

Synthesis of new of 4-thiazolidinone and thiazole derivatives containing coumarin moiety with antimicrobial activity

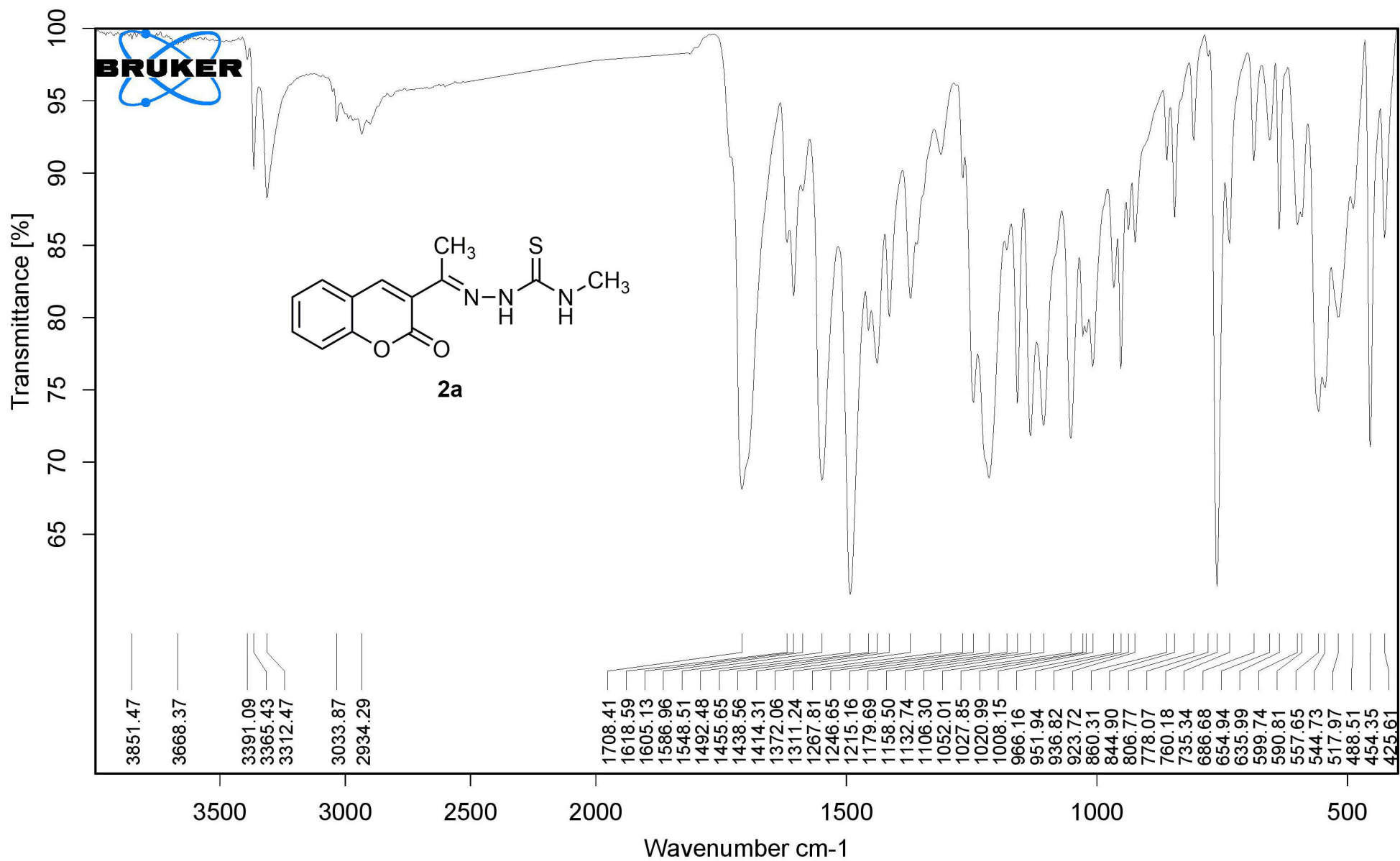
Reem A. K. Al-Harbi,^a Marwa A. M. Sh. El-Sharief^b, Samir Y. Abbas^{c,*}

^aDepartment of Chemistry, Faculty of Science, Taibah University, Almadinah Almunawwarah, Saudi Arabia.

^bApplied Organic Chemistry Department, National Research Centre, Cairo, Egypt.

^cOrganometallic and Organometalloid Chemistry Department, National Research Centre, Dokki, Cairo, Egypt.

*Corresponding author: E-mail: sy.abbas@nrc.sci.eg; samiryoussef98@yahoo.com



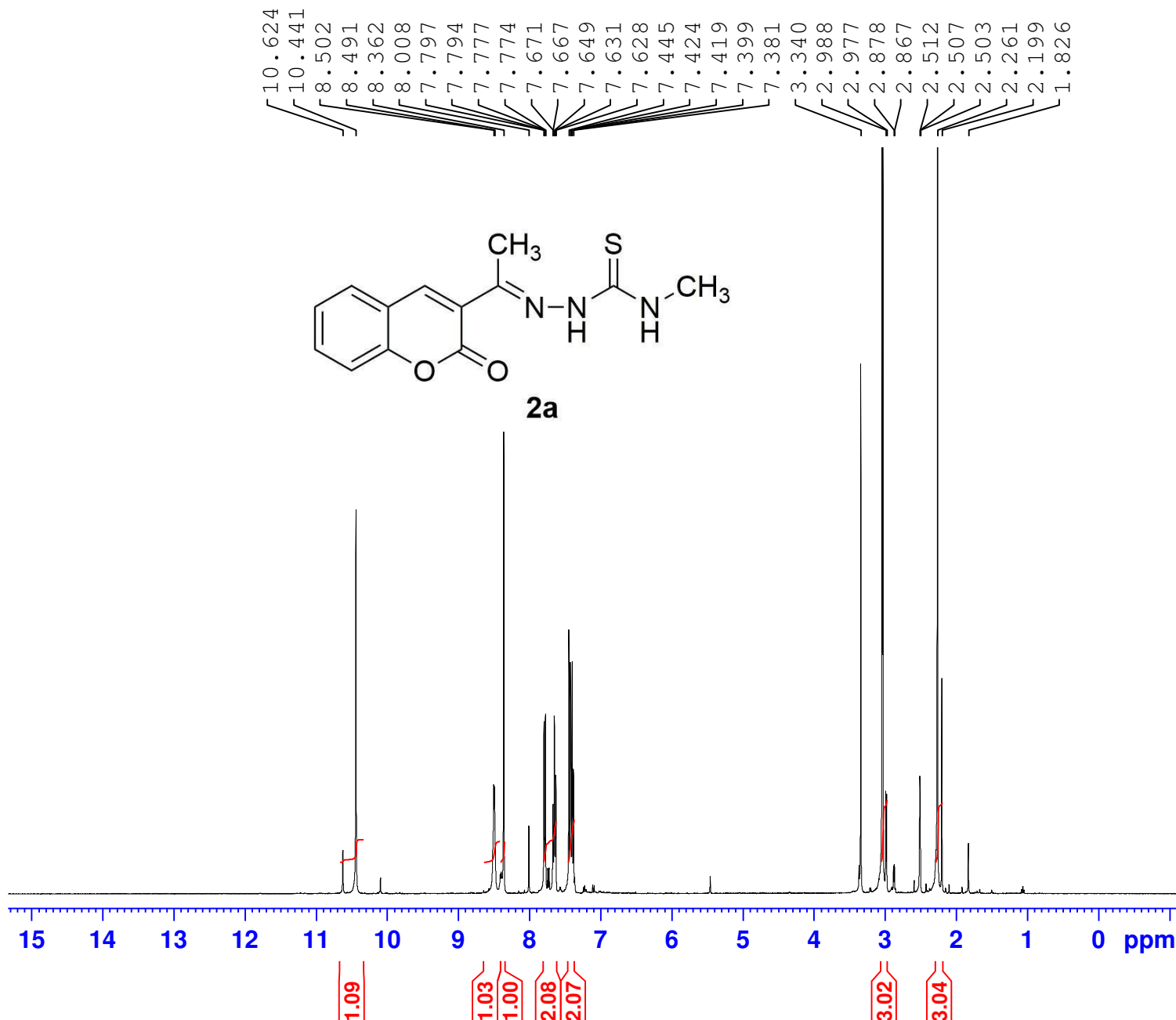


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 NAME samir-youssef-Thme
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
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 Time 16.28
 INSTRUM spect
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 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 22
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
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 WDW EM
 SSB 0
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 PC 1.00





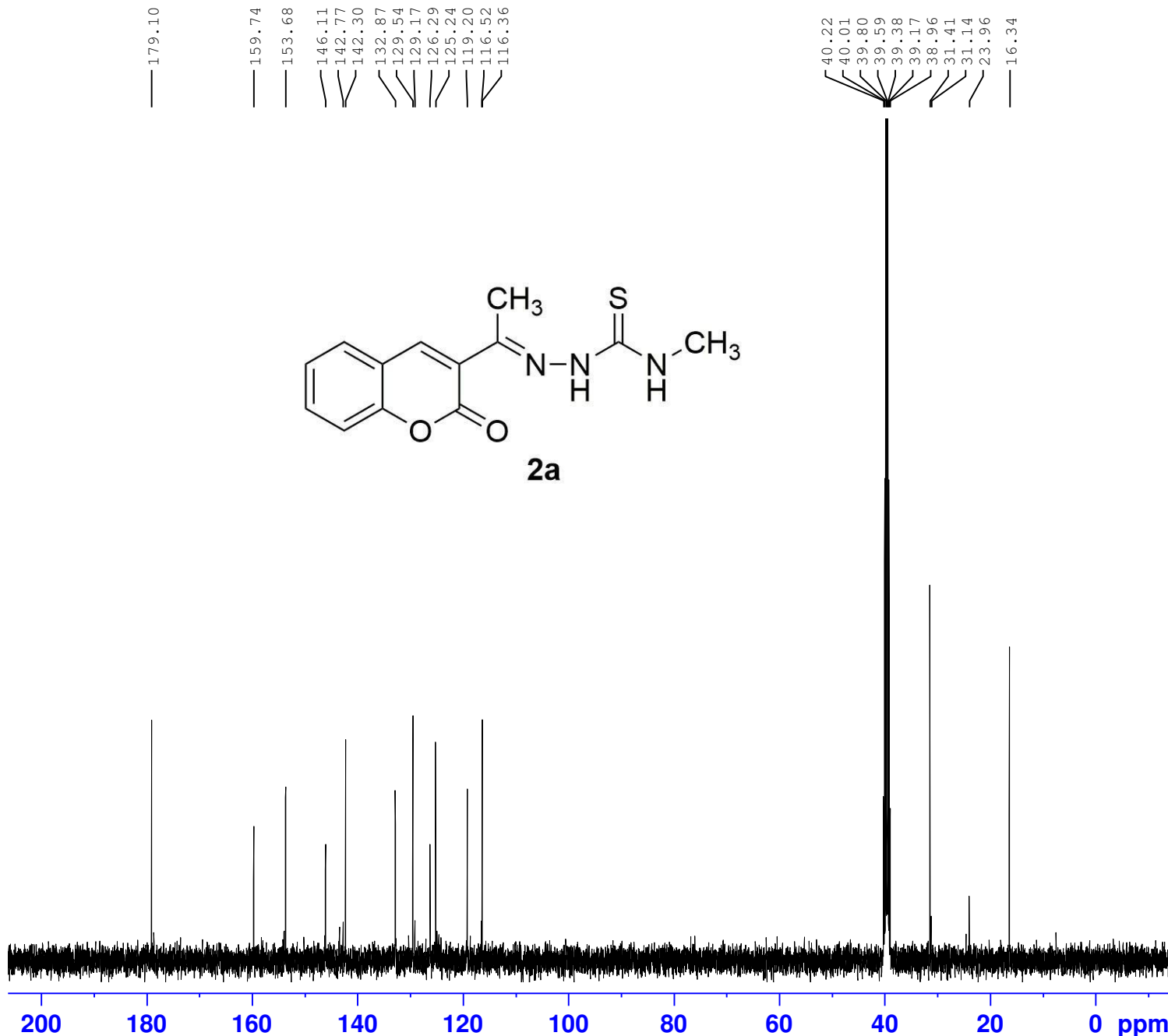
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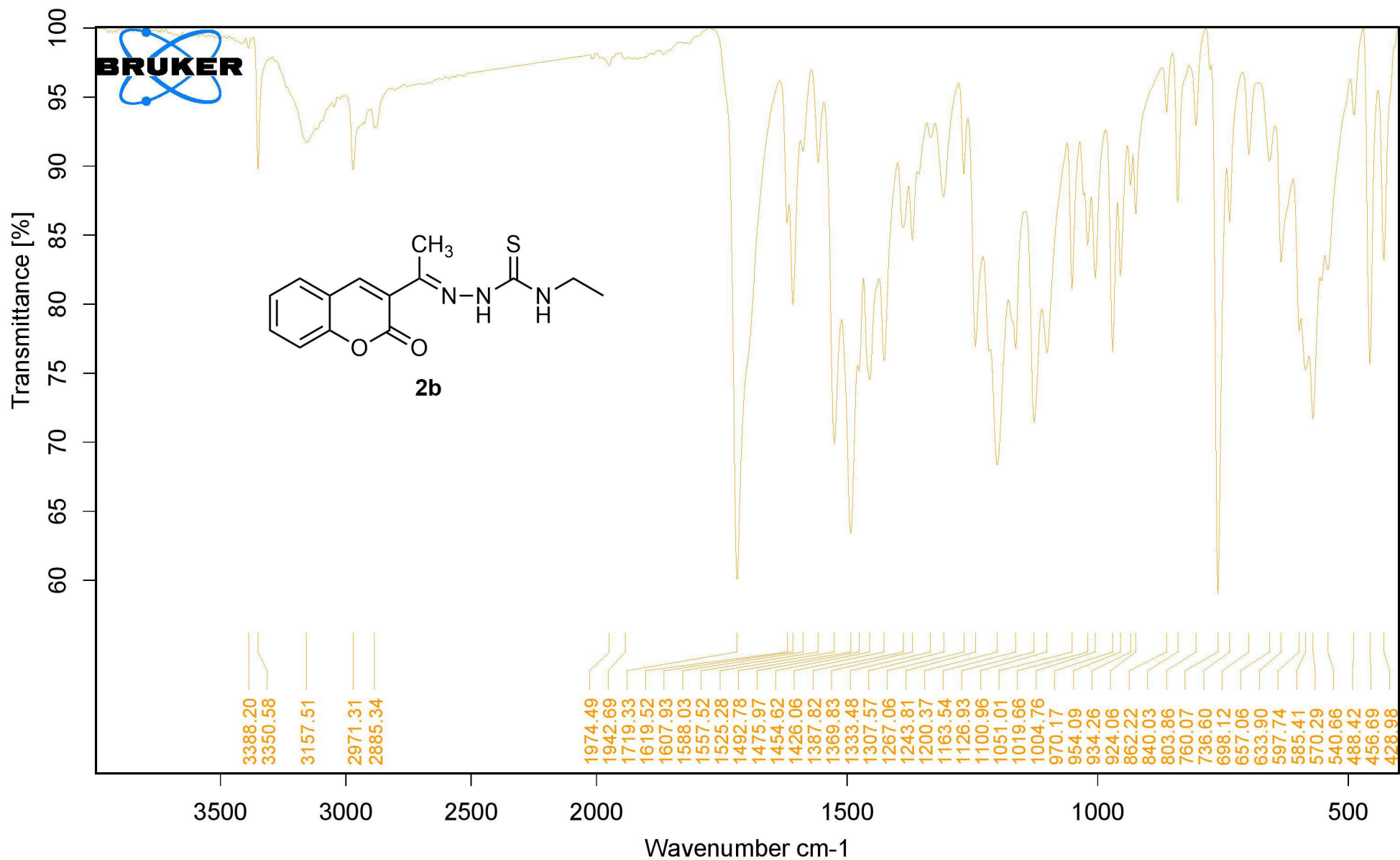
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 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 315
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
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 DE 6.50 usec
 TE 300.0 K
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 TD0 1

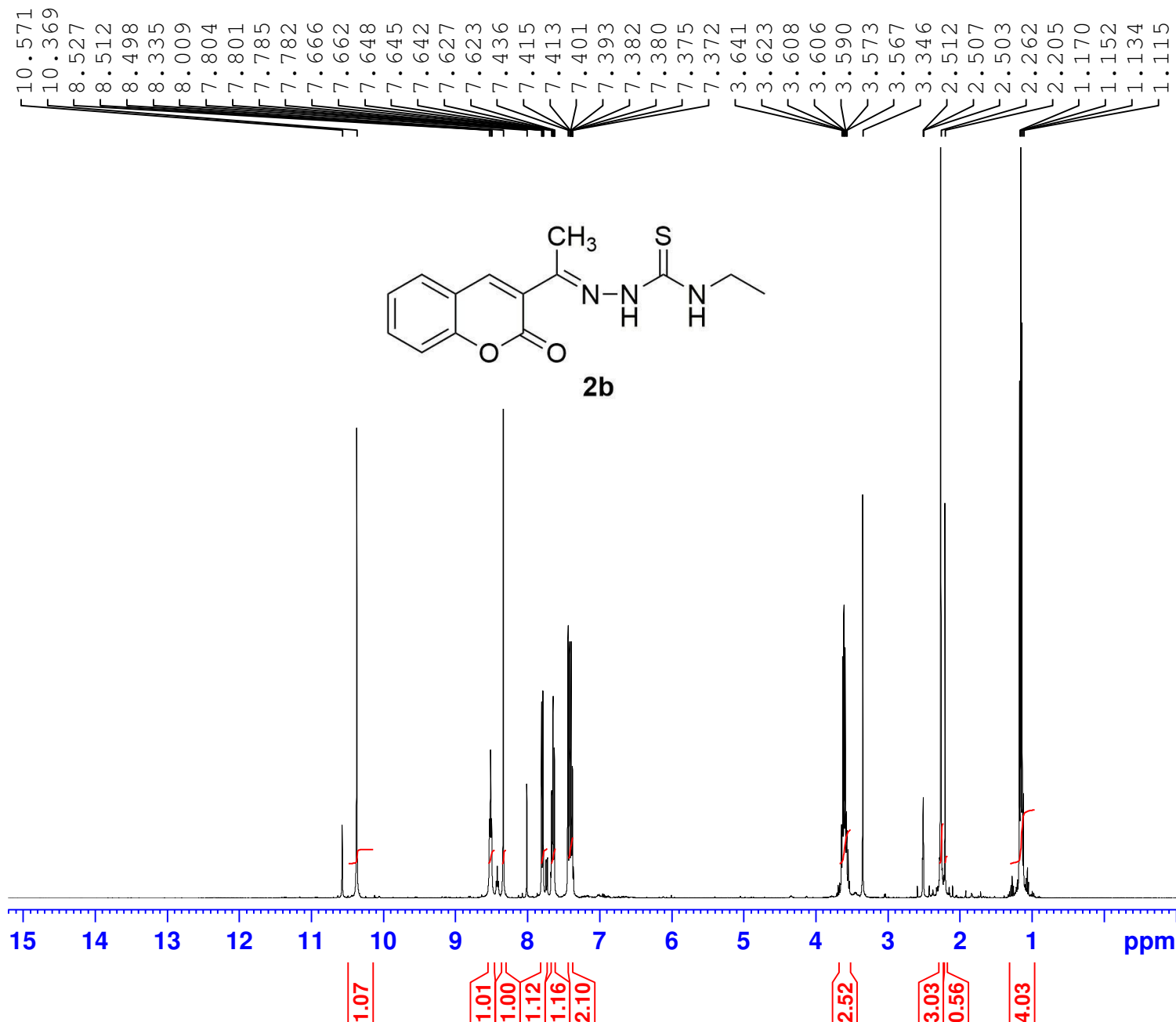
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 NUC1 13C
 P1 10.00 usec
 PLW1 47.00000000 W

===== CHANNEL f2 =====
 SFO2 400.1516006 MHz
 NUC2 1H
 CPDPRG[2] waltz16
 PCPD2 90.00 usec
 PLW2 18.00000000 W
 PLW12 0.34722000 W
 PLW13 0.28125000 W

F2 - Processing parameters
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 SSB 0
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 PC 1.40





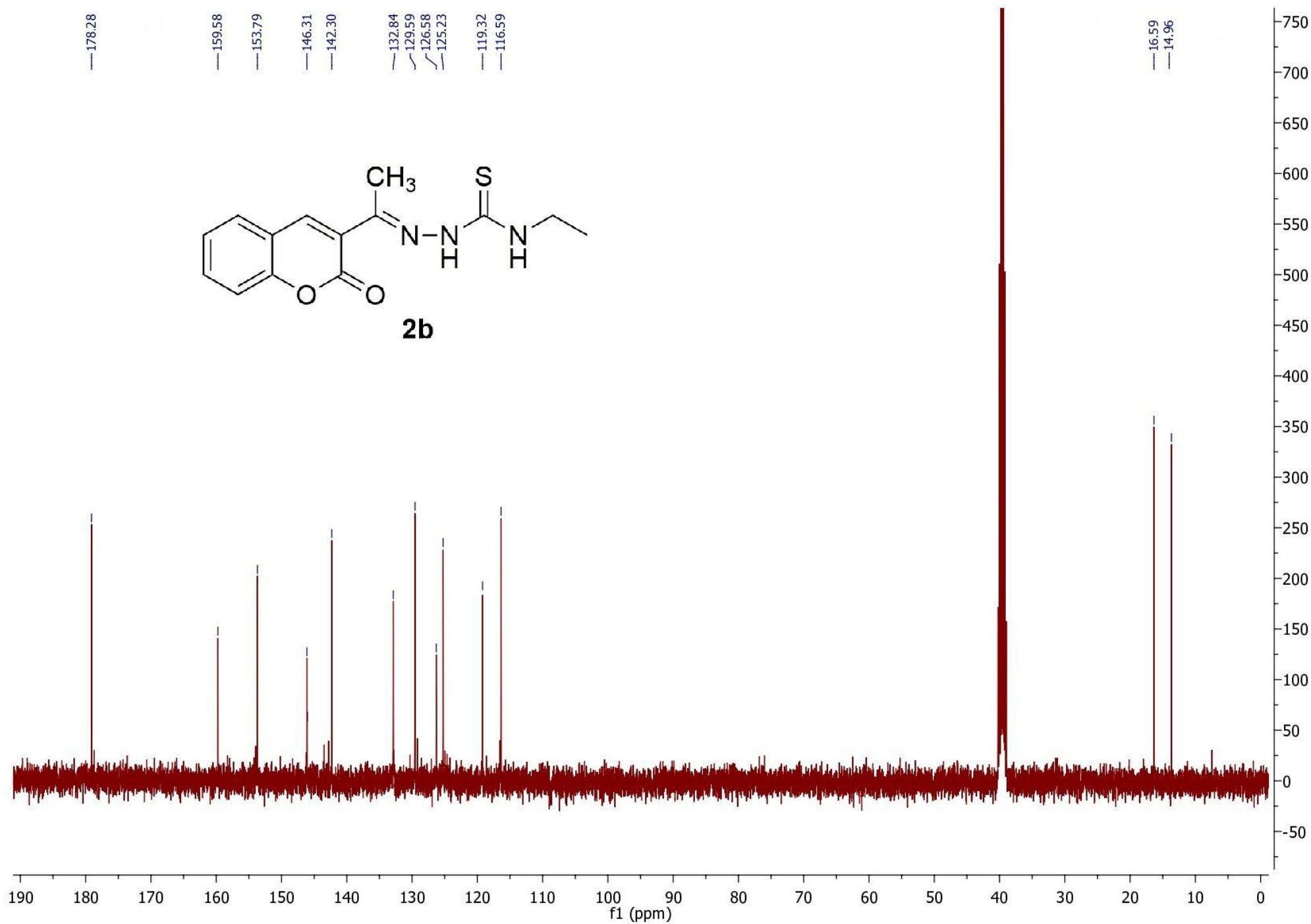
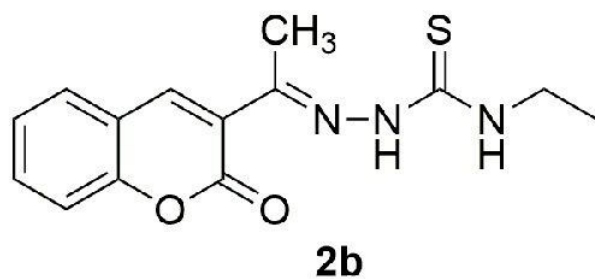


