

Comment:  
DR. Eman Ebrahim /// Sample NO.. ///

\*\*Prepared By : Dr.Ahmed A.EL-Wakeel , Ph.D.

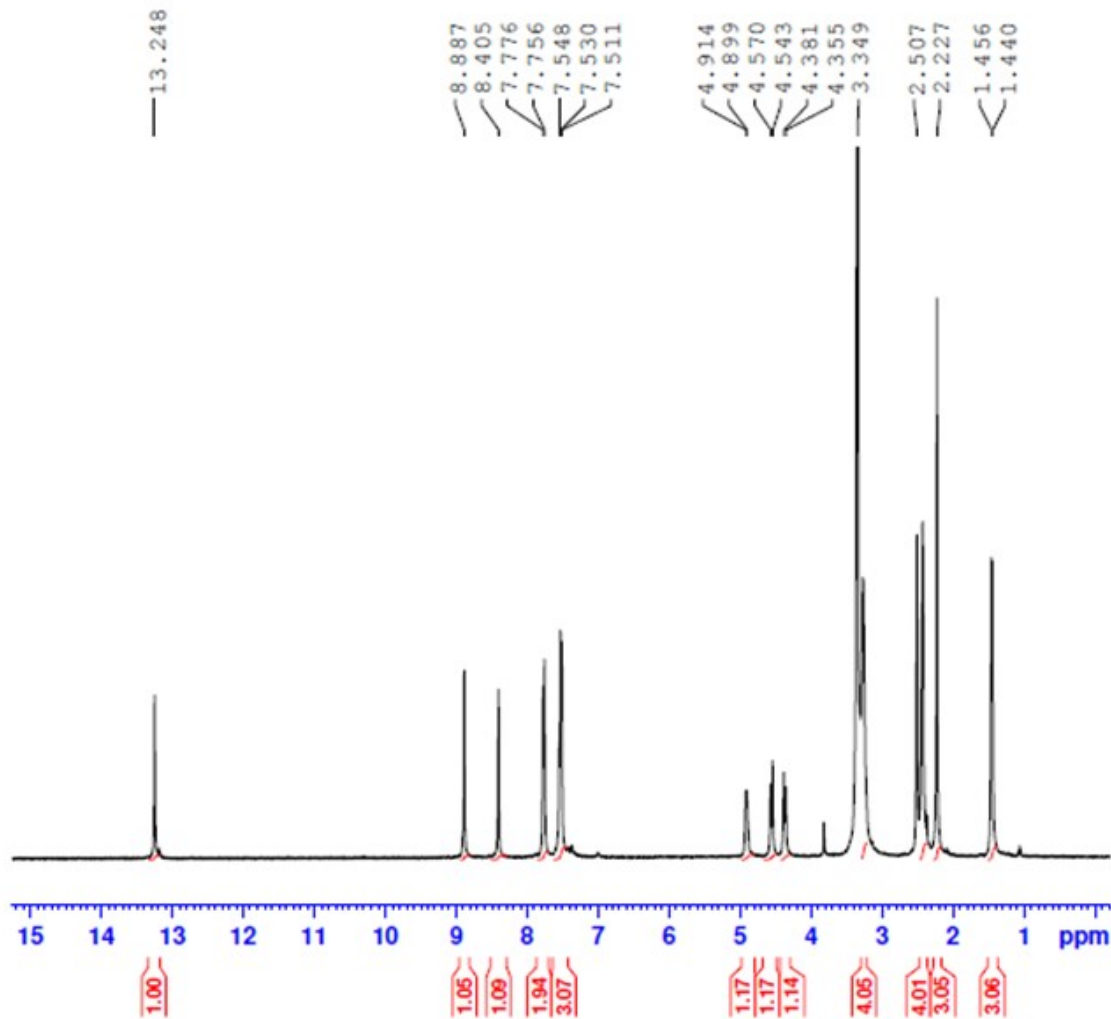
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No. of Scans; 10

Resolution; 4 [1/cm]

Apodization; Happ-Genzel

User; Heinrich

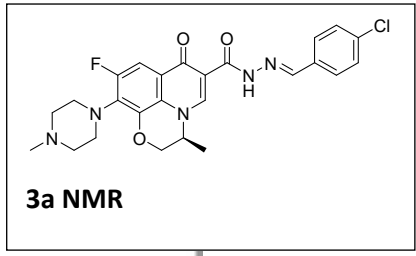


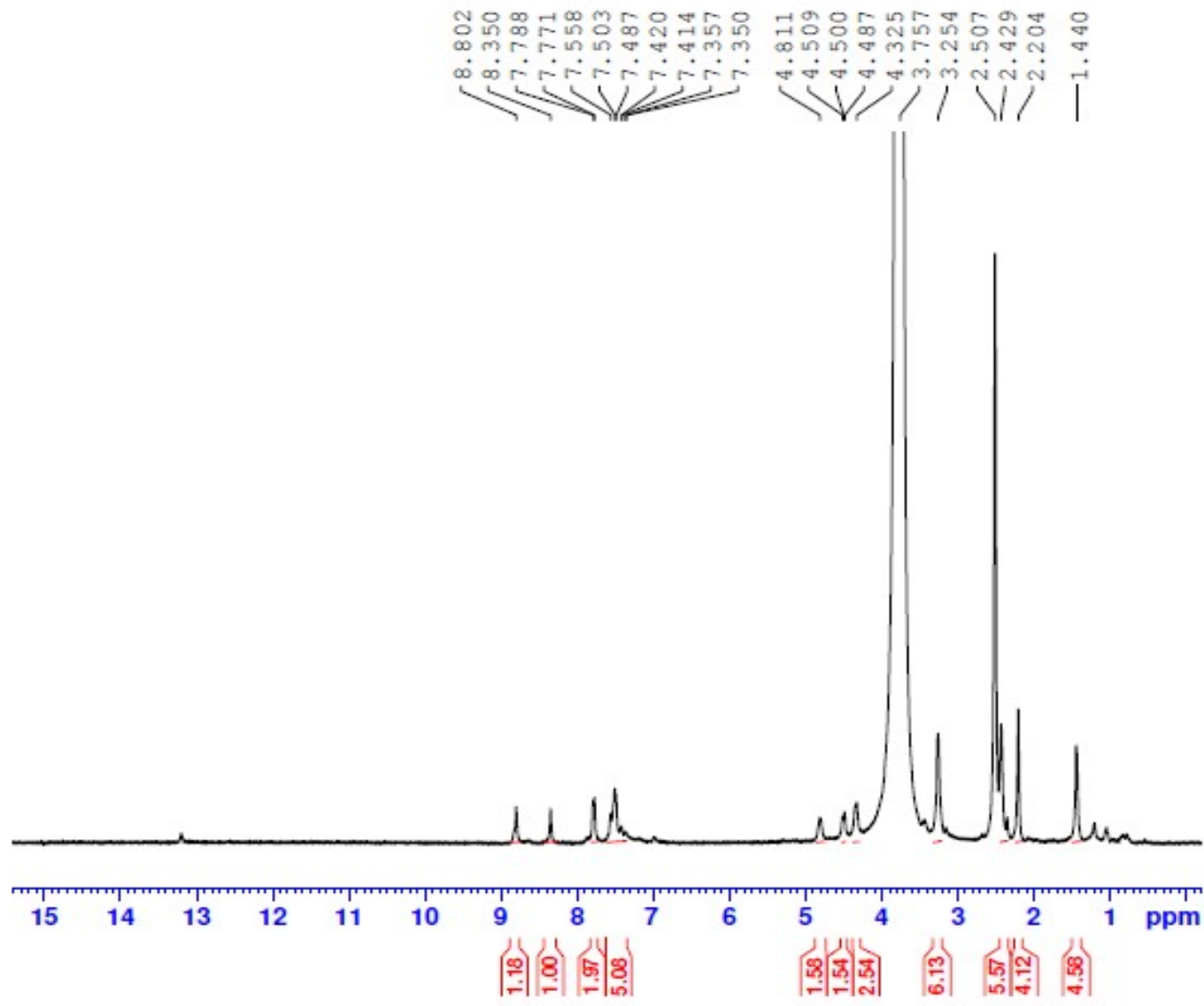
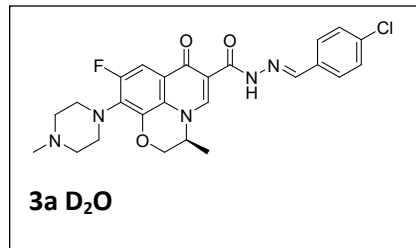
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 NAME amira-youssef 4c1  
 EXPNO 1  
 PROCNO 1

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 Time 16.31  
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 PROBHD 5 mm PABBO BB/  
 PULPROG zg30  
 TD 65536  
 SOLVENT DMSO  
 NS 20  
 DS 2  
 SWH 8012.820 Hz  
 FIDRES 0.122246 Hz  
 AQ 4.9894465 sec  
 RG 205.37  
 DW 62.400 usec  
 DE 6.50 usec  
 TK 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  
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 EXPNO 1  
 PROCNO 1

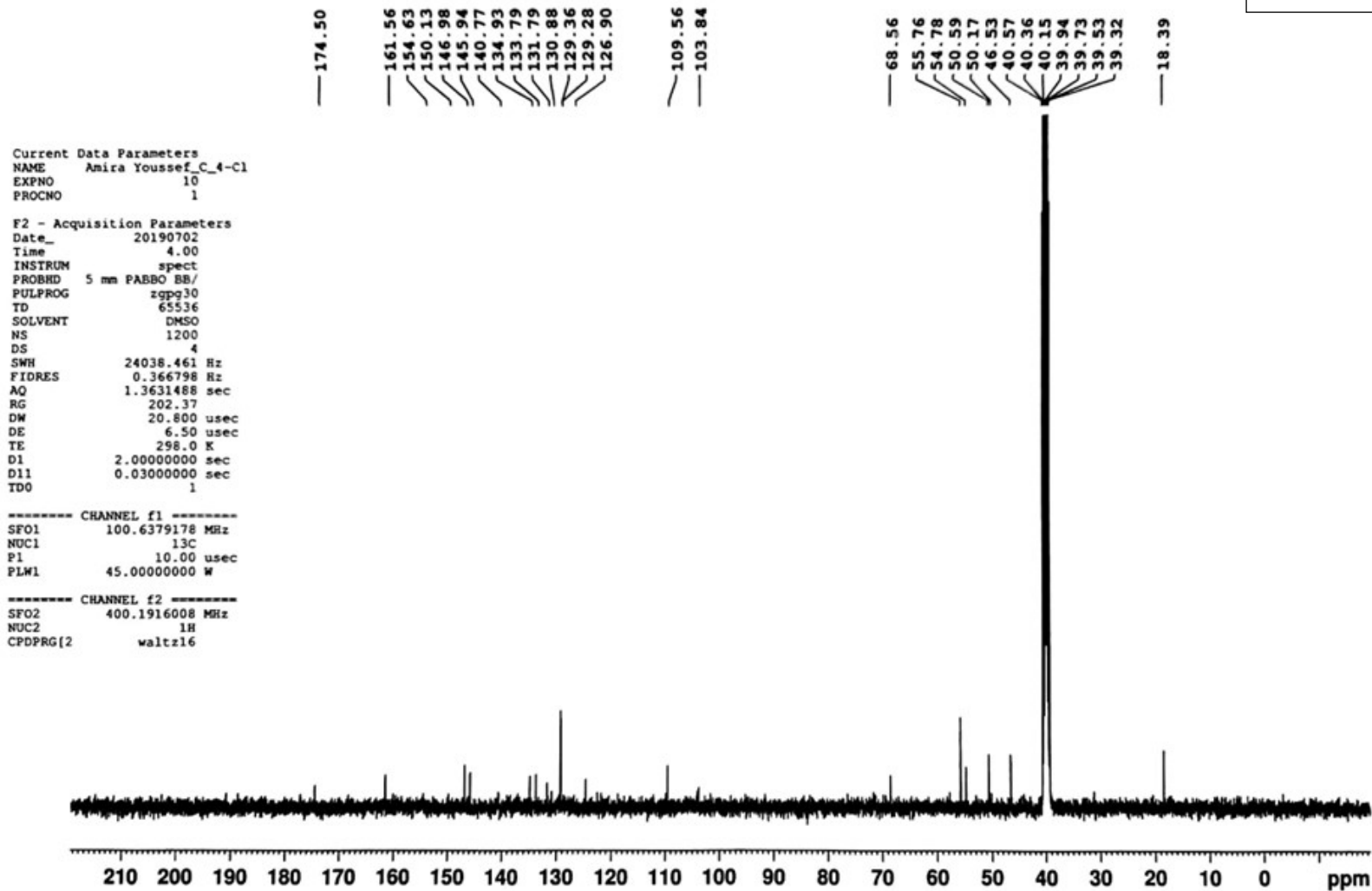
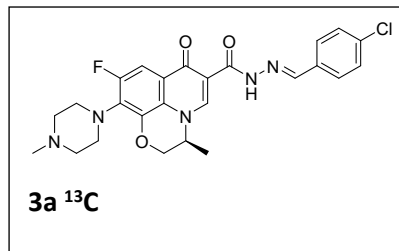
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 SOLVENT DMSO  
 NS 128  
 DS 2  
 SWH 8012.820 Hz  
 FIDRES 0.122266 Hz  
 AQ 4.0894465 sec  
 RG 164.32  
 DW 62.400 usec  
 DE 6.50 usec  
 TK 300.0 K  
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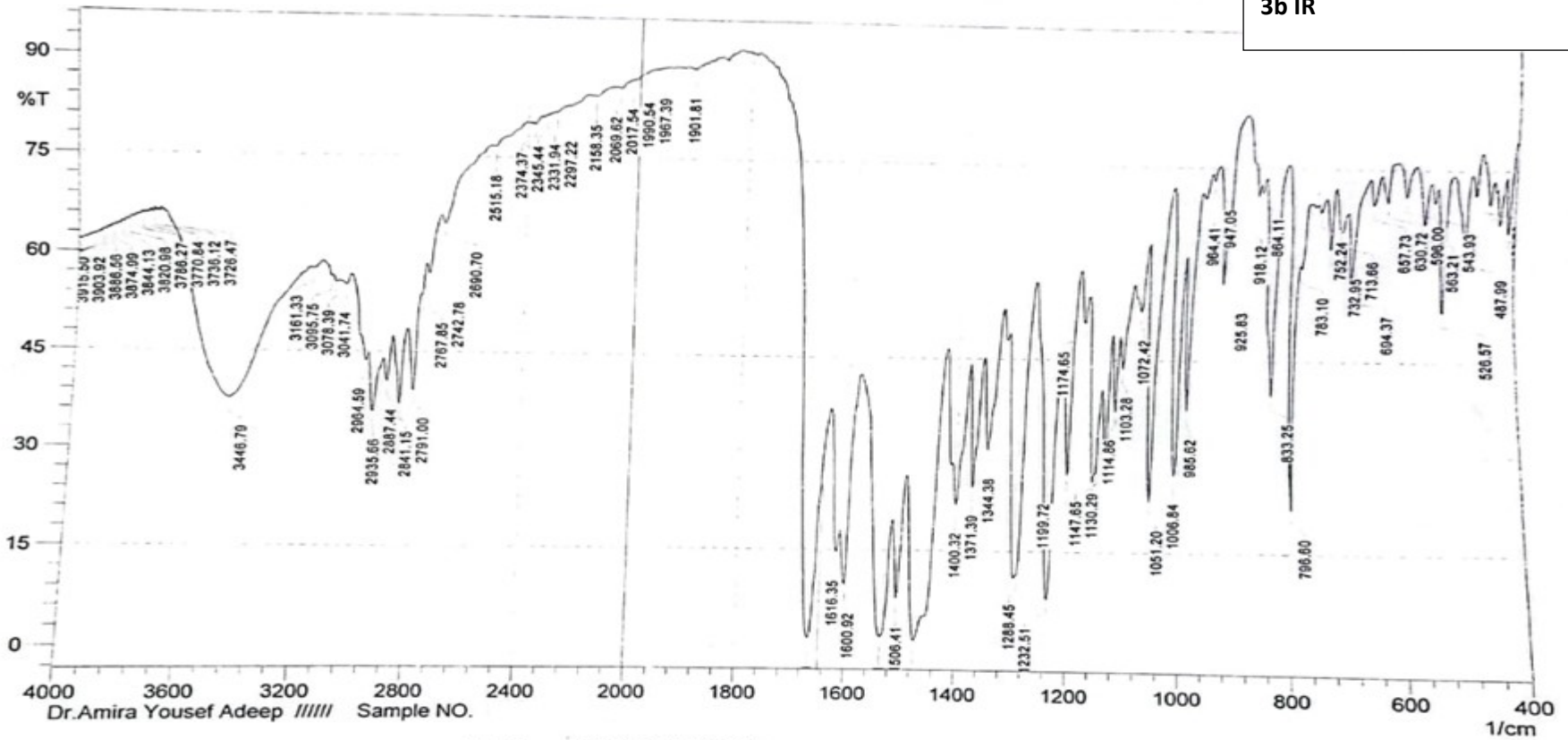
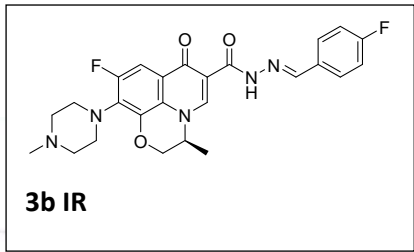
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 GB 0  
 PC 1.00

