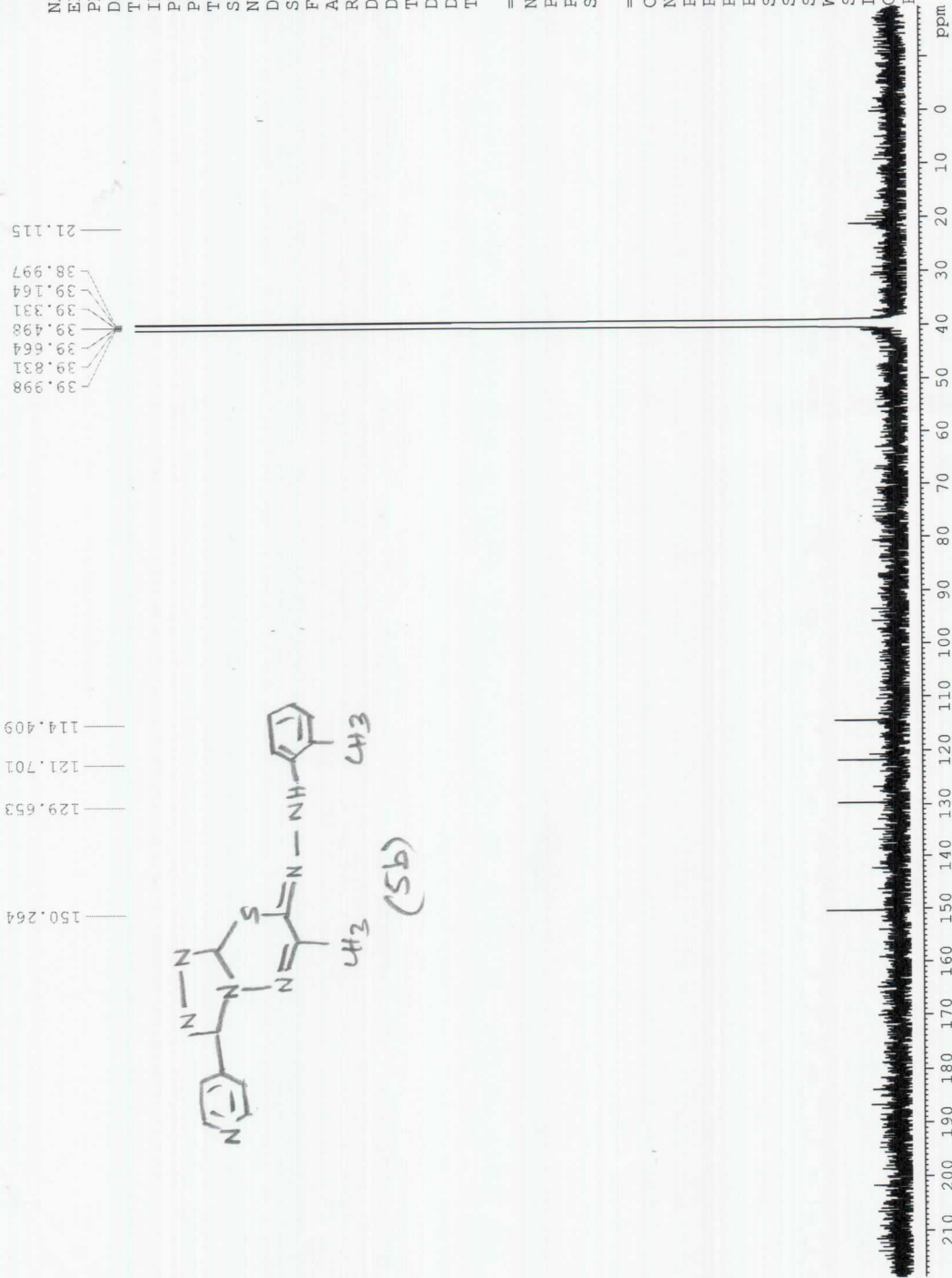
3BO DMSO D:\ \ mmj



NAME drmarshooq-10
 EXPNO 11
 PROCNO 1
 Date_ 20111206
 Time 23.49
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 2048
 DS 4
 SWH 30030.029 Hz
 FIDRES 0.458222 Hz
 AQ 1.0912410 sec
 RG 1625.5
 DW 16.650 usec
 DE 6.50 usec
 TE 297.8 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 5.80 usec
 PL1 -2.00 dB
 SF01 125.7703643 MHz

