

RSC Advances

**A multicomponent reaction of 2-aminoimidazoles:
Microwave-assisted synthesis of novel 5-aza-7-deaza-adenines
(Electronic Supplementary Information)**

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X-Ray crystallographic data for **6i**

Table S1

Details of the specified intermolecular interactions (A–B...B; Å, °) in **6i**:

A	H	B	A–B	H...B	A...B	A–H...B	symmetry
N5	H1N	N2	0.881(9)	2.095(9)	2.9742(10)	176.5(12)	1-x, -y, 1-z
N5	H2N	N1	0.879(11)	2.121(11)	2.9872(10)	168.4(11)	x, 1/2-y, -1/2+z
C13	H13B	O1	0.98	2.45	3.3135(11)	147	2-x, 2-y, 1-z
C13	H13C	N4	0.98	2.57	3.4871(12)	156	2-x, 1/2+y, 3/2-z

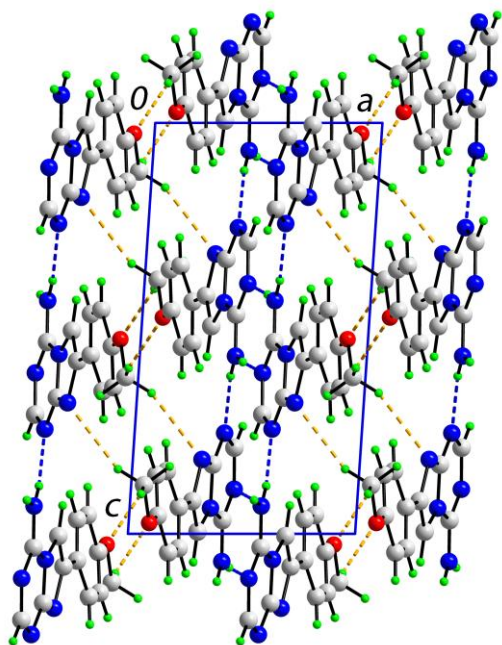
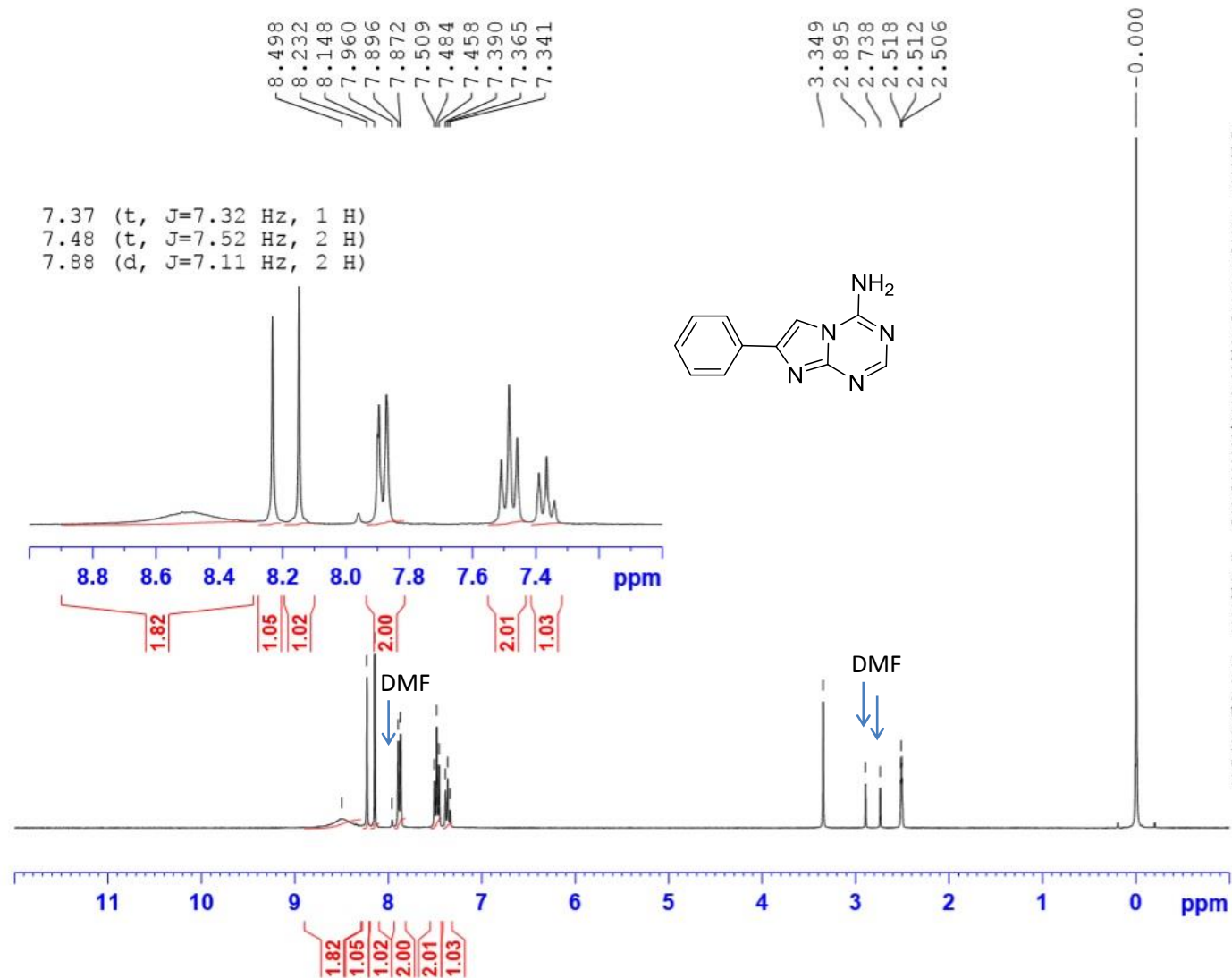


Figure S1. A view of the unit cell contents of **6i** shown in projection down the b-axis. The amine-N–H...N hydrogen bonding (blue dashed lines) leads to supramolecular layers parallel to [0 0 1] and these are connected into a three-dimensional architecture via methyl-C–H...O(methoxy) and methyl-C–H...N(imidazo) non-conventional hydrogen bonding (orange dashed lines).

4-Amino-7-phenylimidazo[1,2-a][1,3,5]triazine (6a)

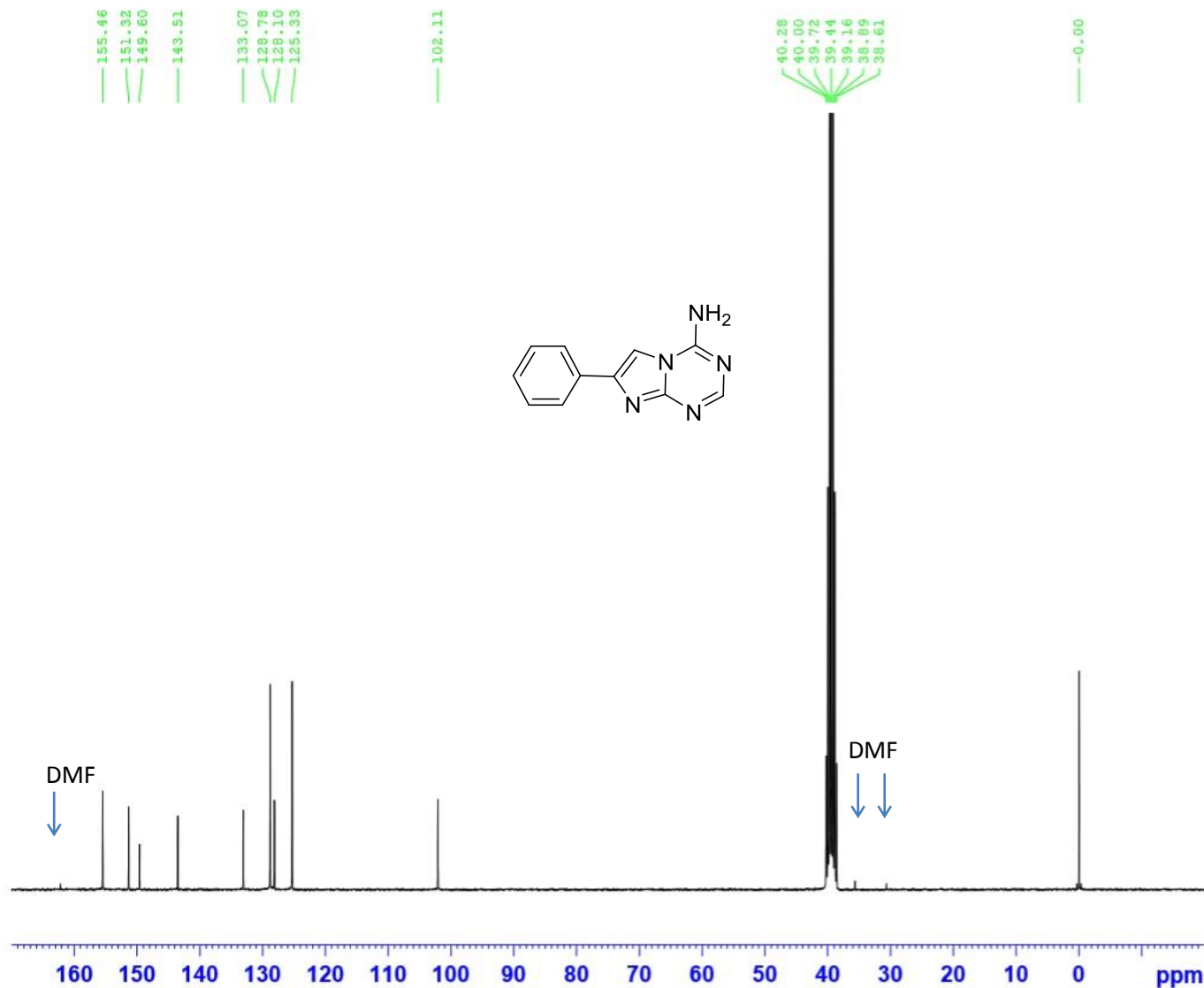


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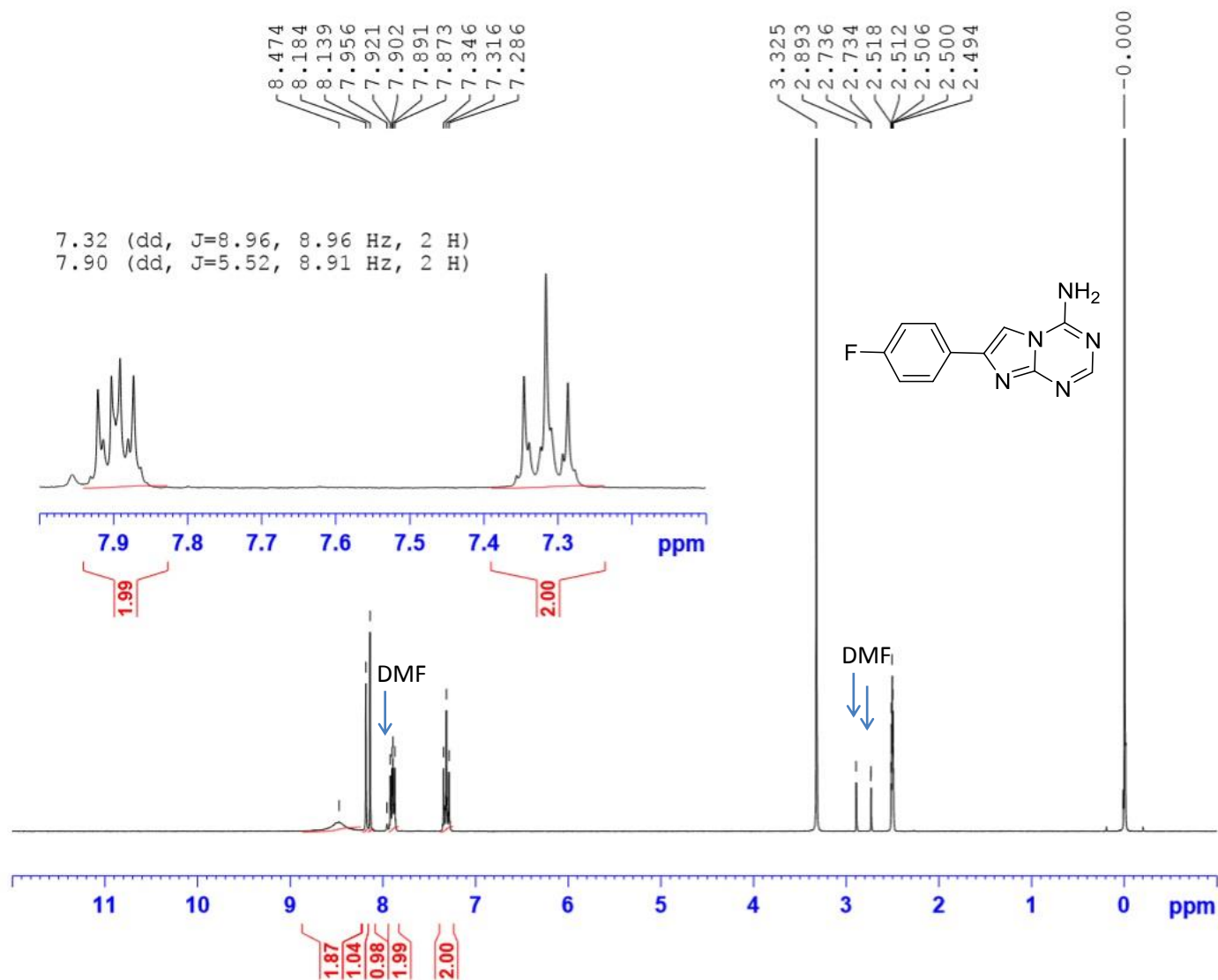
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 NUC2 1H
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 PCPD2 98.00 usec
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 PLW12 0.29359001 W
 PLW13 0.20359001 W

F2 - Processing parameters
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4-Amino-7-(4-fluorophenyl)imidazo[1,2-a][1,3,5]triazine (6b)