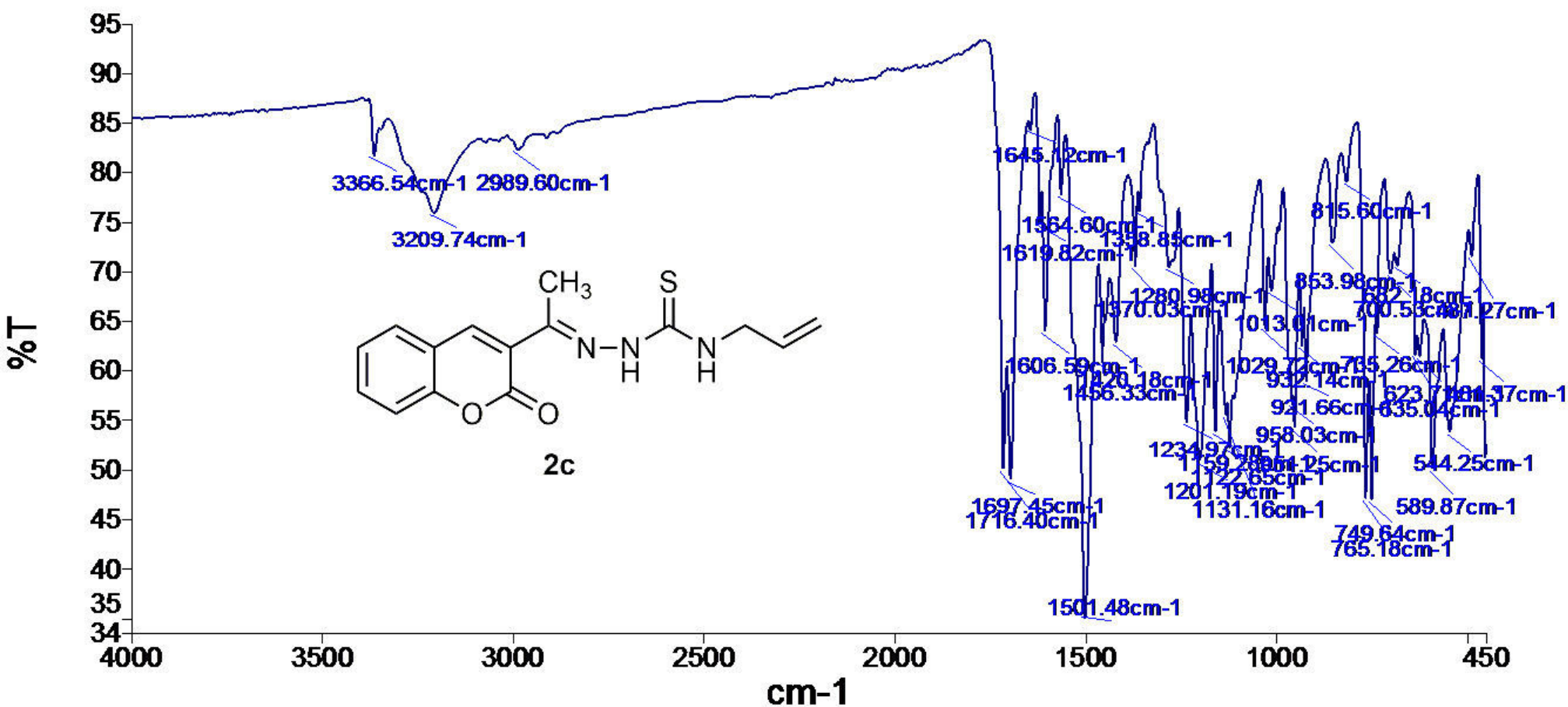
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 NAME samir-youssef-ThET
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
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 INSTRUM spect
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 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 22
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
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 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



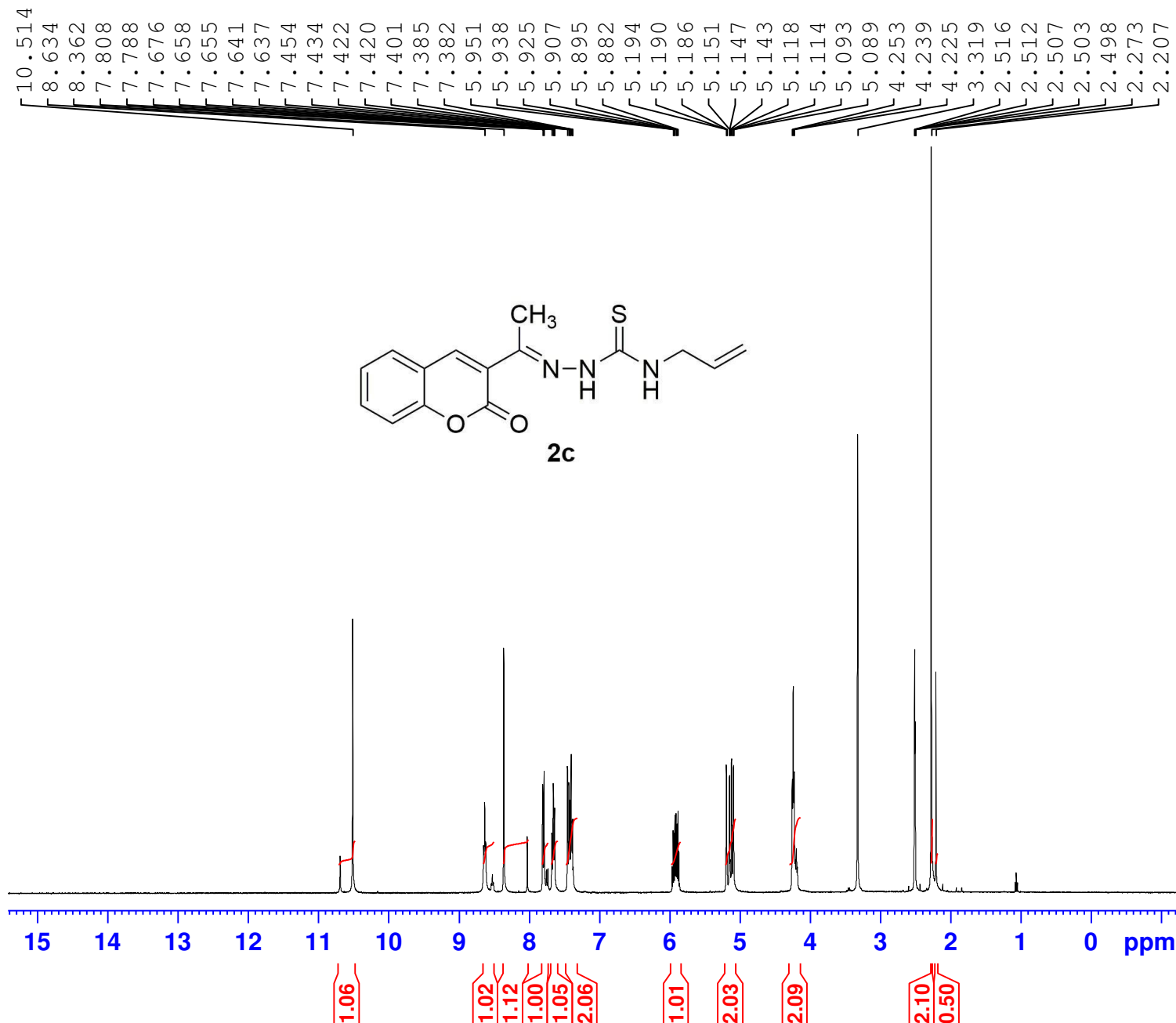


Name

Description

Th2C

Sample 2090 By PEService Date Tuesday, January 01 2013

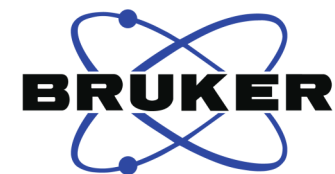


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 NAME samir-youssef-ThAI
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20230101
 Time 16.59
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 31
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
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 SF 400.1500000 MHz
 WDW EM
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 PC 1.00



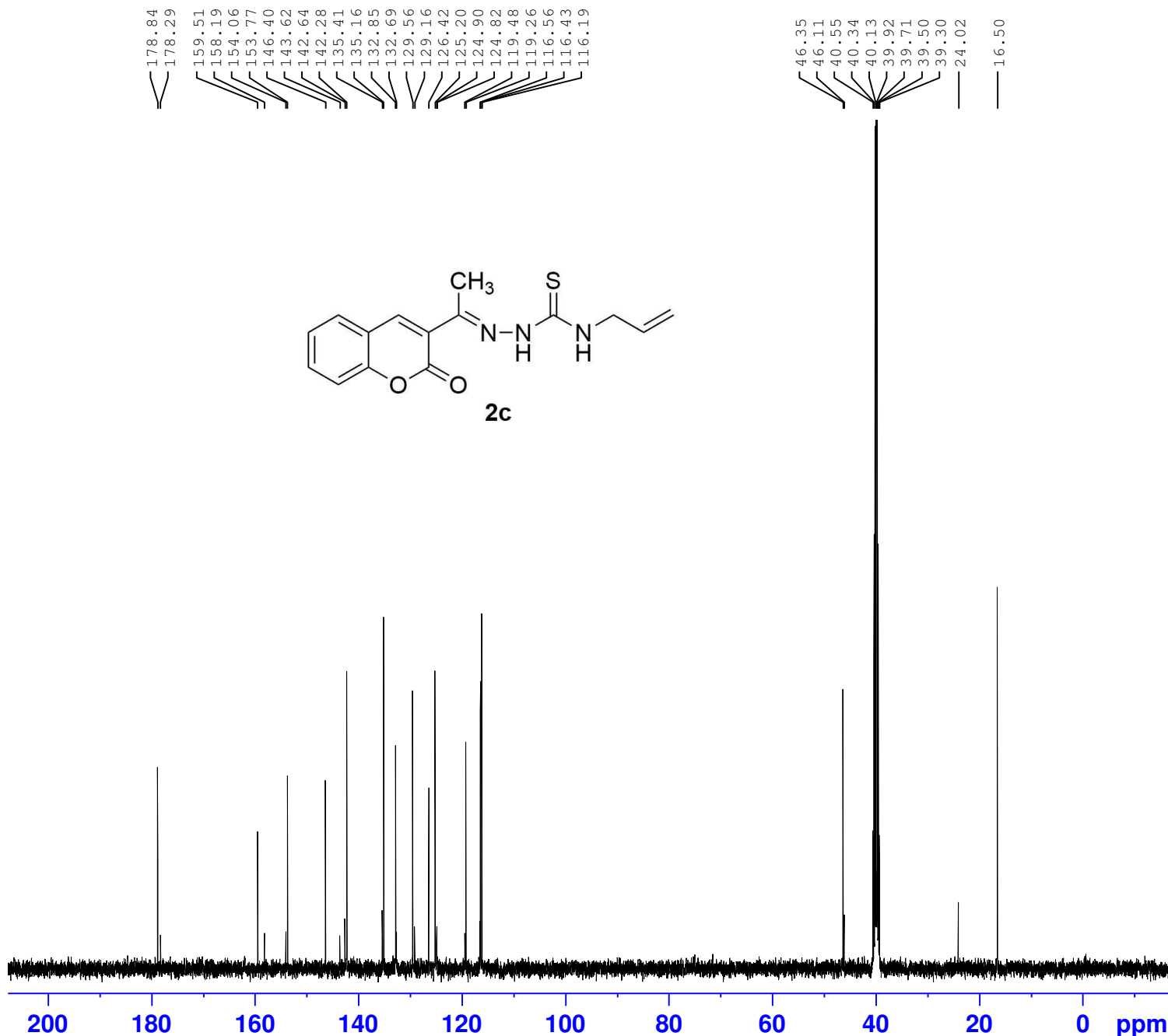
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 PROCNO 1

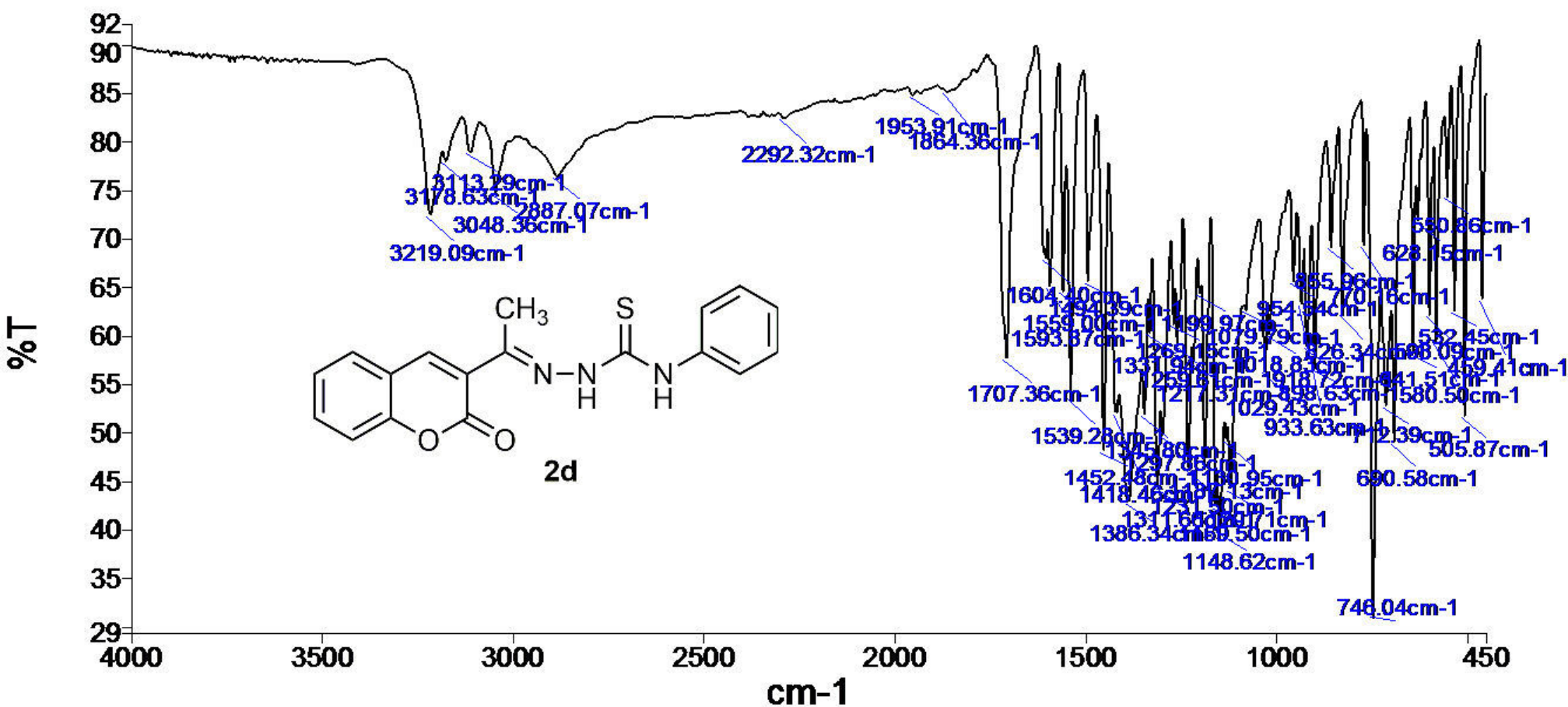
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 Time 13.55
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 800
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631488 sec
 RG 205.37
 DW 20.800 usec
 DE 6.50 usec
 TE 300.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 100.6278588 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 47.00000000 W

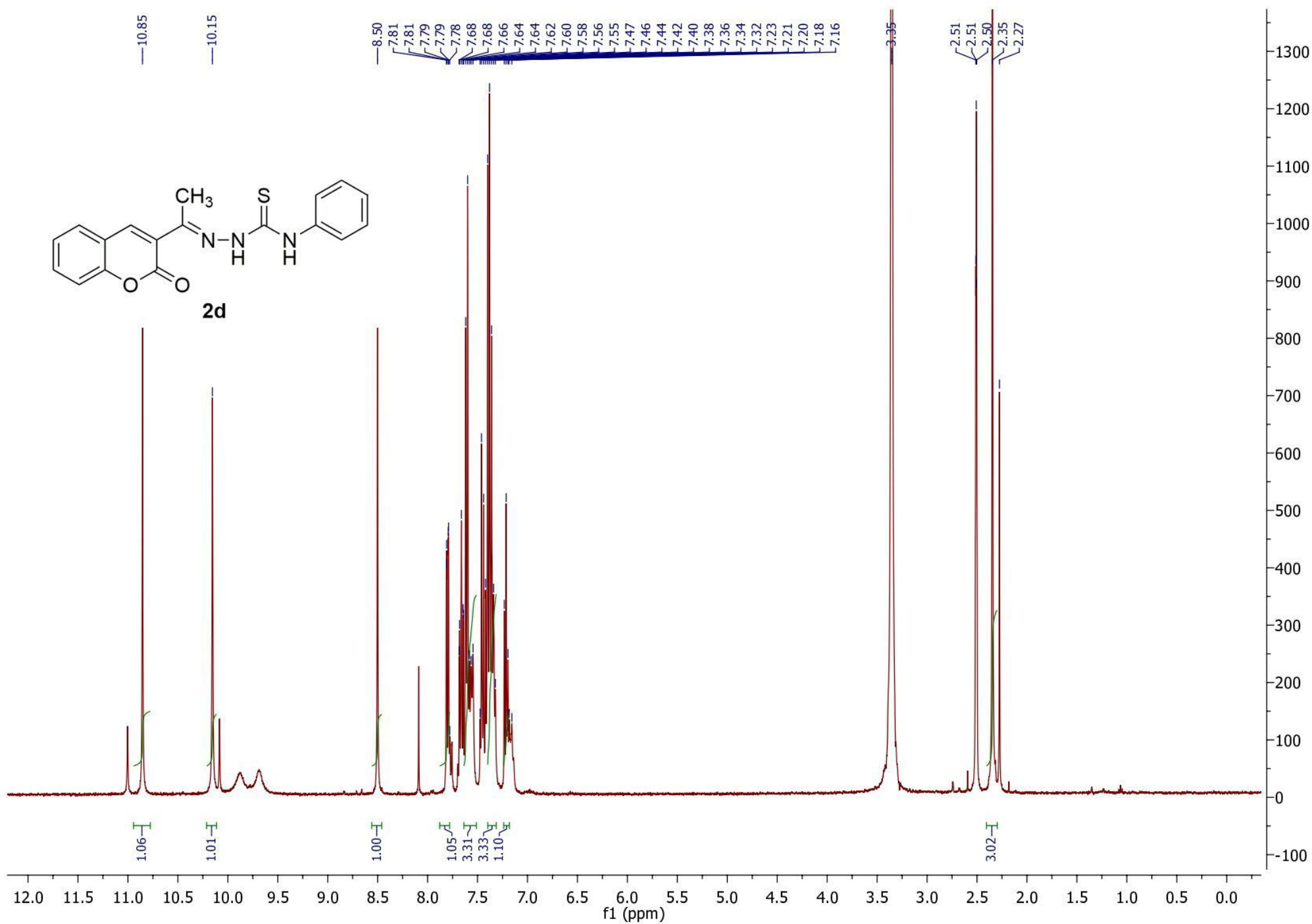
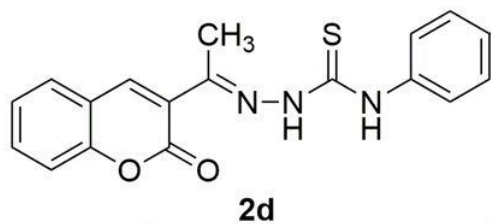
===== CHANNEL f2 =====
 SFO2 400.1516006 MHz
 NUC2 1H
 CPDPRG[2] waltz16
 PCPD2 90.00 usec
 PLW2 18.00000000 W
 PLW12 0.34722000 W
 PLW13 0.28125000 W