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 80.00 usec
 PL2 -3.00 dB
 PL12 14.64 dB
 PL13 17.64 dB
 SF02 500.1320005 MHz
 SI 32768
 SF 125.7578519 MHz
 WDW EM
 SSB 0
 LB 3.00 Hz
 GB 0
 PC 1.40



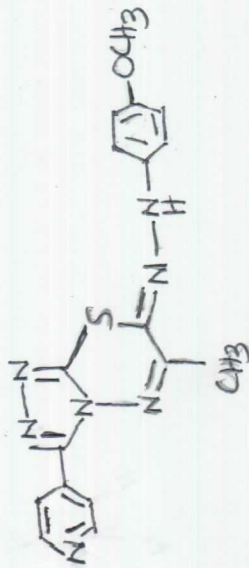
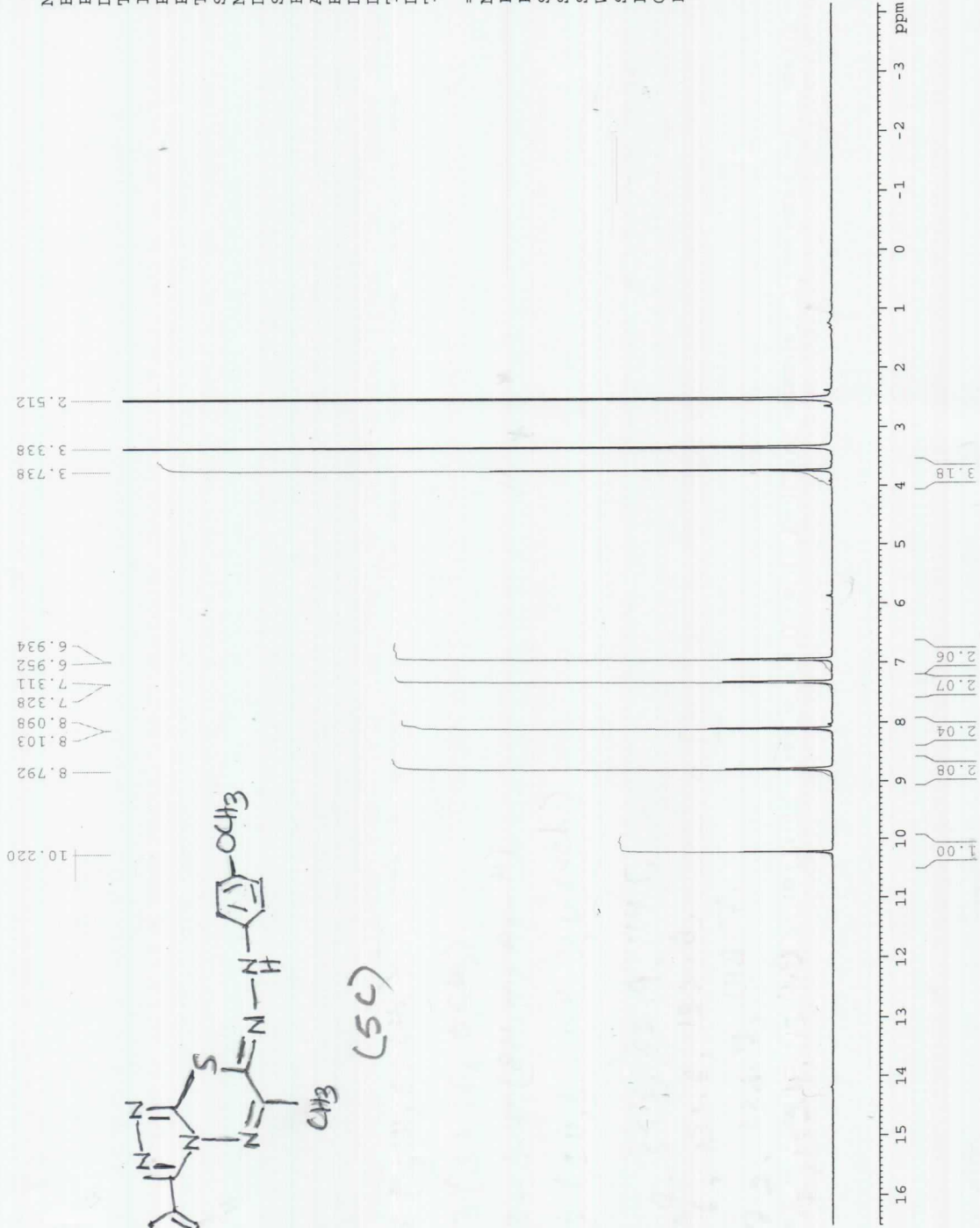
10