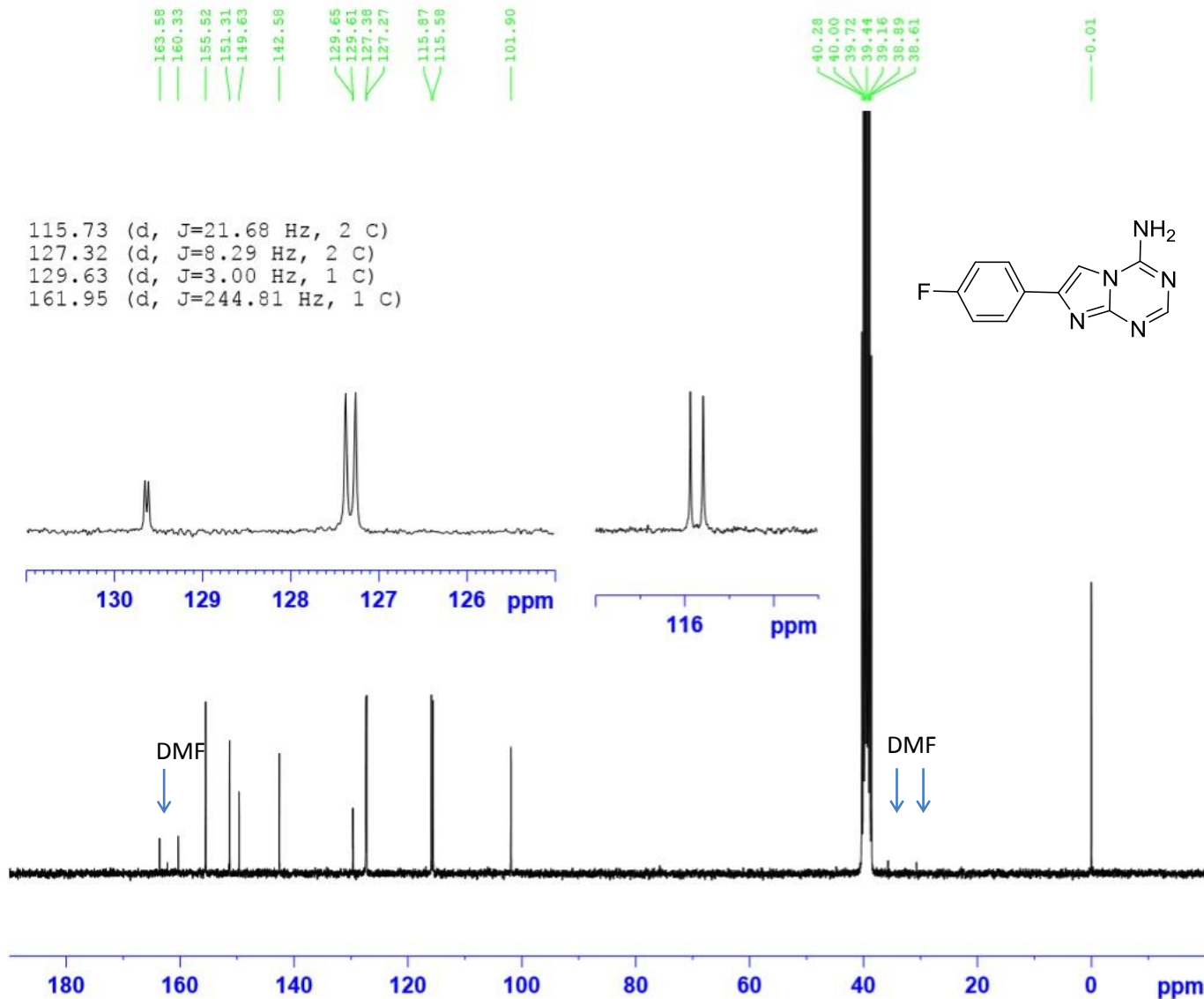


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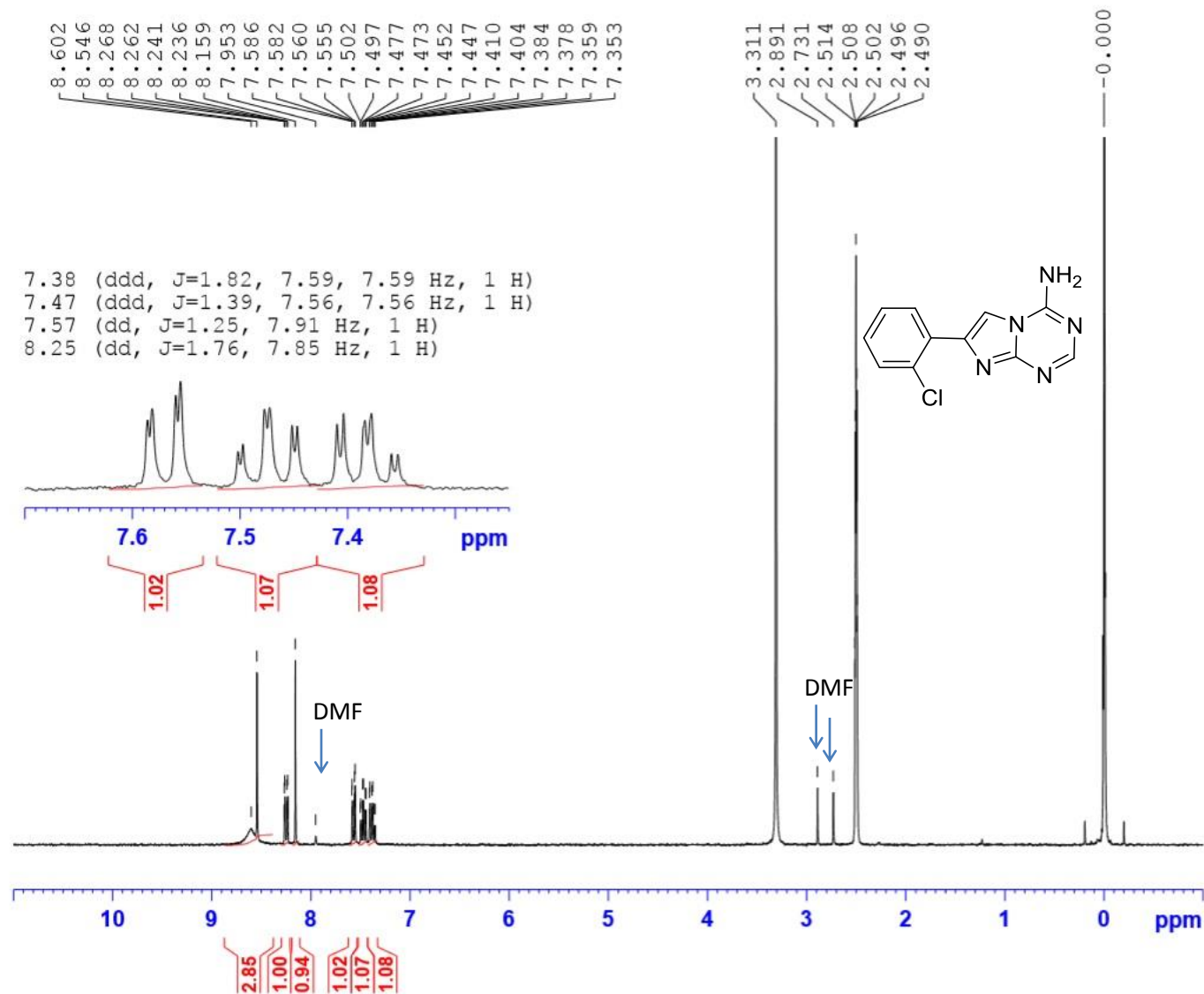
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 D31 0.00001500 sec
 D40 0.00439029 sec
 L4 37
 L5 53
 P32 98.00 usec
 TD0 18

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 NUC1 13C
 P1 15.00 usec
 PLW1 22.00000000 W

===== CHANNEL f2 =====
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 NUC2 1H
 CPDPRG[2] waltz16
 PCPD2 98.00 usec
 PLW2 9.30000019 W
 PLW12 0.29359001 W
 PLW13 0.20359001 W

F2 - Processing parameters
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 SF 75.4753346 MHz
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 GB 0
 PC 1.40

4-Amino-7-(2-chlorophenyl)imidazo[1,2-a][1,3,5]triazine (6c)



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 SWH 6103.516 Hz
 FIDRES 0.093132 Hz
 AQ 5.3687091 sec
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 DE 6.50 usec
 TE 300.1 K
 D1 1.00000000 sec
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 NUC1 1H
 P1 13.50 usec
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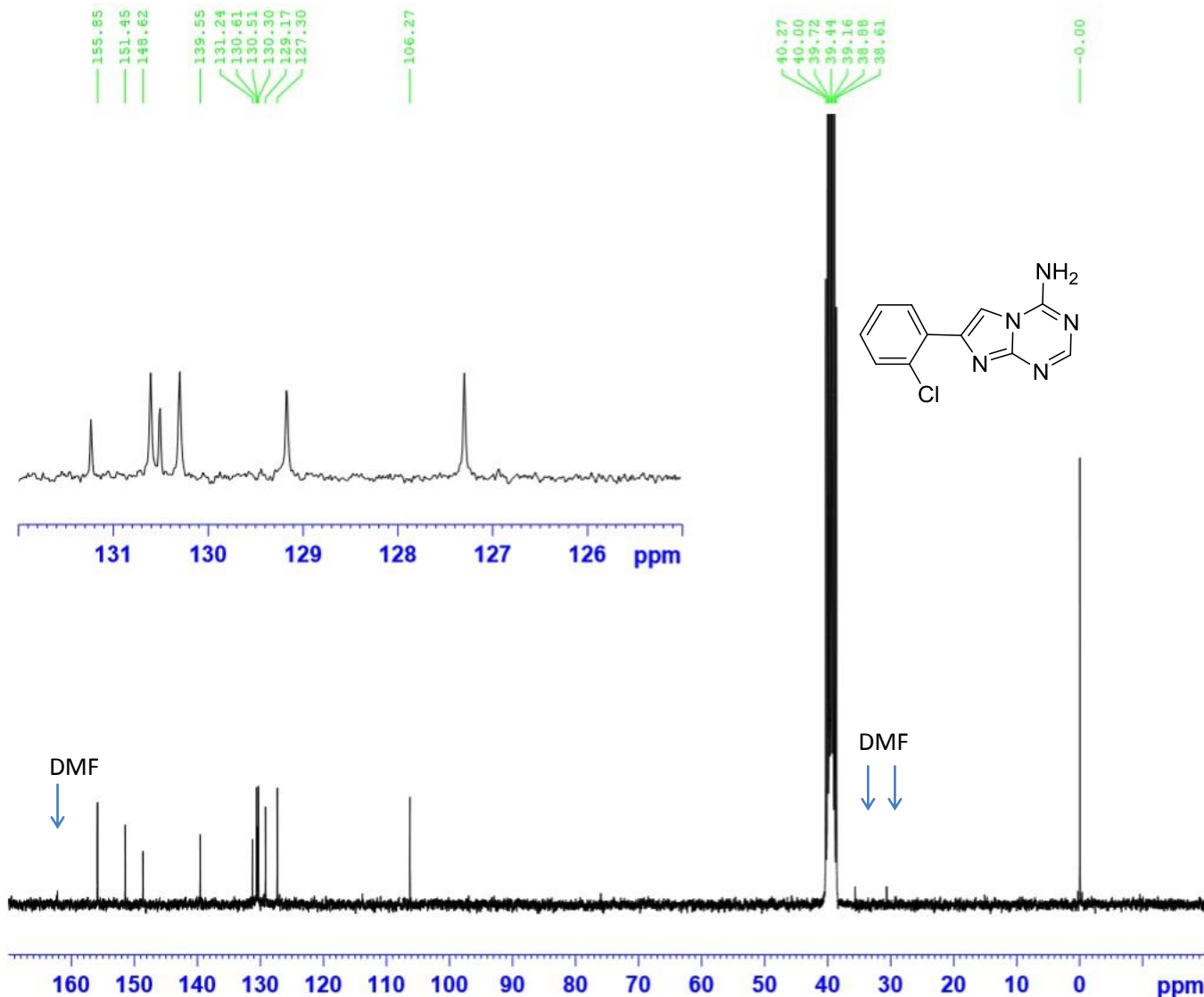
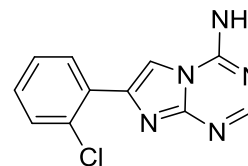
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 RG 501.187
 DW 20.480 usec
 DE 6.50 usec
 TE 300.0 K
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 D31 0.00001500 sec
 D40 0.00439029 sec
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 L5 53
 P32 98.00 usec
 TD0 14

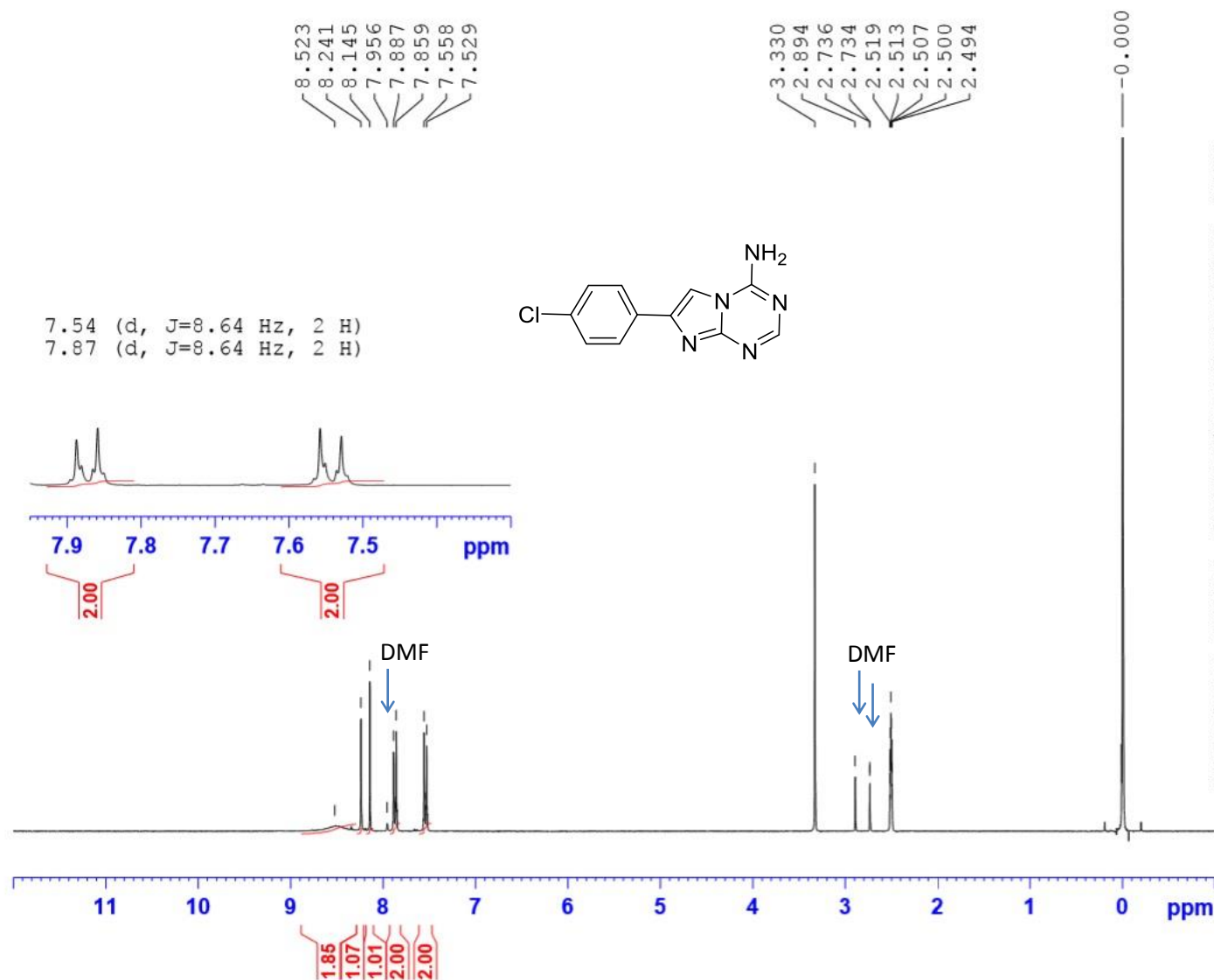
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 NUC1 13C
 P1 15.00 usec
 PLW1 22.00000000 W

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 NUC2 1H
 CPDPRG[2] waltz16
 PCPD2 98.00 usec
 PLW2 9.30000019 W
 PLW12 0.29359001 W
 PLW13 0.20359001 W

F2 - Processing parameters
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 SF 75.4753350 MHz
 WDW EM
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 GB 0
 PC 1.40



4-Amino-7-(4-chlorophenyl)imidazo[1,2-a][1,3,5]triazine (6d)