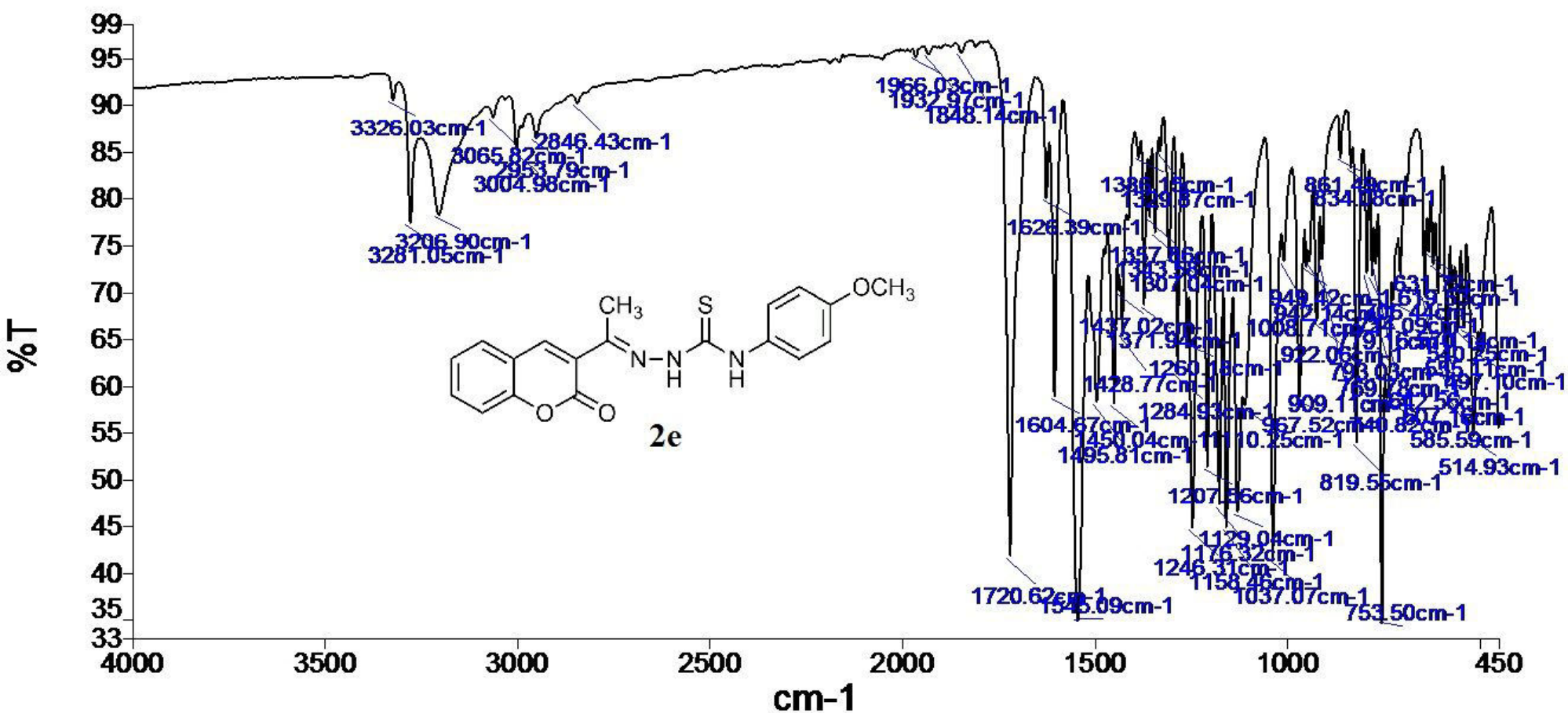
F2 - Processing parameters
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 SF 100.6177975 MHz
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 LB 1.00 Hz
 GB 0
 PC 1.40





Name	Description
TH2d_1	Sample 2094 By PEService Date Tuesday, January 01 2013



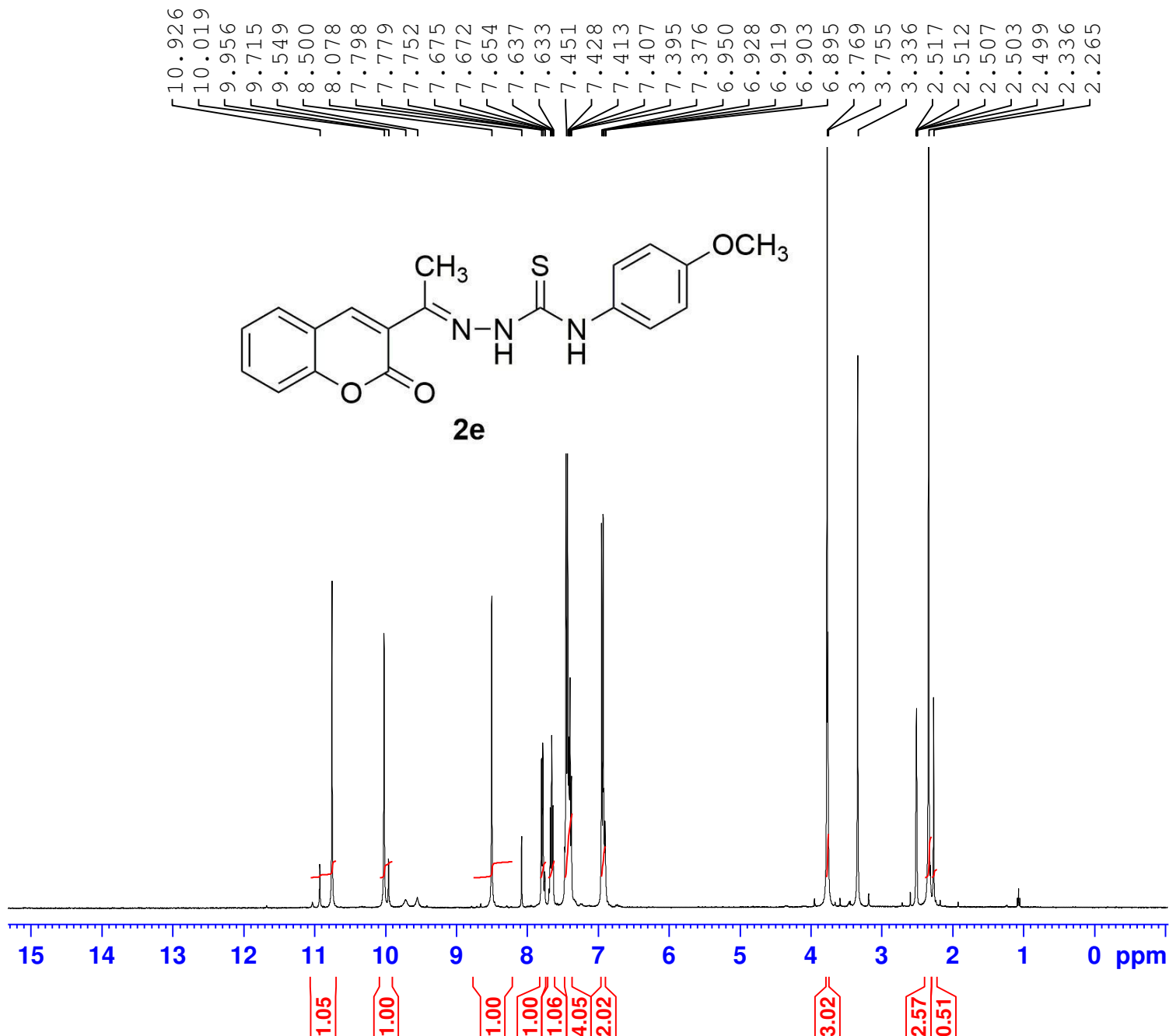


Name

Description

H8

Sample 2070 By PEService Date Tuesday, January 01 2013

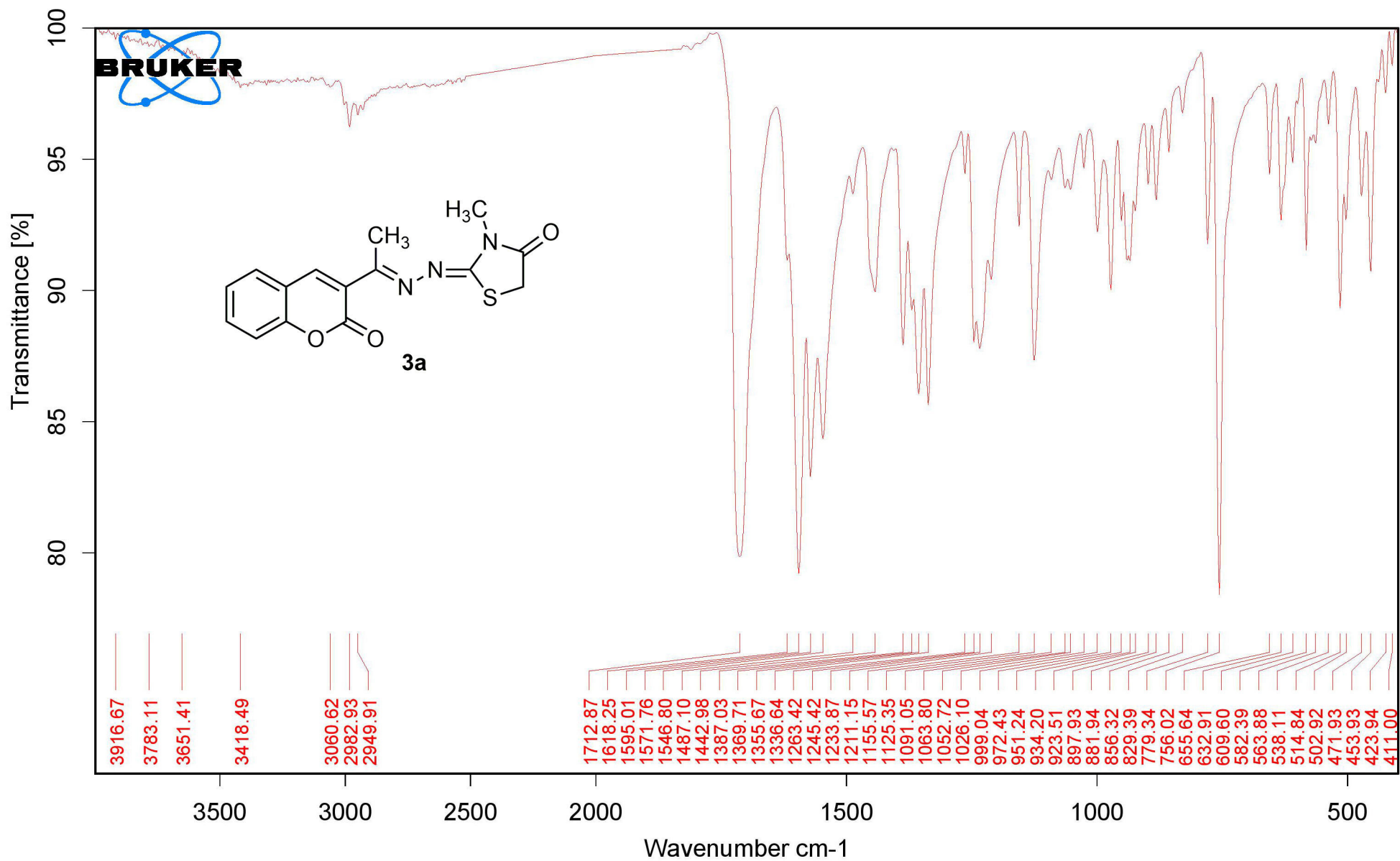


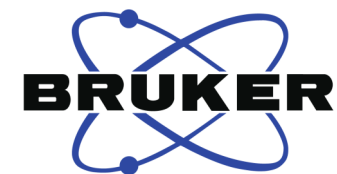
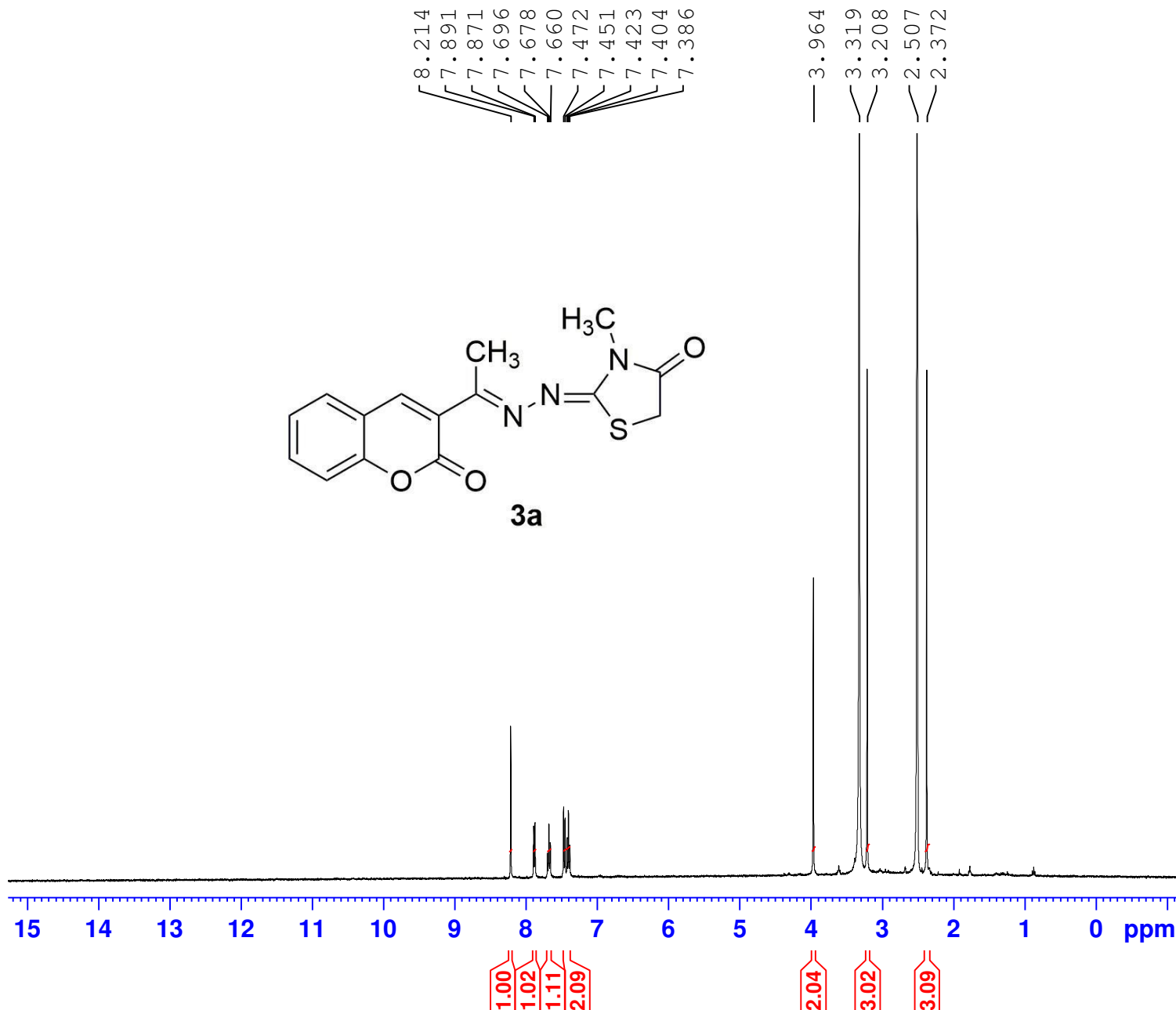
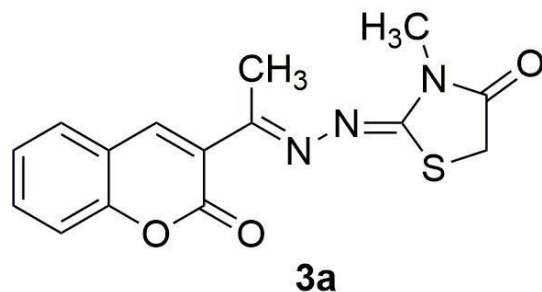
Current Data Parameters
 NAME samir-youssef-ThOCH3
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
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 Time 16.48
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 26
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
 SI 65536
 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



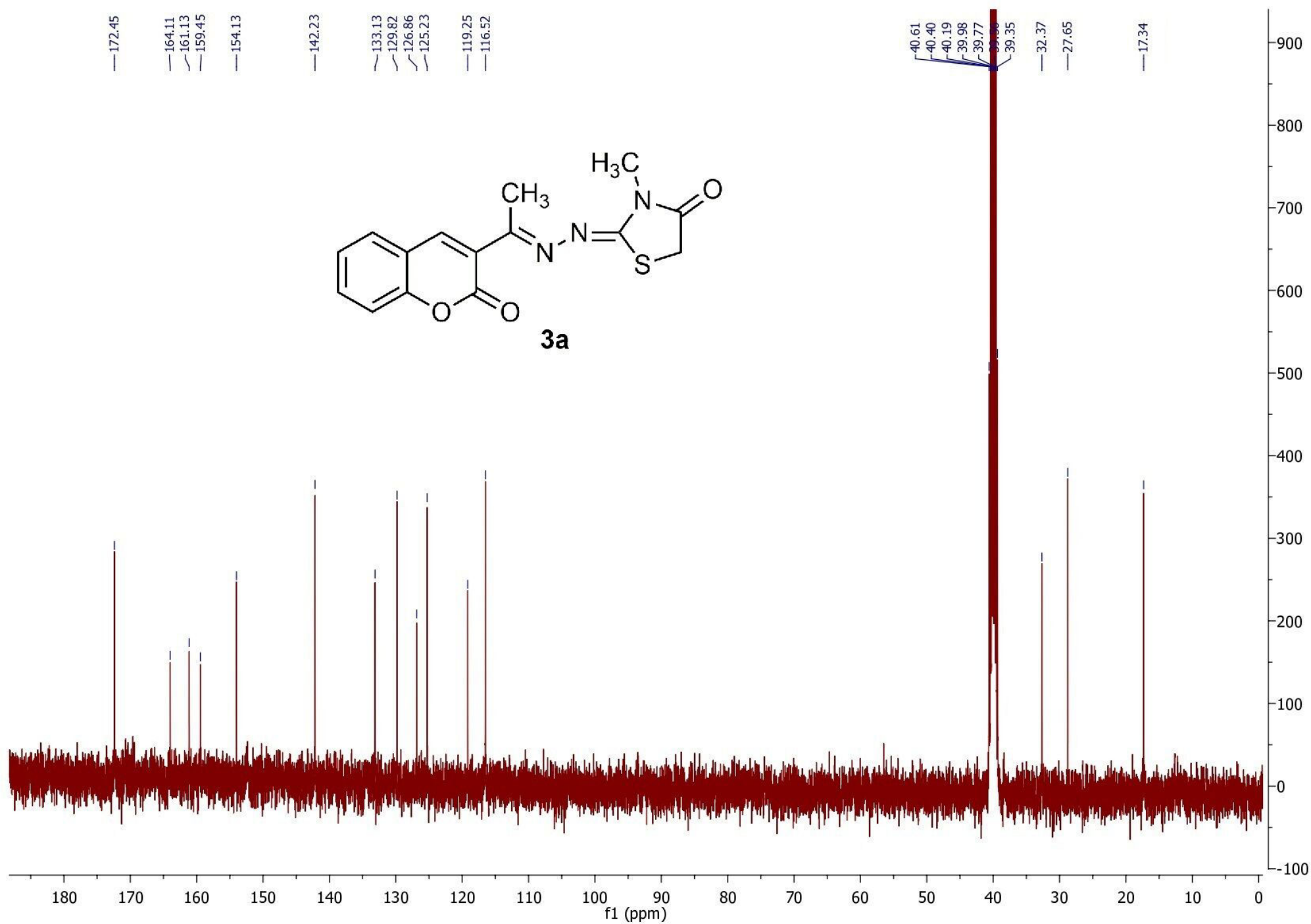
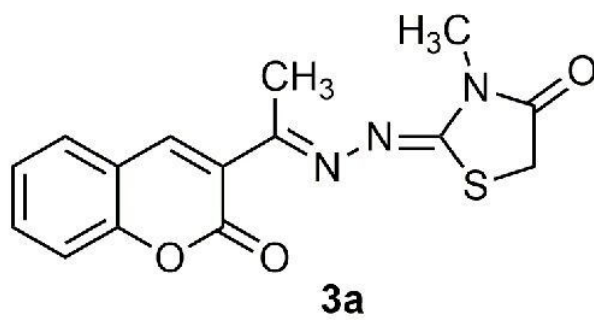


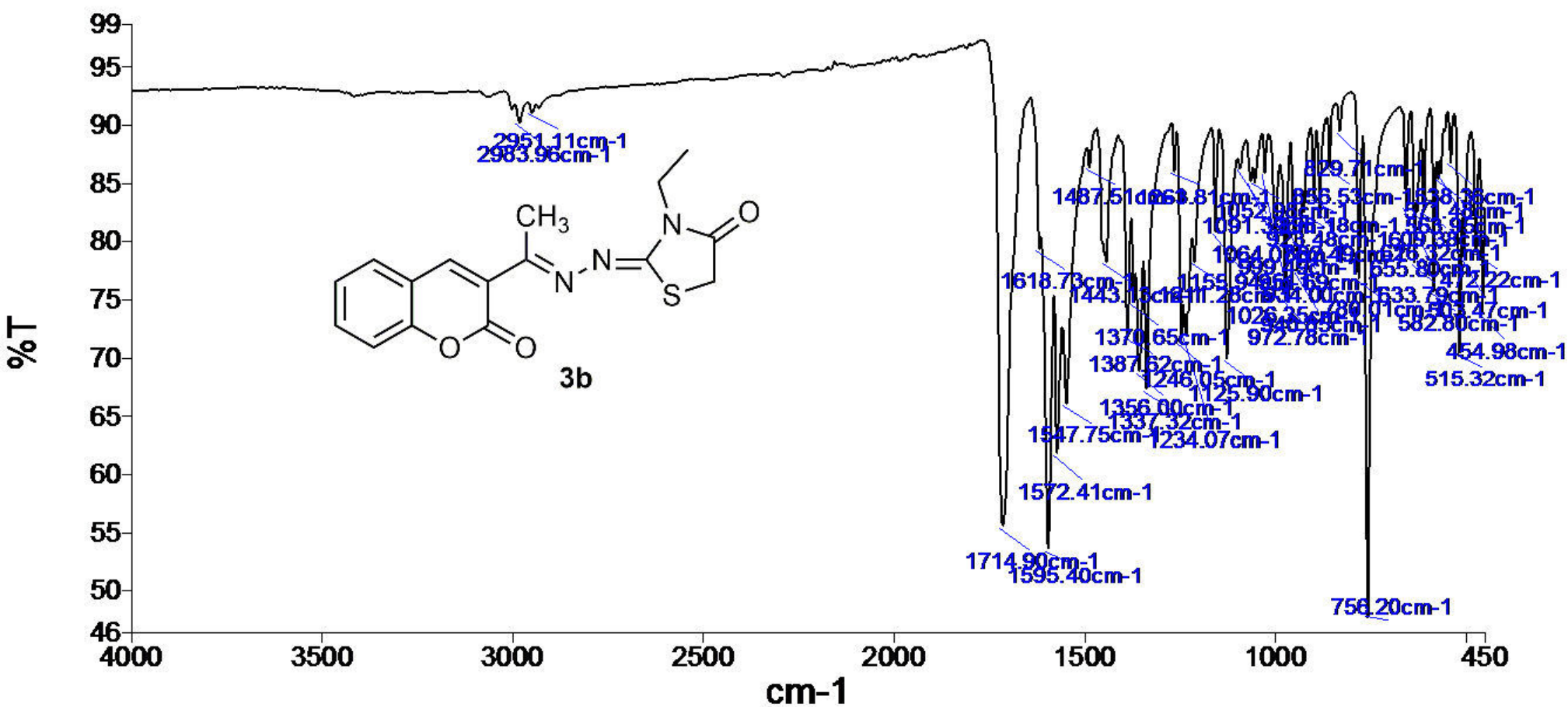
Current Data Parameters
 NAME samir-youssef-ThmeA
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20221023
 Time 16.19
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 128
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
 SI 65536
 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