-BBO DMSO D: \ \ m



NAME drmashooq-11
 EXPNO 10
 PROCNO 1
 Date 20111206
 Time 20.08
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 10330.578 Hz
 FIDRES 0.157632 Hz
 AQ 3.1720407 sec
 RG 456.1
 DW 48.400 usec
 DE 6.50 usec
 TE 297.0 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 1H
 P1 10.50 usec
 PL1 -3.00 dB
 SF01 500.1330885 MHz
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



(5c)

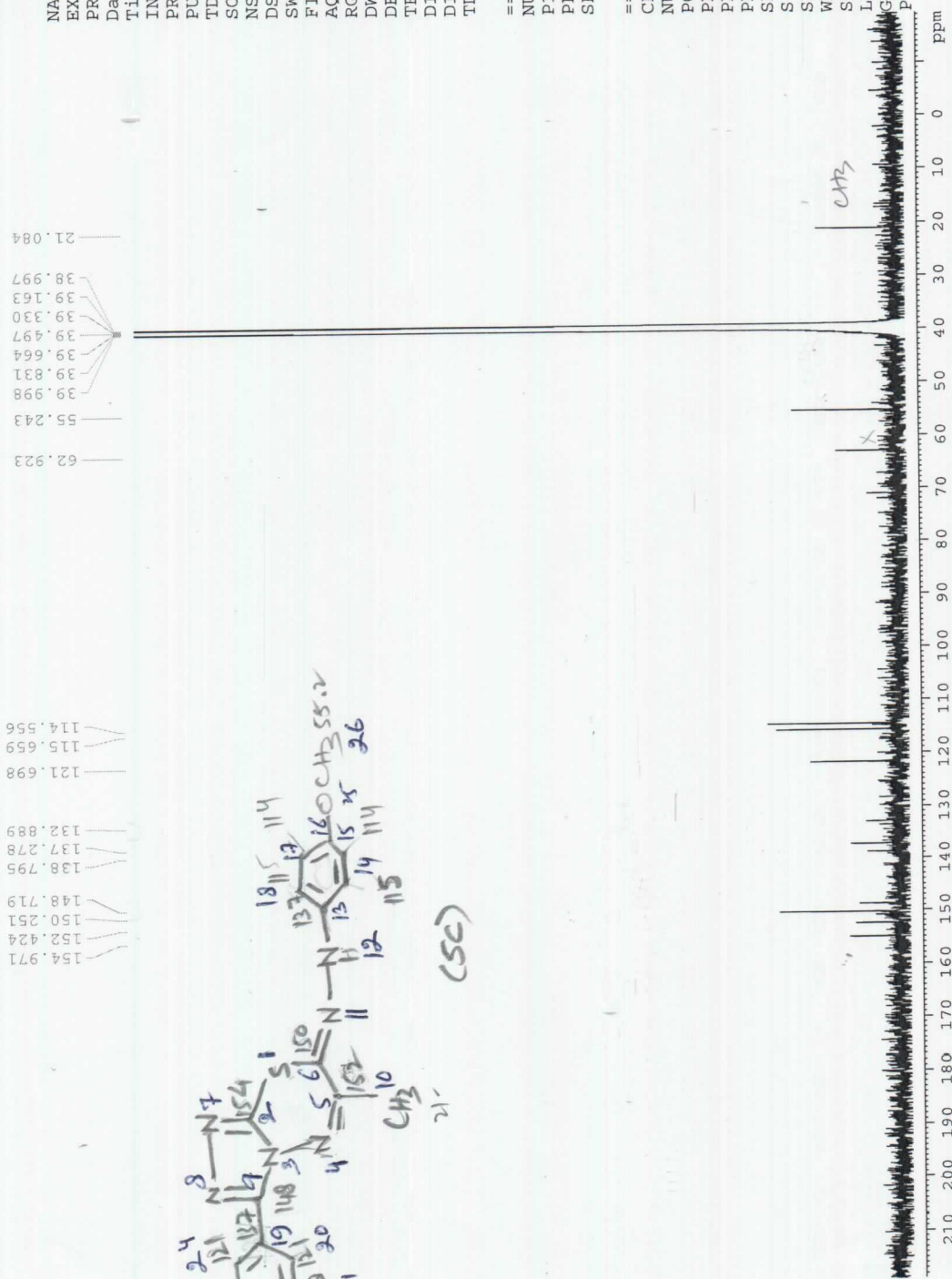
¹H NMR spectra of 5c.