Amira Youssef\_C\_4-Cl

Microanalytical Unit - FOPCU - NMR laboratory  
www.pharma.cu.edu.eg dir-mau.fopcu@pharma.cu.edu.eg







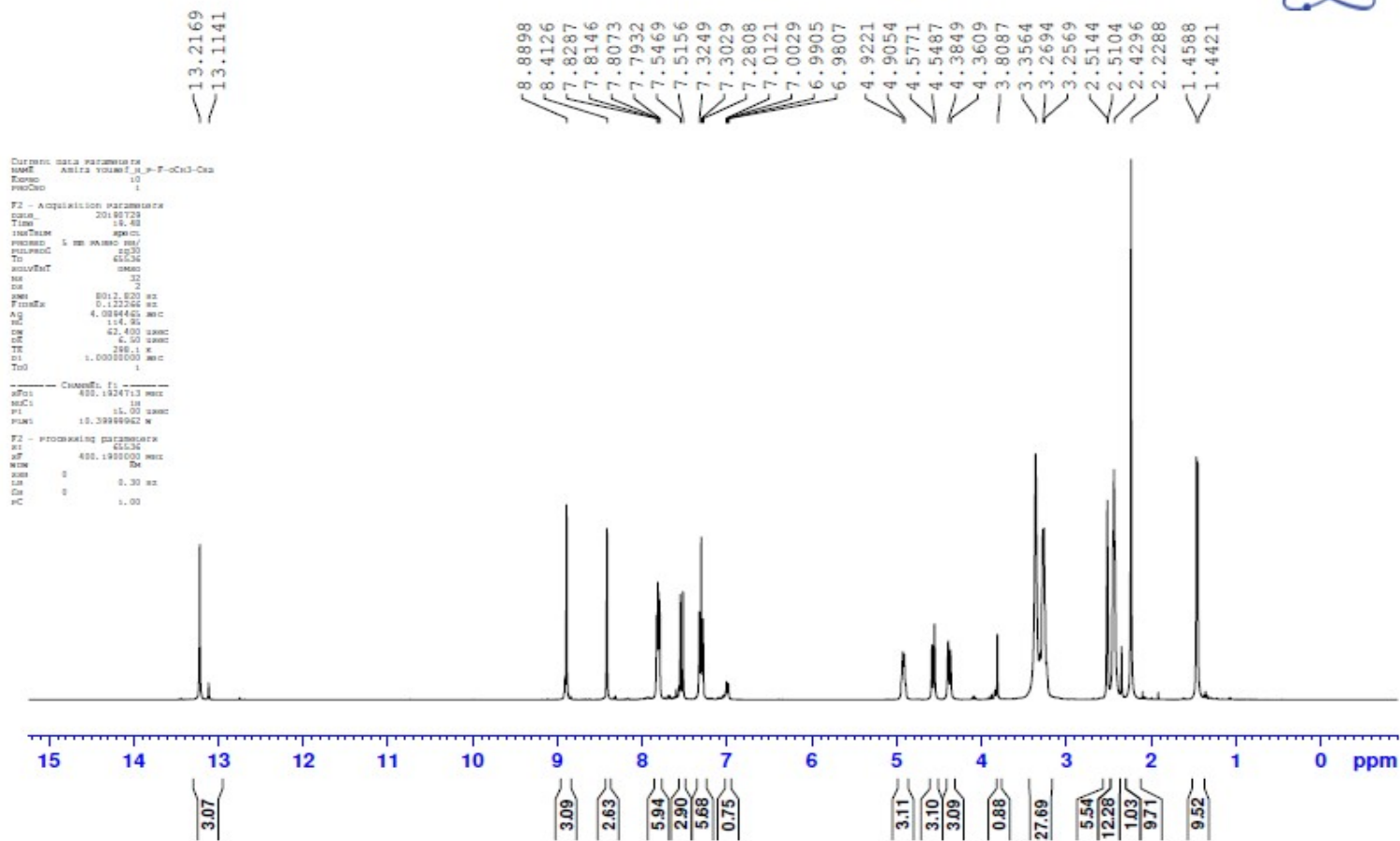
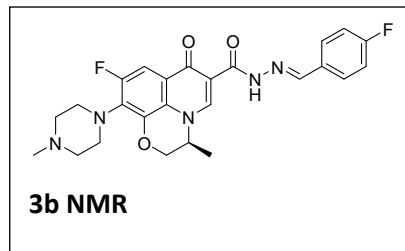
Comment;  
Dr.Amira Yousef Adeep // Sample NO. (P-F

Date/Time; 4/29/2010 11:18:05 PM  
No. of Scans; 10  
Resolution; 4 [1/cm]  
Apodization; Happ-Genzel  
User; Heinrich

\*\*Prepared By : Dr.Ahmed A.EL-Wakeel , Ph.D.

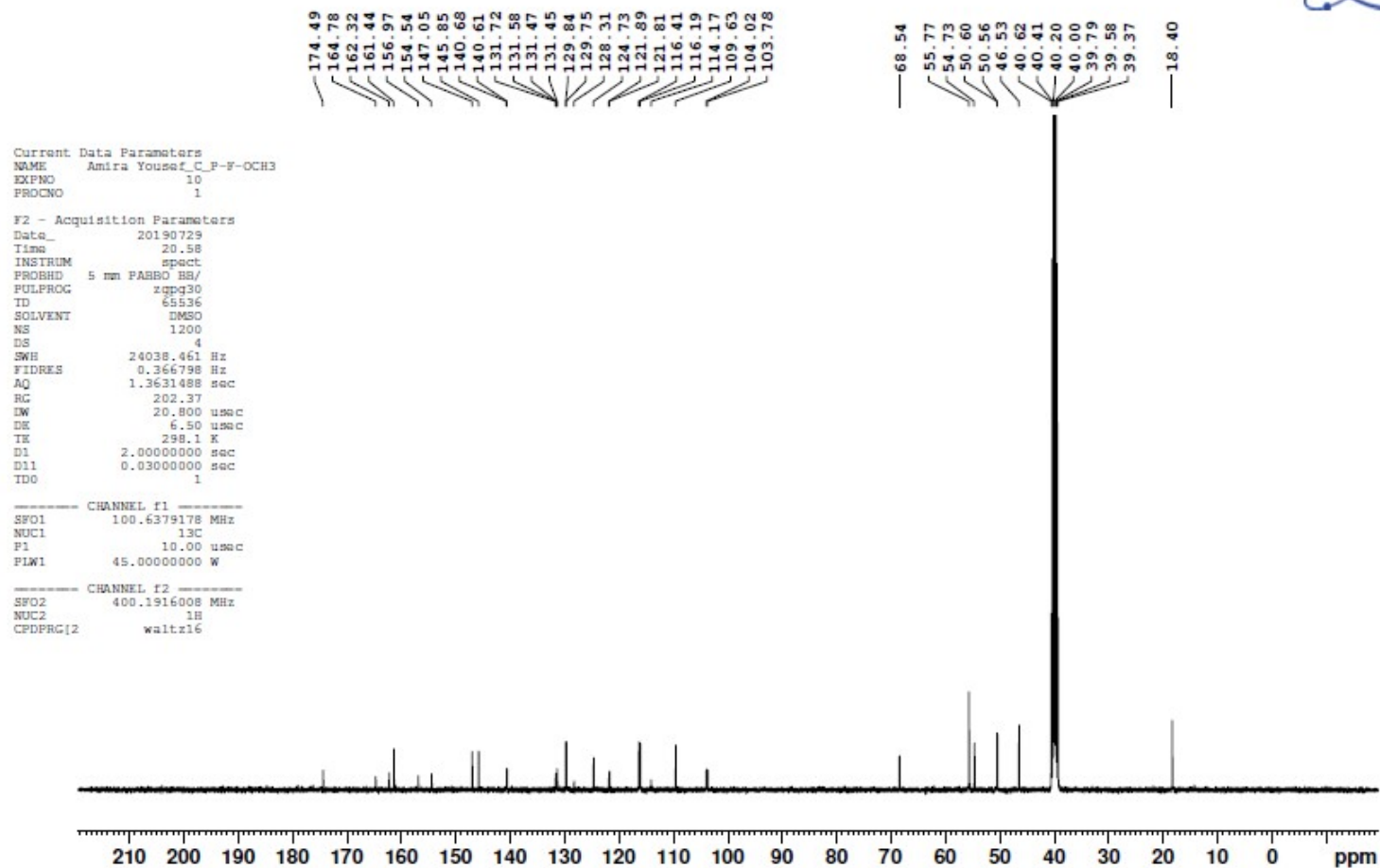
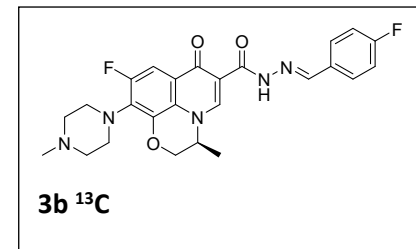
Amira Yousef\_H\_P-F