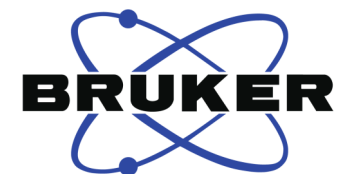


Name

Description

Th3b

Sample 2068 By PEService Date Tuesday, January 01 2013

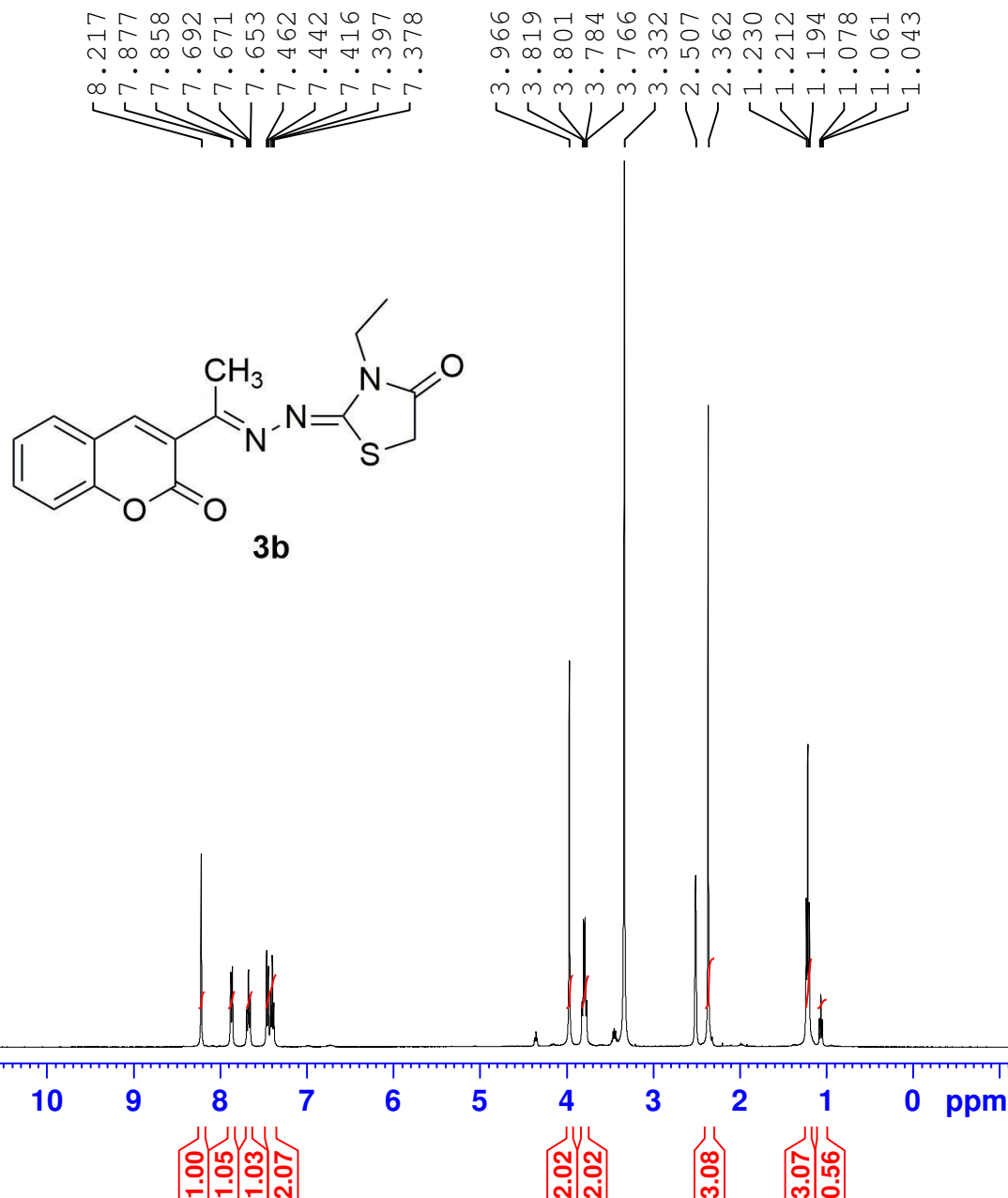


Current Data Parameters
 NAME samir-youssef-THAIA-r
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20230123
 Time 14.36
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 92
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
 SI 65536
 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





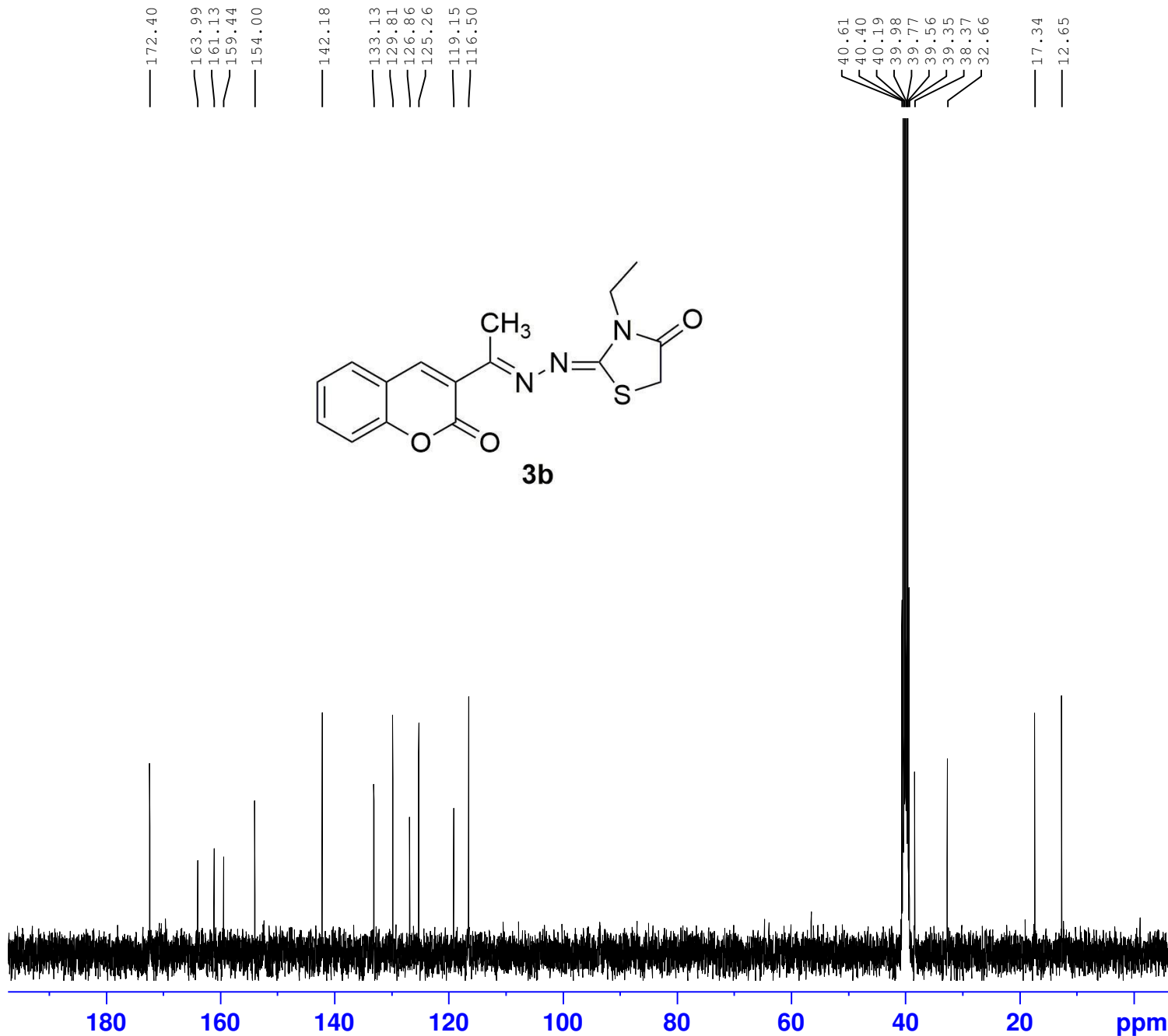
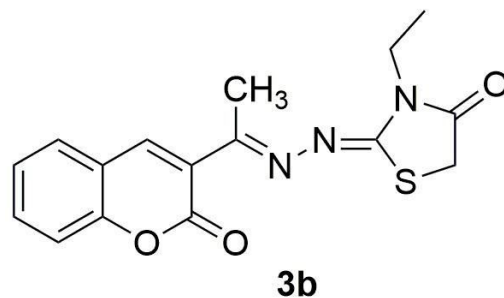
Current Data Parameters
NAME samir-youssef-ThAIA
EXPNO 3
PROCNO 1

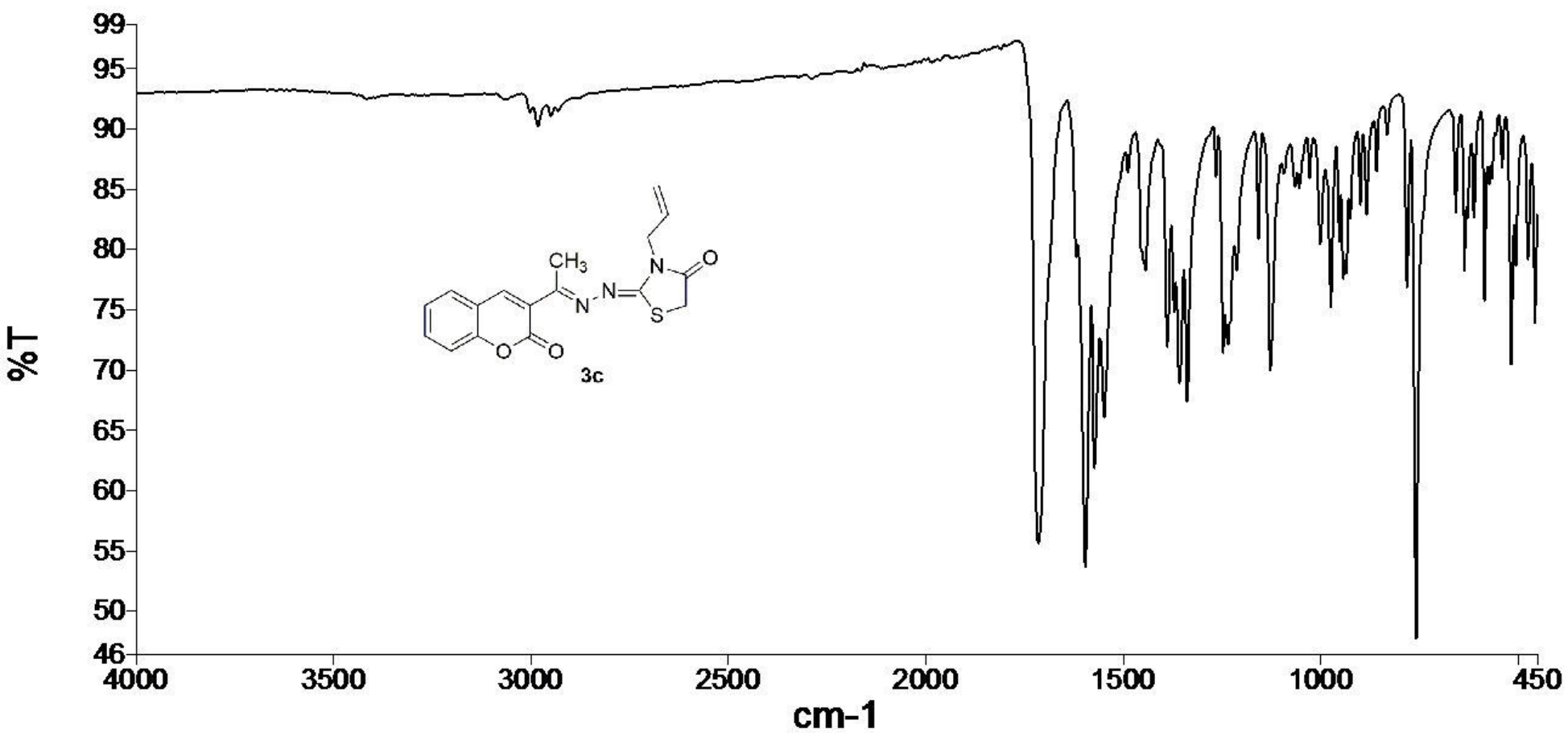
F2 - Acquisition Parameters
Date_ 20230111
Time 15.16
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1203
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631488 sec
RG 205.37
DW 20.800 usec
DE 6.50 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 100.6278588 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.00000000 W

===== CHANNEL f2 =====
SFO2 400.1516006 MHz
NUC2 1H
CPDPRG[2] waltz16
PCPD2 90.00 usec
PLW2 18.00000000 W
PLW12 0.34722000 W
PLW13 0.28125000 W

F2 - Processing parameters
SI 32768
SF 100.6177975 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