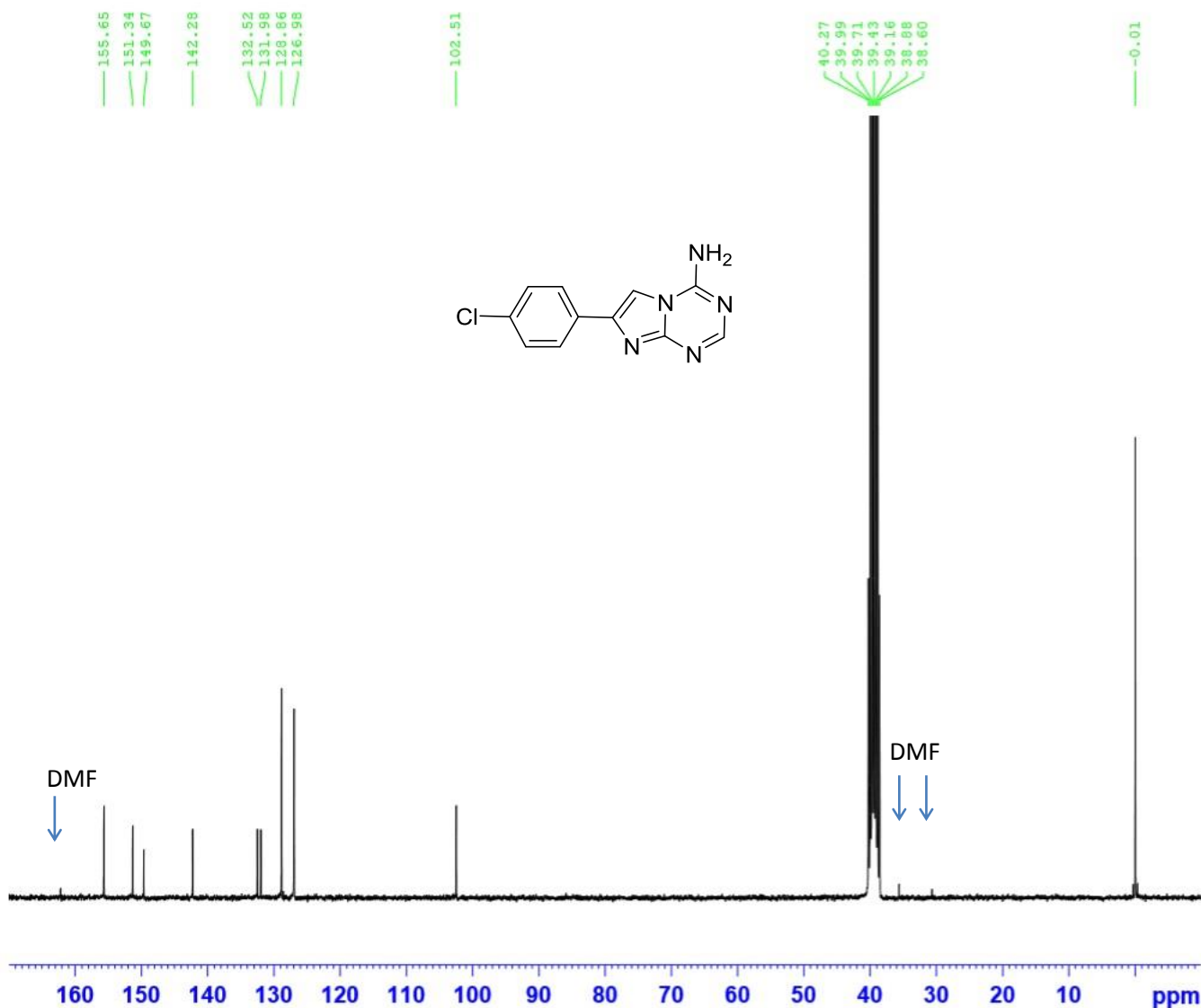


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SOLVENT DMSO
NS 16
DS 2
SWH 6103.516 Hz
FIDRES 0.093132 Hz
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RG 101.062
DW 81.920 usec
DE 6.50 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
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NUC1 1H
P1 13.50 usec
PLW1 9.30000019 W

F2 - Processing parameters
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LB 0.30 Hz
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PC 1.00



Current Data Parameters
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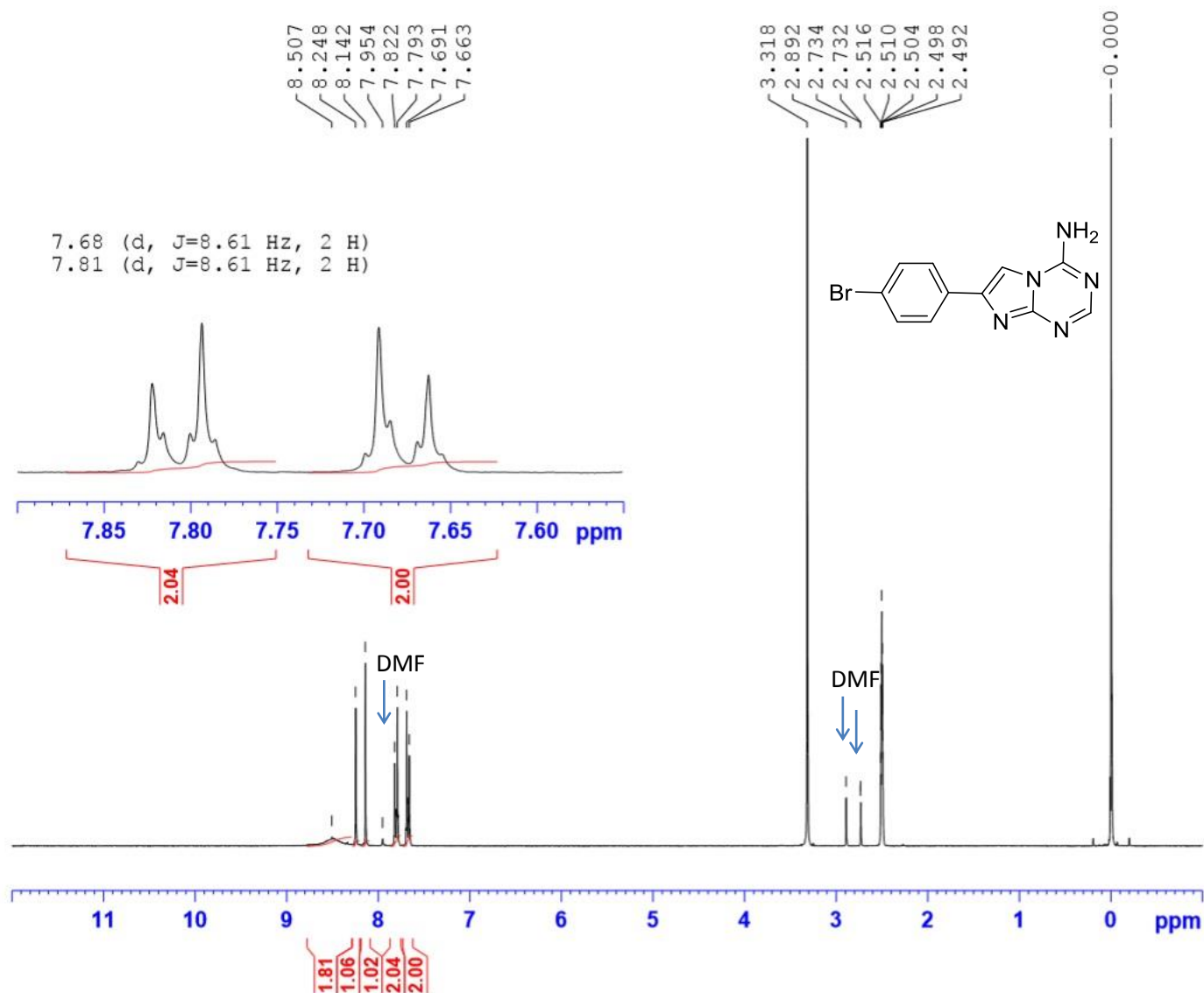
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 NS 16384
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 FIDRES 0.372529 Hz
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 DE 6.50 usec
 TE 298.2 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 D31 0.00001500 sec
 D40 0.00439029 sec
 L4 37
 L5 53
 P32 98.00 usec
 TD0 16

===== CHANNEL f1 =====
 SFO1 75.4828392 MHz
 NUC1 13C
 P1 15.00 usec
 PLW1 22.00000000 W

===== CHANNEL f2 =====
 SFO2 300.1612006 MHz
 NUC2 1H
 CPDPRG[2] waltz16
 PCPD2 98.00 usec
 PLW2 9.30000019 W
 PLW12 0.29359001 W
 PLW13 0.20359001 W

F2 - Processing parameters
 SI 32768
 SF 75.4753347 MHz
 WDW EM
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 PC 1.40

4-Amino-7-(4-bromophenyl)imidazo[1,2-a][1,3,5]triazine (6e)

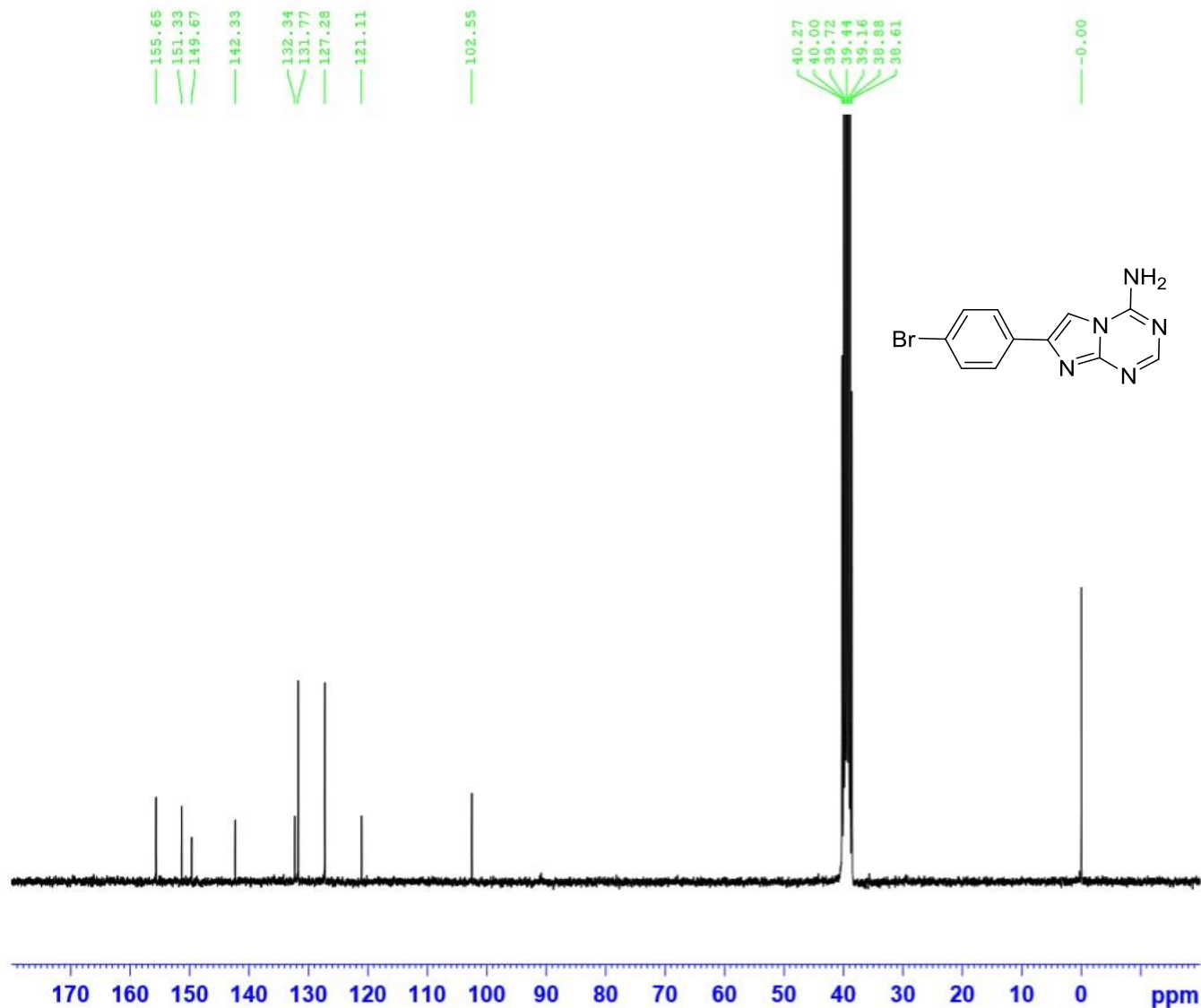


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TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6103.516 Hz
FIDRES 0.093132 Hz
AQ 5.3687091 sec
RG 162.655
DW 81.920 usec
DE 6.50 usec
TE 300.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 300.1618536 MHz
NUC1 1H
P1 13.50 usec
PLW1 9.30000019 W

F2 - Processing parameters
SI 65536
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GB 0
PC 1.00



Current Data Parameters
 NAME FL196
 EXPNO 2
 PROCNO 1

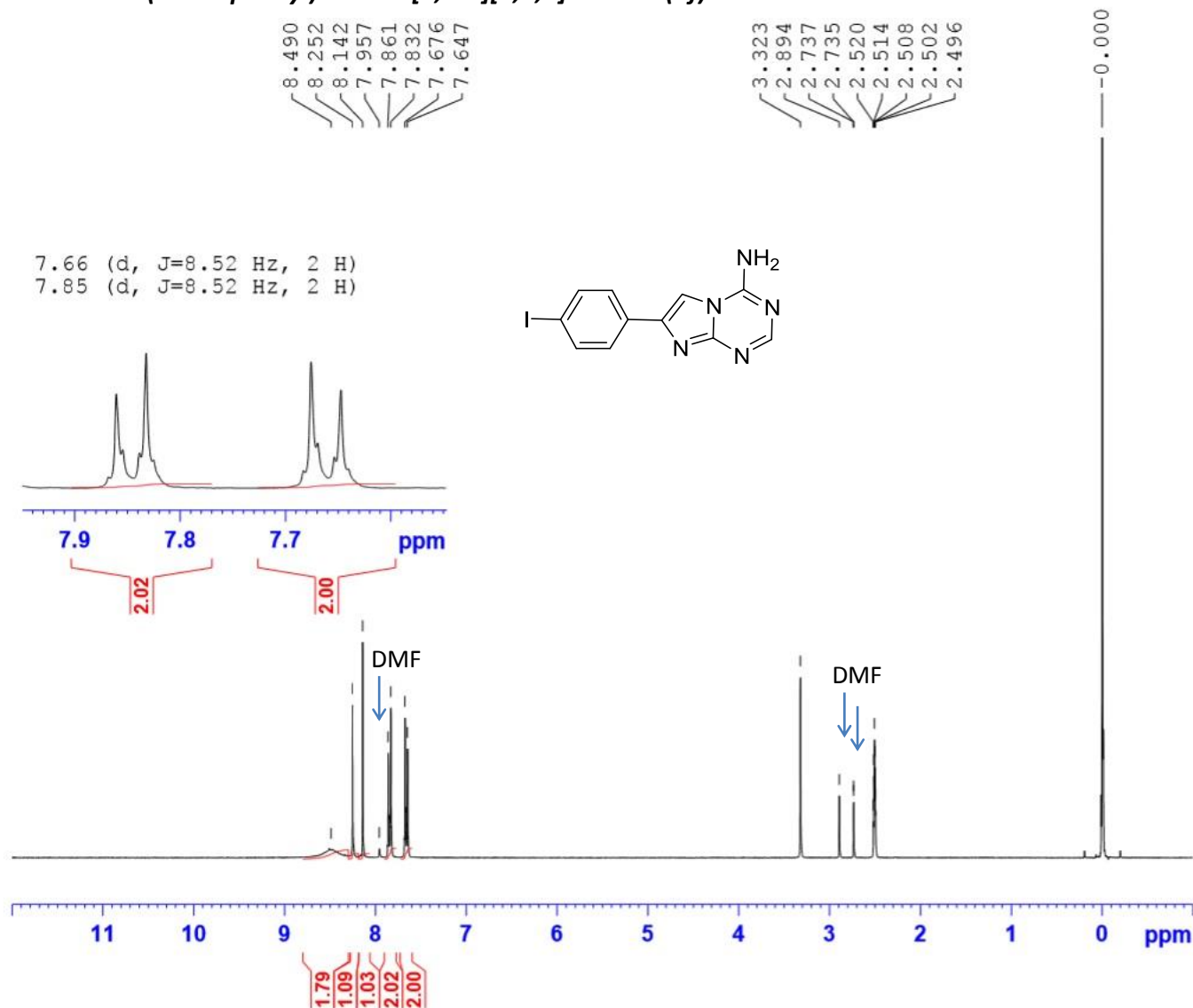
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 SOLVENT DMSO
 NS 18432
 DS 4
 SWH 24414.063 Hz
 FIDRES 0.372529 Hz
 AQ 1.3421773 sec
 RG 501.187
 DW 20.480 usec
 DE 6.50 usec
 TE 300.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 D31 0.00001500 sec
 D40 0.00439029 sec
 L4 37
 L5 53
 P32 98.00 usec
 TD0 18

===== CHANNEL f1 =====
 SFO1 75.4828392 MHz
 NUC1 13C
 P1 15.00 usec
 PLW1 22.00000000 W