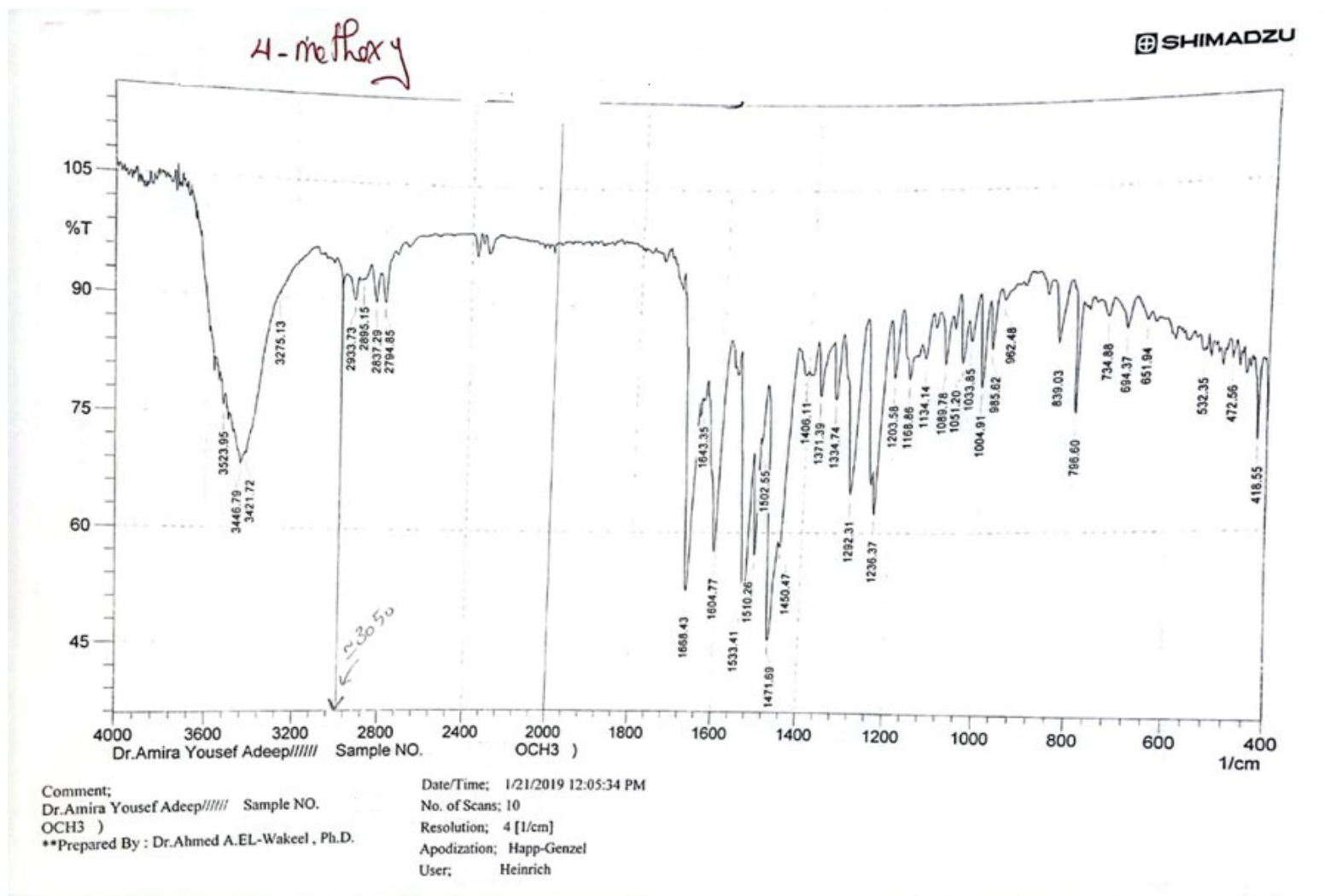
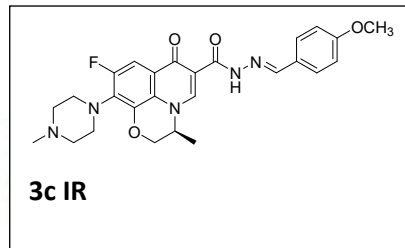
Microanalytical Unit - FOPCU - NMR laboratory  
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Amira Yousef\_C\_P-F-

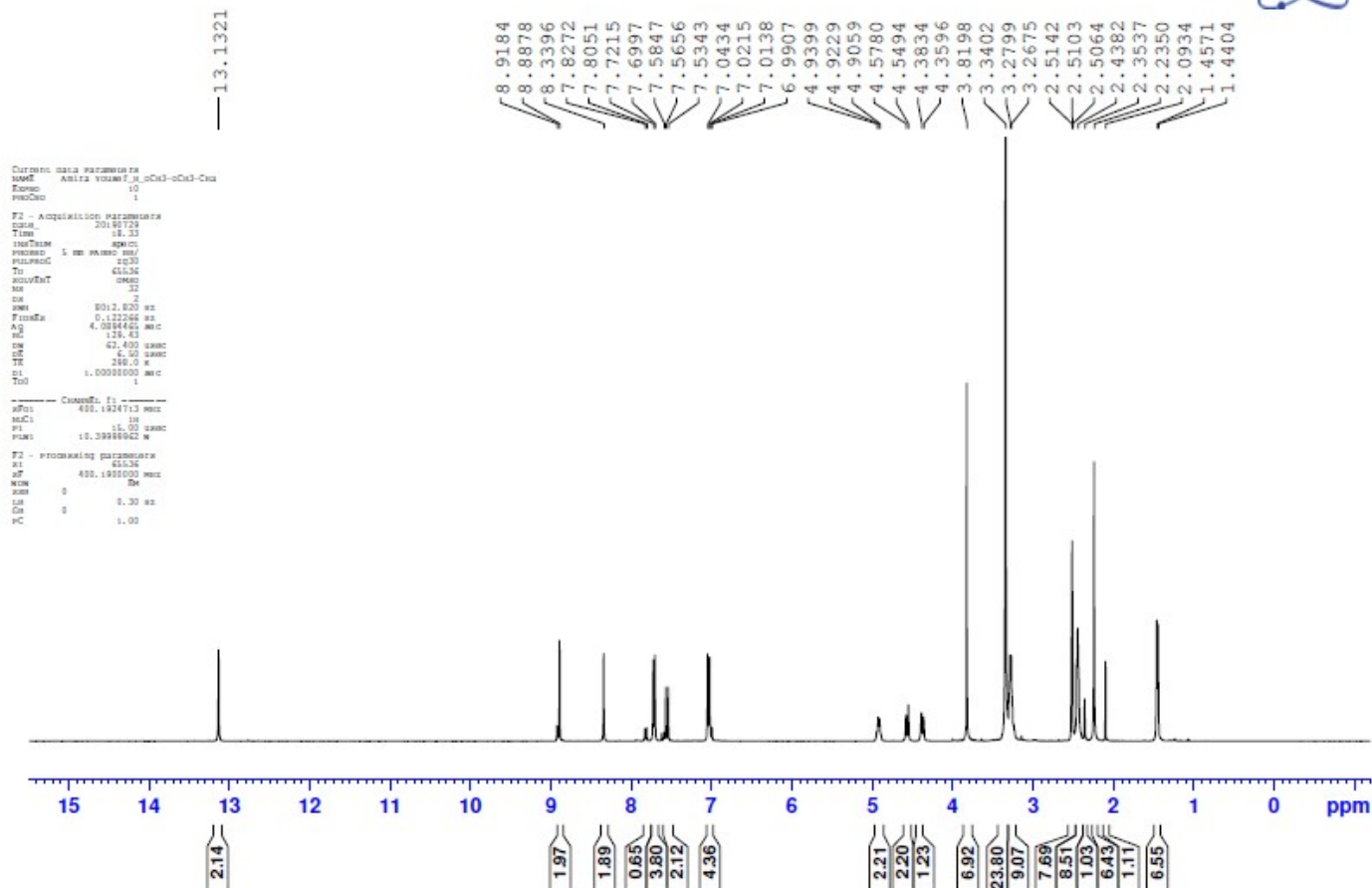
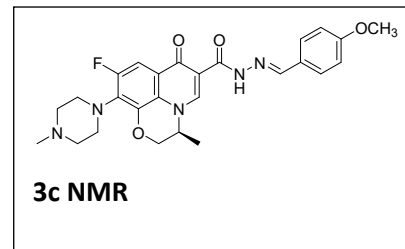
Microanalytical Unit - FOPCU - NMR laboratory  
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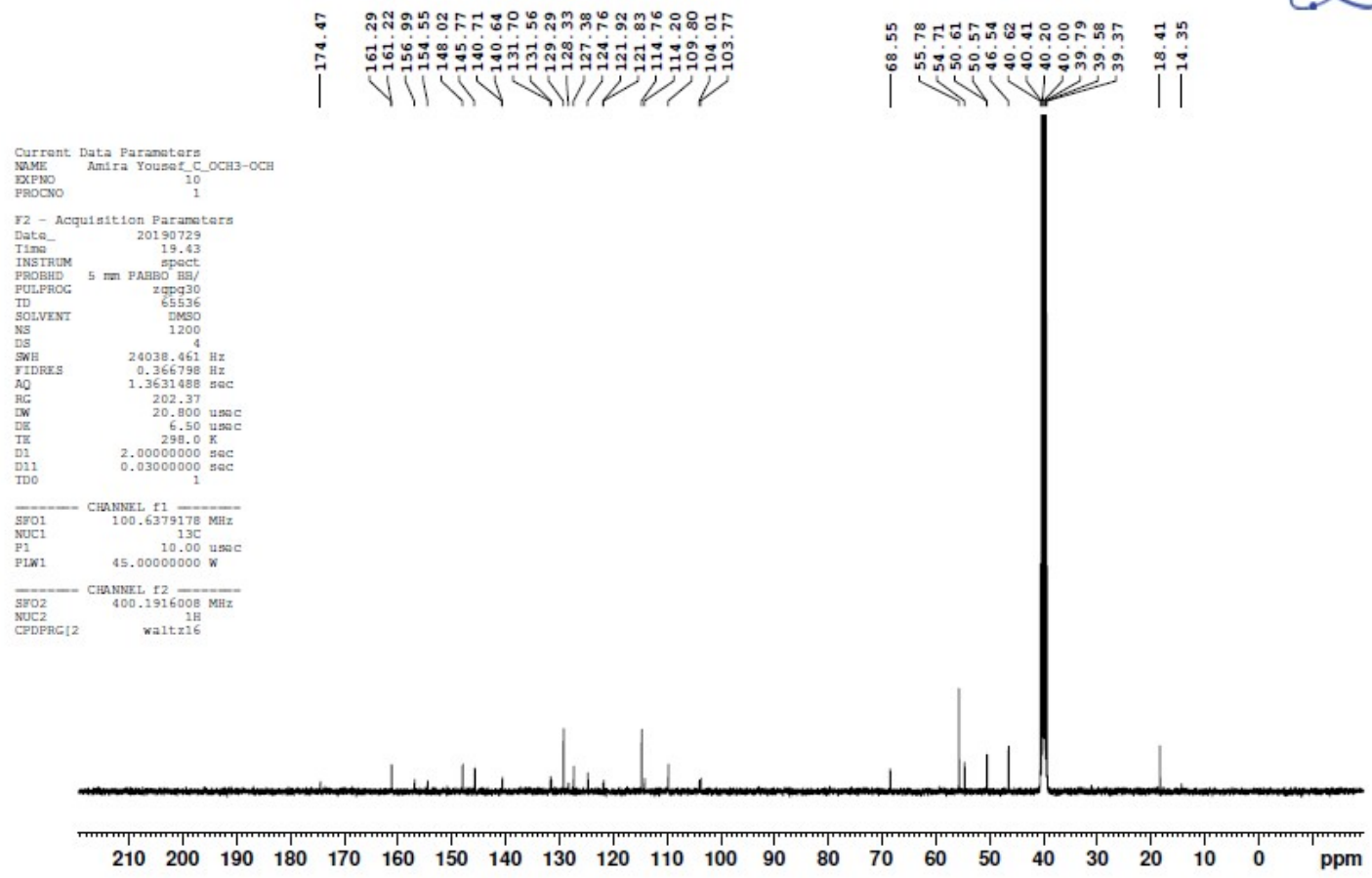
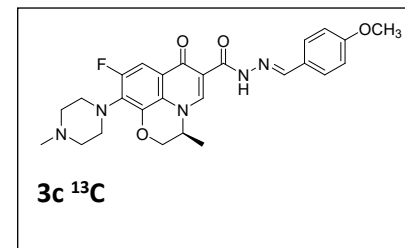
Amira Yousef\_H\_OCH3

Microanalytical Unit - FOPCU - NMR laboratory  
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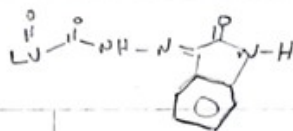