3BO DMSO D: \\ mmj



NAME drmarshooq-11
 EXPNO 11
 PROCNO 1
 Date 20111206
 Time 21.56
 INSTRUM spect
 PROBDH 5 mm BBO BB-1H
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 2048
 DS 4
 SWH 30030.029 Hz
 FIDRES 0.458222 Hz
 AQ 1.0912410 sec
 RG 1625.5
 DW 16.650 usec
 DE 6.50 usec
 TE 297.7 K
 D1 2.0000000 sec
 D11 0.0300000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 5.80 usec
 PL1 -2.00 dB
 SFO1 125.7703643 MHz
 ===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 80.00 usec
 PL2 -3.00 dB
 PL12 14.64 dB
 PL13 17.64 dB
 SFO2 500.1320005 MHz
 SI 32768
 SF 125.7578519 MHz
 WDW EM
 SSB 0
 LB 3.00 Hz
 GB 0
 PC 1.40



13C NMR spectra of 5c.

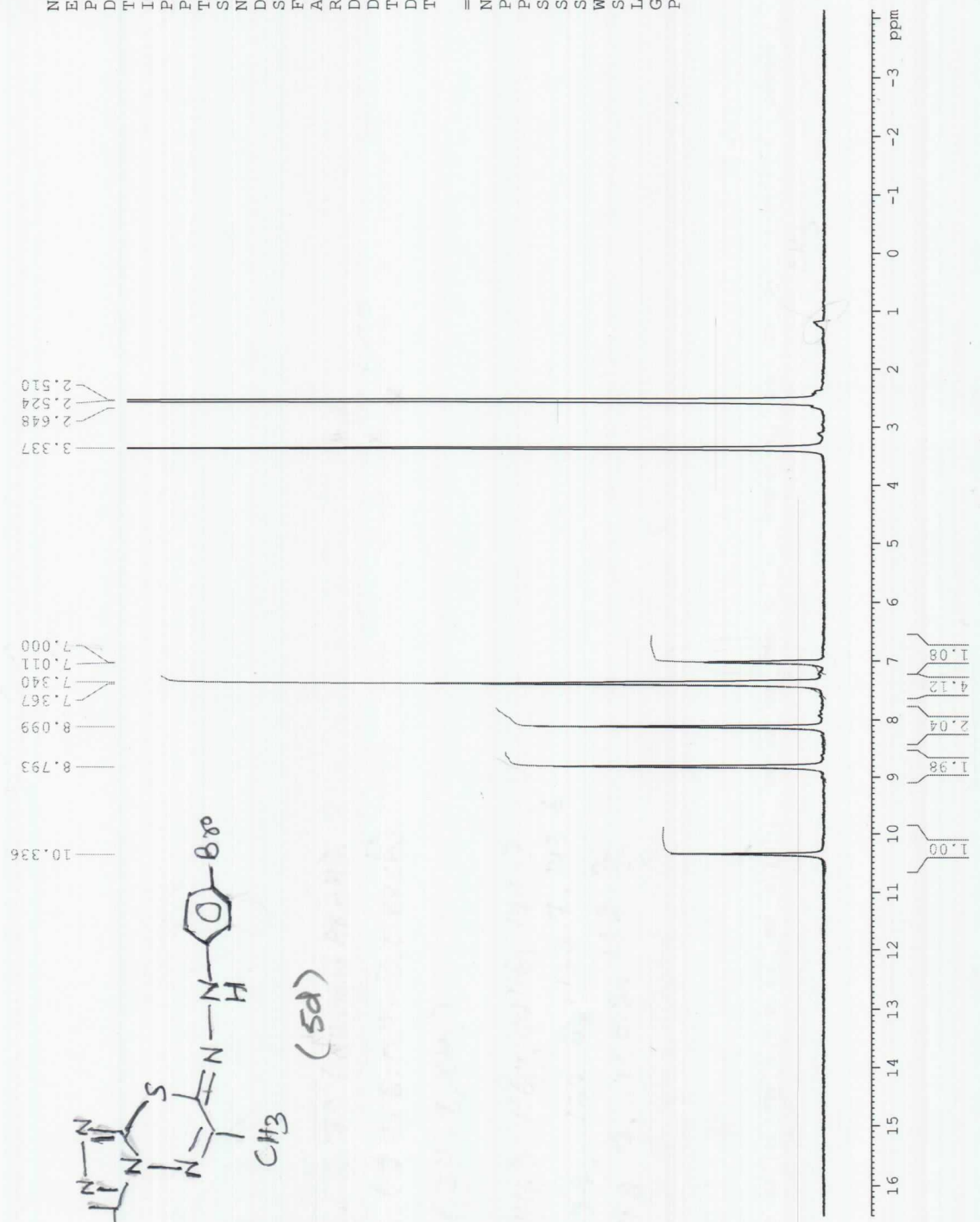
11

-BBO DMSO D:\ \ m



NAME drmashooq-12
 EXPNO 10
 PROCNO 1
 Date_ 20111206
 Time_ 18.16
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 10330.578 Hz
 FIDRES 0.157632 Hz
 AQ 3.1720407 sec
 RG 362
 DW 48.400 usec
 DE 6.50 usec
 TE 296.8 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 10.50 usec
 PL1 -3.00 dB
 SF01 500.1330885 MHz
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