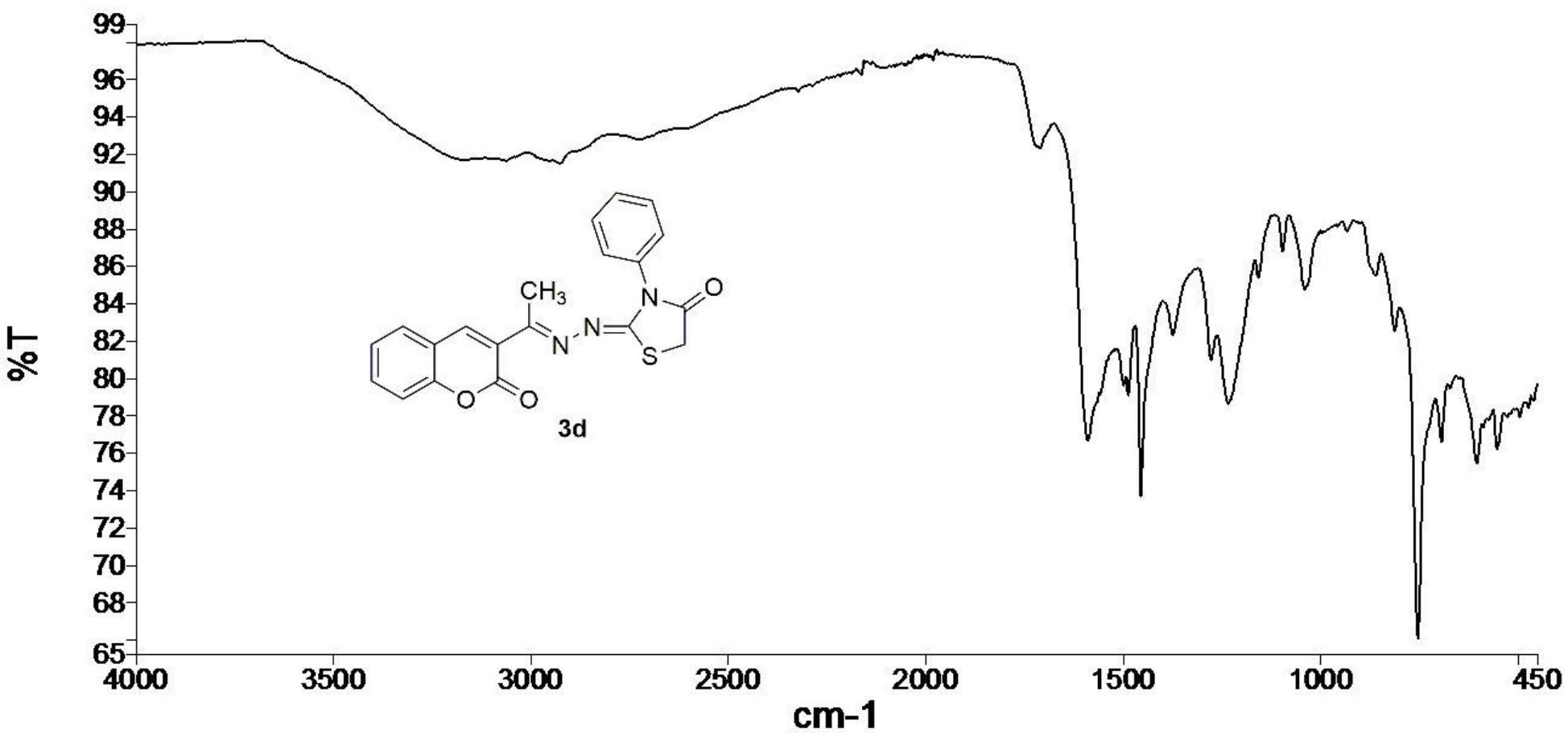


Name

Description

Th3b

Sample 2068 By PEService Date Tuesday, January 01 2013

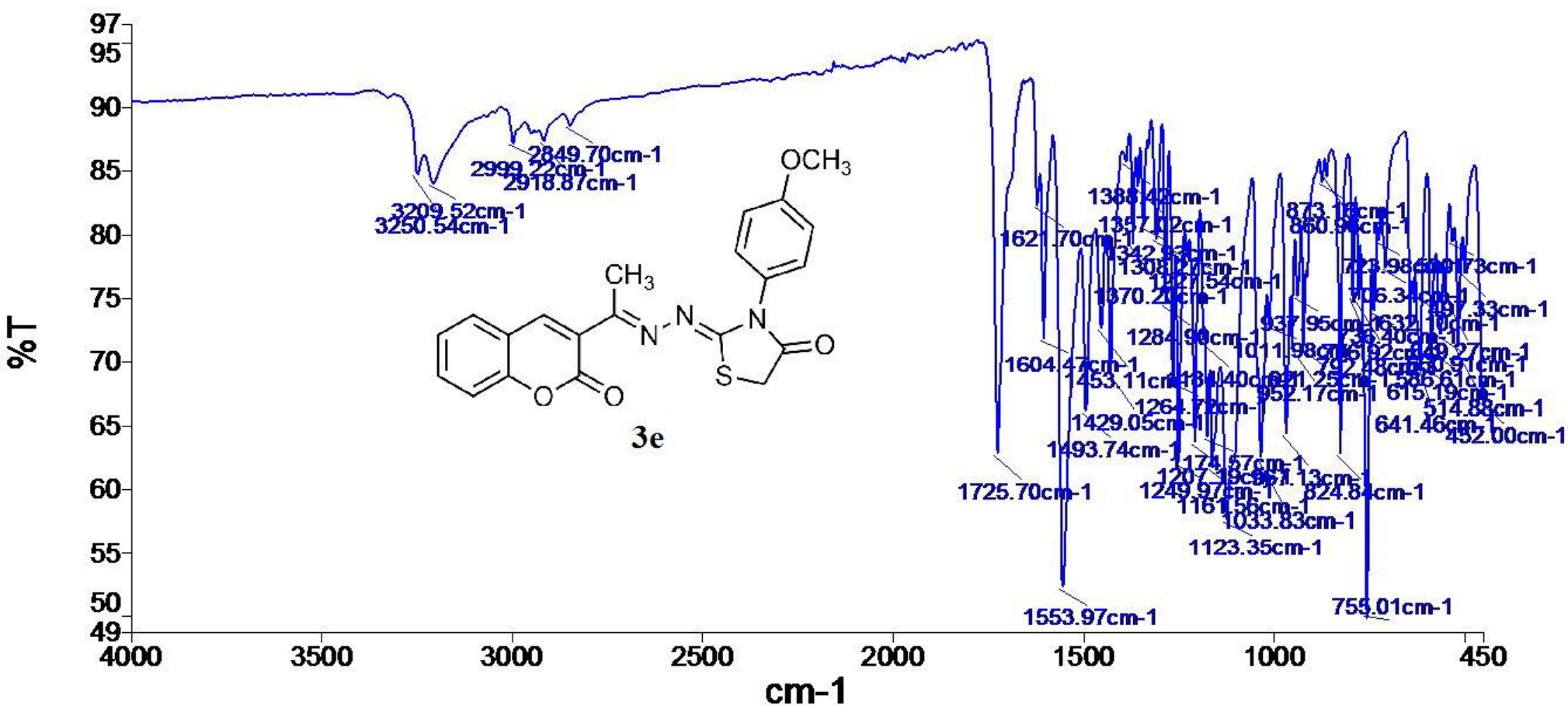


Name

Description

Th3d

Sample 2087 By PEService Date Tuesday, January 01 2013

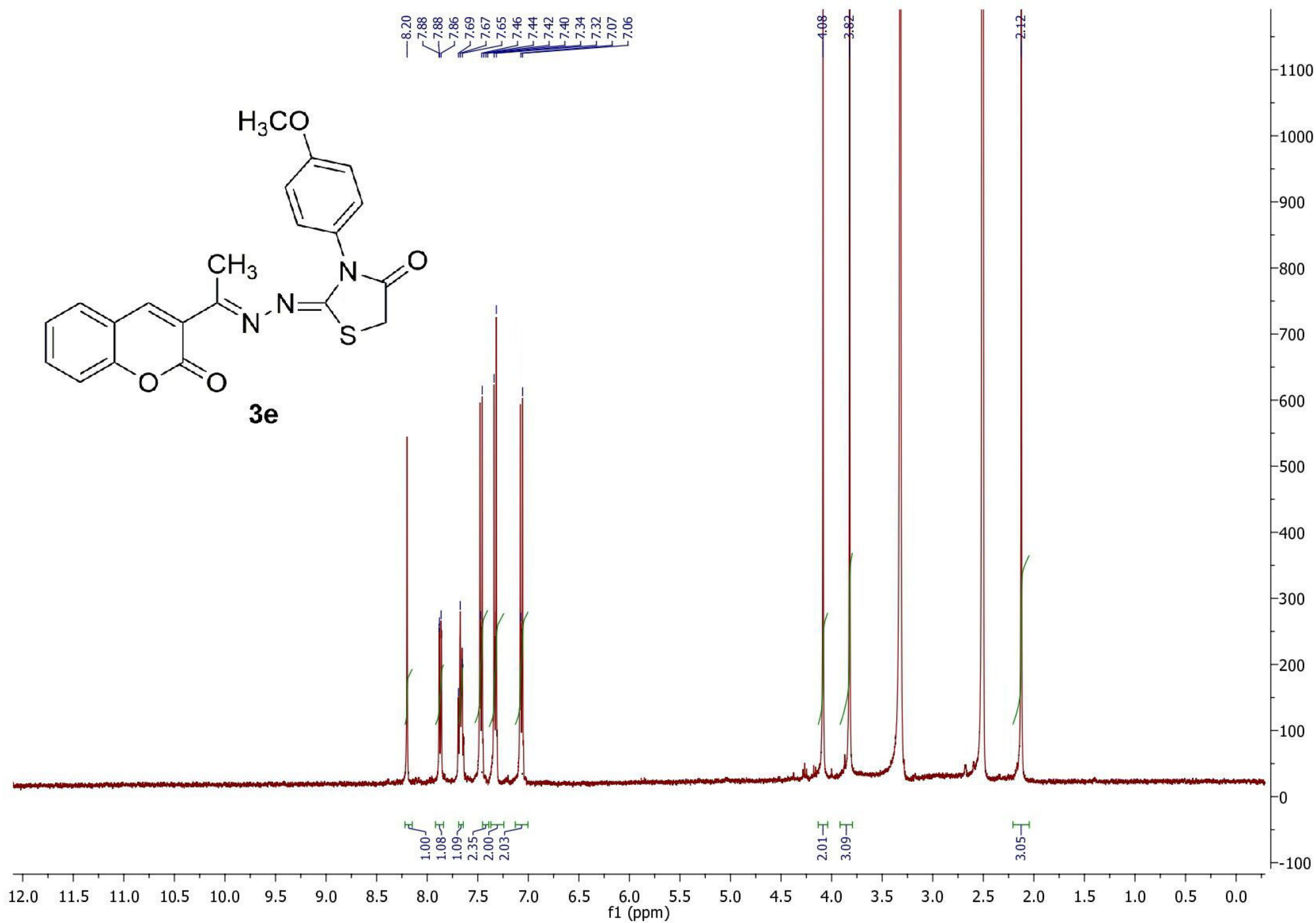


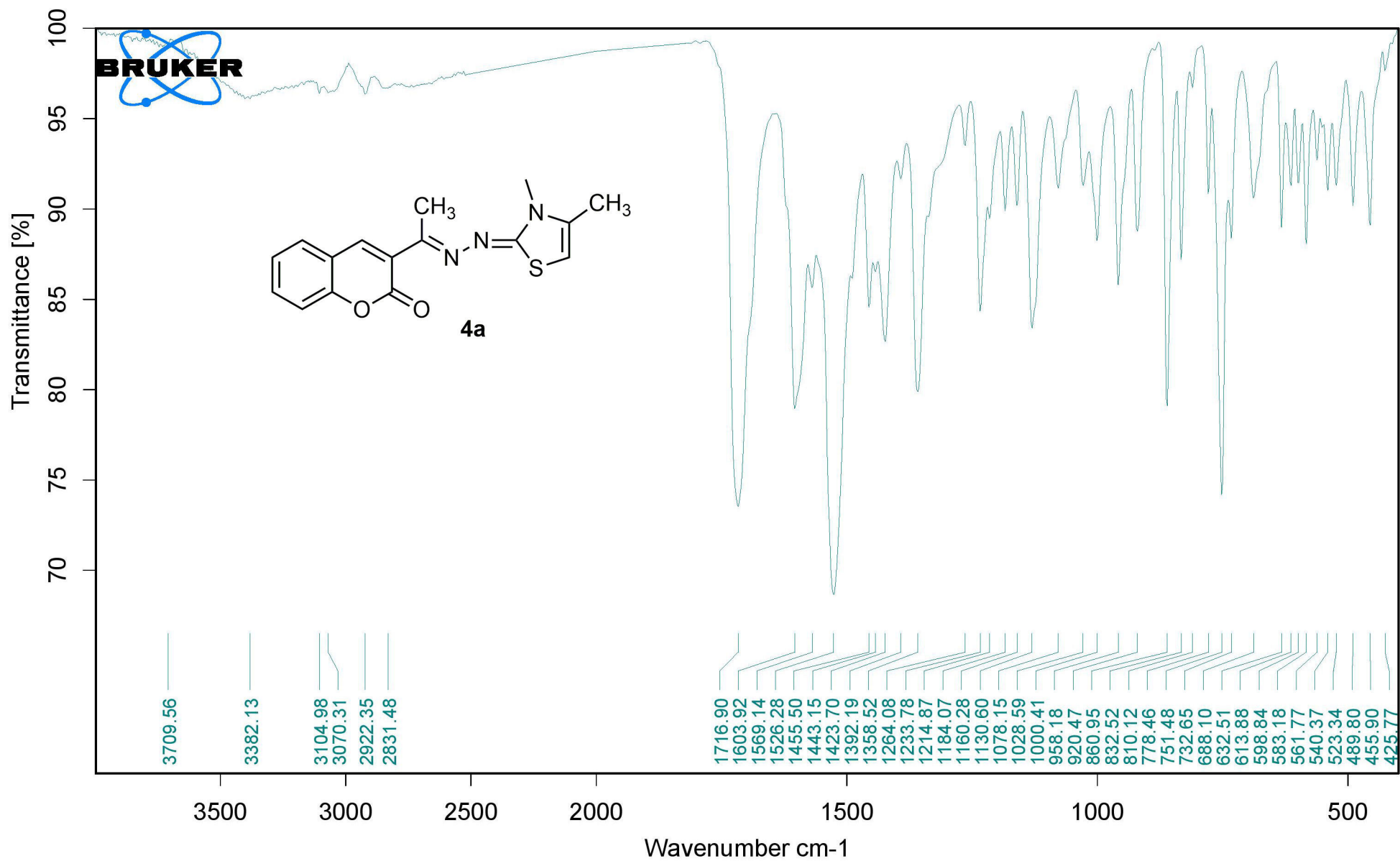
Name

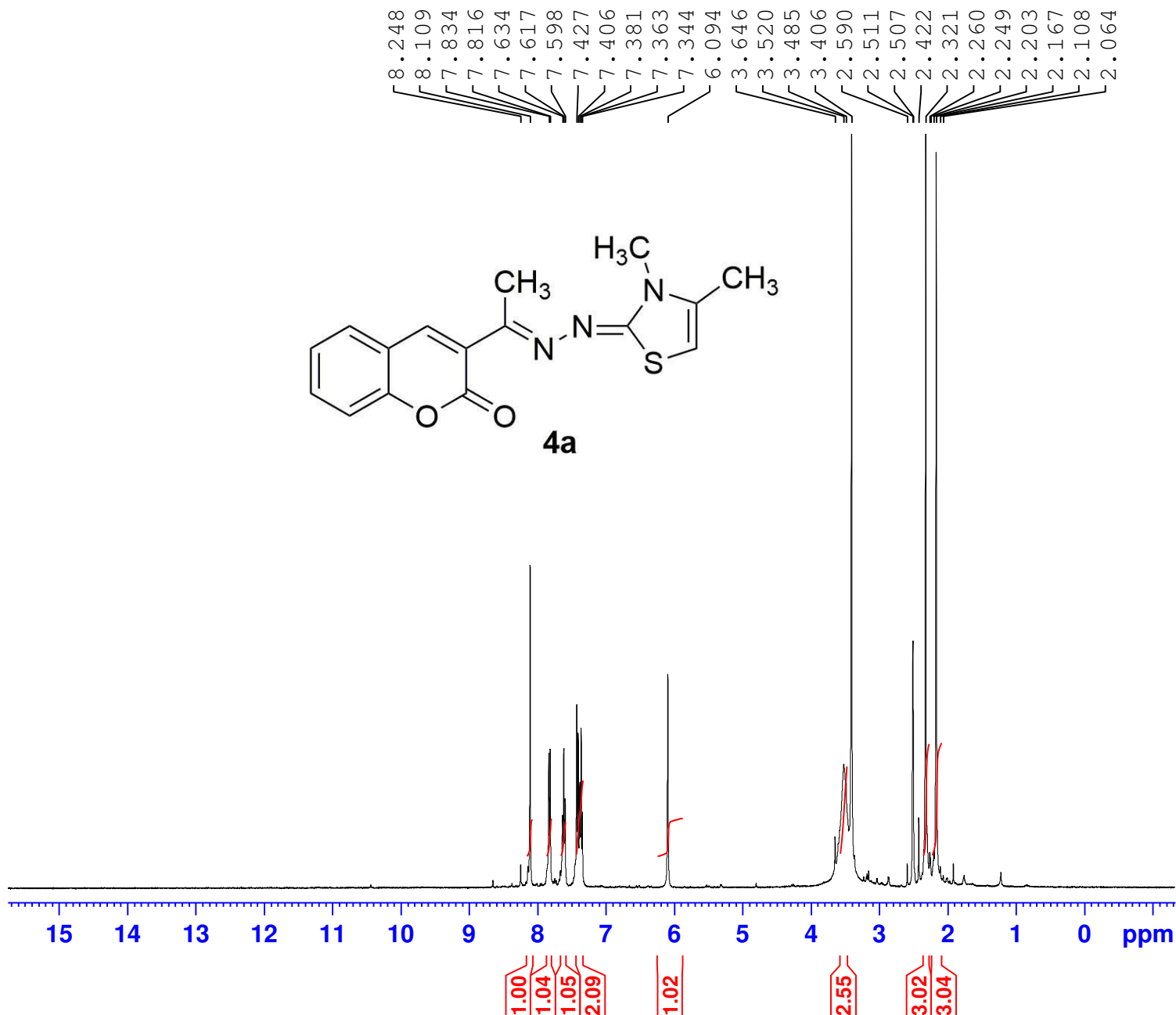
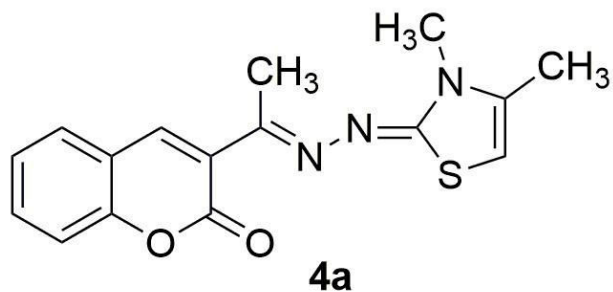
Description

H9

Sample 2073 By PEService Date Tuesday, January 01 2013





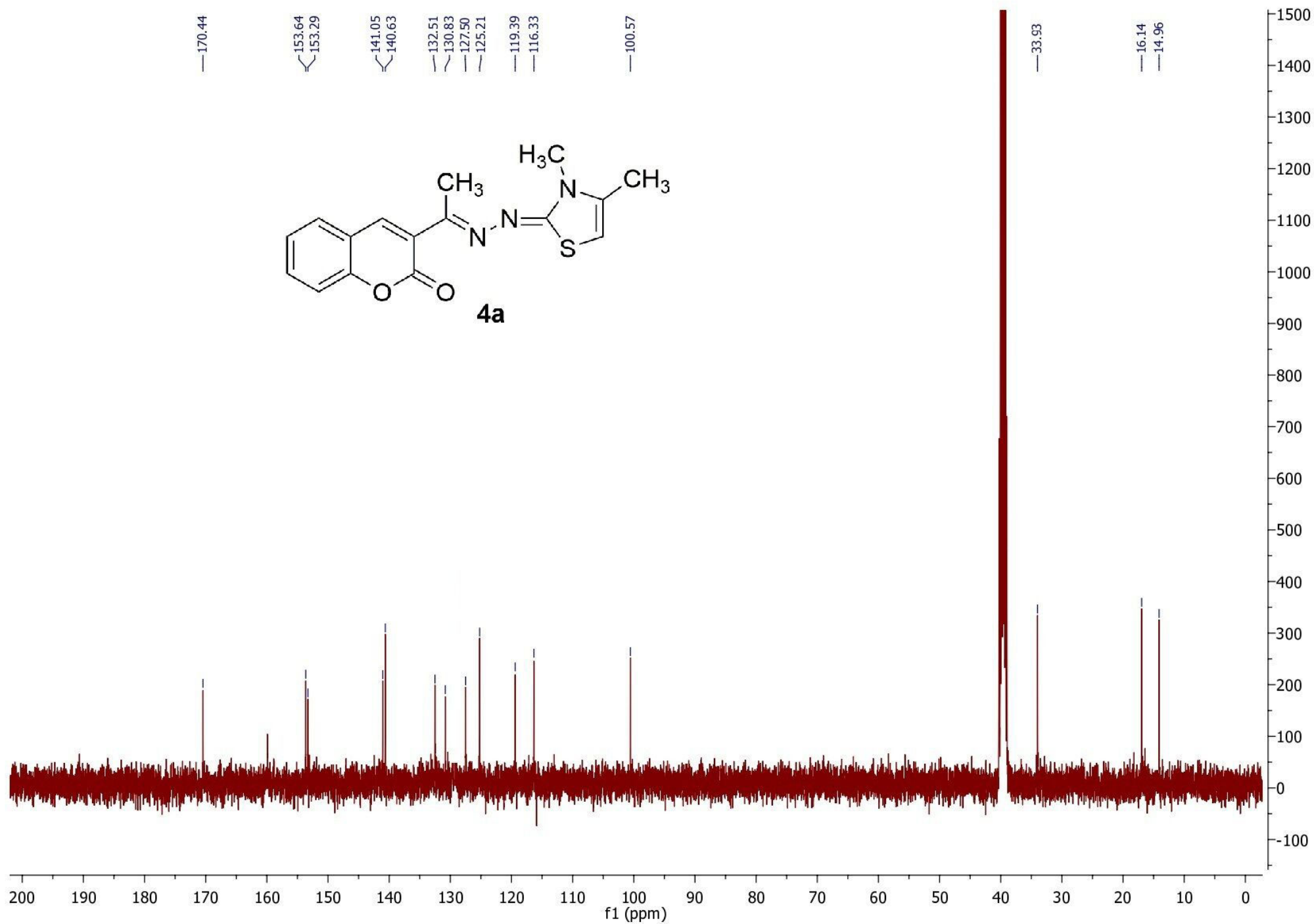


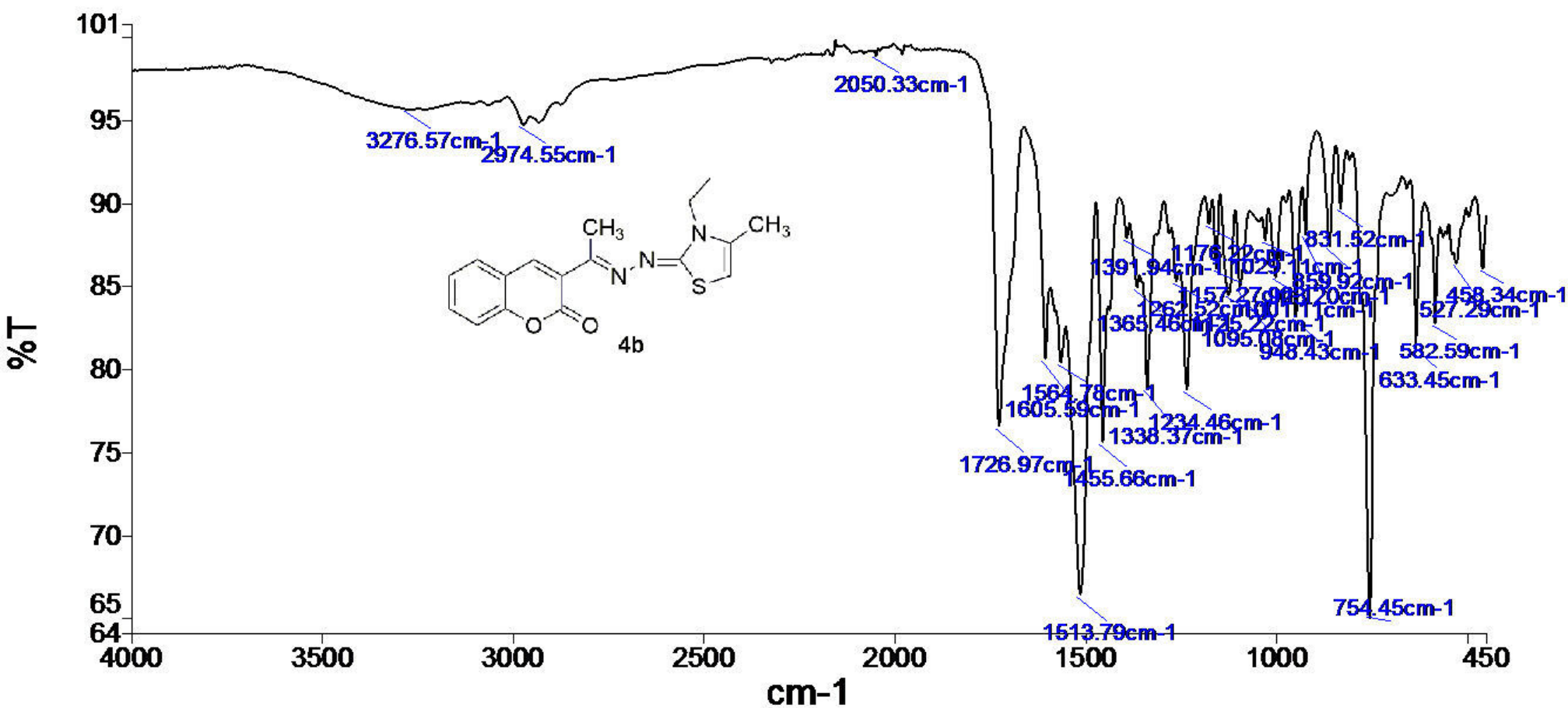
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 NAME samir-youssef-ThmeB
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20221023
 Time 17.39
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 22
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
 SI 65536
 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



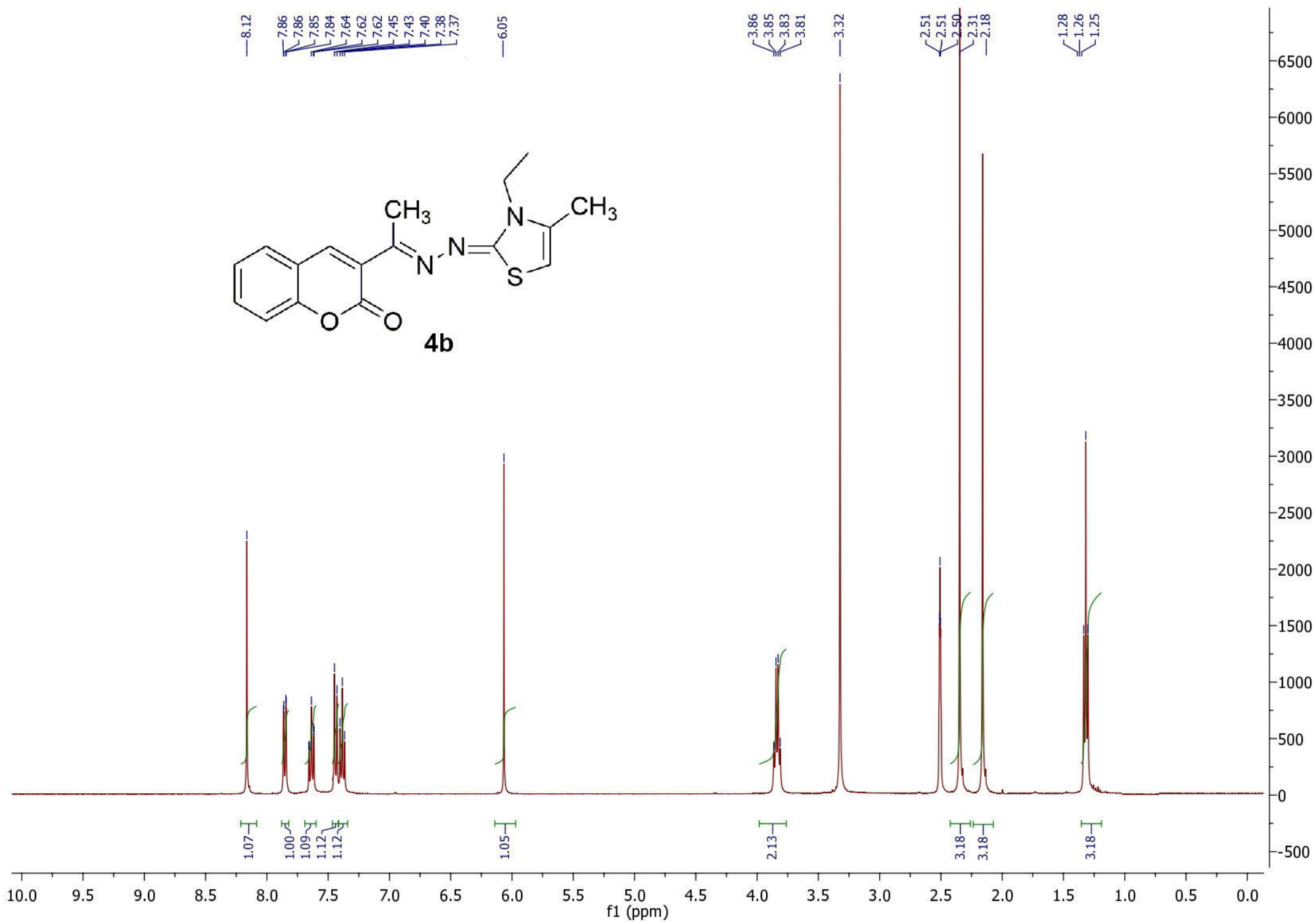
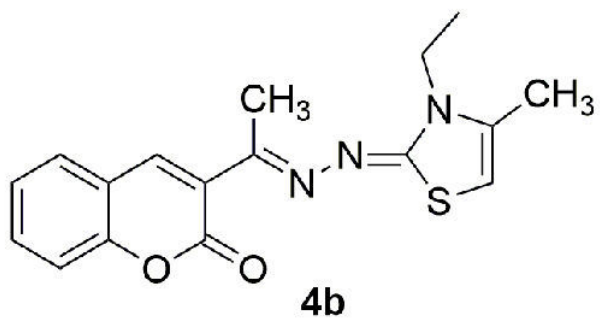