Amira Yousef\_C\_OCH3

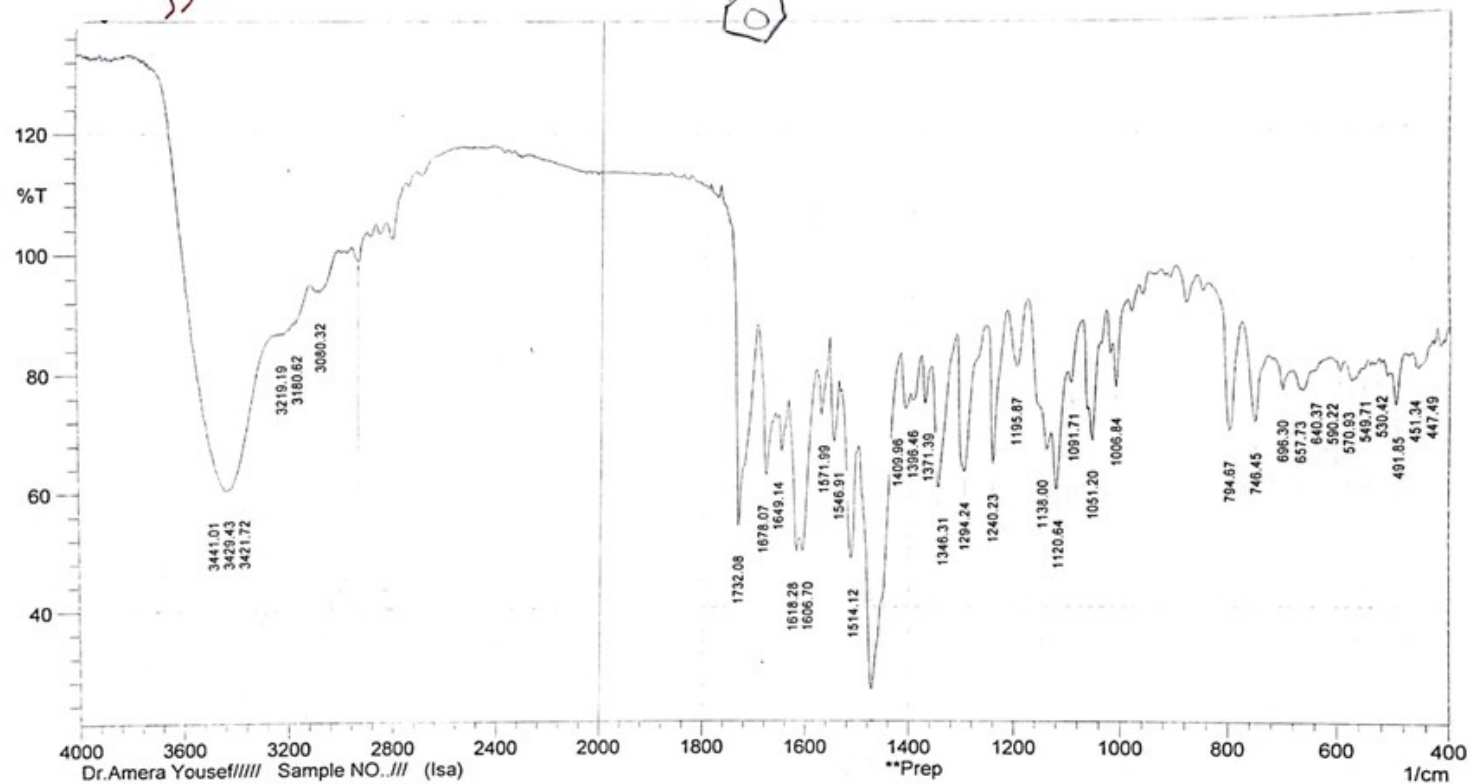
Microanalytical Unit - FOPCU - NMR laboratory  
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Isatin

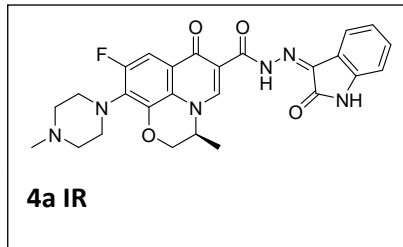


SHIMADZU



Comment:  
Dr.Amera Yousef///// Sample NO./// (Isa)  
\*\*Prepared By : Dr.Ahmed A.EL-Wakeel , Ph.D.

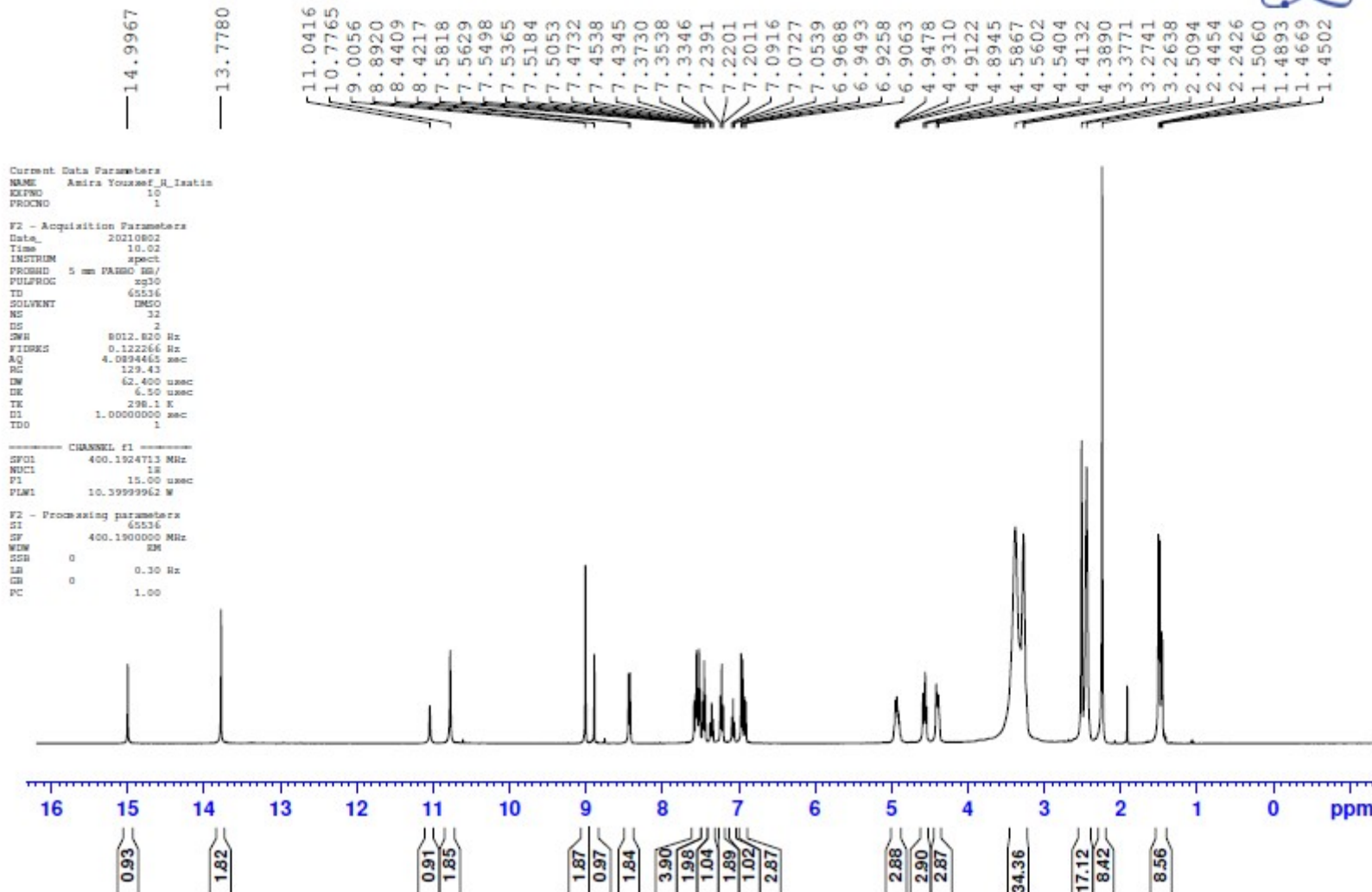
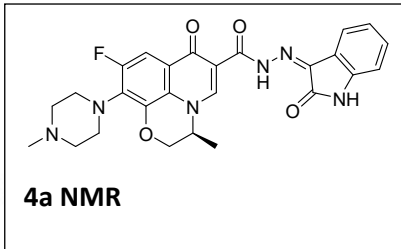
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No. of Scans; 10  
Resolution; 4 [1/cm]  
Apodization; Happ-Genzel  
User; Heinrich





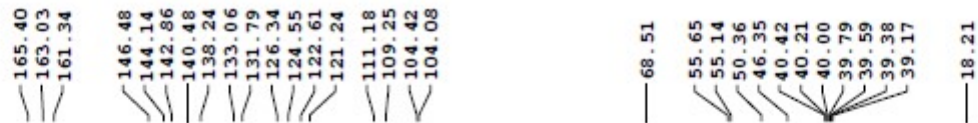
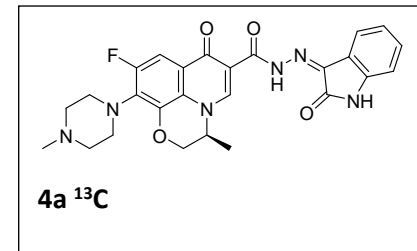
Amira Youssef\_H\_Isatin

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# Amira Youssef\_C\_Isatin

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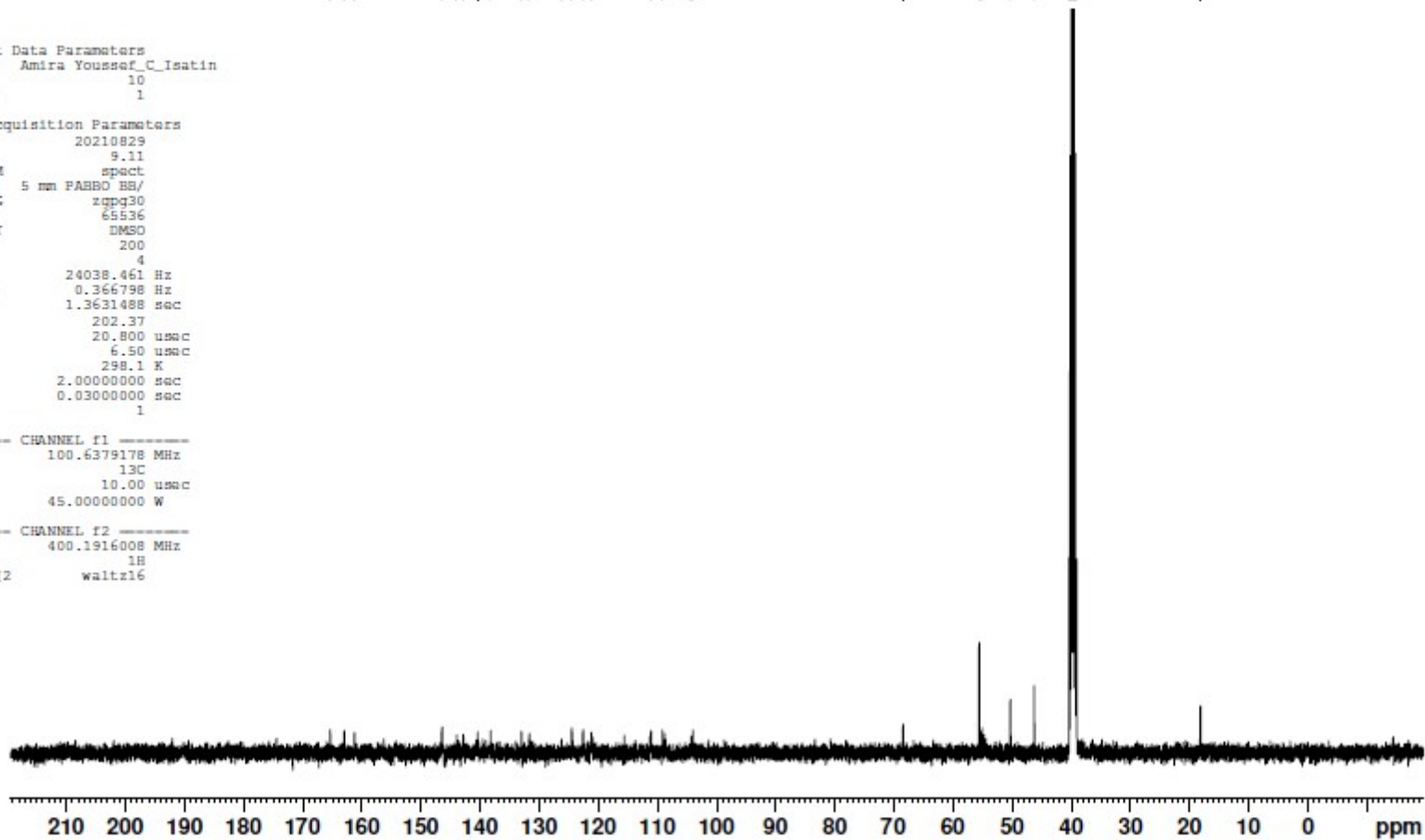
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 EXPNO 10  
 PROCNO 1

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 PROBHD 5 mm PABBO BS/  
 PULPROG zgpg30  
 TD 65536  
 SOLVENT DMSO  
 NS 200  
 DS 4  
 SWE 24038.461 Hz  
 FIDRES 0.366798 Hz  
 AQ 1.3631488 sec  
 RG 202.37  
 DW 20.800 usec  
 DE 6.50 usec  
 TE 298.1 K  
 D1 2.00000000 sec  
 D11 0.03000000 sec  
 TD0 1

----- CHANNEL f1 -----  
 SFO1 100.6379178 MHz  
 NUC1 13C  
 P1 10.00 usec  
 P1W1 45.00000000 W