===== CHANNEL f2 =====
 SFO2 300.1612006 MHz
 NUC2 1H
 CPDPRG[2] waltz16
 PCPD2 98.00 usec
 PLW2 9.30000019 W
 PLW12 0.29359001 W
 PLW13 0.20359001 W

F2 - Processing parameters
 SI 32768
 SF 75.4753350 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

4-Amino-7-(4-iodophenyl)imidazo[1,2-a][1,3,5]triazine (6f)

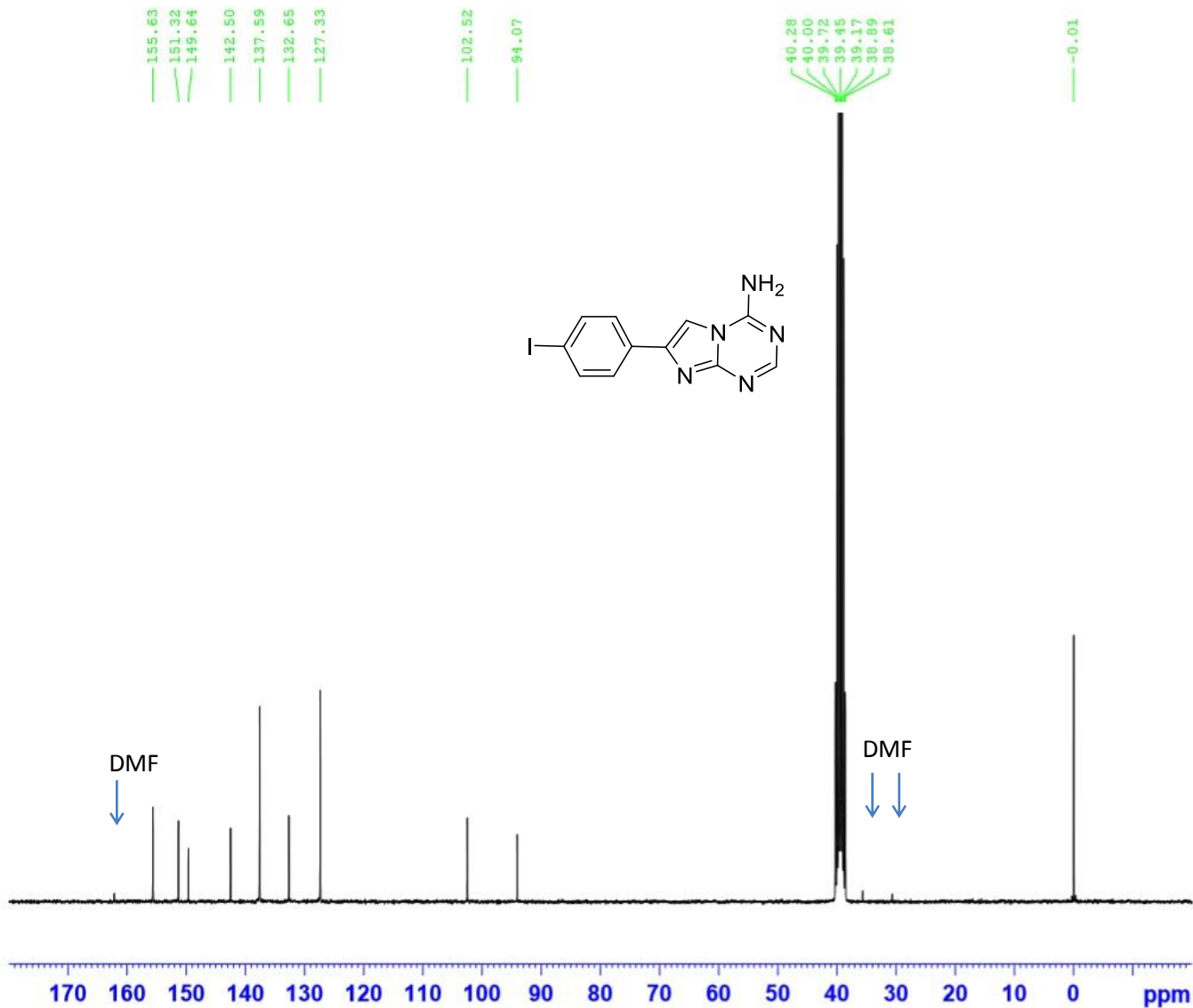


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SOLVENT DMSO
NS 16
DS 2
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FIDRES 0.093132 Hz
AQ 5.3687091 sec
RG 115.995
DW 81.920 usec
DE 6.50 usec
TE 300.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
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NUC1 1H
P1 13.50 usec
PLW1 9.30000019 W

F2 - Processing parameters
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PC 1.00



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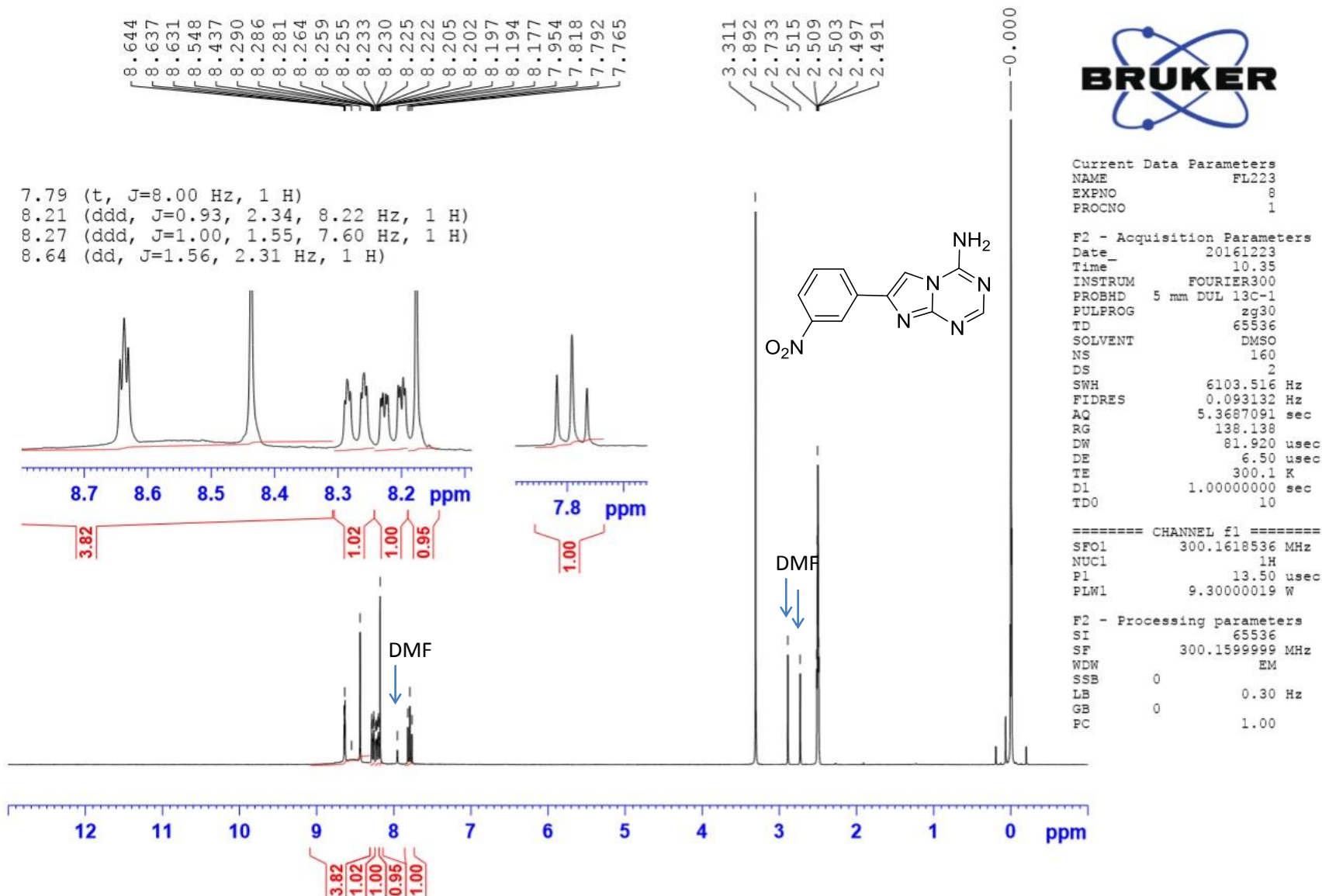
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 SOLVENT DMSO
 NS 16384
 DS 4
 SWH 24414.063 Hz
 FIDRES 0.372529 Hz
 AQ 1.3421773 sec
 RG 501.187
 DW 20.480 usec
 DE 6.50 usec
 TE 300.1 K
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 D31 0.00001500 sec
 D40 0.00439029 sec
 L4 37
 L5 53
 P32 98.00 usec
 TD0 16

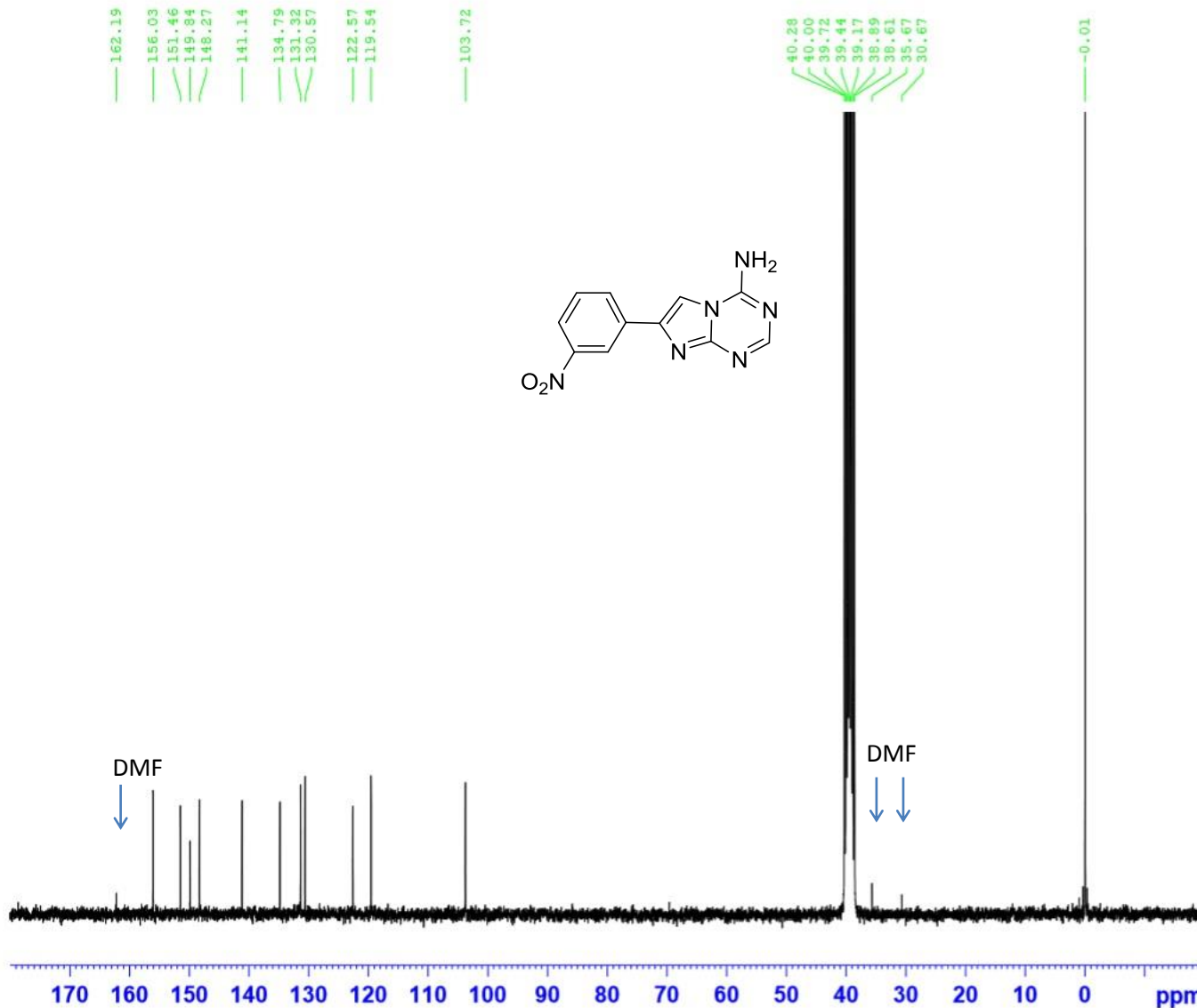
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 PLW1 22.00000000 W

===== CHANNEL f2 =====
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 NUC2 1H
 CPDPRG[2] waltz16
 PCPD2 98.00 usec
 PLW2 9.30000019 W
 PLW12 0.29359001 W
 PLW13 0.20359001 W

F2 - Processing parameters
 SI 32768
 SF 75.4753350 MHz
 WDW EM
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 LB 1.00 Hz
 GB 0
 PC 1.40

4-Amino-7-(3-nitrophenyl)imidazo[1,2-a][1,3,5]triazine (6g)





Current Data Parameters
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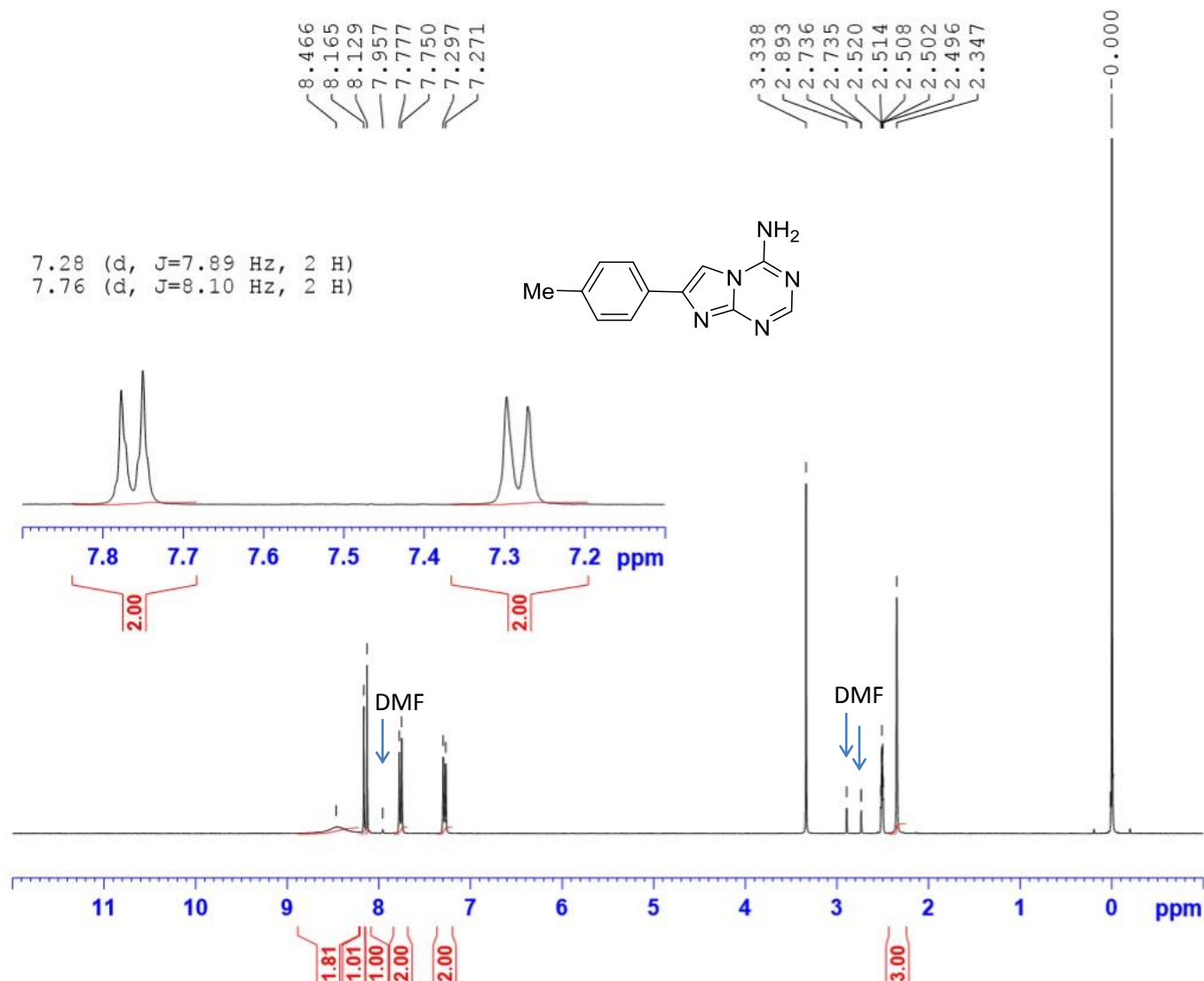
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 FIDRES 0.372529 Hz
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 RG 501.187
 DW 20.480 usec
 DE 6.50 usec
 TE 300.1 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 D31 0.00001500 sec
 D40 0.00439029 sec
 L4 37
 L5 53
 P32 98.00 usec
 TD0 17