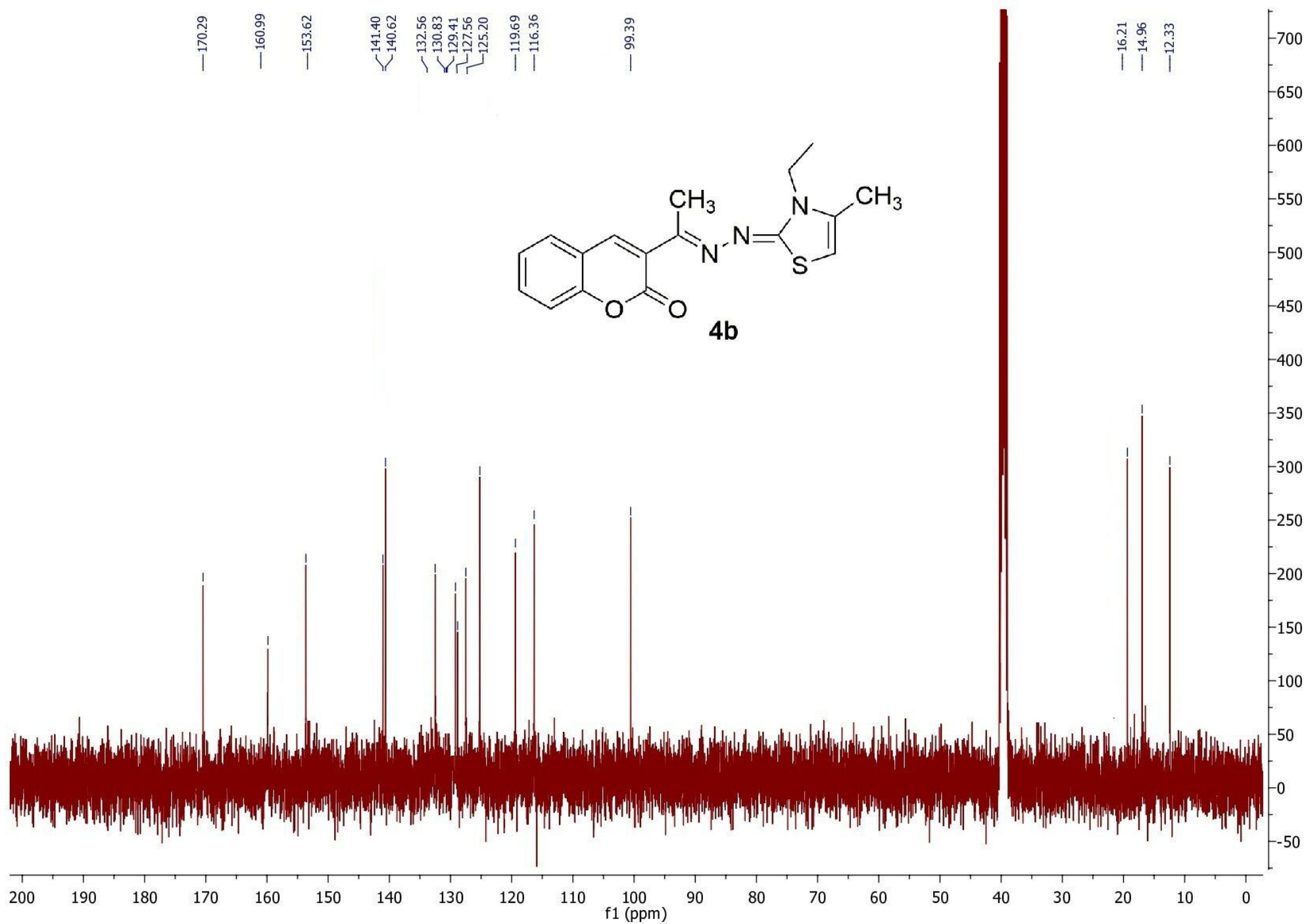
Name

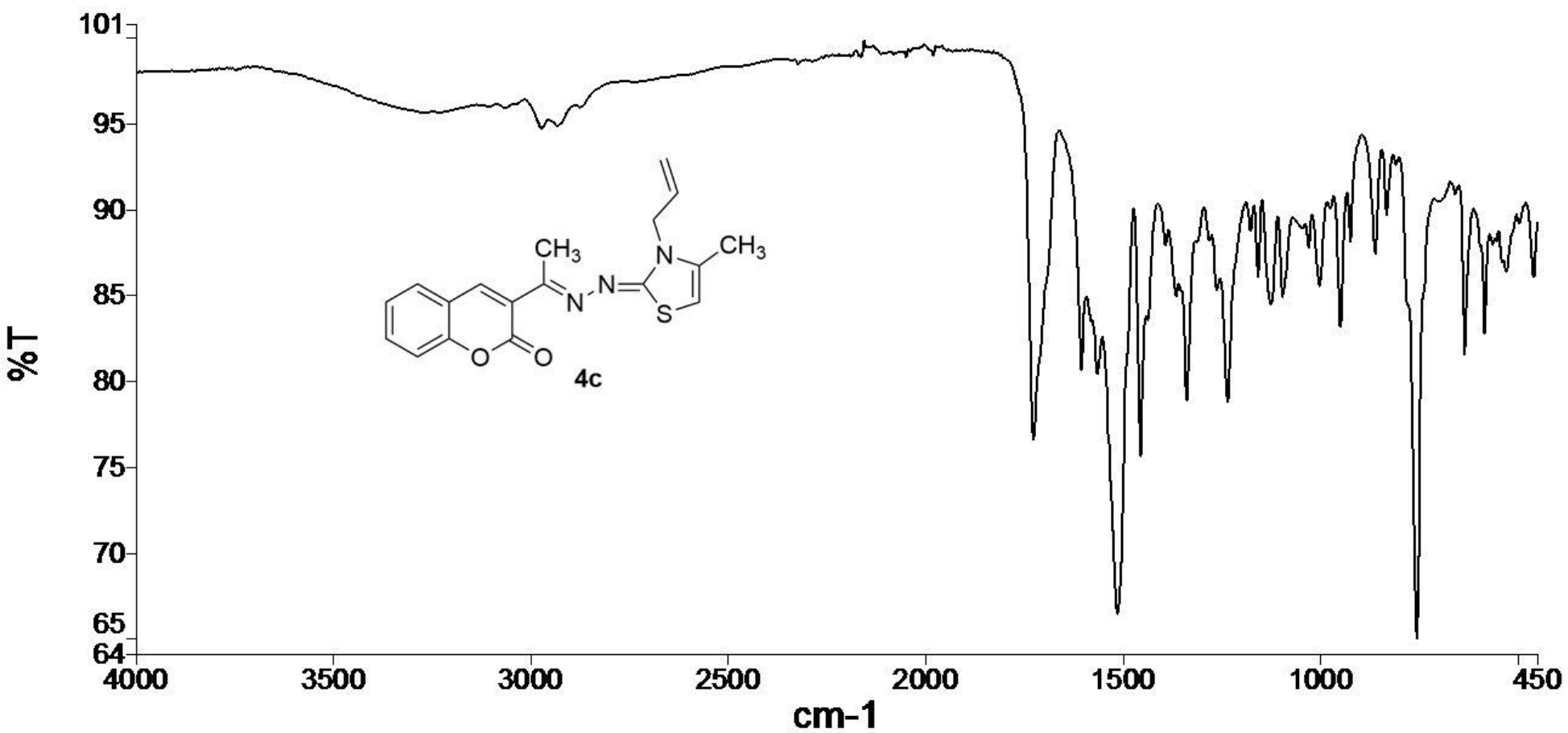
Description

Th4b

Sample 2067 By PEService Date Tuesday, January 01 2013





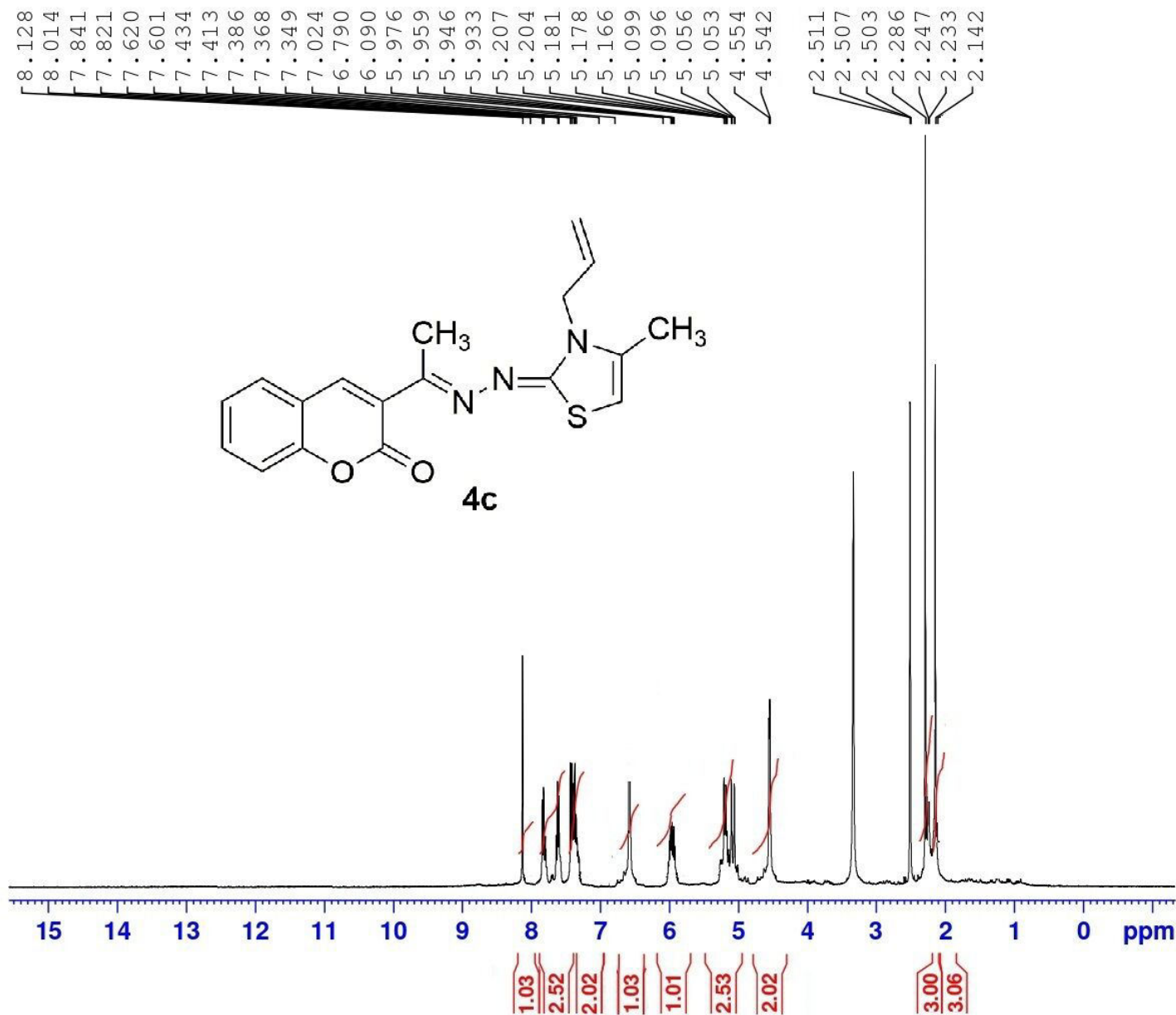


Name

Description

Th4b

Sample 2067 By PEService Date Tuesday, January 01 2013

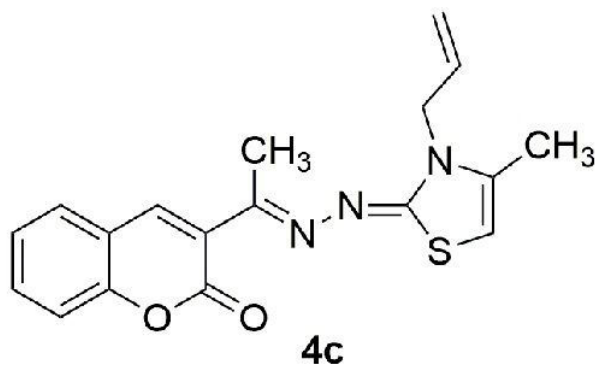


Current Data Parameters
 NAME samir-youssef-ThAIB
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20230101
 Time 16.41
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 128
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

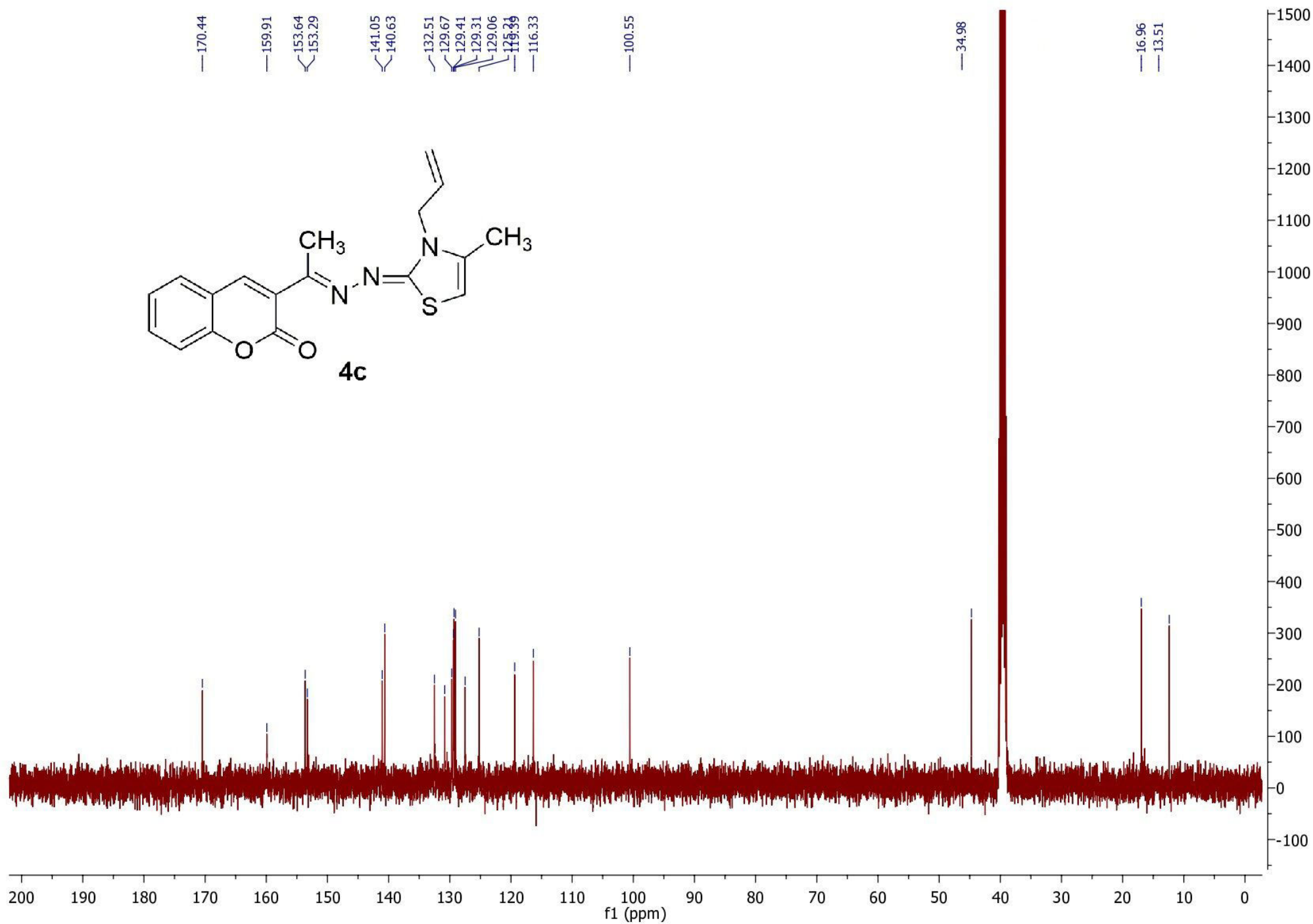
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 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

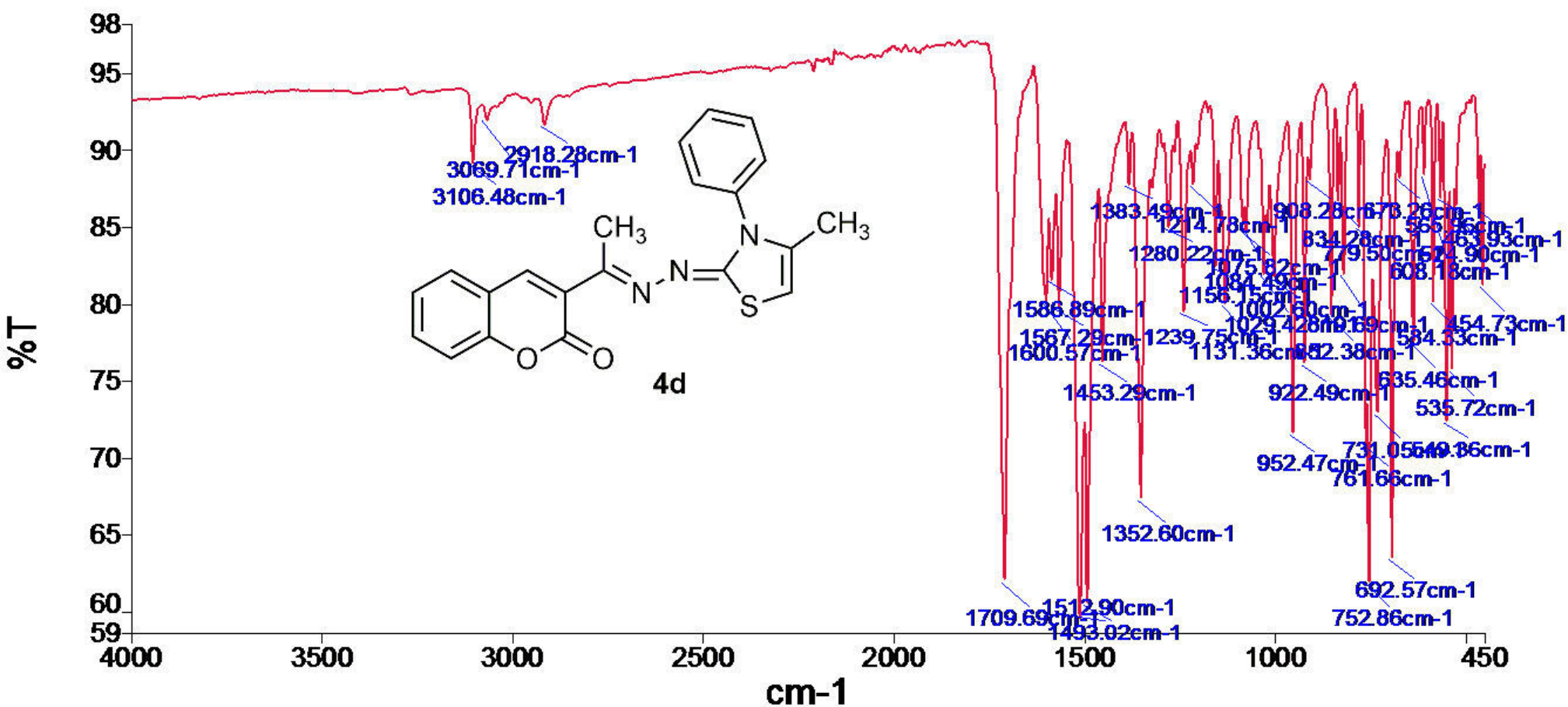
F2 - Processing parameters
 SI 65536
 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



Chemical shift values (ppm) for ¹³C NMR:

- 170.44
- 159.91
- 153.64
- 153.29
- 141.05
- 140.63
- 132.51
- 129.67
- 129.41
- 129.31
- 129.06
- 119.39
- 119.34
- 116.33
- 100.55



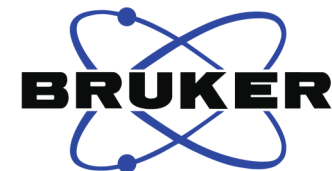


Name

Description

Th4d

Sample 2089 By PEService Date Tuesday, January 01 2013

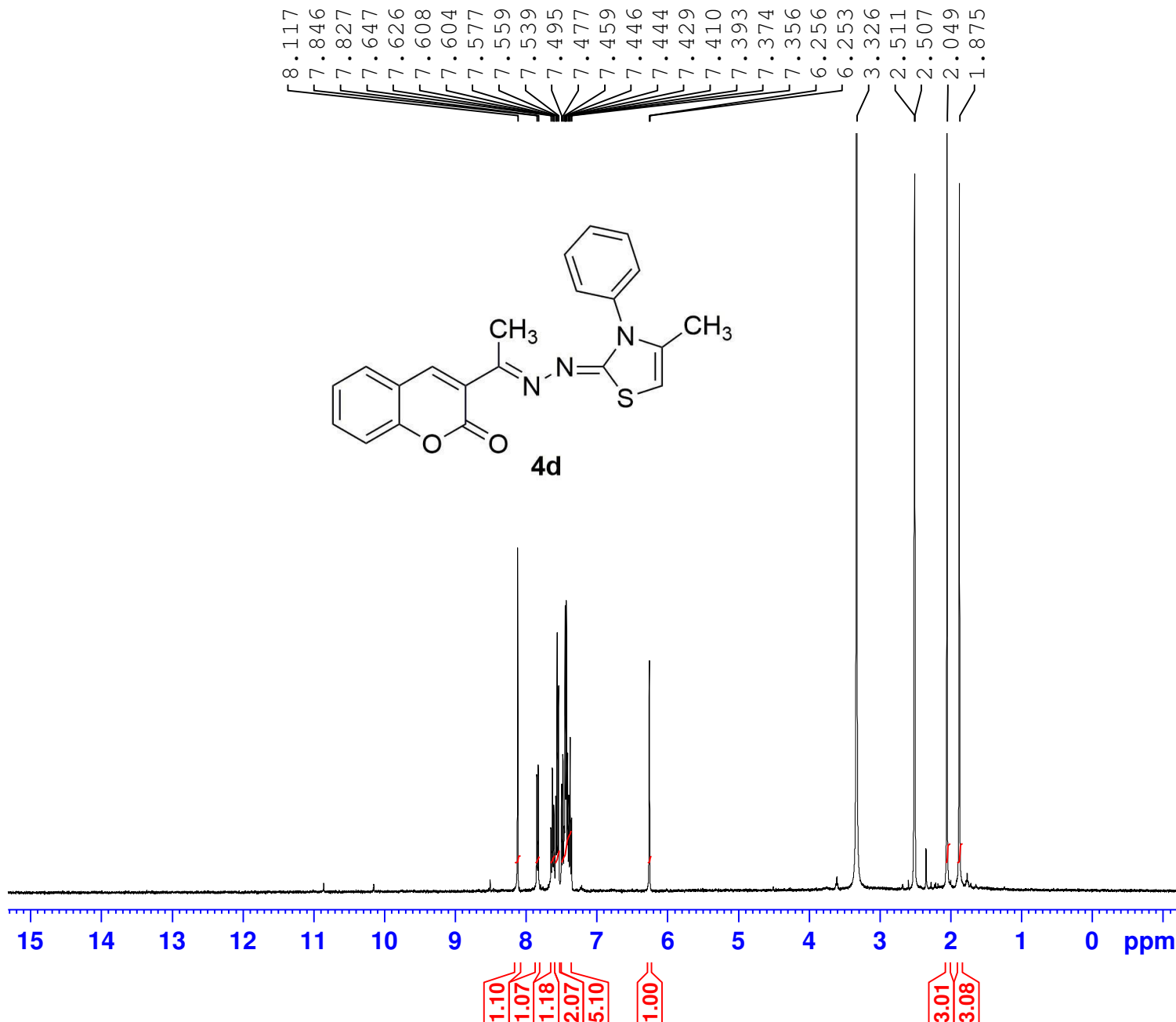


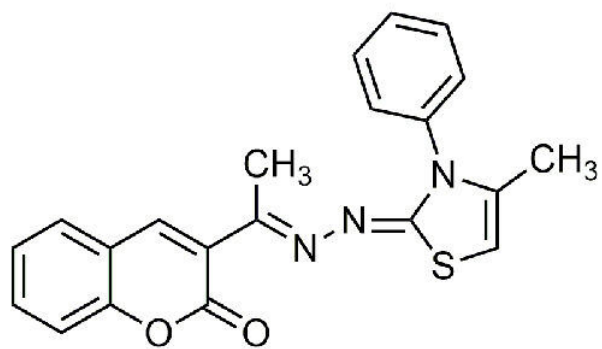
Current Data Parameters
 NAME samir-youssef-ThPhB
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20221020
 Time 16.37
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 28
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