----- CHANNEL f2 -----  
 SFO2 400.1916008 MHz  
 NUC2 1H  
 CPDPRG[2] waltz16



Amira Youssef\_H\_Isatin\_D2O

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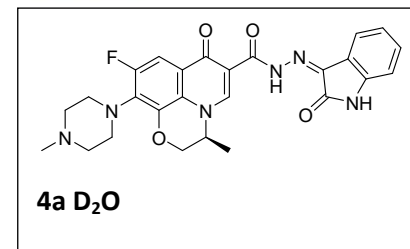
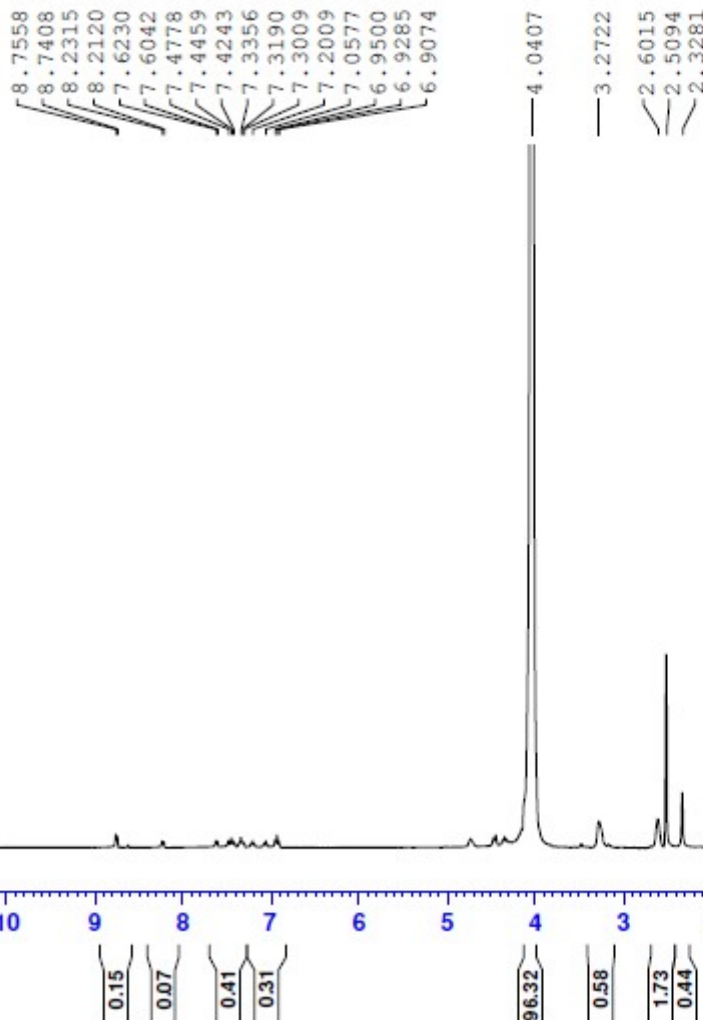
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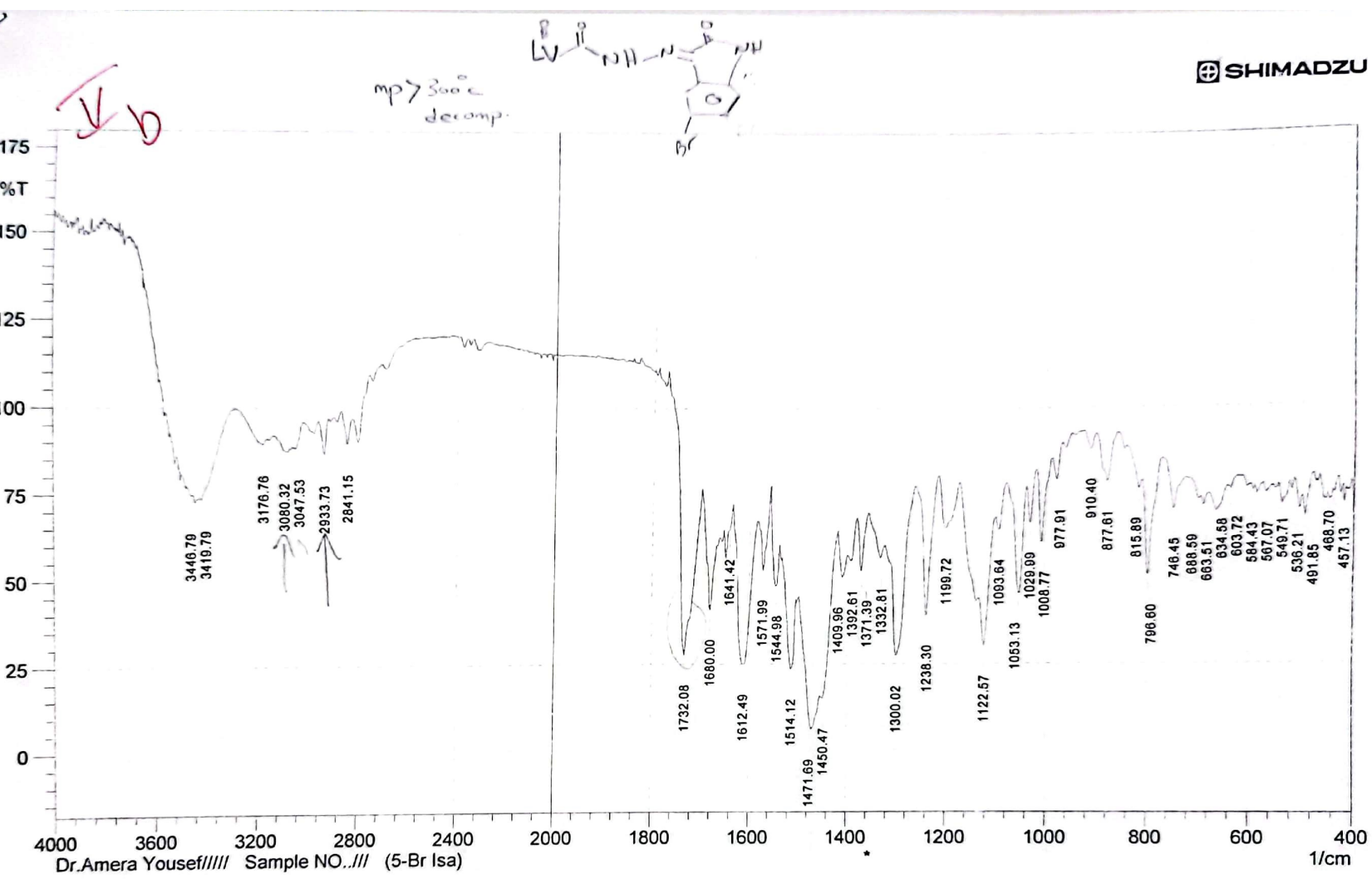
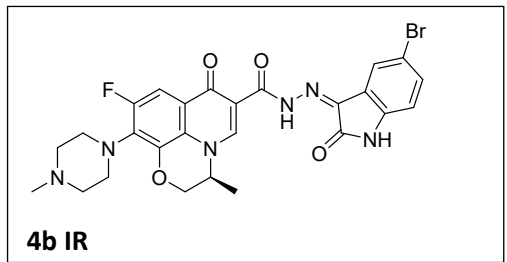
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EXPNO: 10
PROCNO: 1

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Time: 11.58
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PROBHD: 5 mm PABBO BB/
PULPROG: zgpg30
TD: 65536
SOLVENT: DMSO
NS: 32
DS: 2
SWH: 8012.820 Hz
FIDRES: 0.122264 Hz
AQ: 4.0894661 sec
RG: 32.12
DN: 62.400 usec
DE: 6.50 usec
TE: 298.2 K
D1: 1.00000000 sec
TDS: 1

----- CHANNEL f1 -----
NUC1: 13C
P1: 15.00 usec
PL1: 0.00 dB
NUC2: 1H
P2: 12.00 usec
PL2: 0.00 dB
SFO1: 101.625125 MHz
SFO2: 400.142603 MHz
=====

F2 - Processing parameters
SI: 65536
SF: 400.142603 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
CB: 0
PC: 1.00
    
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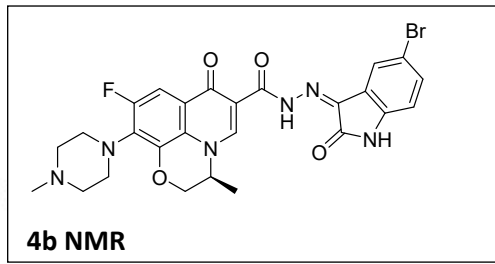


Dr.Amera Yousef///// Sample NO./// (5-Br Isa)  
 Prepared By : Dr.Ahmed A.EL-Wakeel , Ph.D.

Date/Time; 4/30/2010 2:39:10 AM  
 No. of Scans; 10  
 Resolution; 4 [1/cm]

Amira Youssef\_H\_5-Br-Isa

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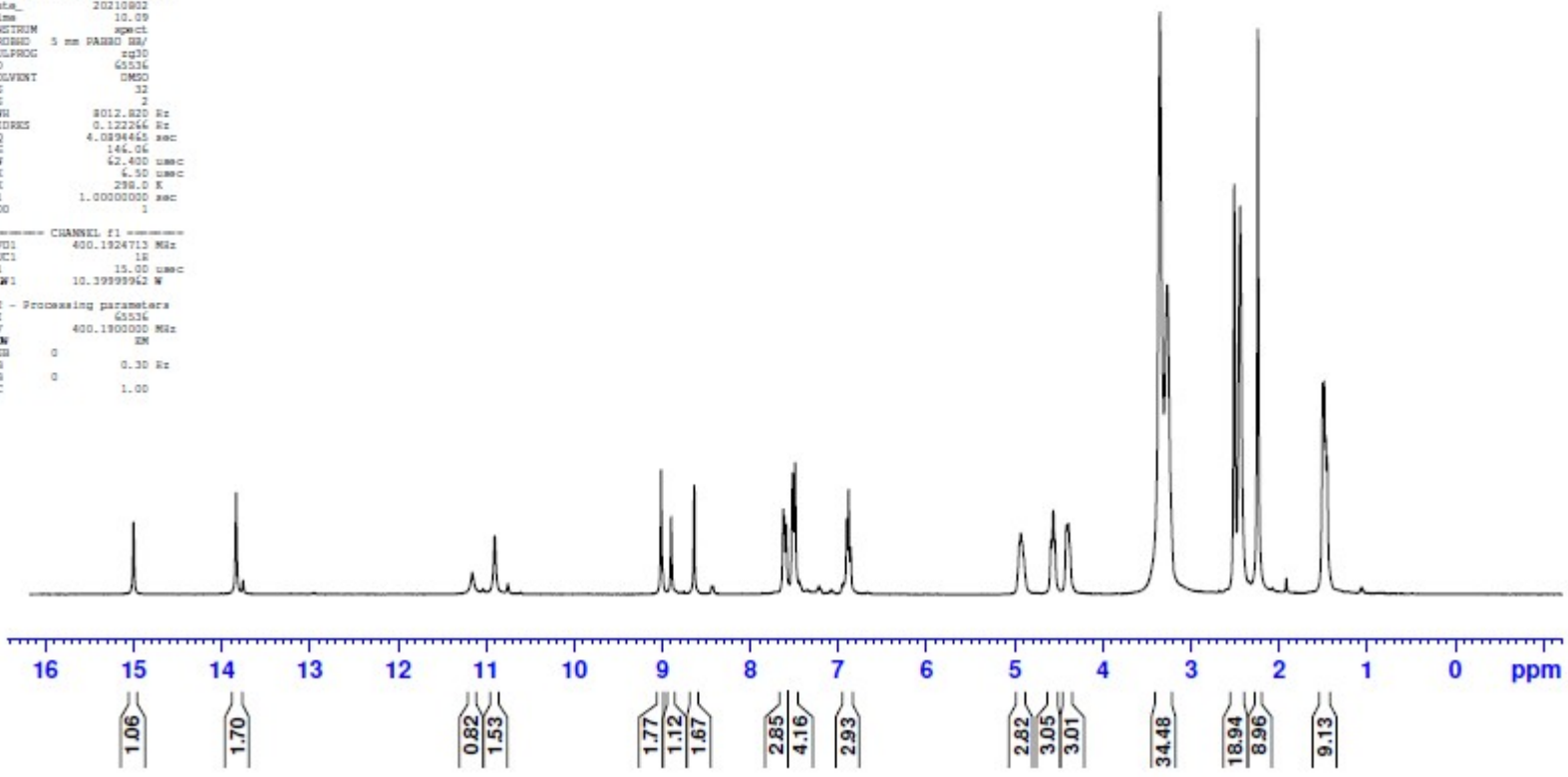
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EXPNO    10
PROCNO   1

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PULPROG  zg30
TD       65536
SOLVENT  DMSO
NS       32
DS       2
SWH      8012.800 Hz
FIDRES   0.122264 Hz
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RG       144.04
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TE       298.0 K
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TD0      1

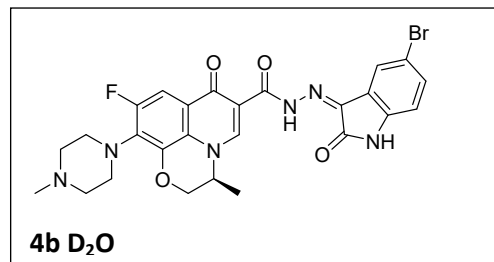
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NUC1     1H
P1       15.00 usec
PLW1     10.39999962 W

F2 - Processing parameters
SI       65536
SF       400.1900000 MHz
WDW      EM
SSB      0
GB       0
PC       1.00
    
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Amira Youssef\_H\_5-Br-Isa\_D2O