1H NMR spectra of 11

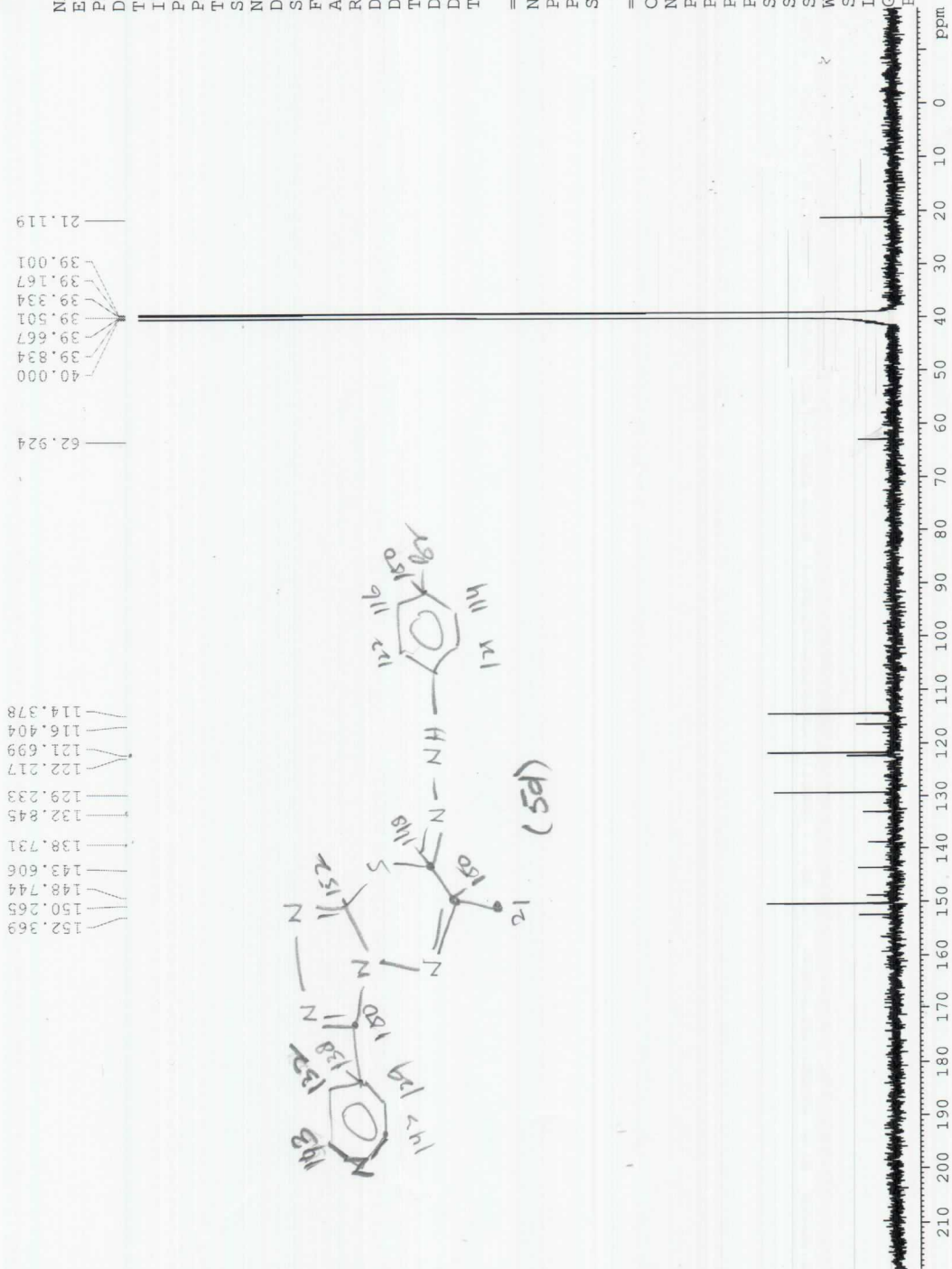
3B0 DMSO D:\ \ mmj



NAME drmarshooq-12
 EXPNO 11
 PROCNO 1
 Date_ 20111206
 Time_ 20.04
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 2048
 DS 4
 SWH 30030.029 Hz
 FIDRES 0.458222 Hz
 AQ 1.0912410 sec
 RG 1625.5
 DW 16.650 usec
 DE 6.50 usec
 TE 297.6 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 5.80 usec