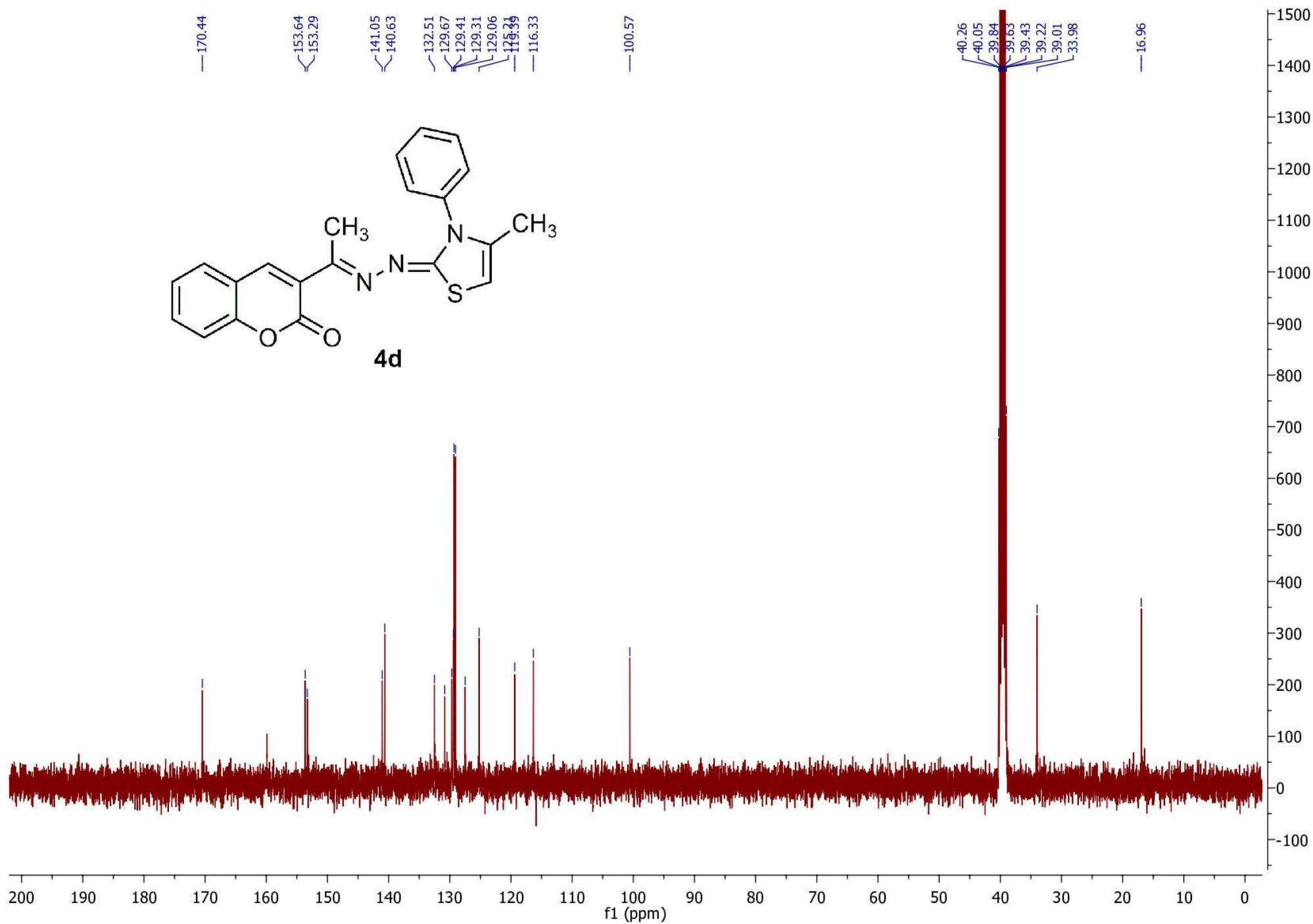
===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

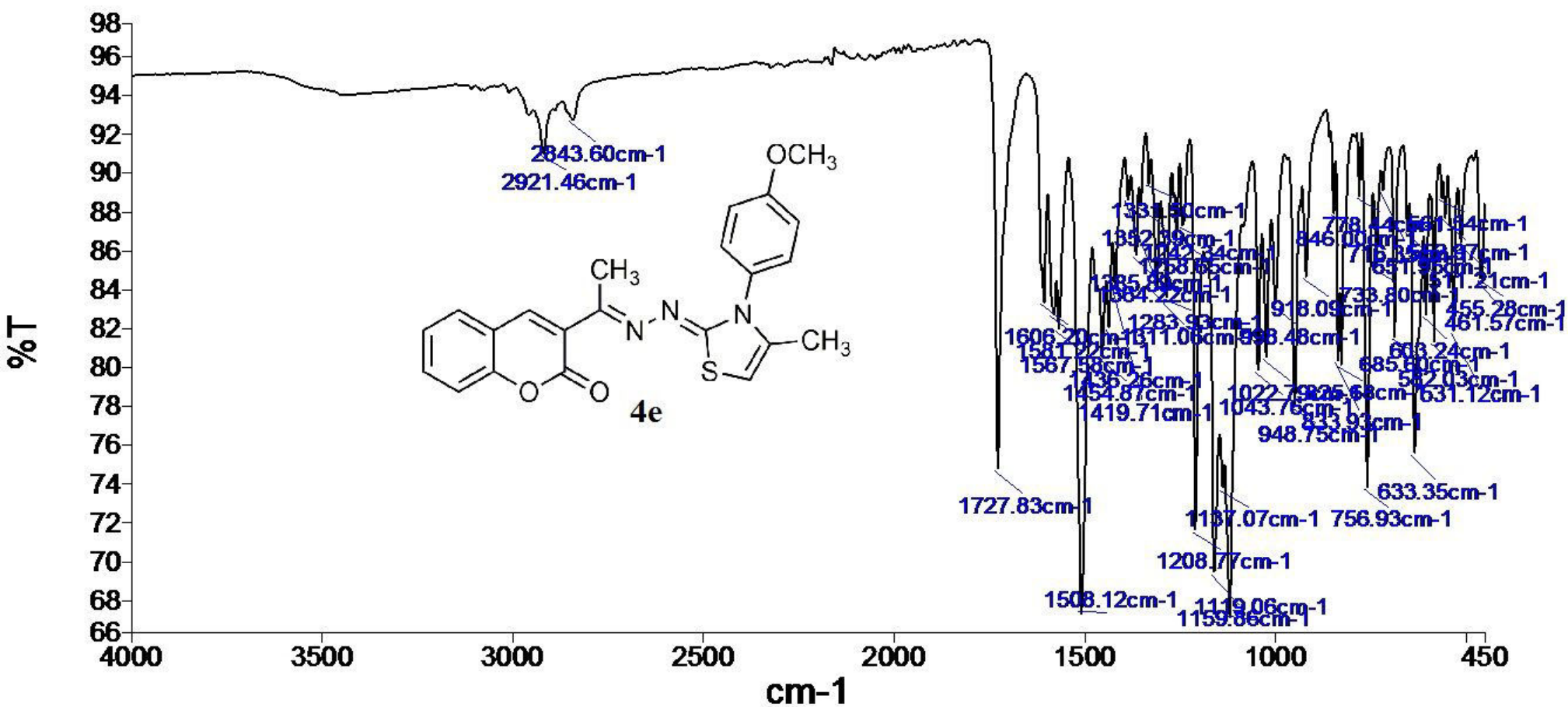
F2 - Processing parameters
 SI 65536
 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





4d





Name

Description

H10

Sample 2064 By PEService Date Tuesday, January 01 2013



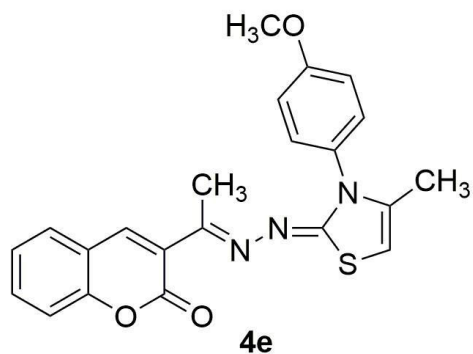
Current Data Parameters
NAME samir-youssef-THOCH3B
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20230119
Time 16.14
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 83
DS 2
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 205.37
DW 62.400 usec
DE 6.50 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 400.1524711 MHz
NUC1 1H
P1 12.00 usec
PLW1 18.00000000 W

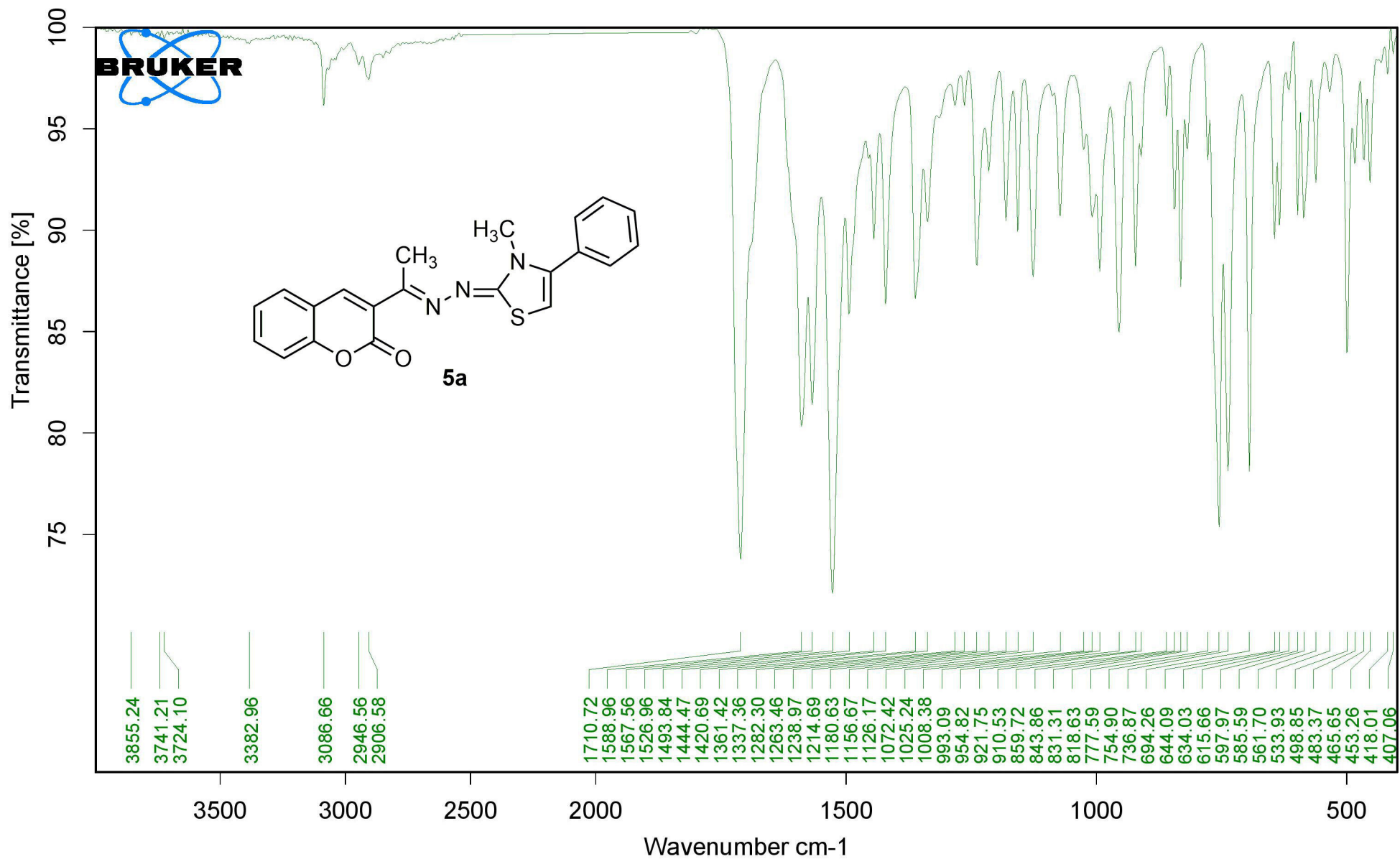
F2 - Processing parameters
SI 65536
SF 400.1500000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

8.111
7.840
7.823
7.821
7.645
7.642
7.624
7.606
7.603
7.429
7.409
7.390
7.372
7.352
7.330
7.086
7.064
6.218
6.215
3.831
3.324
2.511
2.507
2.503
2.065
1.859
1.858



15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 ppm

0.55
0.55
0.54
2.05
1.00
0.50
1.54
1.50
1.50



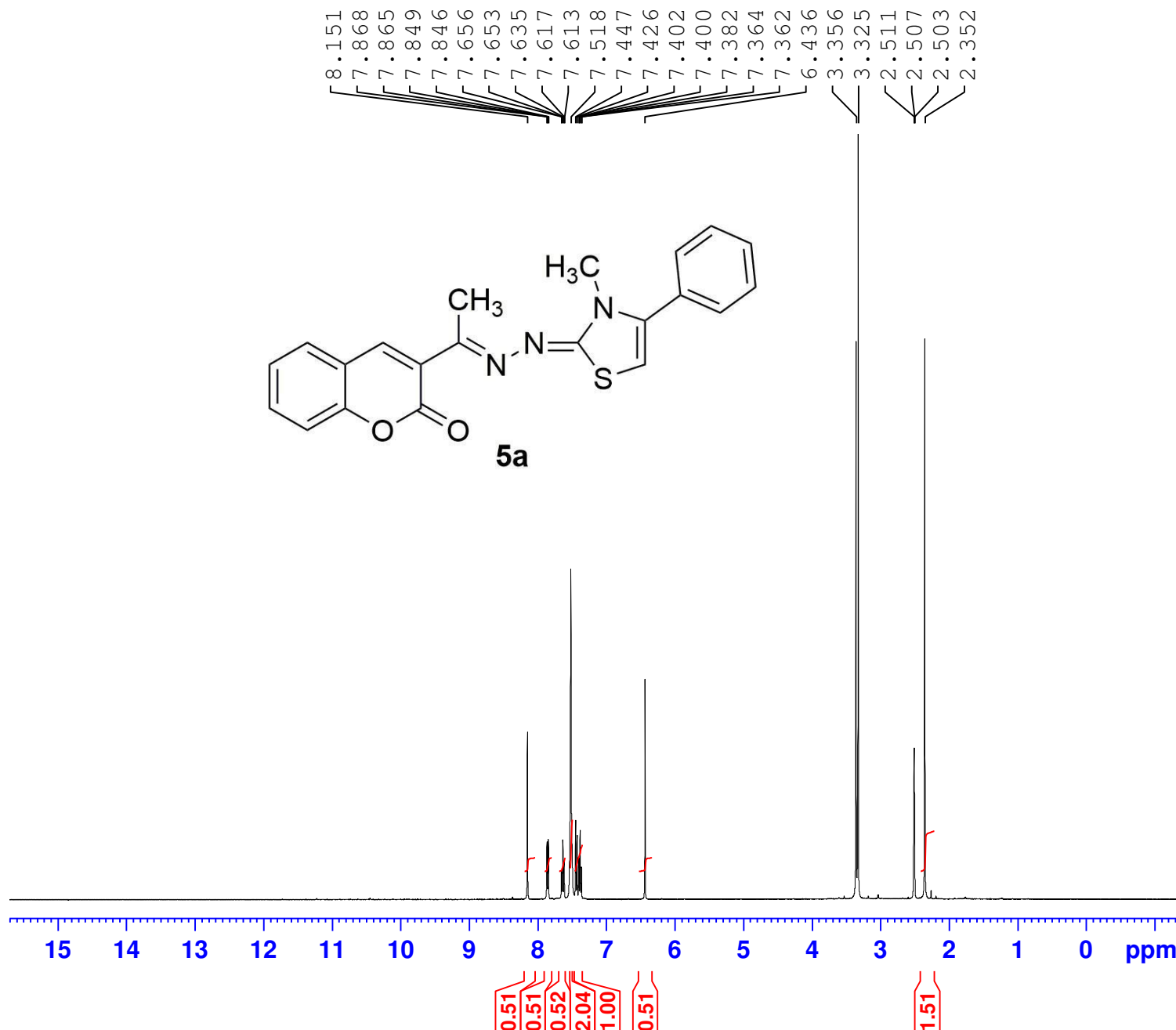
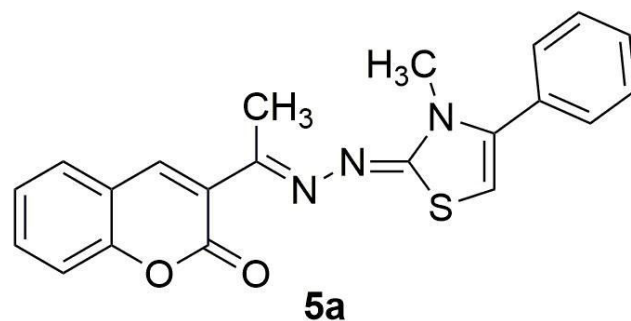


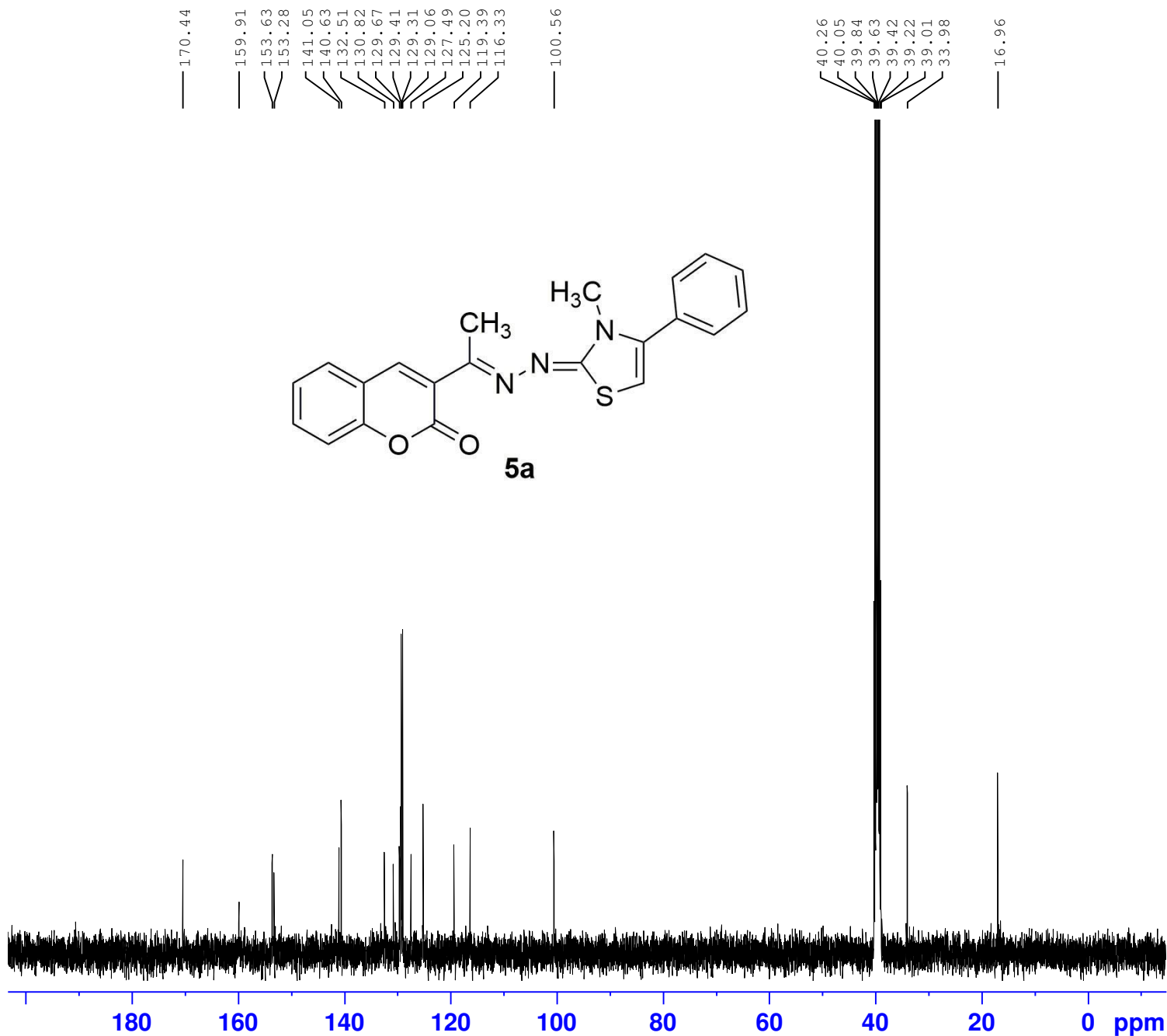
Current Data Parameters
 NAME samir-youssef-ThmeC
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20221023
 Time 16.24
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 24
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
 SI 65536
 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