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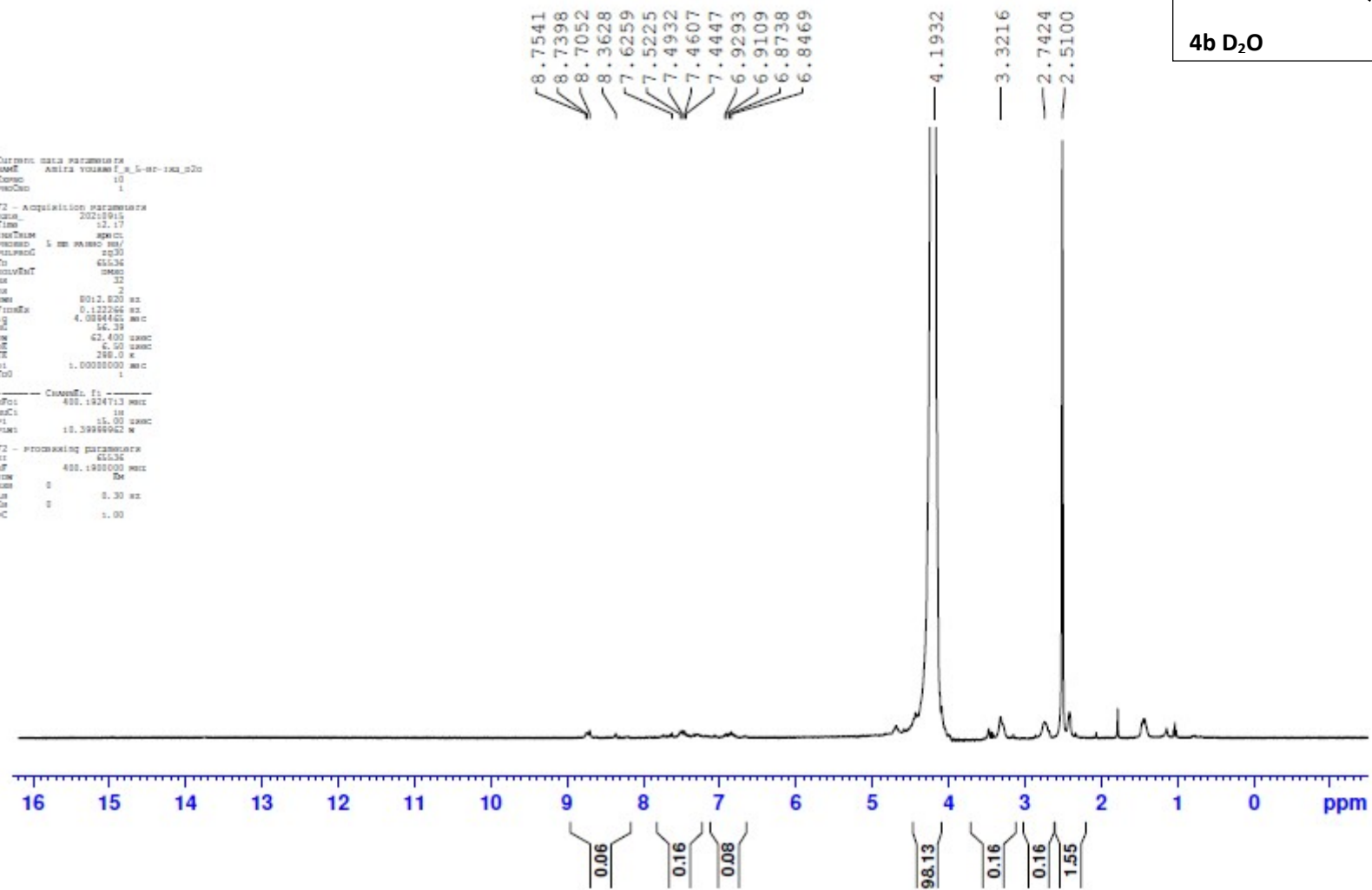
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Current data parameters
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EXPNO    10
PROCNO   1

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TIME     12.17
INSTRUM  spect
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PULPROG  zgpg30
TD       65536
SOLVENT  DMSO
AQ       32
RG       2
SM      8012.820 Hz
FIDRES   0.122266 Hz
AQ       4.089442e sec
RG       56.39
DS       62.400 umax
SFO      4.00
TE       300.0 K
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NUC1     13C
P1       15.00 umax
PCPD     15.3986962 W

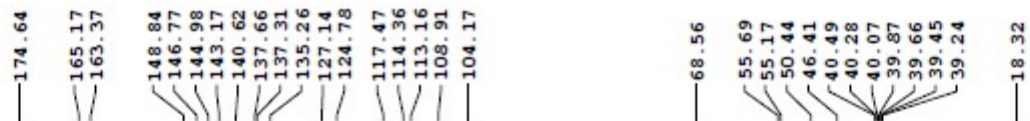
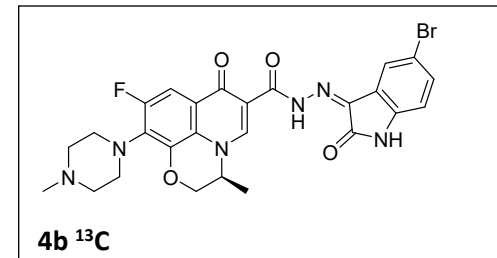
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SSB      0
LB       0.30 Hz
GB       0
PC       1.00
    
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Amira Youssef\_C\_5-Br-Isa

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Current Data Parameters  
NAME Amira Youssef\_C\_5-Br-Is  
EXPNO 10  
PROCNO 1

F2 - Acquisition Parameters

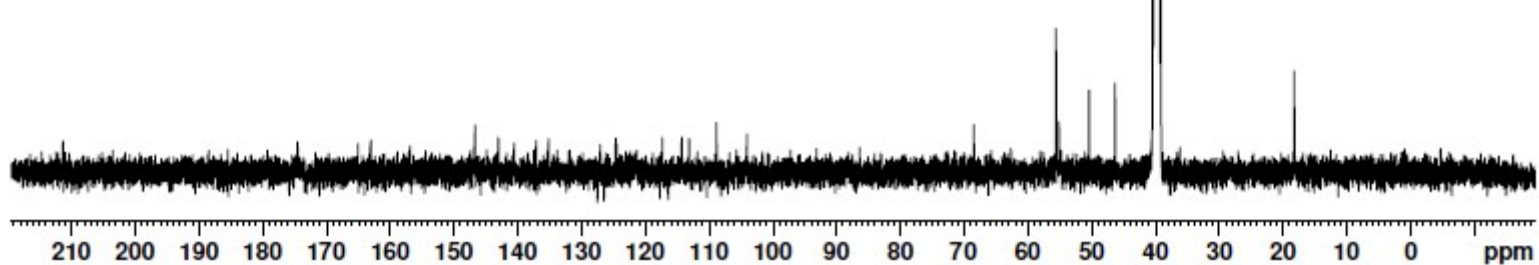
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PROBHD 5 mm PABBO BS/  
PULPROG zgpg30  
TD 65536  
SOLVENT DMSO  
NS 1500  
DS 4  
SWE 24038.461 Hz  
FIDRES 0.366798 Hz  
AQ 1.3631488 sec  
RG 202.37  
DW 20.800 usec  
DE 6.50 usec  
TE 298.1 K  
D1 2.00000000 sec  
D11 0.03000000 sec  
TD0 1

----- CHANNEL f1 -----

SFO1 100.6379178 MHz  
NUC1 13C  
P1 10.00 usec  
PIW1 45.00000000 W

----- CHANNEL f2 -----

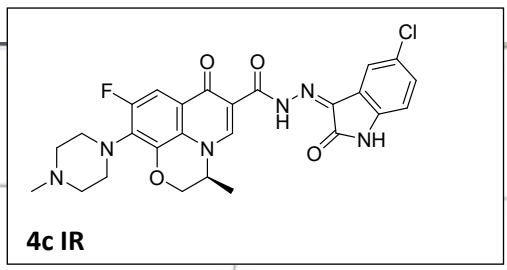
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CPDPRG[2] waltz16



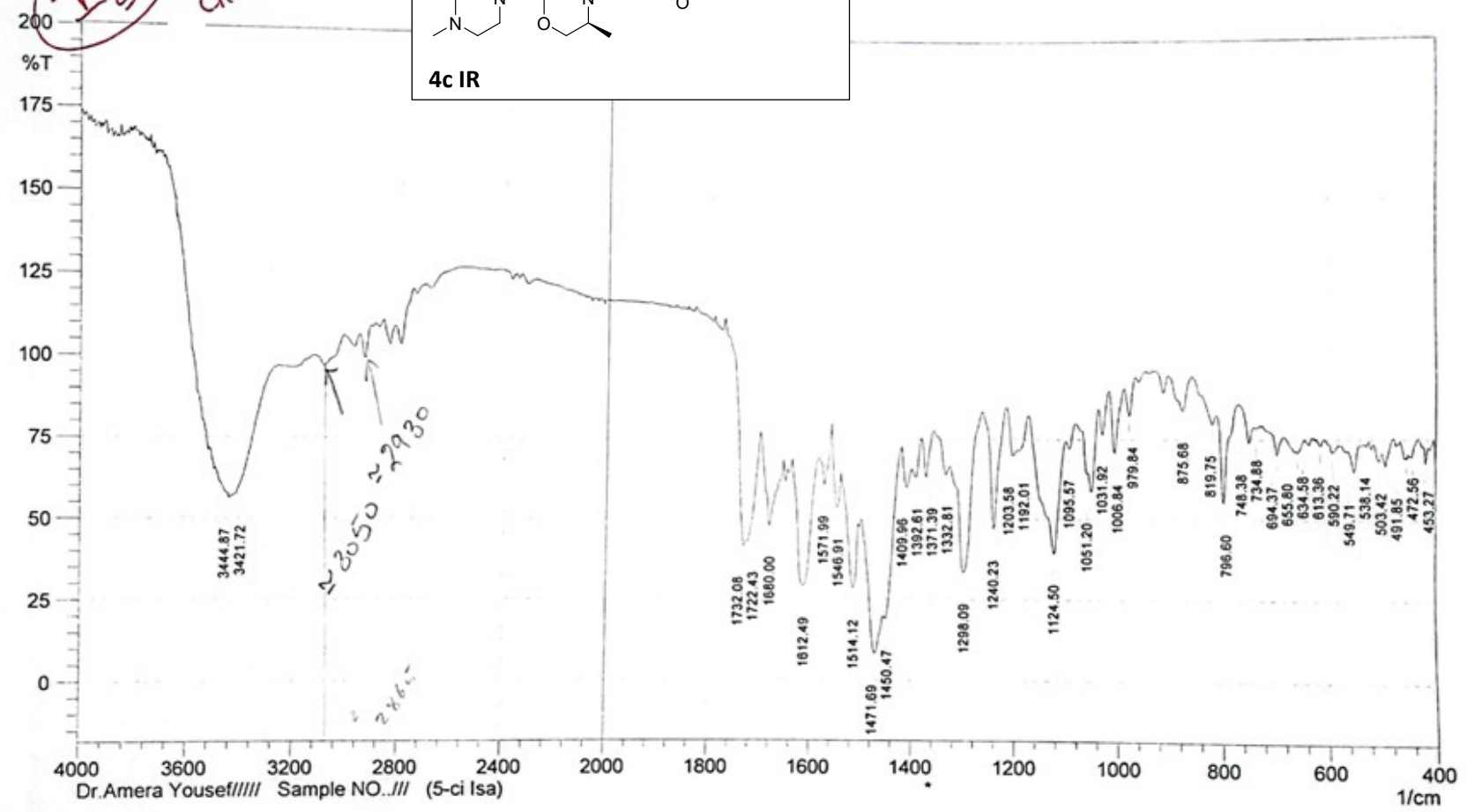


Is

chloroisatin



SHIMADZU

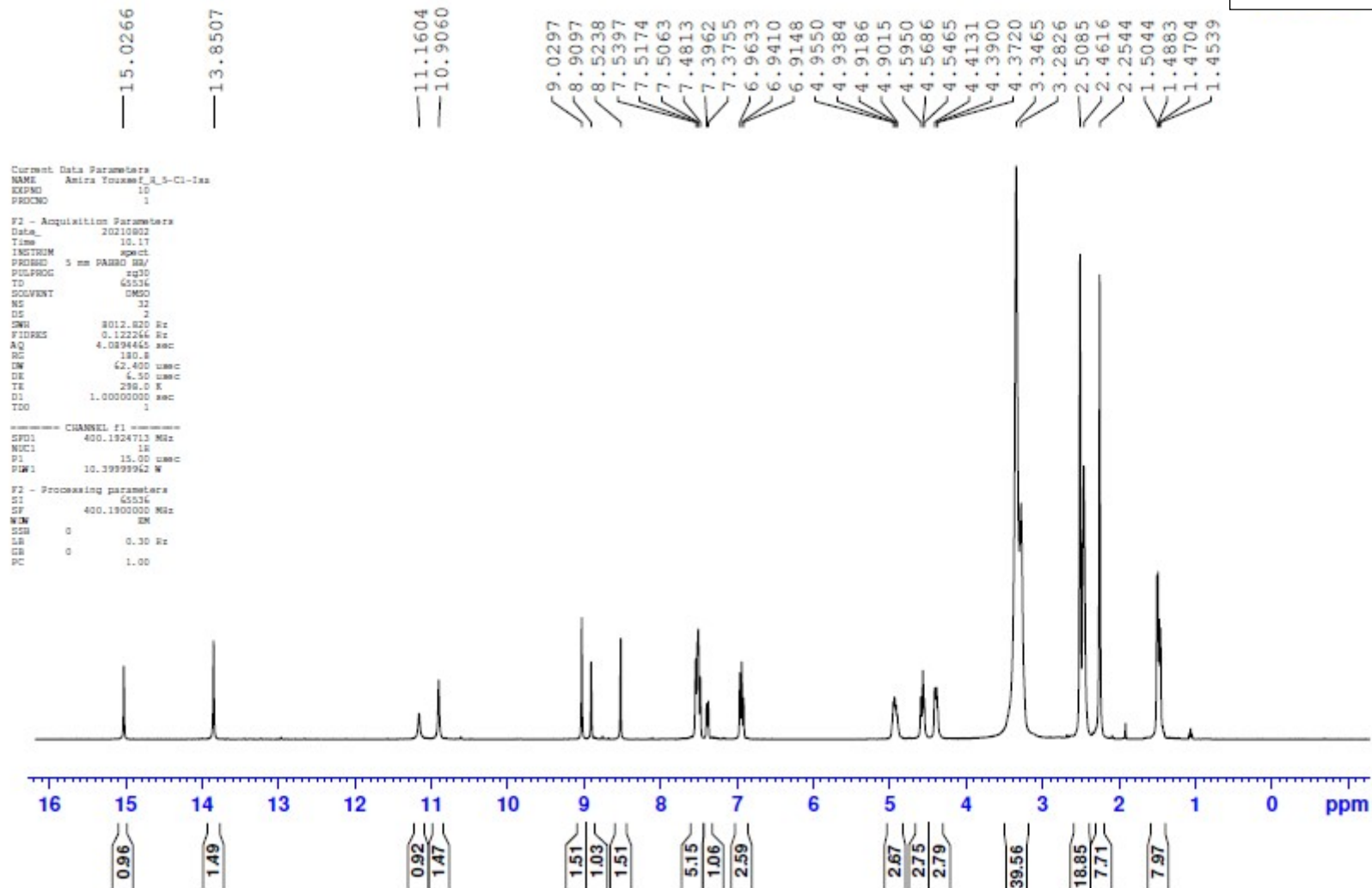
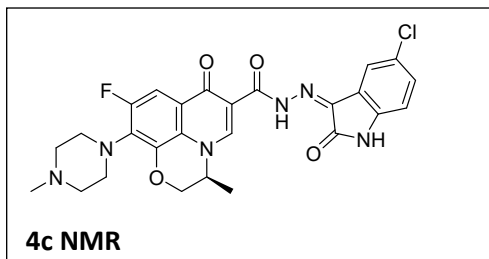


Comment;  
 Dr.Amera Yousef///// Sample NO./// (5-ci Isa)  
 \*\*Prepared By : Dr.Ahmed A.EL-Wakeel , Ph.D.