 PL1 -2.00 dB
 SFO1 125.7703643 MHz

==== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 80.00 usec
 PL2 -3.00 dB
 PL12 14.64 dB
 PL13 17.64 dB
 SFO2 500.1320005 MHz
 SI 32768
 SF 125.7578519 MHz
 EM 0
 WDW 0
 SSB 0
 LB 3.00 Hz
 GB 0
 PC 1.40



¹³C NMR spectra of 5d.

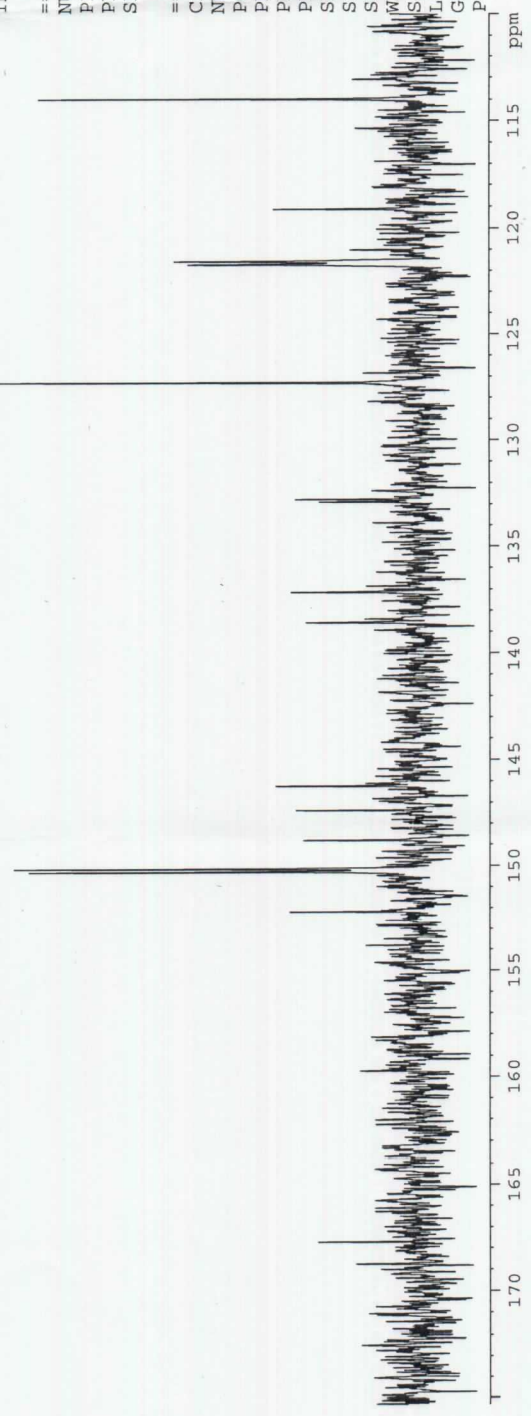
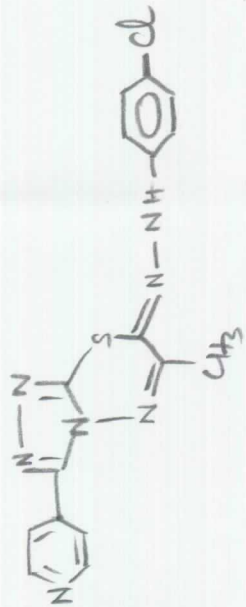
3B0 DMSO D:\ \ mmj