===== CHANNEL f1 =====
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 NUC1 13C
 P1 15.00 usec
 PLW1 22.00000000 W

===== CHANNEL f2 =====
 SFO2 300.1612006 MHz
 NUC2 1H
 CPDPRG[2] waltz16
 PCPD2 98.00 usec
 PLW2 9.30000019 W
 PLW12 0.29359001 W
 PLW13 0.20359001 W

F2 - Processing parameters
 SI 32768
 SF 75.4753350 MHz
 WDW EM
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 GB 0
 PC 1.40

4-Amino-7-(4-methylphenyl)imidazo[1,2-a][1,3,5]triazine (6h)

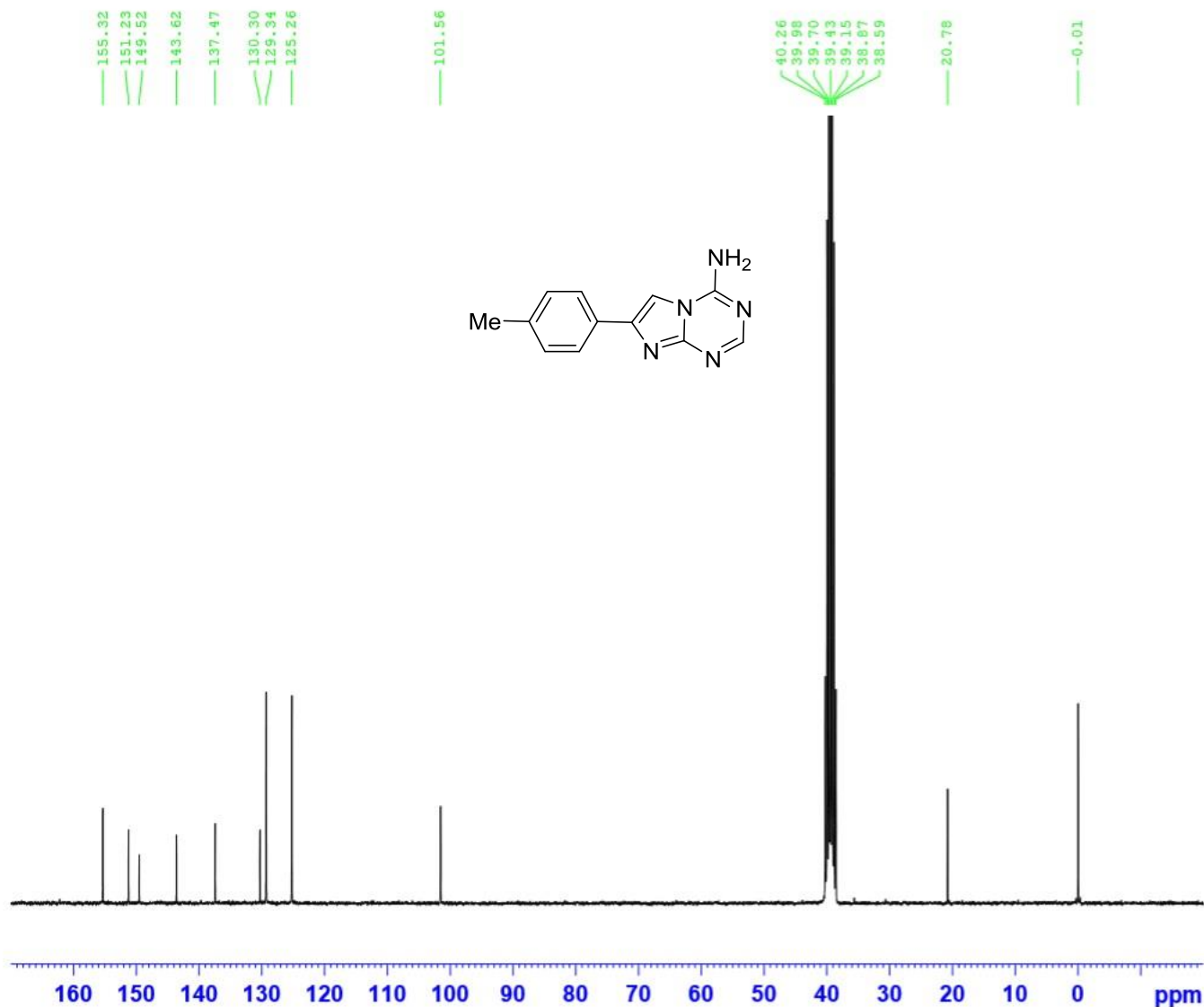


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 SOLVENT DMSO
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 FIDRES 0.093132 Hz
 AQ 5.3687091 sec
 RG 98.9769
 DW 81.920 usec
 DE 6.50 usec
 TE 298.0 K
 D1 1.00000000 sec
 TD0 1

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 NUC1 1H
 P1 13.50 usec
 PLW1 9.30000019 W

F2 - Processing parameters
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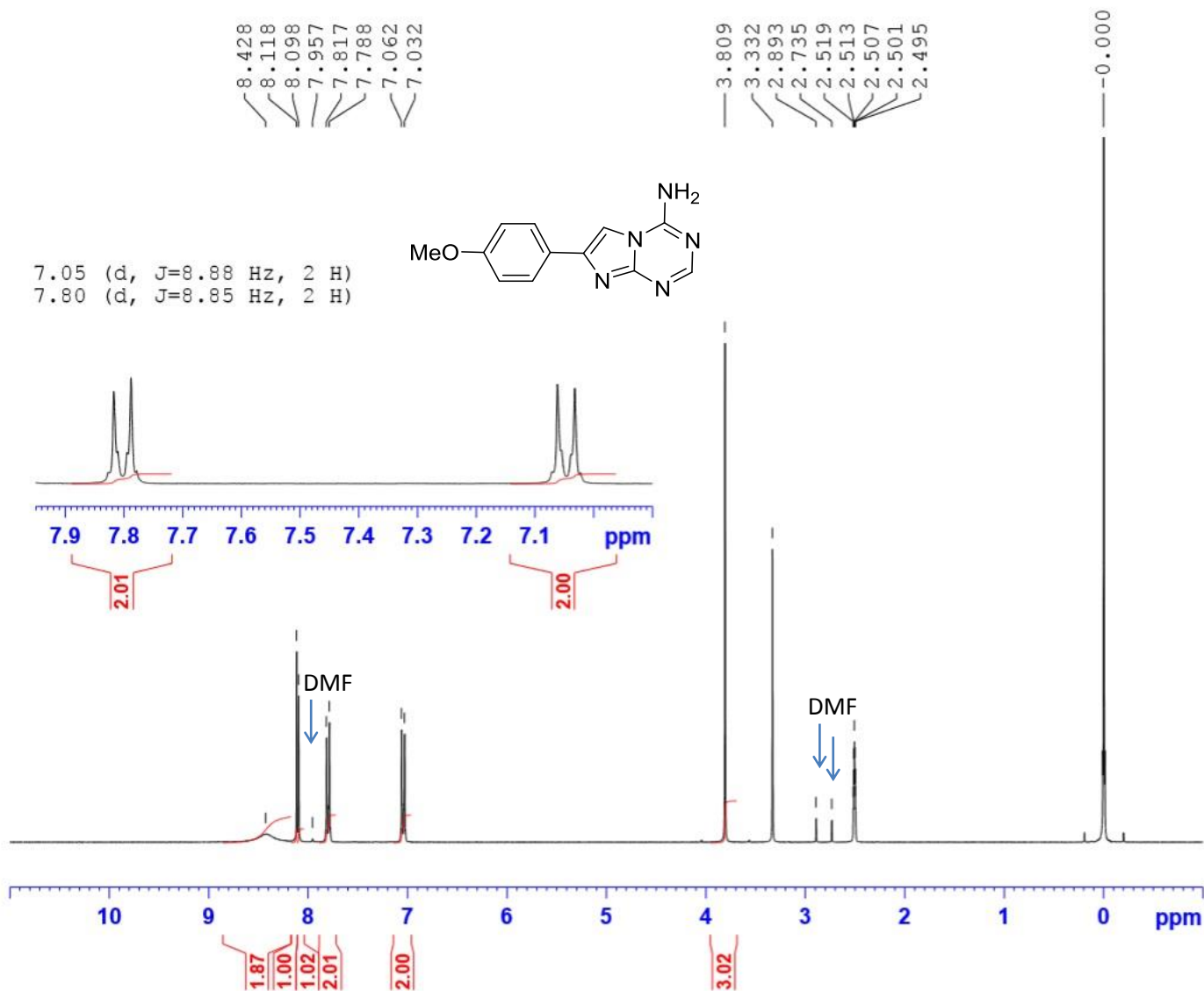
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SOLVENT DMSO
NS 18432
DS 4
SWH 24414.063 Hz
FIDRES 0.372529 Hz
AQ 1.3421773 sec
RG 501.187
DW 20.480 usec
DE 6.50 usec
TE 298.3 K
D1 2.00000000 sec
D11 0.03000000 sec
D31 0.00001500 sec
D40 0.00439029 sec
L4 37
L5 53
P32 98.00 usec
TD0 18

===== CHANNEL f1 =====
SFO1 75.4828392 MHz
NUC1 13C
P1 15.00 usec
PLW1 22.00000000 W

===== CHANNEL f2 =====
SFO2 300.1612006 MHz
NUC2 1H
CPDPRG[2] waltz16
PCPD2 98.00 usec
PLW2 9.30000019 W
PLW12 0.29359001 W
PLW13 0.20359001 W

F2 - Processing parameters
SI 32768
SF 75.4753346 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

4-Amino-7-(4-methoxyphenyl)imidazo[1,2-a][1,3,5]triazine (6i)

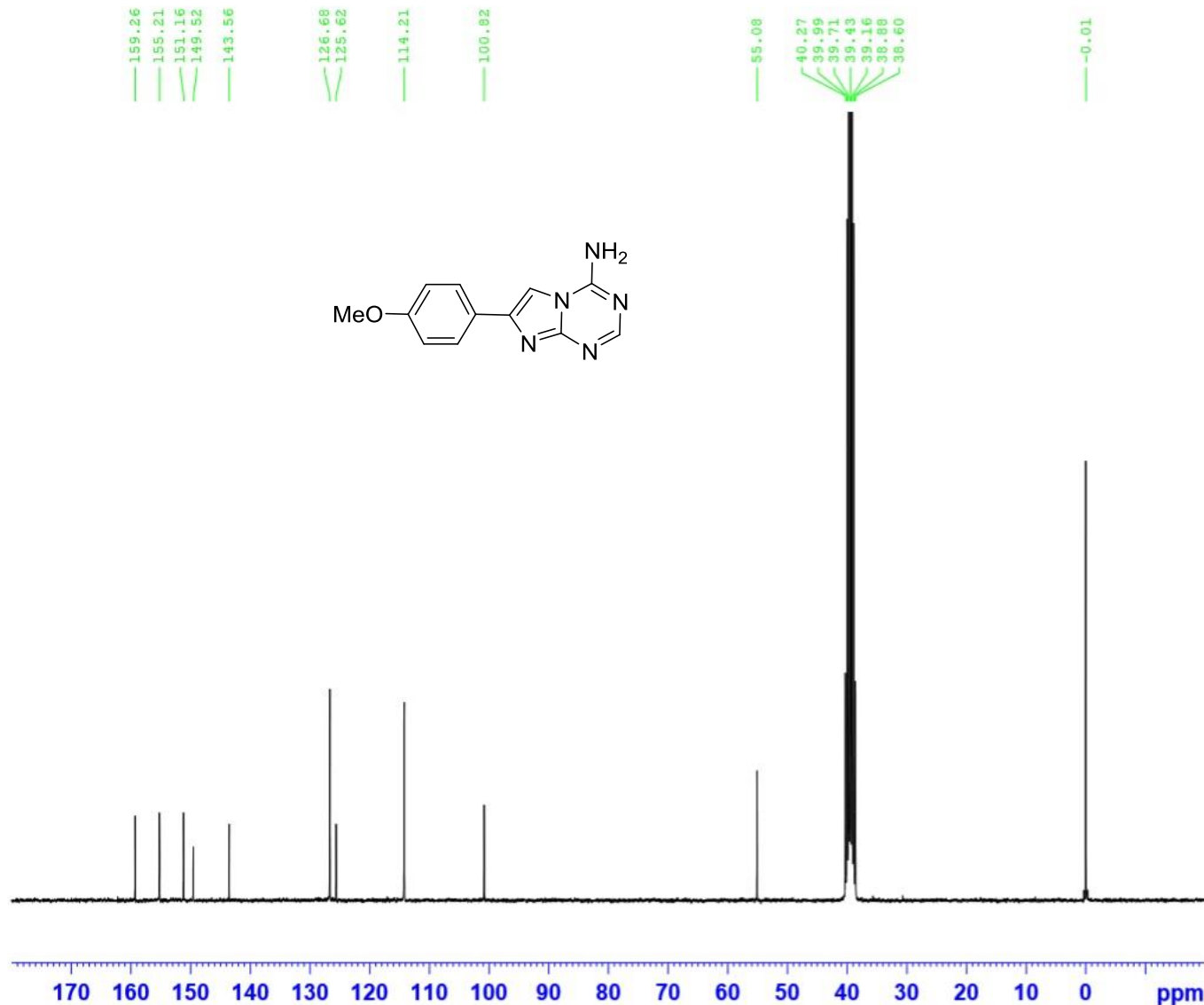


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 TD 65536
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 6103.516 Hz
 FIDRES 0.093132 Hz
 AQ 5.3687091 sec
 RG 90.0959
 DW 81.920 usec
 DE 6.50 usec
 TE 298.1 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
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 NUC1 1H
 P1 13.50 usec
 PLW1 9.30000019 W