Date/Time; 4/30/2010 1:54:48 AM  
 No. of Scans; 10  
 Resolution; 4 [1/cm]  
 Apodization; Happ-Genzel  
 User; Heinrich

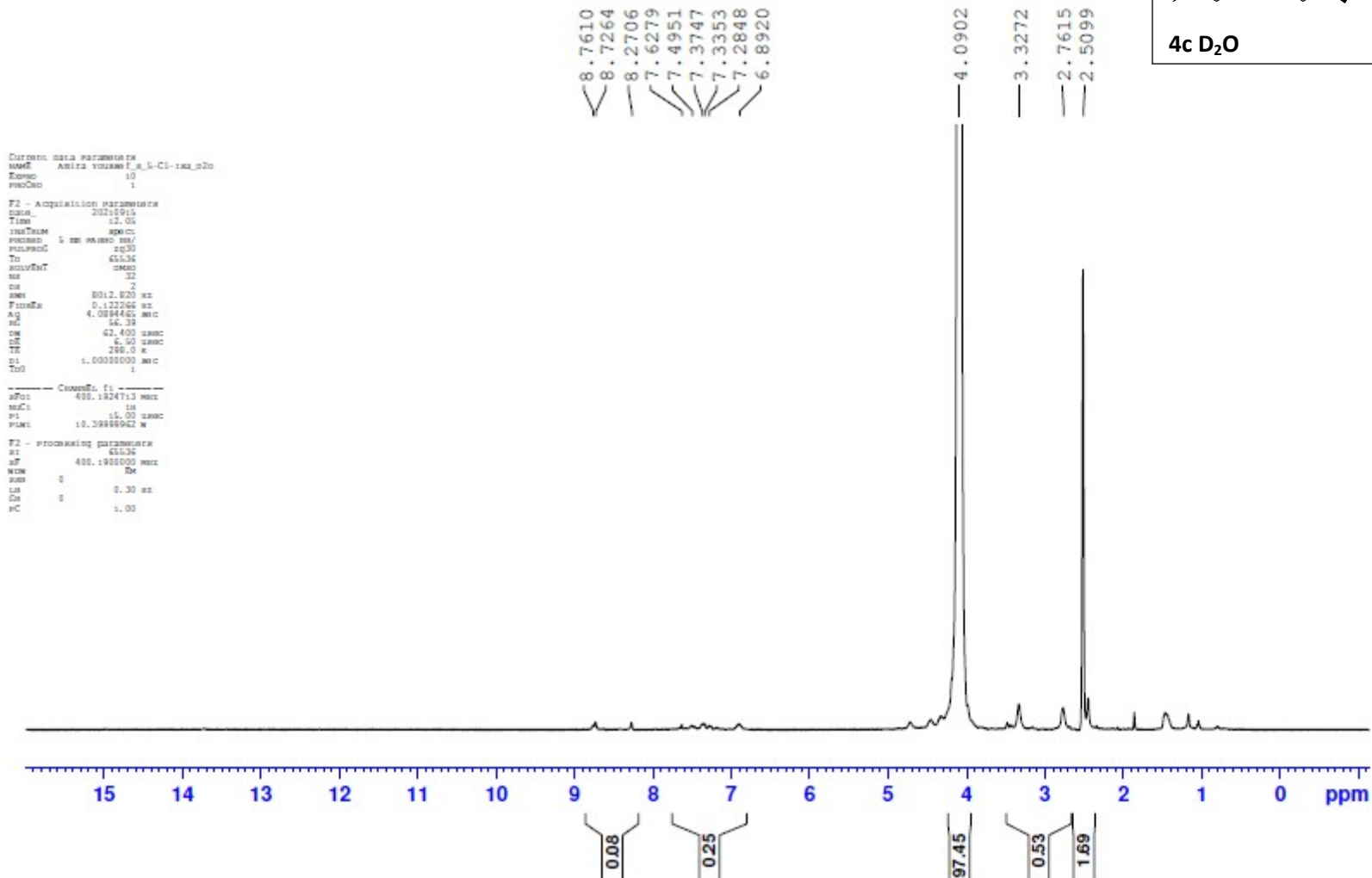
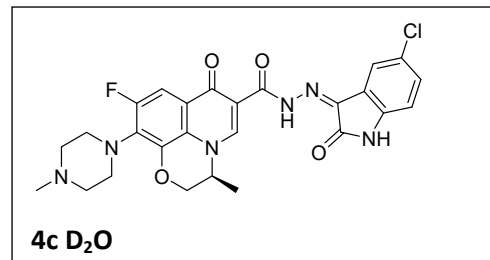
Amira Youssef\_H\_5-Cl-Isa

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Amira Youssef\_H\_5-Cl-Isa\_D2O

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www.pharma.cu.edu.eg dir-mau.fopcu@pharma.cu.edu.eg



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Current data parameters
NAME Amira Youssef_H_5-Cl-Isa_D2O
EXPNO 10
PROCNO 1

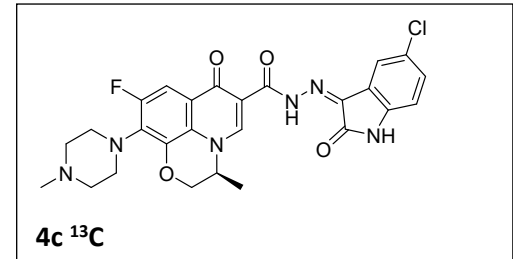
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PROBHD 5 mm HANCE HNP
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 32
DS 2
SWH 8012.820 Hz
FREQHz 400.122266 Hz
AQ 4.0884425 sec
RG 65.38
DS 62.400 umax
DE 6.50 umax
TE 298.0 K
SI 1.0000000 sec
TD0 1

===== Channel f1 =====
NUC1 13C
P1 15.00 umax
PL1 0.39999962 W

F2 - Processing parameters
SI 65536
SF 400.122266 MHz
WDW EM
SSB 0
GB 0.30 Hz
CB 0
PC 1.00
    
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Amira Youssef\_C\_5-Cl-Isa

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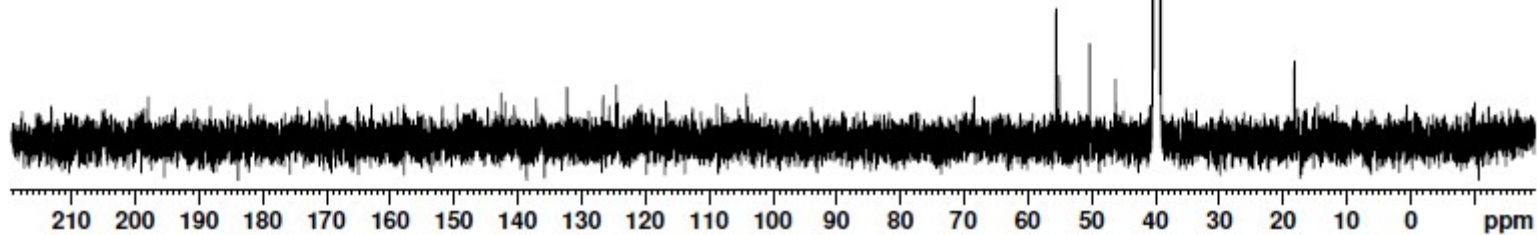
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EXPNO 10  
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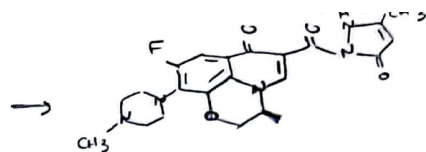
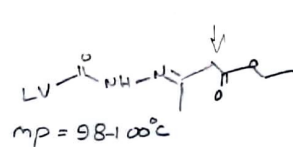
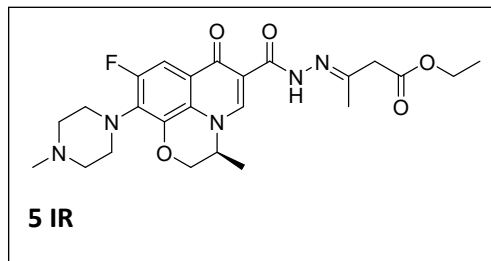
F2 - Acquisition Parameters

Date\_ 20210829  
Time 9.58  
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PULPROG zgpg30  
TD 65536  
SOLVENT DMSO  
NS 200  
DS 4  
SWE 24038.461 Hz  
FIDRES 0.366798 Hz  
AQ 1.3631488 sec  
RG 202.37  
DW 20.800 usac  
DE 6.50 usac  
TK 298.0 K  
D1 2.0000000 sec  
D11 0.0300000 sec  
TDO 1

----- CHANNEL f1 -----  
SFO1 100.6379178 MHz  
NUC1 13C  
P1 10.00 usac  
PIW1 45.00000000 W

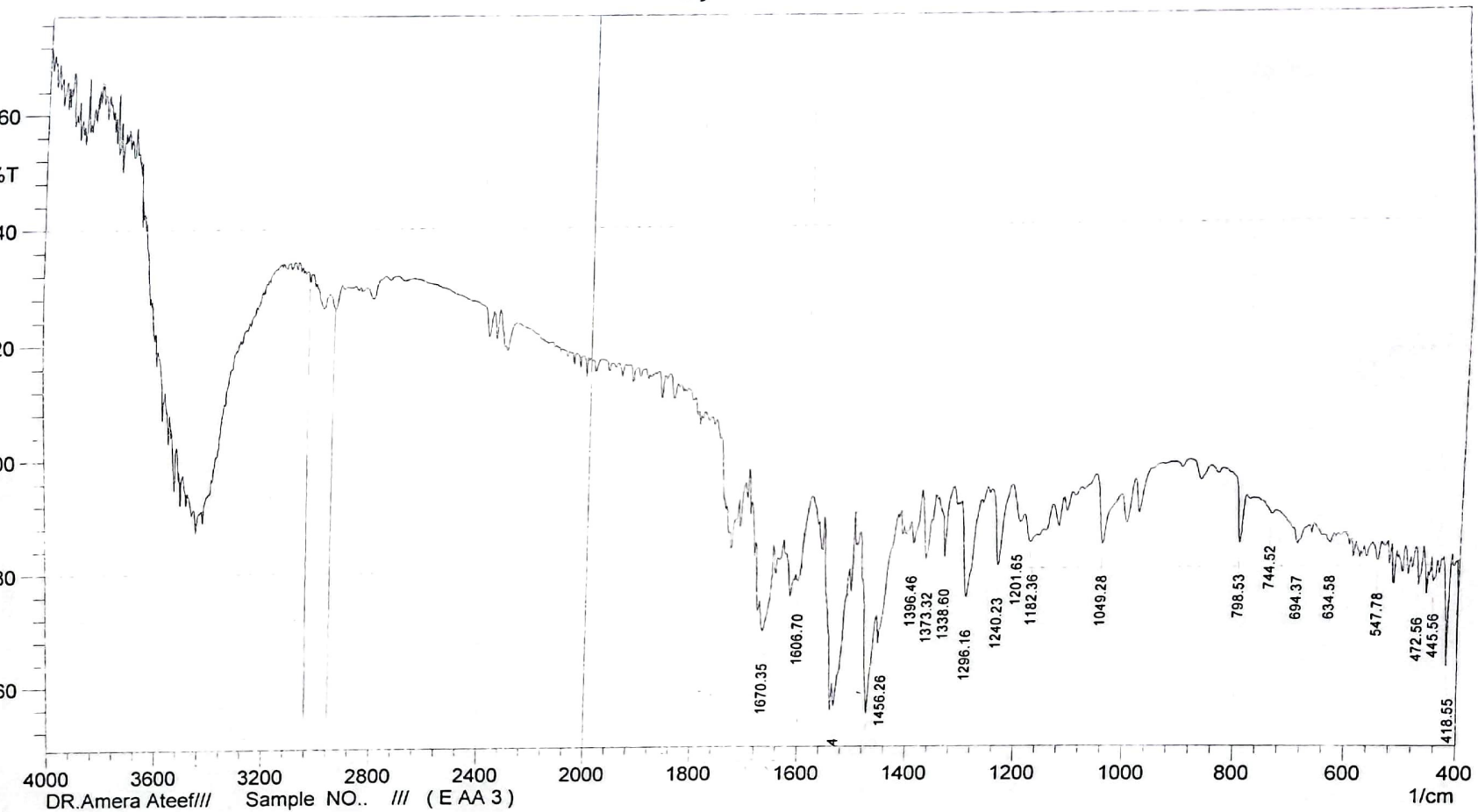
----- CHANNEL f2 -----  
SFO2 400.1916008 MHz  
NUC2 1H  
CPDPRG[2] waltz16