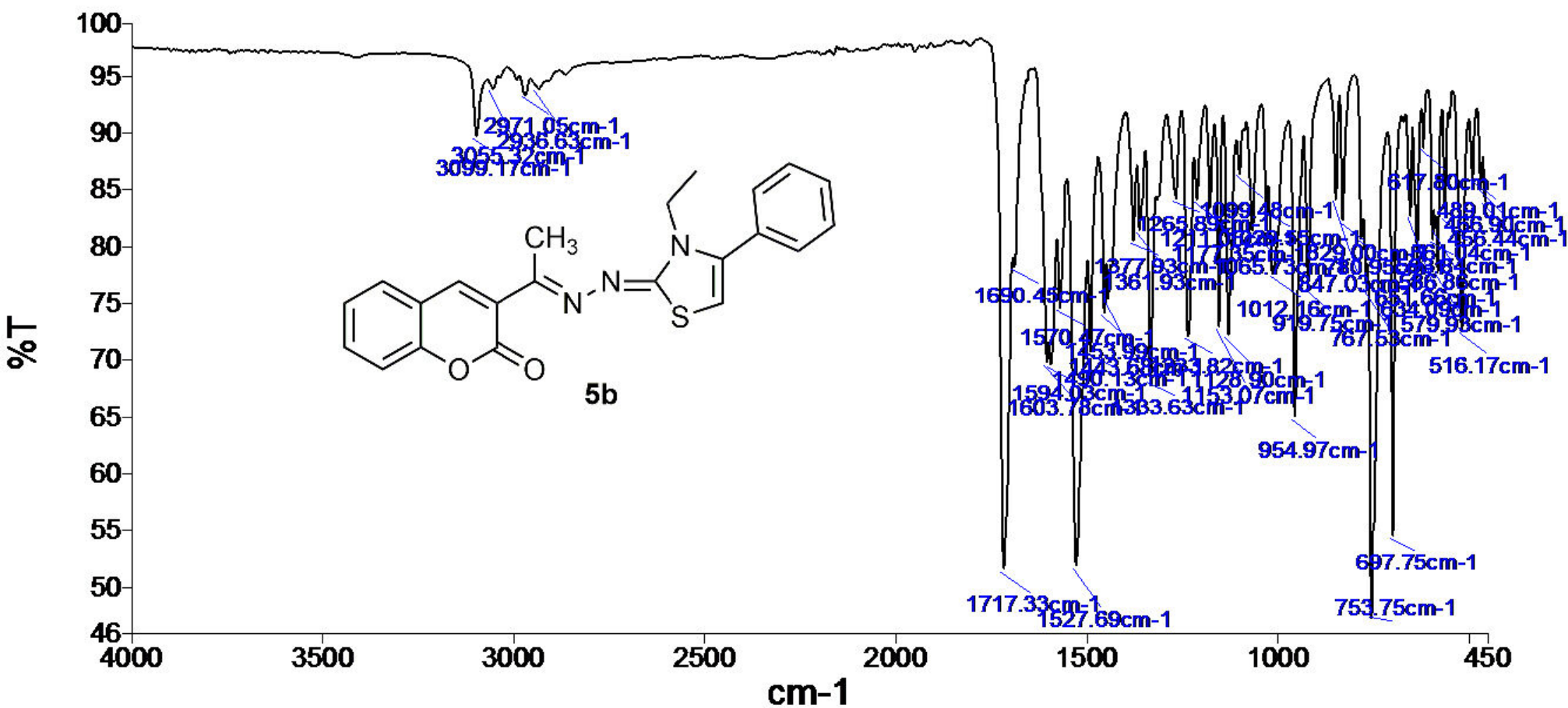
Current Data Parameters
NAME samir-youssef-ThmeC
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20221208
Time 15.34
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1644
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631488 sec
RG 205.37
DW 20.800 usec
DE 6.50 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 100.6278588 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.00000000 W

===== CHANNEL f2 =====
SFO2 400.1516006 MHz
NUC2 1H
CPDPRG[2] waltz16
PCPD2 90.00 usec
PLW2 18.00000000 W
PLW12 0.34722000 W
PLW13 0.28125000 W

F2 - Processing parameters
SI 32768
SF 100.6177975 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



Name

Description

Th5b

Sample 2071 By PEService Date Tuesday, January 01 2013



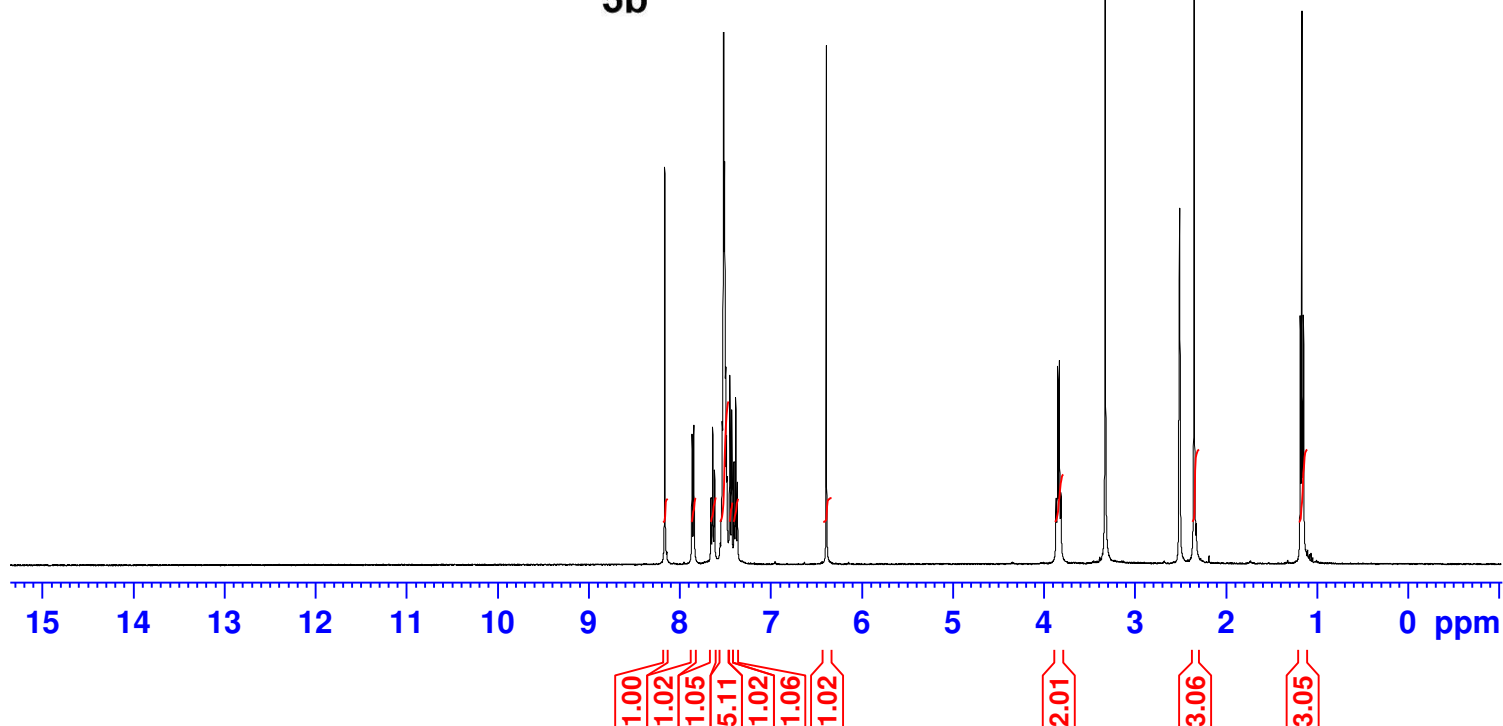
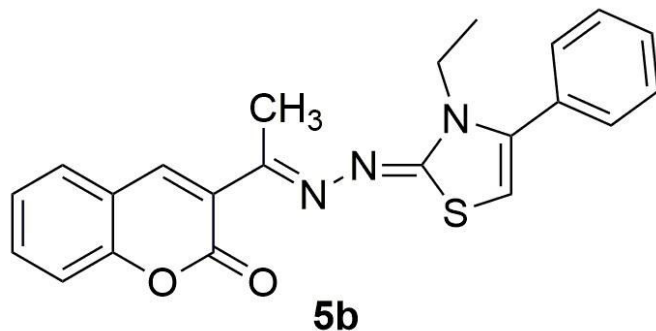
Current Data Parameters
 NAME samir-youssef-ThETC
 EXPNO 1
 PROCNO 1

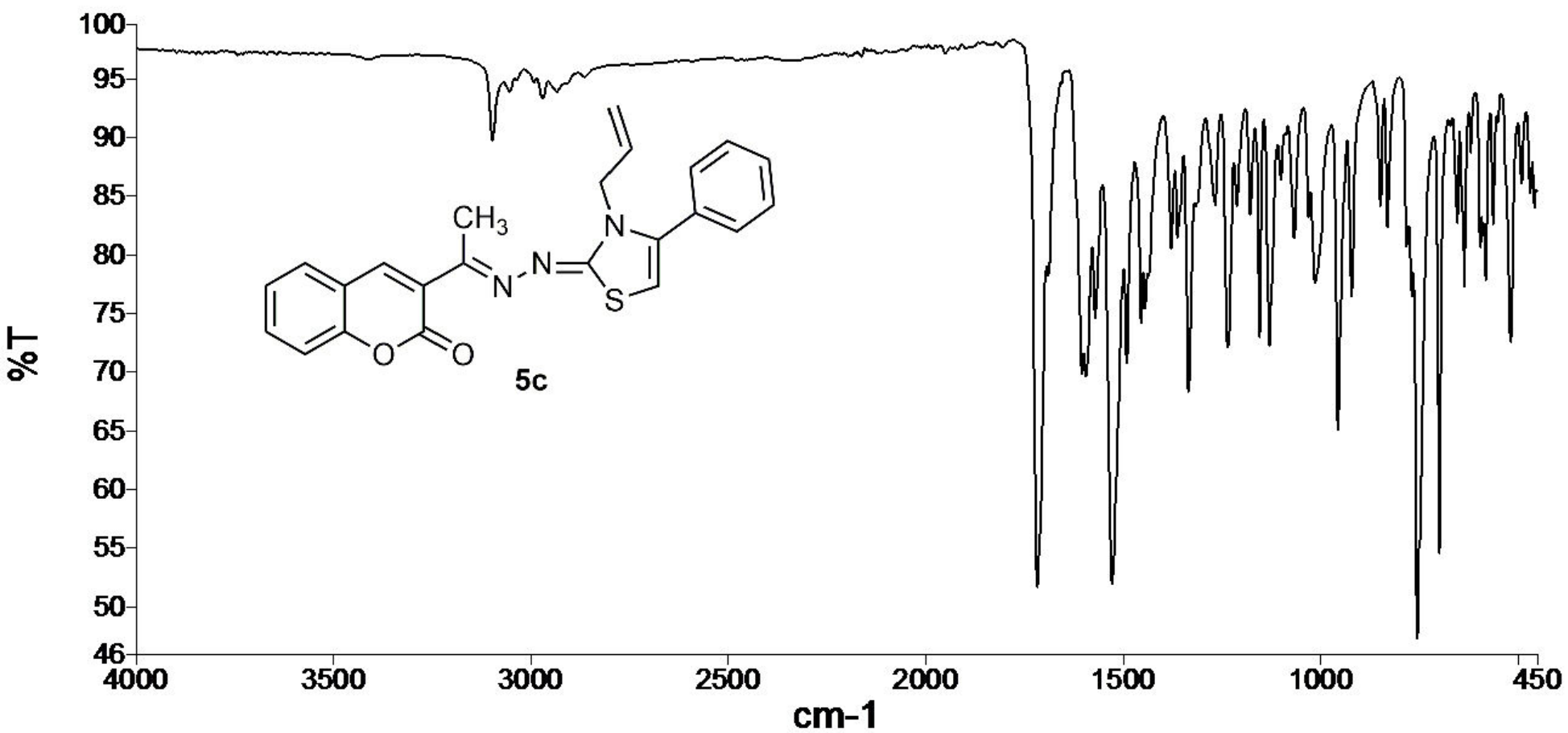
F2 - Acquisition Parameters
 Date_ 20230101
 Time 16.23
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 34
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
 SI 65536
 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

8.163
7.865
7.862
7.845
7.842
7.658
7.654
7.637
7.619
7.615
7.534
7.529
7.516
7.510
7.504
7.496
7.484
7.479
7.448
7.428
7.403
7.384
7.366
6.388
3.863
3.846
3.828
3.811
3.323
2.512
2.507
2.503
2.347
1.180
1.163
1.145





Name

Description

Th5b

Sample 2071 By PEService Date Tuesday, January 01 2013

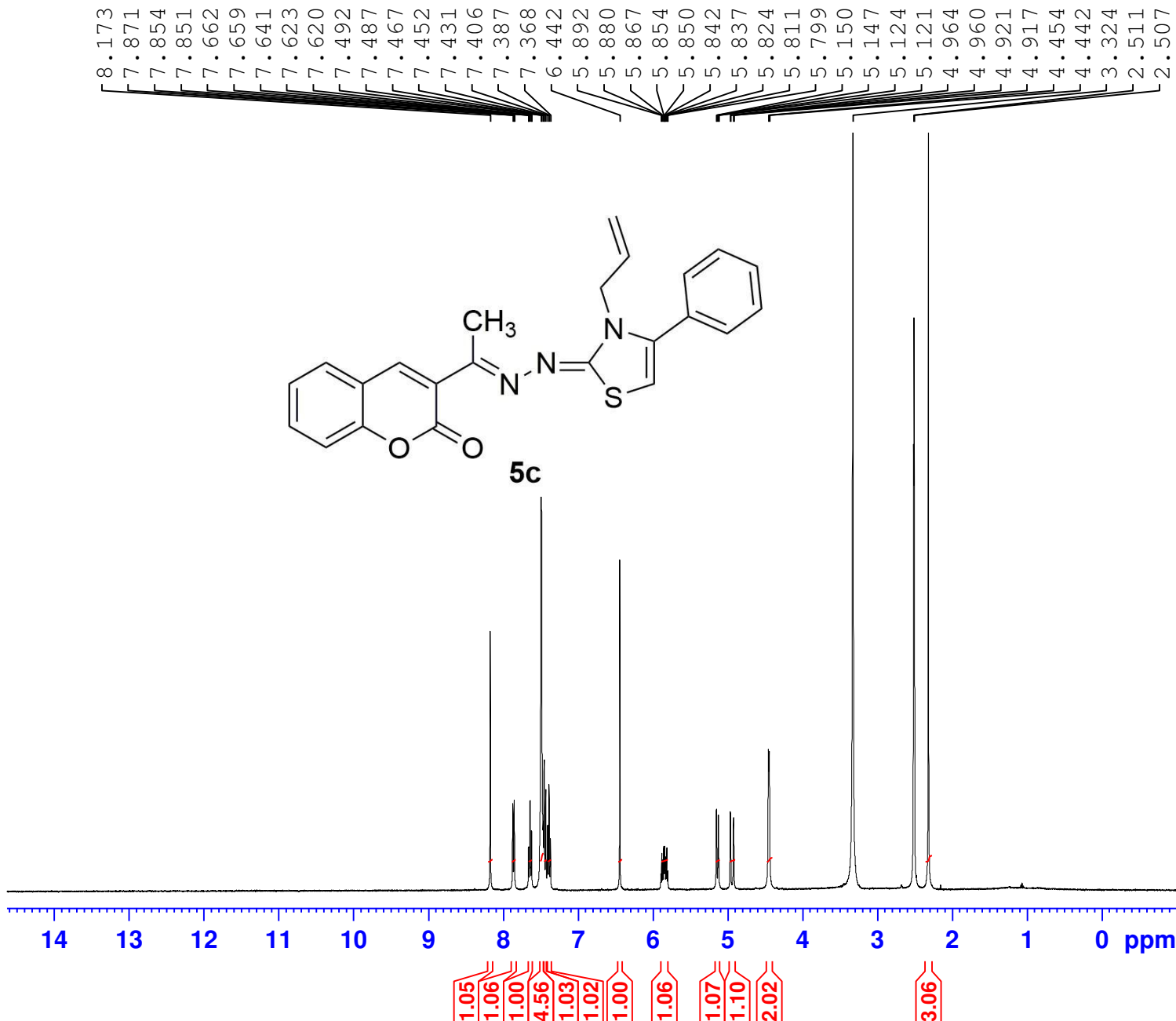


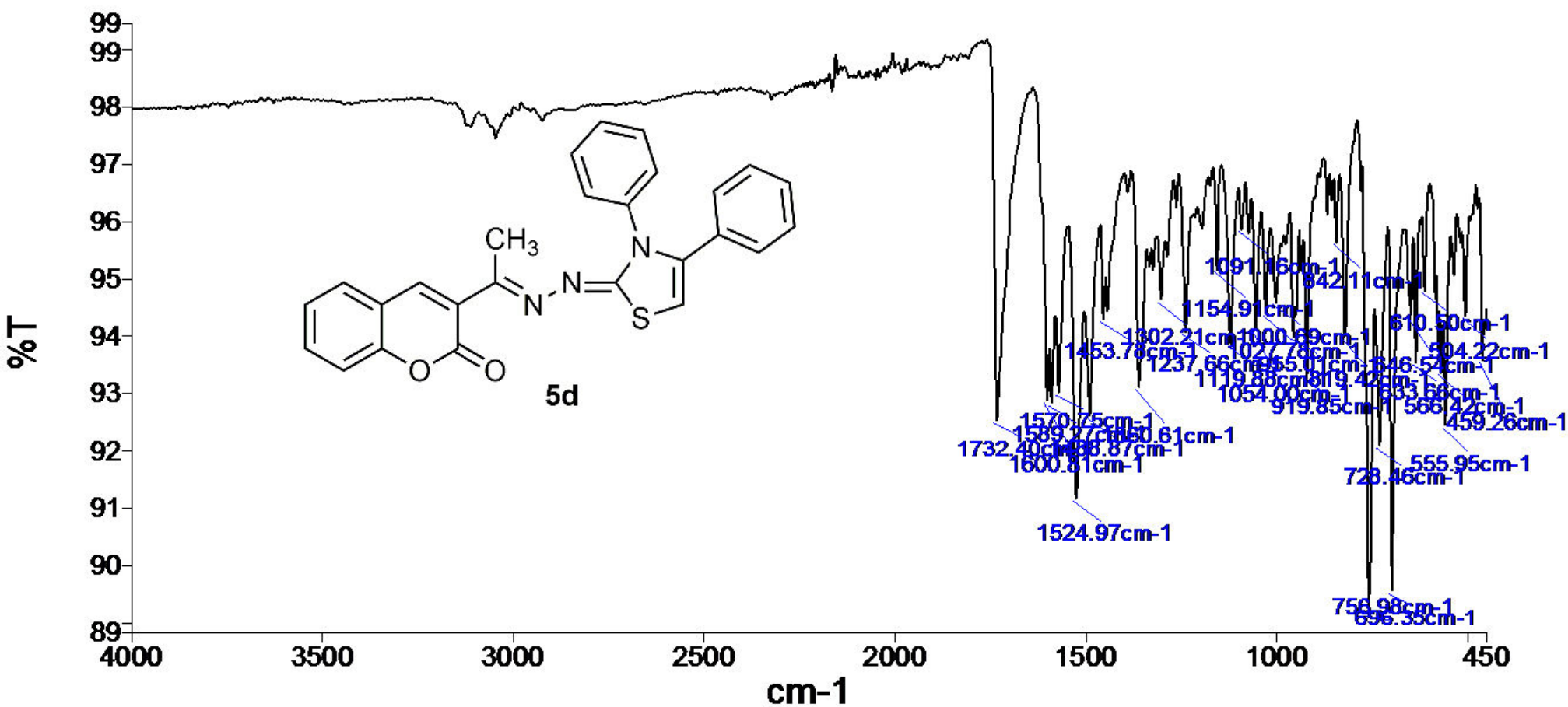
Current Data Parameters
 NAME samir-youssef-THAIC
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20230119
 Time 15.51
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 69
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
 SI 65536
 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



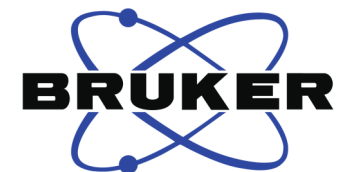
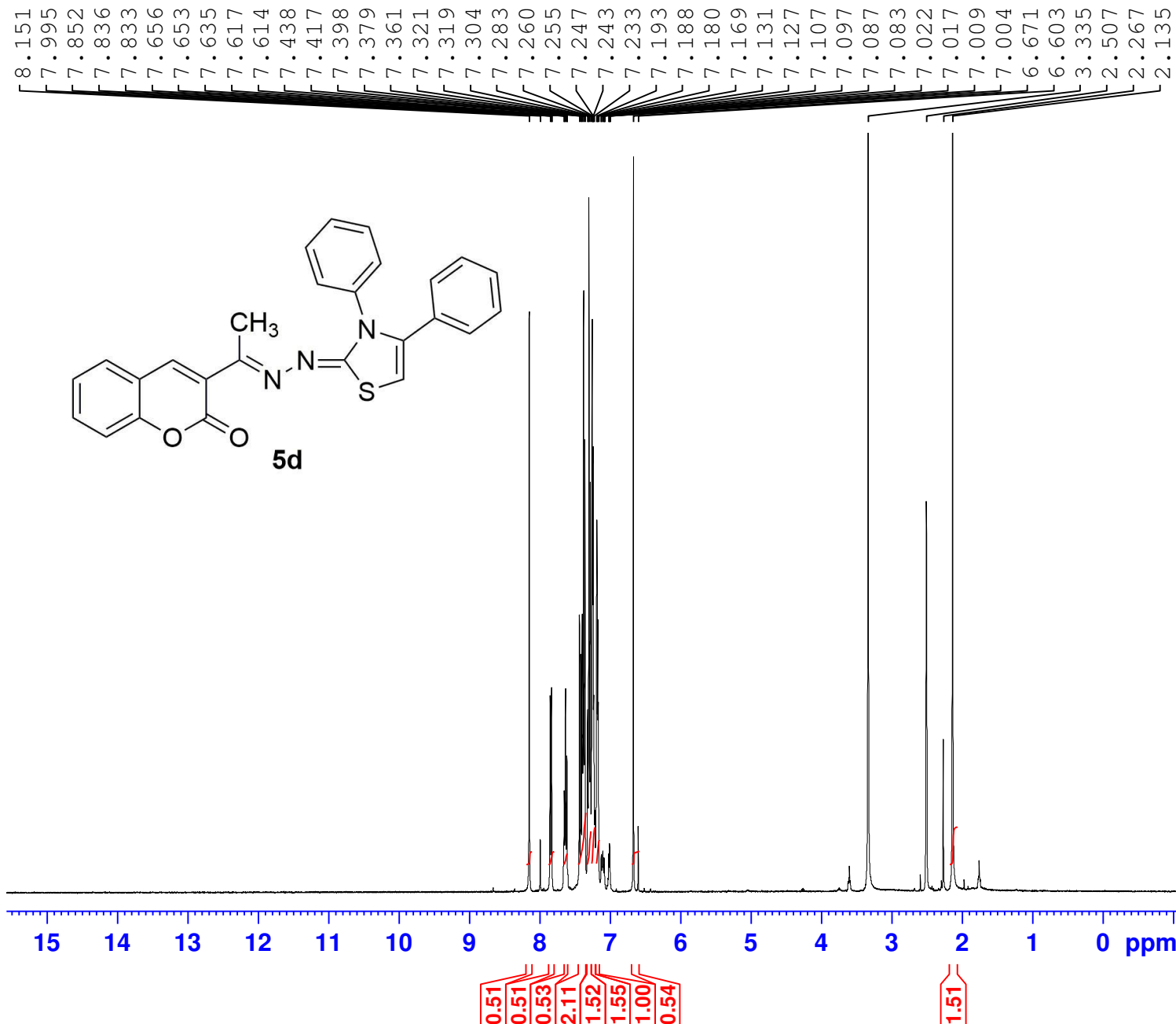


Name

Description

Th5d

Sample 2069 By PEService Date Tuesday, January 01 2013



Current Data Parameters
 NAME samir-youssef-ThPhC
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20221020
 Time 16.32
 INSTRUM spect
 PROBHD 5 mm PABBO BB/
 PULPROG zg30
 TD 65536
 SOLVENT DMSO
 NS 36
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 205.37
 DW 62.400 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1524711 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 18.00000000 W

F2 - Processing parameters
 SI 65536
 SF 400.1500000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00