NAME drmarshooq-13
 EXPNO 11
 PROCNO 1
 Date_ 20111206
 Time 18.12
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 2048
 DS 4
 SWH 30030.029 Hz
 FIDRES 0.458222 Hz
 AQ 1.0912410 sec
 RG 1625.5
 DW 16.650 usec
 DE 6.50 usec
 TE 297.3 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 13C
 P1 5.80 usec
 PL1 -2.00 dB
 SF01 125.7703643 MHz
 ===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 80.00 usec
 PL2 -3.00 dB
 PL12 14.64 dB
 PL13 17.64 dB
 SF02 500.1320005 MHz
 ST 32768
 SF 125.7578519 MHz
 WDW EM
 SSB 0
 LB 0
 GB 0
 PC 1.40

167.688
 152.162
 150.288
 150.148
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 146.229
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 113.973



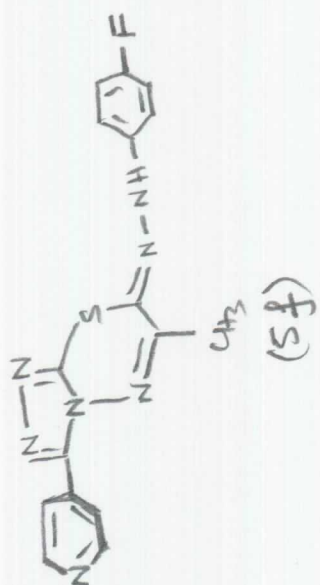
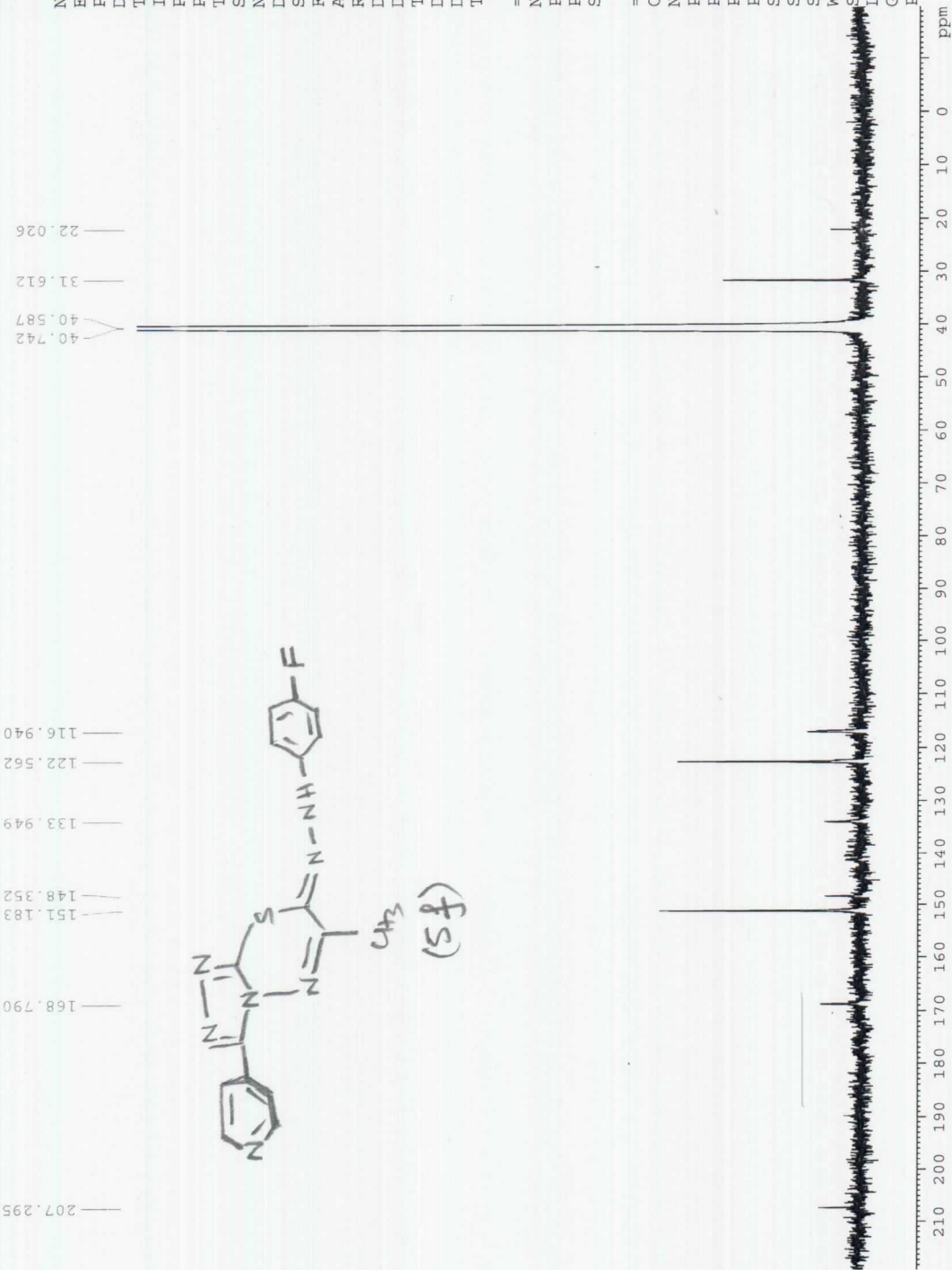
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NAME drmashtooq-5F
EXPNO 11
PROCNO 1
Date_ 20140129
Time 23.28
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1500
DS 4
SWH 30030.029 Hz
FIDRES 0.458222 Hz
AQ 1.0912410 sec
RG 18390.4
DW 16.650 usec
DE 6.50 usec
TE 324.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 13C
P1 20.00 usec
PL1 -6.00 dB
SFO1 125.7703643 MHz

==== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -1.10 dB
PL12 13.44 dB
PL13 16.40 dB
SFO2 500.1320005 MHz
SI 32768
SF 125.7578519 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40



-BBO DMSO D: \\ at



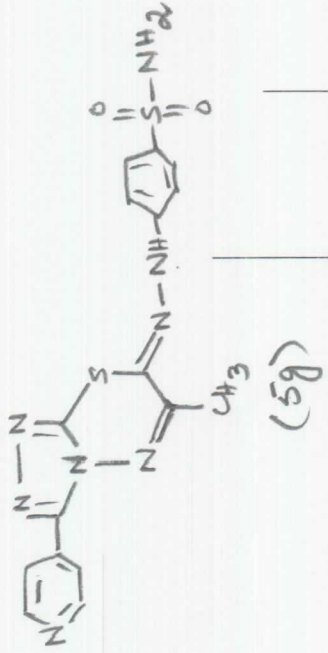
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 PROCNO 1
 Date 20140128
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 INSTRUM spect
 PROBHD 5 mm PABBO BB-
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 1500
 DS 4
 SWH 30030.029 Hz
 FIDRES 0.458222 Hz
 AQ 1.0912410 sec
 RG 18390.4
 DW 16.650 usec
 DE 6.50 usec
 TE 298.4 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

=====
 CHANNEL f1 =====
 NUC1 13C
 P1 20.00 usec
 PL1 -6.00 dB
 SF01 125.7703643 MHz

=====
 CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 80.00 usec
 PL2 -1.10 dB
 PL12 13.44 dB
 PL13 16.40 dB
 SFO2 500.1320005 MHz
 SI 32768
 SF 125.7578519 MHz
 WDW EM
 SSB 0
 LB 3.00 Hz
 GB 0
 PC 1.40

39.999
 39.832
 39.665
 39.498
 39.331
 39.164
 38.998
 38.832
 38.665
 38.498
 38.331
 38.164
 37.998
 37.832
 37.665
 37.498
 37.331
 37.164
 36.998
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 36.665
 36.498
 36.331
 36.164
 35.998
 35.832
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206.455
 167.690
 150.285
 150.148
 148.797
 147.356
 137.143
 132.904
 127.295
 121.710
 121.554
 113.982



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

N-BBO DMSO D:\



NAME dirmashoog-5H
 EXPNO 10
 PROCNO 1
 Date 20140128
 Time 22.54
 INSTRUM spect
 PROBHD 5 mm PABBO BB-
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 10330.578 Hz
 FIDRES 0.157632 Hz
 AQ 3.1720407 sec
 RG 181
 DW 48.400 usec
 DE 6.50 usec
 TE 297.5 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 NUC1 1H
 P1 14.70 usec
 PL1 -1.10 dB
 SFO1 500.1330885 MHz
 SI 32768
 SF 500.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