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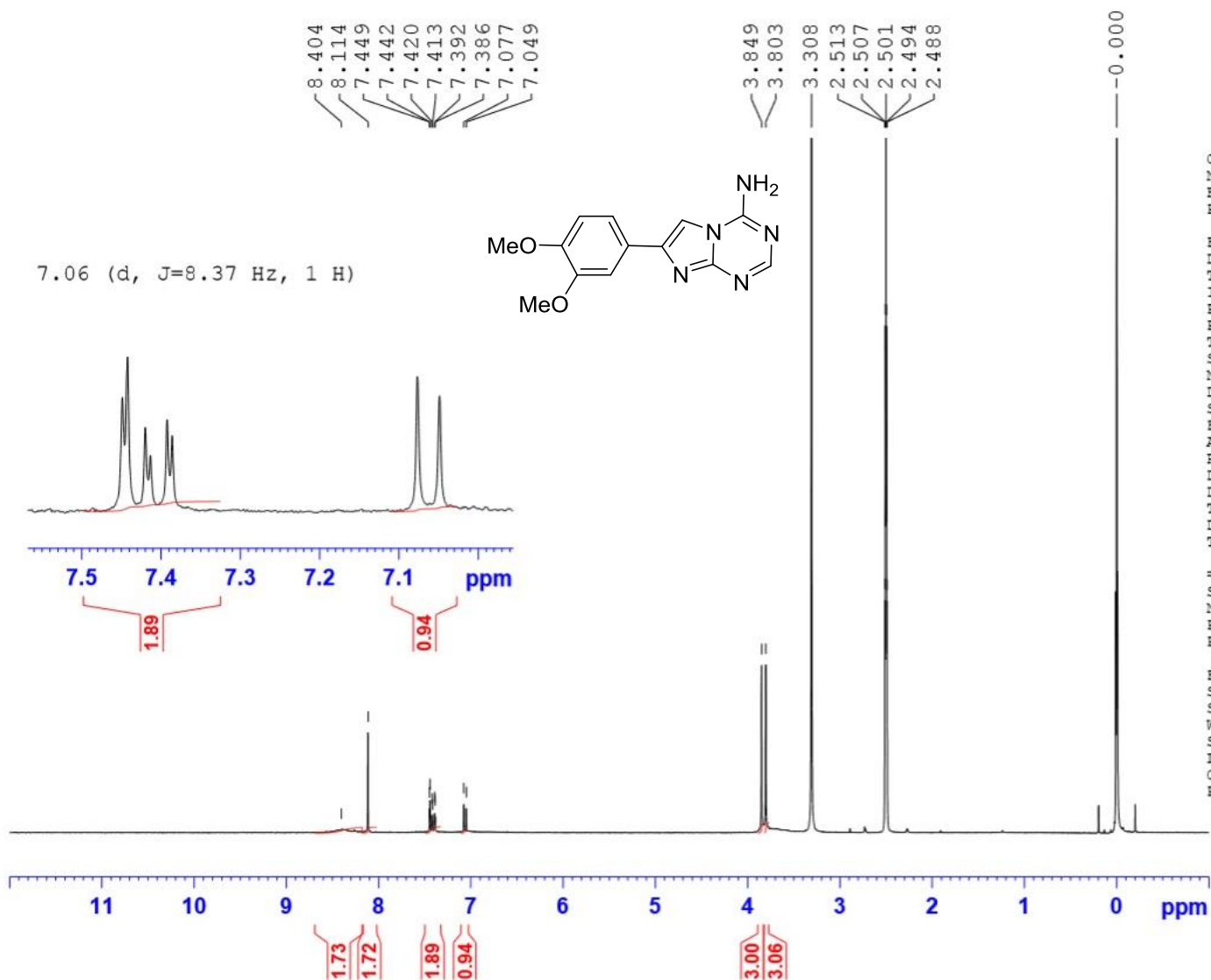
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 SOLVENT DMSO
 NS 16384
 DS 4
 SWH 24414.063 Hz
 FIDRES 0.372529 Hz
 AQ 1.3421773 sec
 RG 501.187
 DW 20.480 usec
 DE 6.50 usec
 TE 298.2 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 D31 0.00001500 sec
 D40 0.00439029 sec
 L4 37
 L5 53
 P32 98.00 usec
 TD0 16

===== CHANNEL f1 =====
 SFO1 75.4828392 MHz
 NUC1 13C
 P1 15.00 usec
 PLW1 22.00000000 W

===== CHANNEL f2 =====
 SFO2 300.1612006 MHz
 NUC2 1H
 CPDPRG[2] waltz16
 PCPD2 98.00 usec
 PLW2 9.30000019 W
 PLW12 0.29359001 W
 PLW13 0.20359001 W

F2 - Processing parameters
 SI 32768
 SF 75.4753342 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

4-Amino-7-(3,4-dimethoxyphenyl)imidazo[1,2-a][1,3,5]triazine (6j)

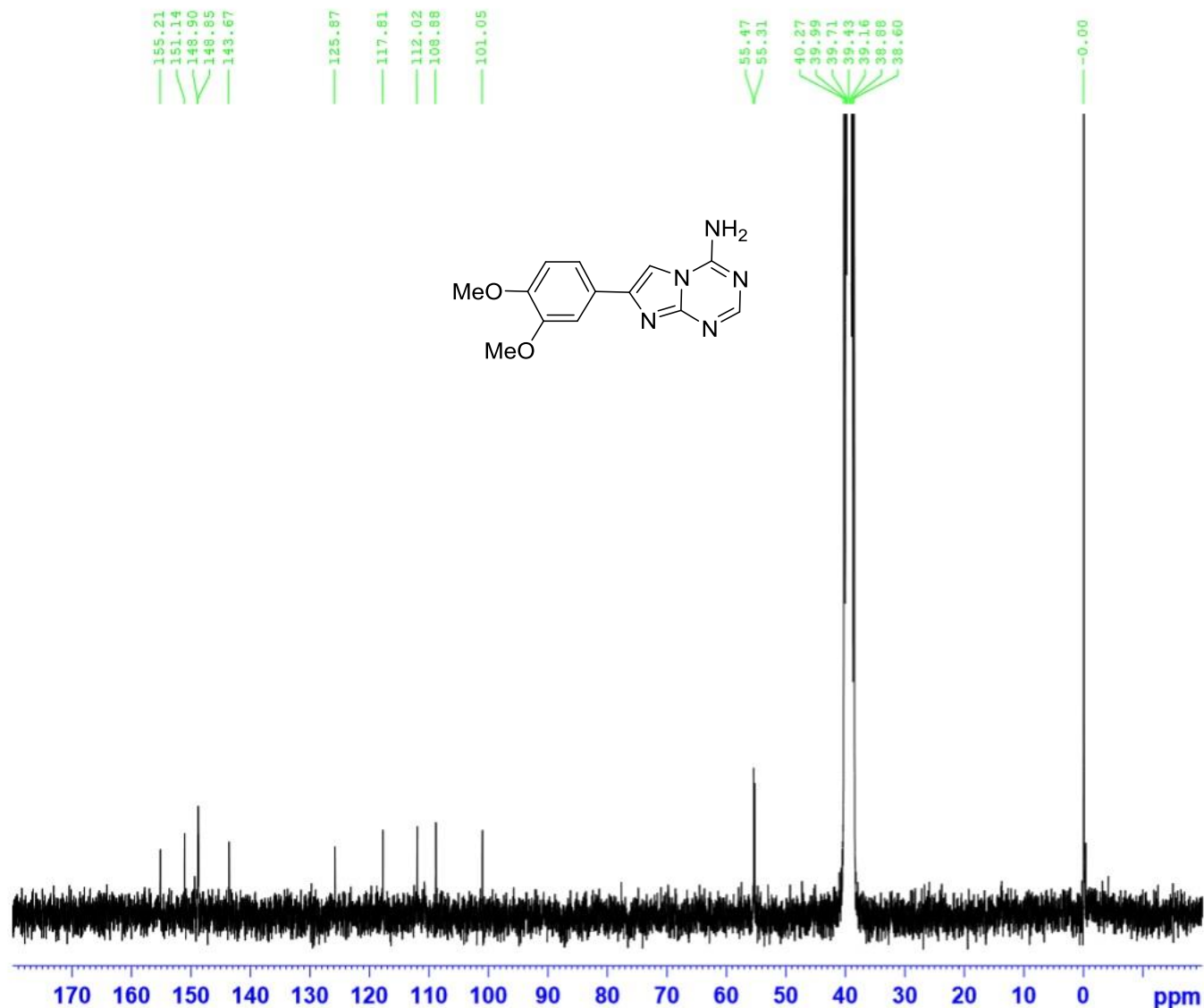


Current Data Parameters
NAME FL198
EXPNO 8
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170104
Time 13.38
INSTRUM FOURIER300
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 160
DS 2
SWH 6103.516 Hz
FIDRES 0.093132 Hz
AQ 5.3687091 sec
RG 184.776
DW 81.920 usec
DE 6.50 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 300.1618536 MHz
NUC1 1H
P1 13.50 usec
PLW1 9.30000019 W

F2 - Processing parameters
SI 65536
SF 300.1600006 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
NAME FL198
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170107
Time 18.10
INSTRUM FOURIER300
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 40960
DS 4
SWH 24414.063 Hz
FIDRES 0.372529 Hz
AQ 1.3421773 sec
RG 501.187
DW 20.480 usec
DE 6.50 usec
TE 300.1 K
D1 2.00000000 sec
D11 0.03000000 sec
D31 0.00001500 sec
D40 0.00439029 sec
L4 37
L5 53
P32 98.00 usec
TD0 40

===== CHANNEL f1 =====
SFO1 75.4828392 MHz
NUC1 13C
P1 15.00 usec
PLW1 22.00000000 W

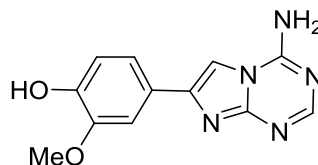
===== CHANNEL f2 =====
SFO2 300.1612006 MHz
NUC2 1H
CPDPRG2 waltz16
PCPD2 98.00 usec
PLW2 9.30000019 W
PLW12 0.29359001 W
PLW13 0.20359001 W

F2 - Processing parameters
SI 32768
SF 75.4753354 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

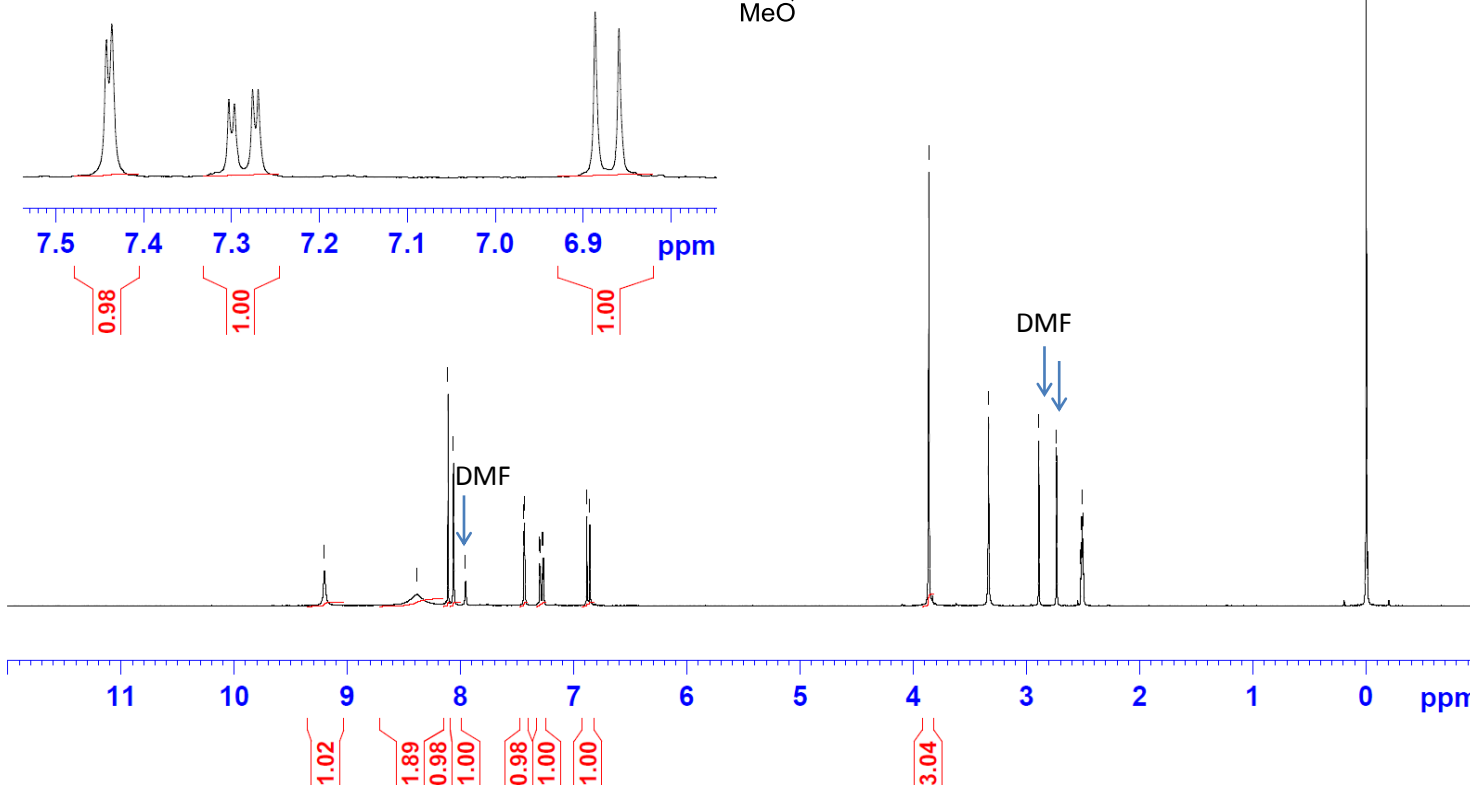
4-Amino-7-(4-hydroxy-3-methoxyphenyl)imidazo[1,2-a][1,3,5]triazine (6k)

9.205
8.388
8.114
8.065
7.957
7.442
7.436
7.303
7.297
7.276
7.269
6.886
6.859

3.865
3.338
2.893
2.737
2.735
2.521
2.515
2.509
2.503
2.497



6.87 (d, J=8.16 Hz, 1 H)
7.29 (dd, J=1.94, 8.15 Hz, 1 H)
7.44 (d, J=1.86 Hz, 1 H)

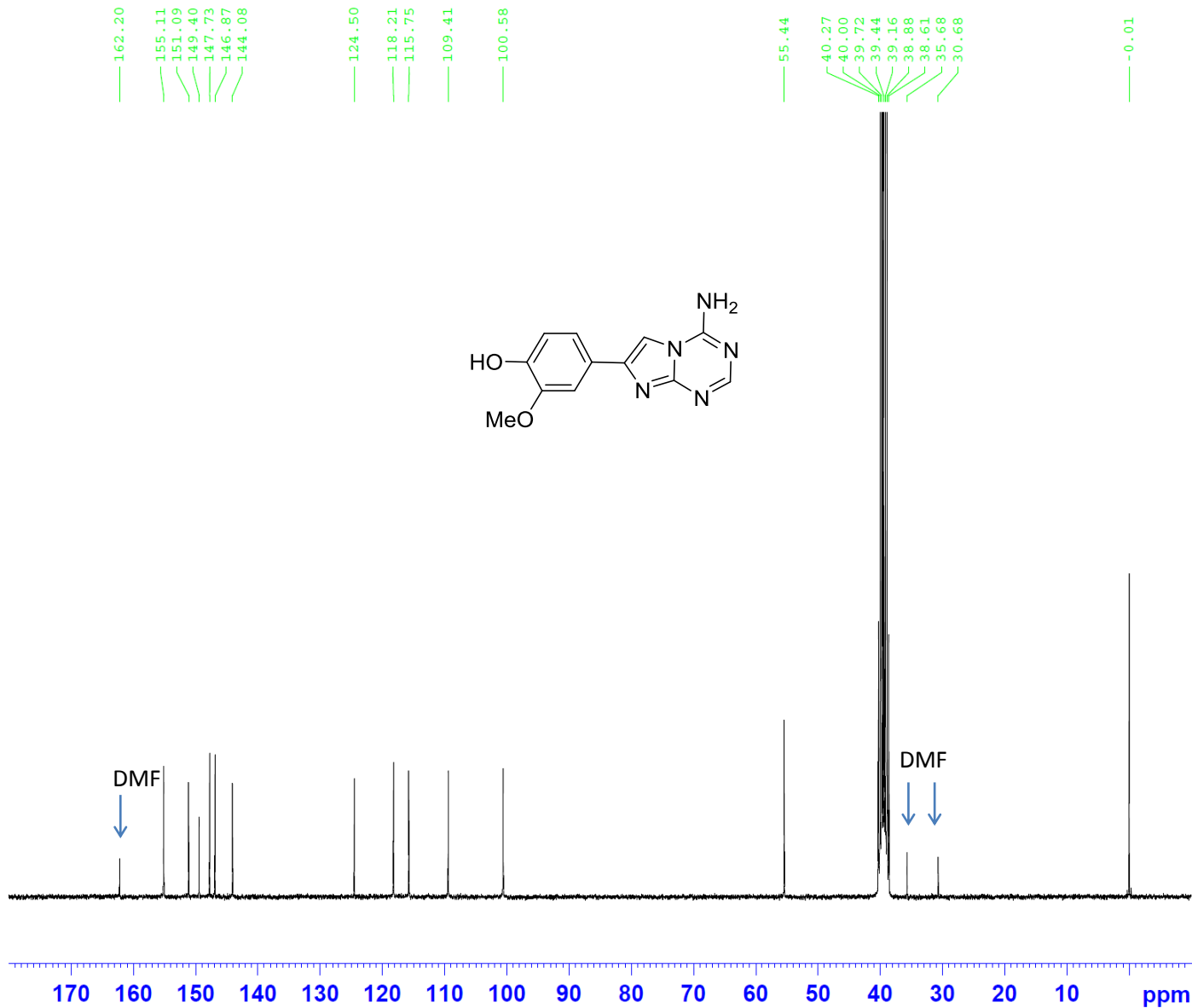


Current Data Parameters
NAME FL244
EXPNO 12
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170213
Time 10.08
INSTRUM FOURIER300
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6103.516 Hz
FIDRES 0.093132 Hz
AQ 5.3687091 sec
RG 87.6175
DW 81.920 usec
DE 6.50 usec
TE 300.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 300.1618536 MHz
NUC1 1H
P1 13.50 usec
PLW1 9.30000019 W

F2 - Processing parameters
SI 65536
SF 300.1599983 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
 NAME FL244
 EXPNO 11
 PROCNO 1

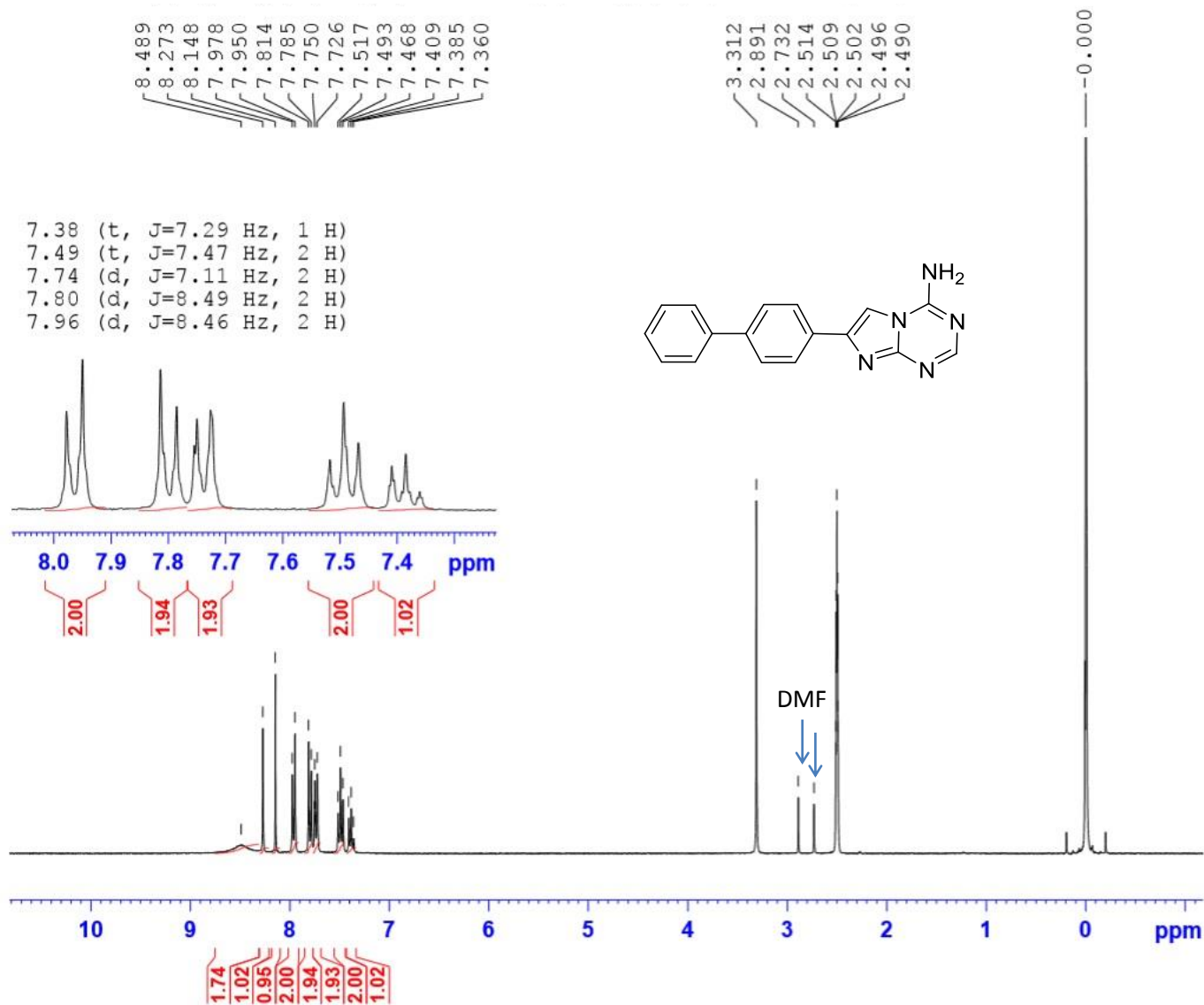
F2 - Acquisition Parameters
 Date_ 20170211
 Time 16.55
 INSTRUM FOURIER300
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 18432
 DS 4
 SWH 24414.063 Hz
 FIDRES 0.372529 Hz
 AQ 1.3421773 sec
 RG 501.187
 DW 20.480 usec
 DE 6.50 usec
 TE 300.1 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 D31 0.00001500 sec
 D40 0.00439029 sec
 L4 37
 L5 53
 P32 98.00 usec
 TD0 18

===== CHANNEL f1 =====
 SFO1 75.4828392 MHz
 NUC1 13C
 P1 15.00 usec
 PLW1 22.00000000 W

===== CHANNEL f2 =====
 SFO2 300.1612006 MHz
 NUC2 1H
 CPDPRG[2] waltz16
 PCPD2 98.00 usec
 PLW2 9.30000019 W
 PLW12 0.29359001 W
 PLW13 0.20359001 W

F2 - Processing parameters
 SI 32768
 SF 75.4753342 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

4-Amino-7-(biphenyl-4-yl)imidazo[1,2-a][1,3,5]triazine (6l)

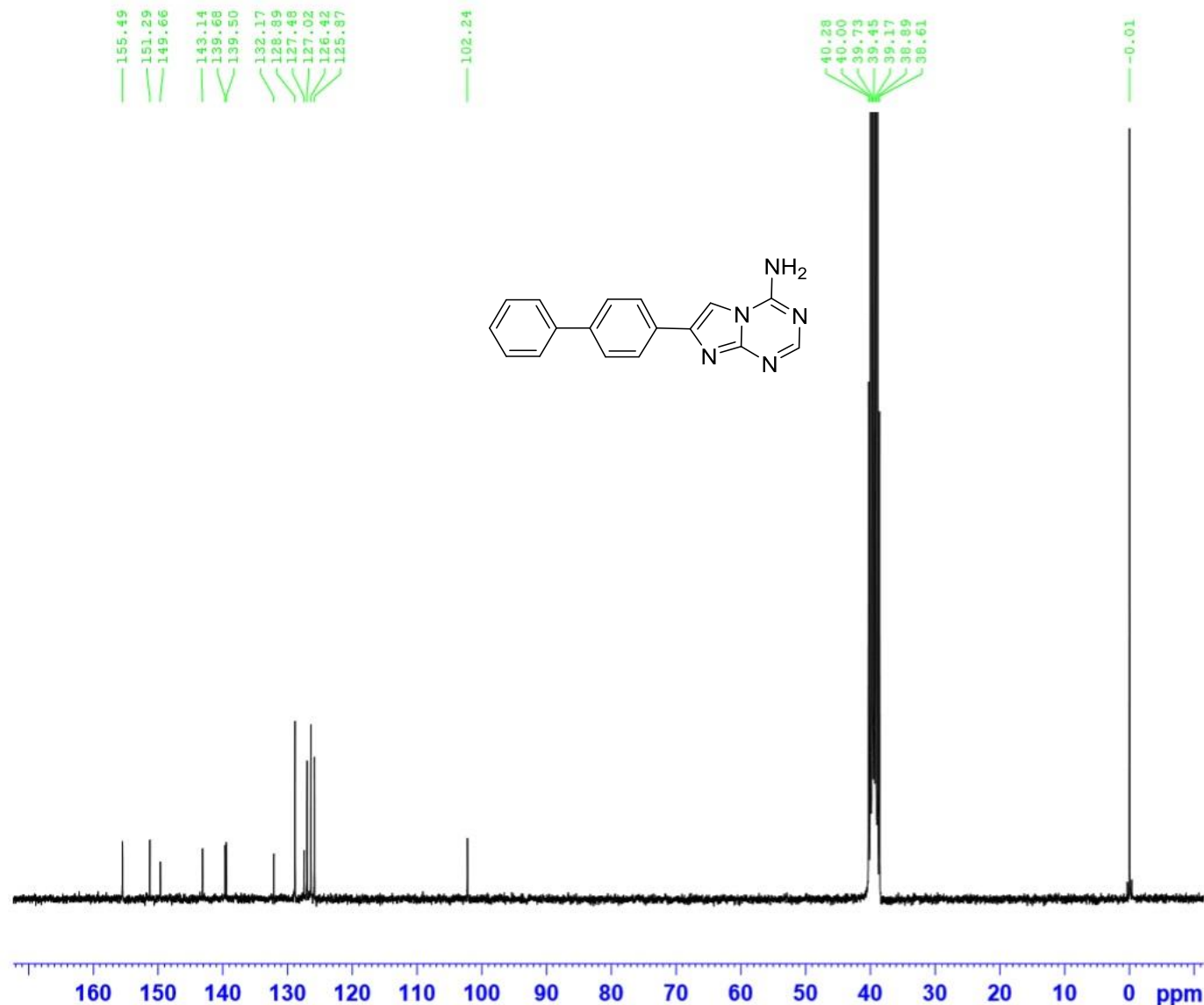


Current Data Parameters
NAME FL226
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20161222
Time 19.03
INSTRUM FOURIER300
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6103.516 Hz
FIDRES 0.093132 Hz
AQ 5.3687091 sec
RG 123.99
DW 81.920 usec
DE 6.50 usec
TE 300.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 300.1618536 MHz
NUC1 1H
P1 13.50 usec
PLW1 9.30000019 W

F2 - Processing parameters
SI 65536
SF 300.1600001 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
NAME FL226
EXFNO 3
PROCNO 1

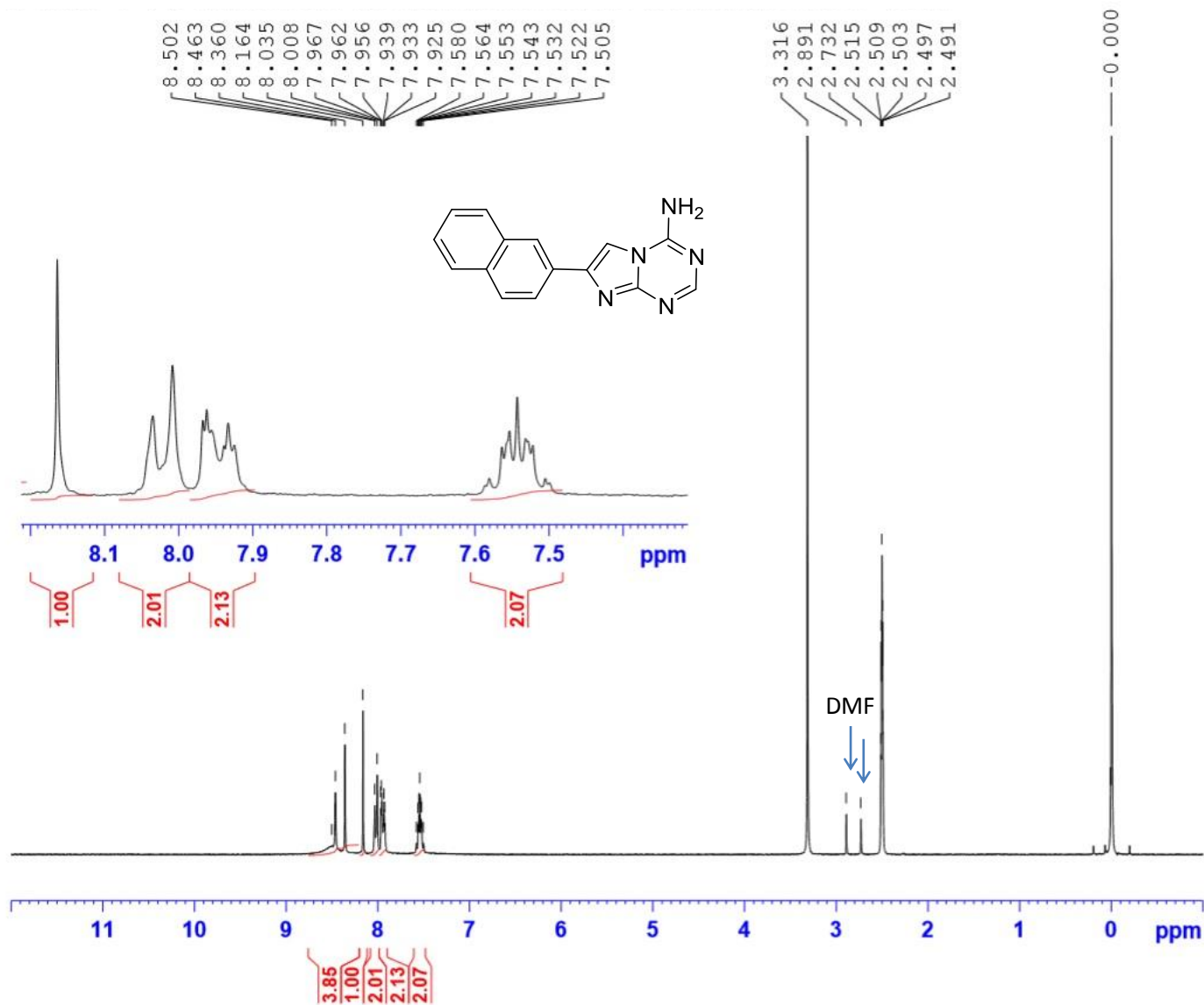
F2 - Acquisition Parameters
Date 20161222
Time 19.14
INSTRUM FOURIER300
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 15360
DS 4
SWH 24414.063 Hz
FIDRES 0.372529 Hz
AQ 1.3421773 sec
RG 501.187
DW 20.480 usec
DE 6.50 usec
TE 300.1 K
D1 2.00000000 sec
D11 0.03000000 sec
D31 0.00001500 sec
D40 0.00439029 sec
L4 37
L5 53
P32 98.00 usec
TD0 15

===== CHANNEL f1 =====
SFO1 75.4828392 MHz
NUC1 13C
P1 15.00 usec
PLW1 22.00000000 W

===== CHANNEL f2 =====
SFO2 300.1612006 MHz
NUC2 1H
CPDPRG[2] waltz16
PCPD2 98.00 usec
PLW2 9.30000019 W
PLW12 0.29359001 W
PLW13 0.20359001 W

F2 - Processing parameters
SI 32768
SF 75.4753350 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

4-Amino-7-(naphthalene-2-yl)imidazo[1,2-a][1,3,5]triazine (6m)



Current Data Parameters
 NAME FL240
 EXPNO 3
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20170104
 Time_ 15.45
 INSTRUM FOURIER300
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 16
 DS 2
 SWH 6103.516 Hz
 FIDRES 0.093132 Hz
 AQ 5.3687091 sec
 RG 160.373
 DW 81.920 usec
 DE 6.50 usec
 TE 300.1 K
 DL 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SF01 300.1618536 MHz
 NUC1 1H
 P1 13.50 usec
 PLW1 9.30000019 W

F2 - Processing parameters
 SI 65536
 SF 300.1600000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



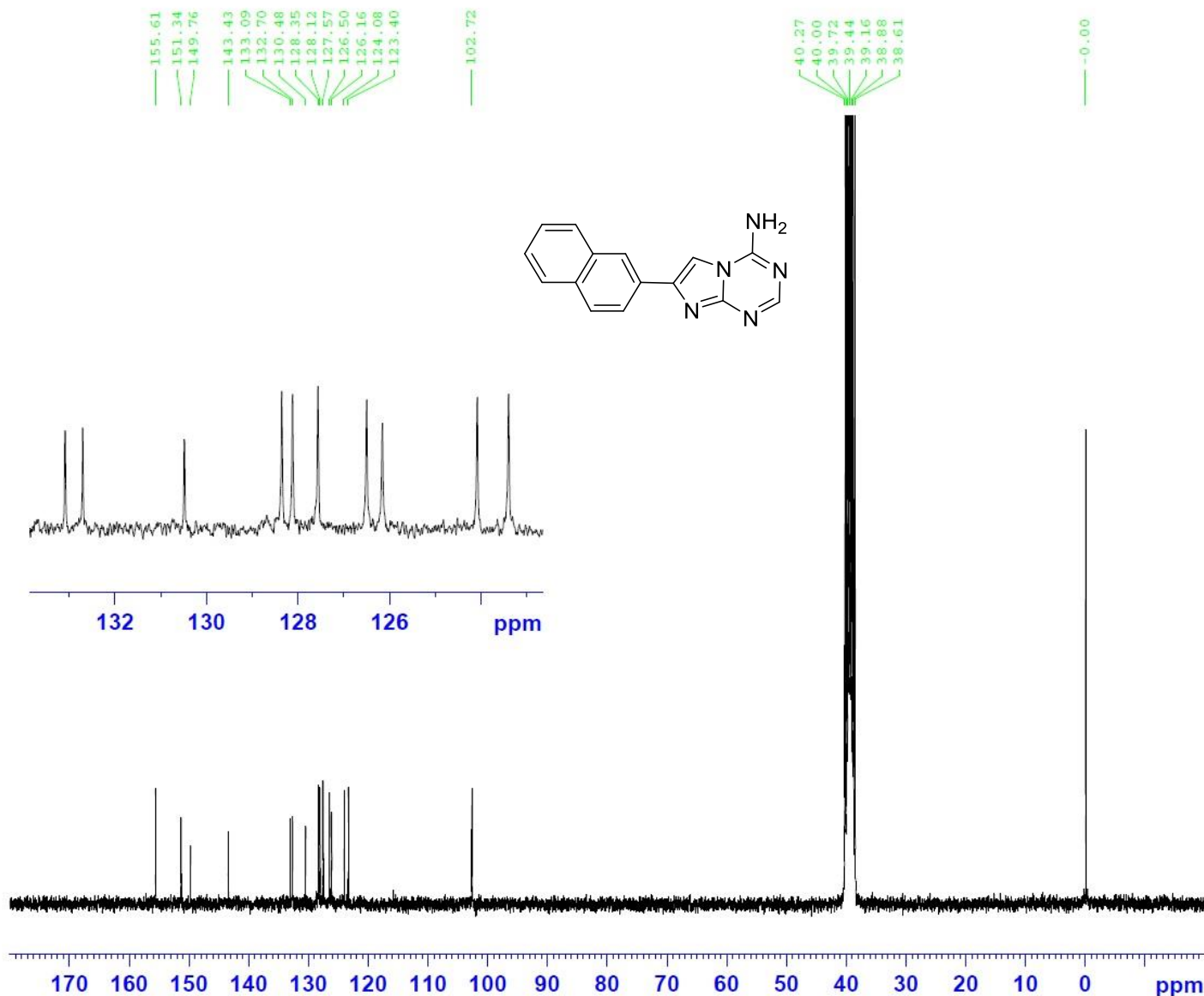
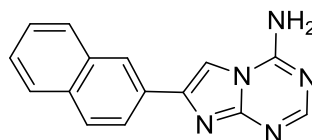
Current Data Parameters
NAME FL240
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170105
Time 18.05
INSTRUM FOURIER300
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 17408
DS 4
SWH 24414.063 Hz
FIDRES 0.372529 Hz
AQ 1.3421773 sec
RG 501.187
DW 20.480 usec
DE 6.50 usec
TE 300.1 K
D1 2.00000000 sec
D11 0.03000000 sec
D31 0.00001500 sec
D40 0.00439029 sec
L4 37
L5 53
P32 98.00 usec
TD0 17

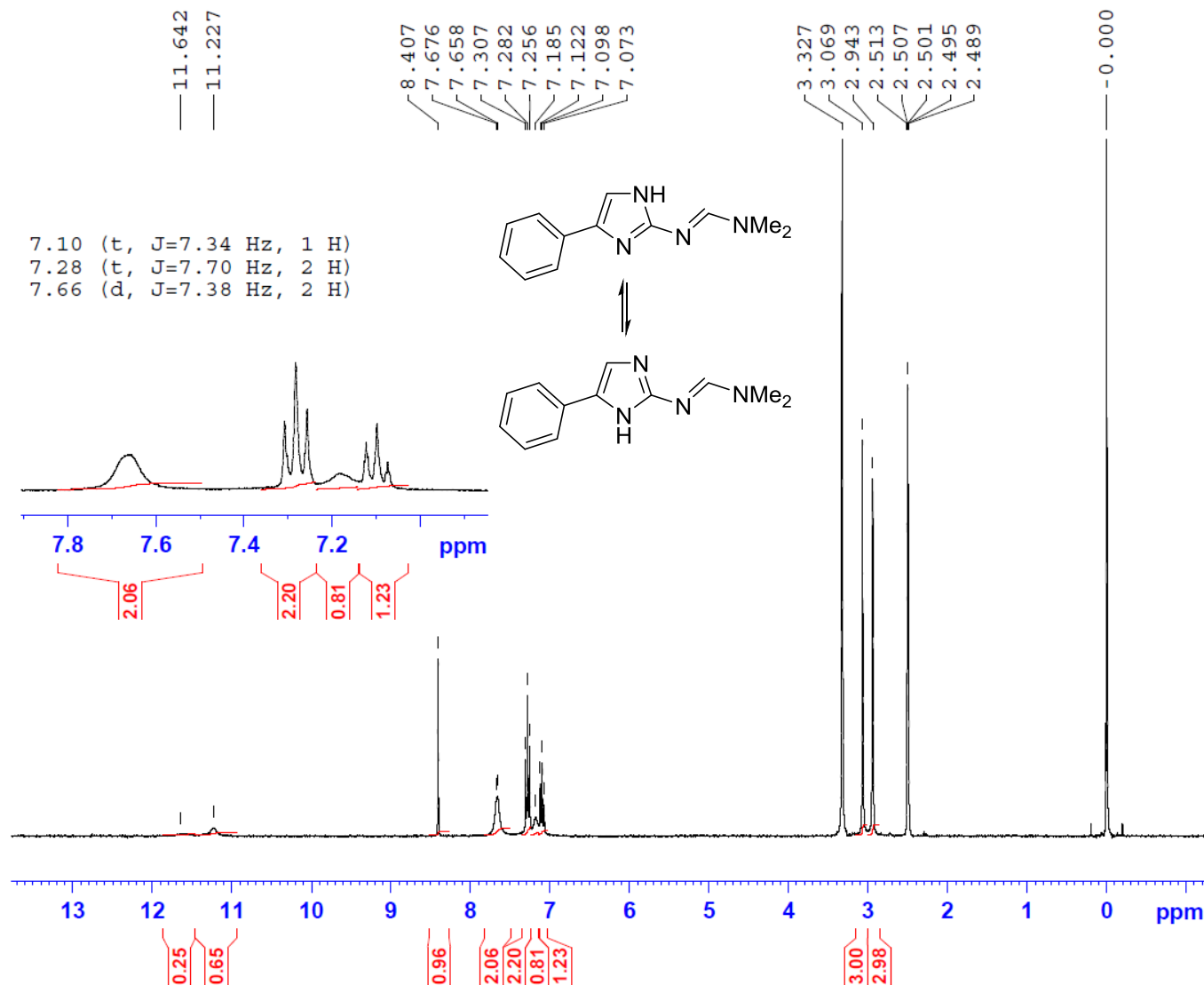
===== CHANNEL f1 =====
SFO1 75.4828392 MHz
NUC1 13C
P1 15.00 usec
PLW1 22.00000000 W

===== CHANNEL f2 =====
SFO2 300.1612006 MHz
NUC2 1H
CPDPRG[2] waltz16
PCPD2 98.00 usec
PLW2 9.30000019 W
PLW12 0.29359001 W
PLW13 0.20359001 W

F2 - Processing parameters
SI 32768
SF 75.47533350 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



***N,N'*-Dimethyl-*N*-[3(5)-phenylimidazo-5(3)yl] formamidine (11 & 11')**



Current Data Parameters
NAME FL329
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170525
Time 13.02
INSTRUM FOURIER300
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6103.516 Hz
FIDRES 0.093132 Hz
AQ 5.3687091 sec
RG 137.212
DW 81.920 usec
DE 6.50 usec
TE 297.7 K
D1 1.00000000 sec
TD0 1

----- CHANNEL f1 -----
SFO1 300.1618536 MHz
NUC1 1H
P1 13.50 usec
PLW1 9.30000019 W

F2 - Processing parameters
SI 65536
SF 300.1600007 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Examples of microwave experiment reports

Anton Paar Monowave Series

Serial Number: 81920167

Instrument Software Version: 4.00.8615.18

Processing Protocol

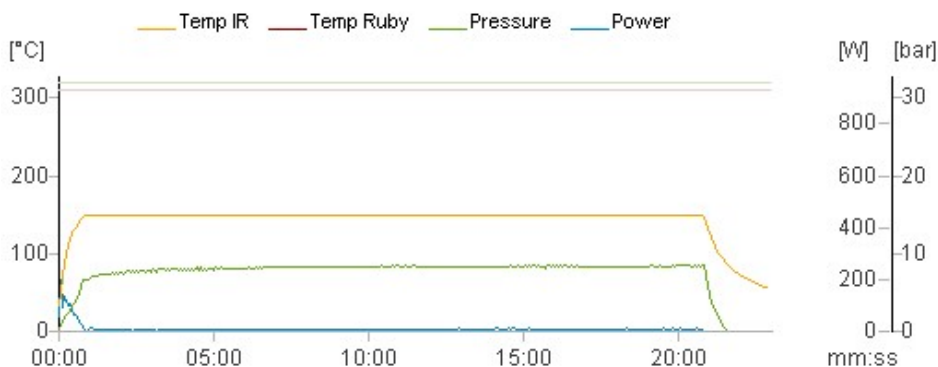
- ▶ Experiment Name: FL4
- ▶ Experiment Date: 11/2/2016 2:42:58 PM
- ▶ Experiment Unique ID: 81
- ▶ User: Administrator
- ▶ Temperature Control: IR
- ▶ Vial Type: Glass vial G10

Steps

Step	Program	Temperature	Time	Power	Cooling	Stirrer Speed
		°C	hh:mm:ss	W		rpm
1	Heat as fast as possible	150	-	850	Off	600
2	Hold	-	00:20:00	850	Off	600
3	Cool down	55	-	-	On	600

Experiment Result

- ▶ Result: OK



Raw data is accessible for download from the "Browse Results" dialog on Monowave (see serial number above)

Adjustment Information

- ▶ Date of last IR sensor adjustment: 1/26/2016 11:22:03 AM
- ▶ User name of last IR sensor adjustment: Service

Wednesday, November 02, 2016

(signature)

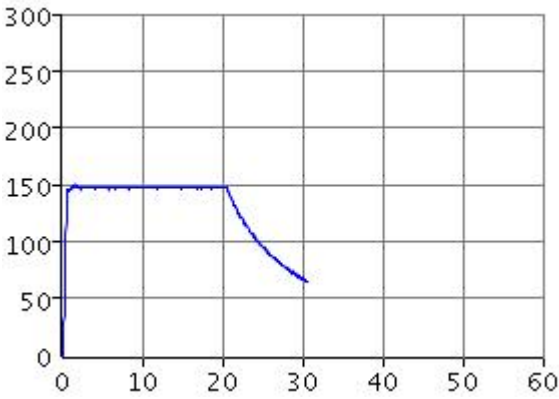
Experiment: 2017-01-10:01
User: Biotage
Processed: 2017.01.10 11:35:04

Reaction 1

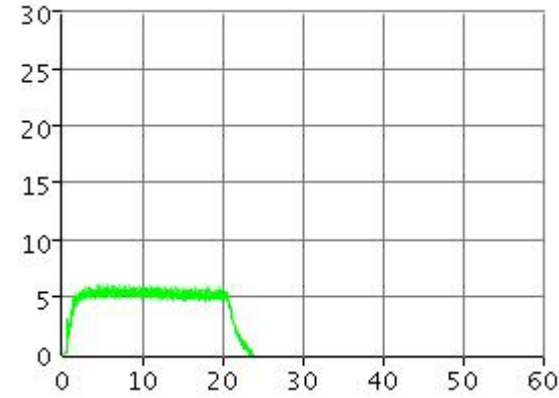
Processed: 2017.01.10 11:35:09
Status: OK
Absorption level: Normal
Vial type: 2.0-5.0 ml
Pre-stirring: 600
Initial power: 0
Dynamic deflector optimization:On

Step	Time	°C	bar	W	FHT	Cooling	Stir Rate
1	00:20:00	150	Off	Off	On	Off	600

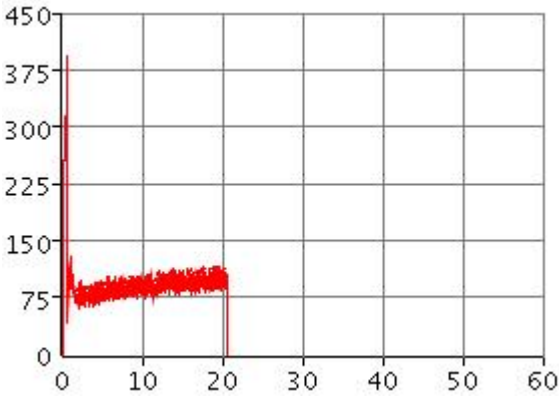
Temperature (C)



Pressure (bar)



Power (W)



[Data as CVS](#)



Reaction

FL2 06-Jan-17 4:00:06 PM User: gaia 10mL Vessel Snap Cap

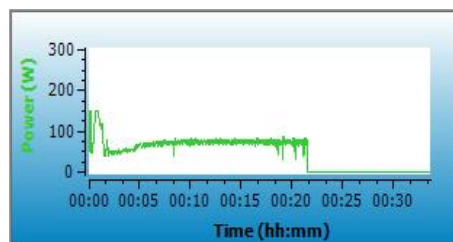
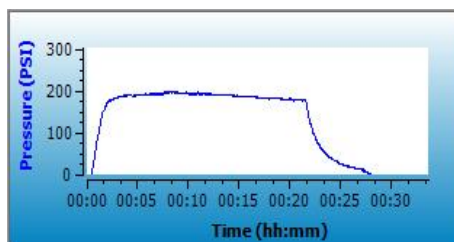
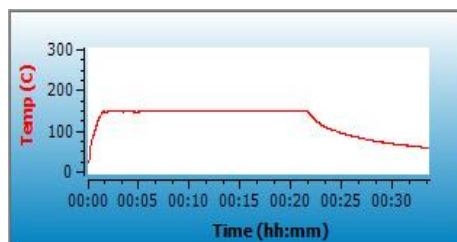
Method Parameters

Name: FL2

Temp(C):	150
Time(mm:ss):	20:00

Type: Conventional

Graphs



Method Summary

Reaction started:	06-Jan-17 4:00:32 PM
Temperature setpoint reached:	06-Jan-17 4:02:02 PM
Reaction cooling started:	06-Jan-17 4:22:04 PM
Cooling/Reaction ended:	06-Jan-17 4:34:06 PM

Reaction Completed Successfully!

Maximum temperature:	150 C
Maximum pressure:	199 PSI
Time to obtain setpoint:	01:30 mm:ss
Time at setpoint:	20:02 mm:ss
Time cooling:	12:02 mm:ss



Accelerating the transformation of concept to cure

P.O. Box 200 Matthews, NC 28106 • 800.726.3331 • www.cemsynthesis.com