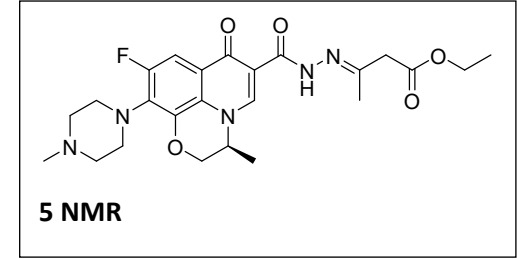
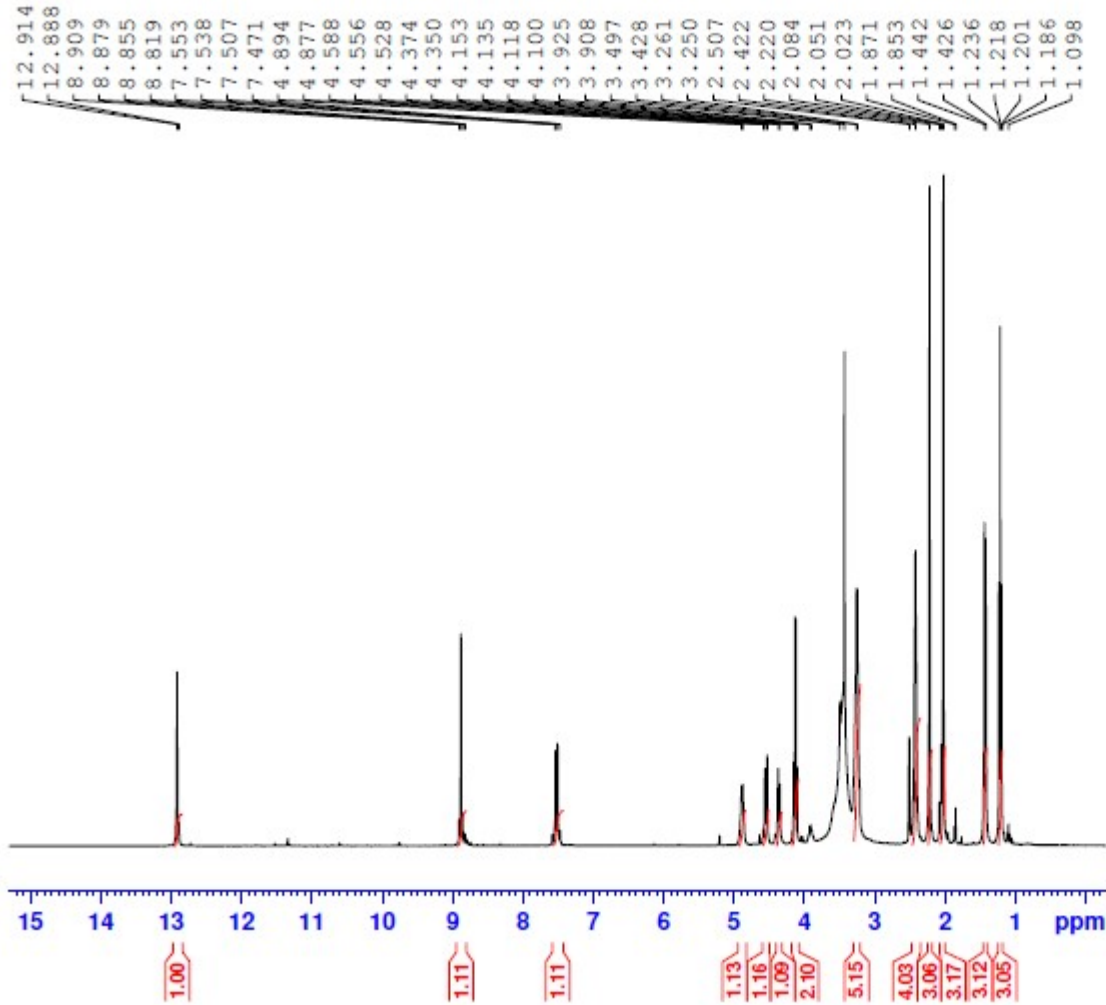




mp = 178-180°C

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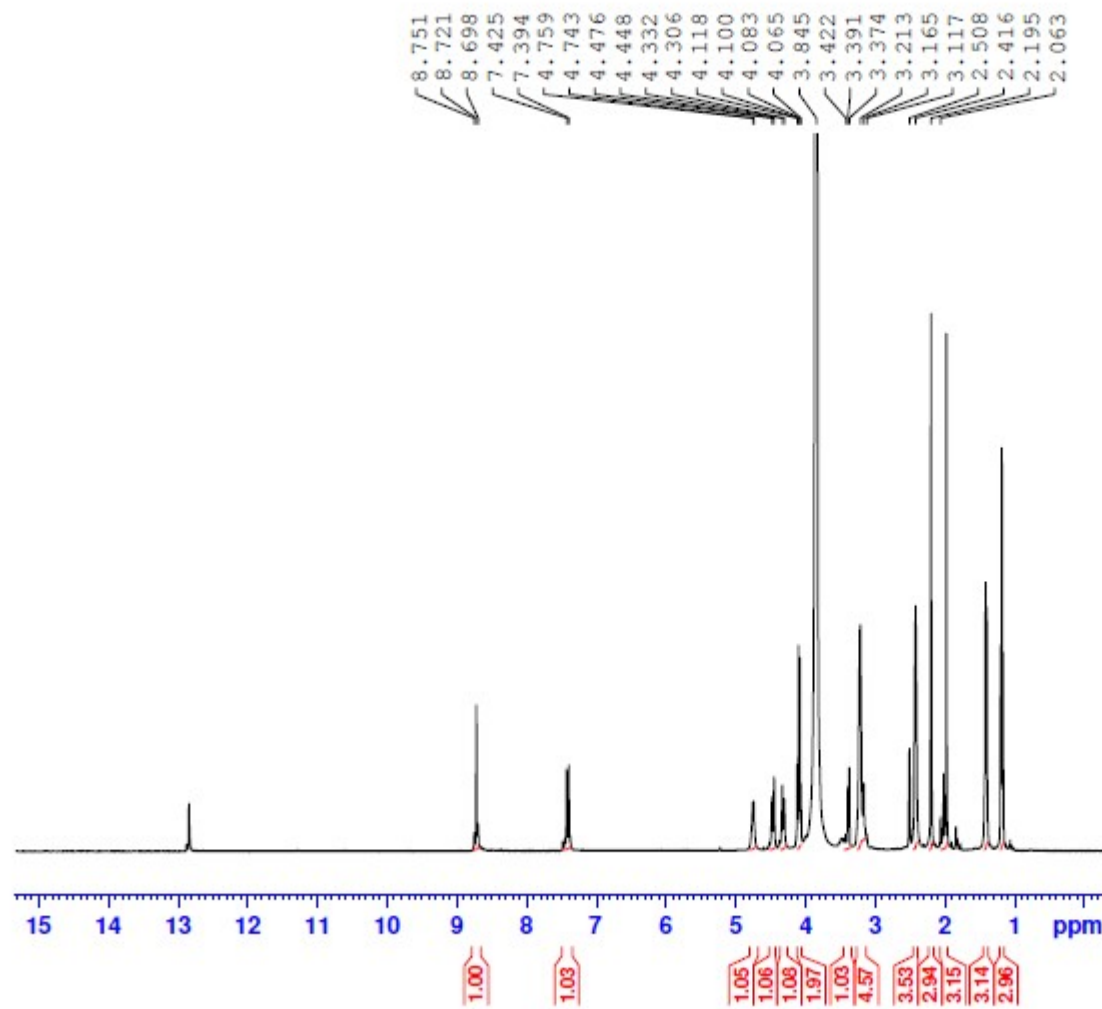
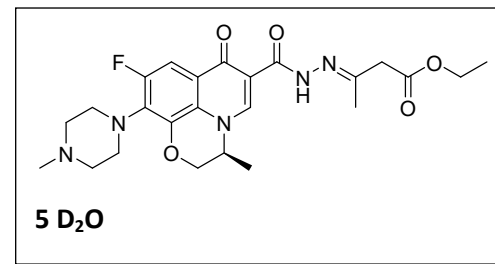


Current Data Parameters  
 NAME amira-youssef-EAA  
 EXPNO 1  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20211125  
 Time 14.51  
 INSTRUM spect  
 PROBHD 5 mm FAPBO 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  
 TDO 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



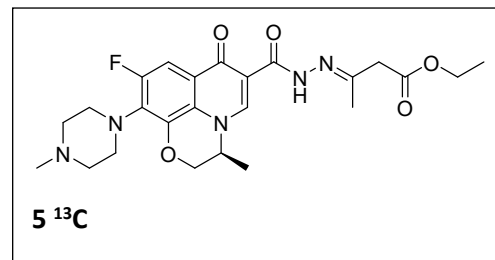
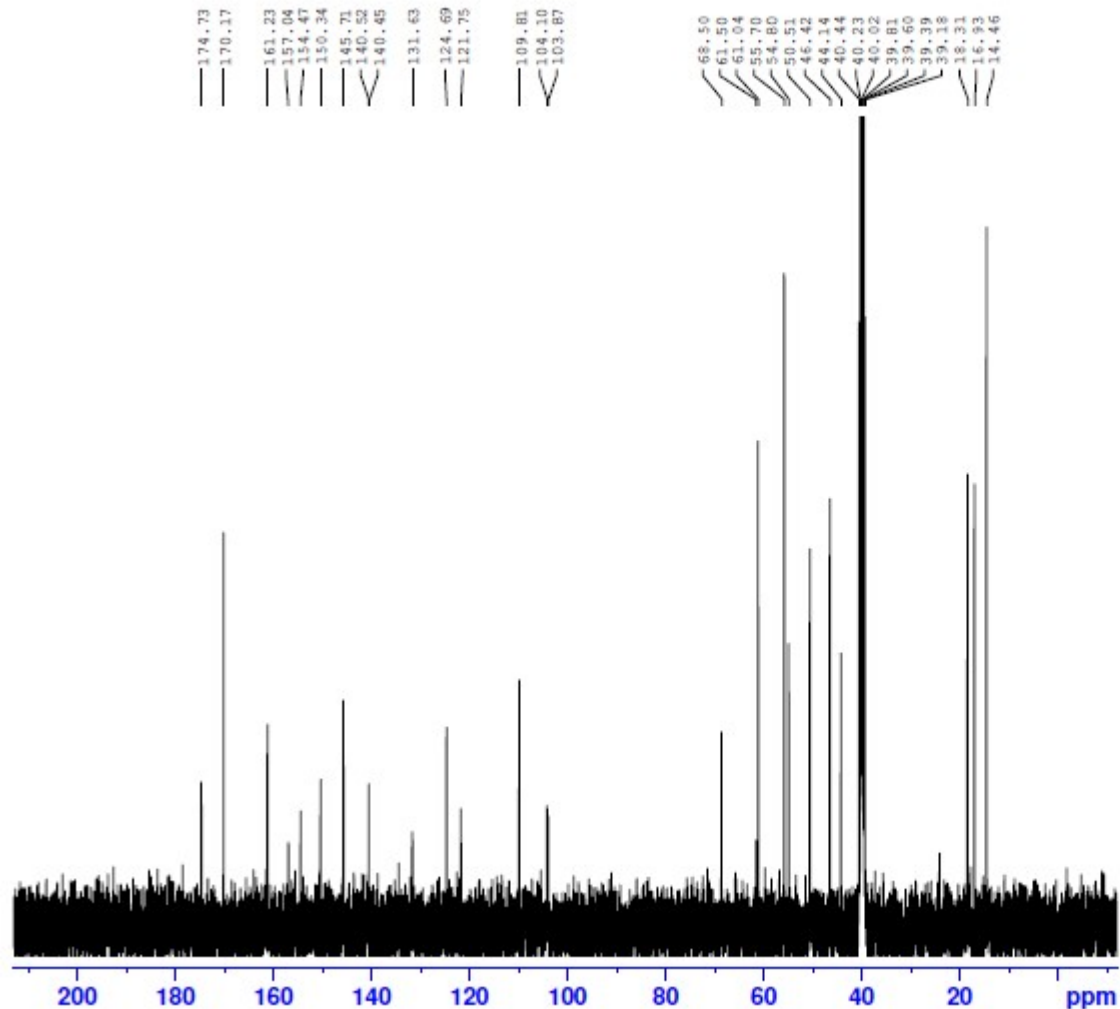
Current Data Parameters  
 NAME anira-youssef-EAA-d2o  
 EXPNO 1  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20211212  
 Time 15.56  
 INSTRUM spect  
 PROCNO 5 mm PABBO BB/  
 PULPROG zg30  
 TD 65536  
 SOLVENT DMSO  
 NS 16  
 DS 2  
 SWH 8012.820 Hz  
 FIDRES 0.122266 Hz  
 AQ 4.0894465 sec  
 RG 117.48  
 DW 62.400 usec  
 DE 6.50 usec  
 TE 300.0 K  
 D1 1.00000000 sec  
 TD0 1

----- CHANNEL f1 -----  
 SF01 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





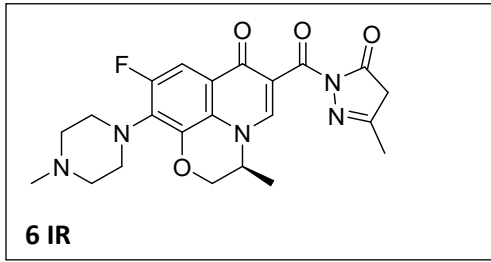
Current Data Parameters  
NAME amira-youssef-EAA  
EXPNO 2  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20211212  
Time 13.57  
INSTRUM spect  
PROBHD 5 mm PABBO BB/  
PULPROG zgpg30  
TD 65536  
SOLVENT DMSO  
NS 643  
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 2.0000000 sec  
D11 0.0300000 sec  
TD0 1

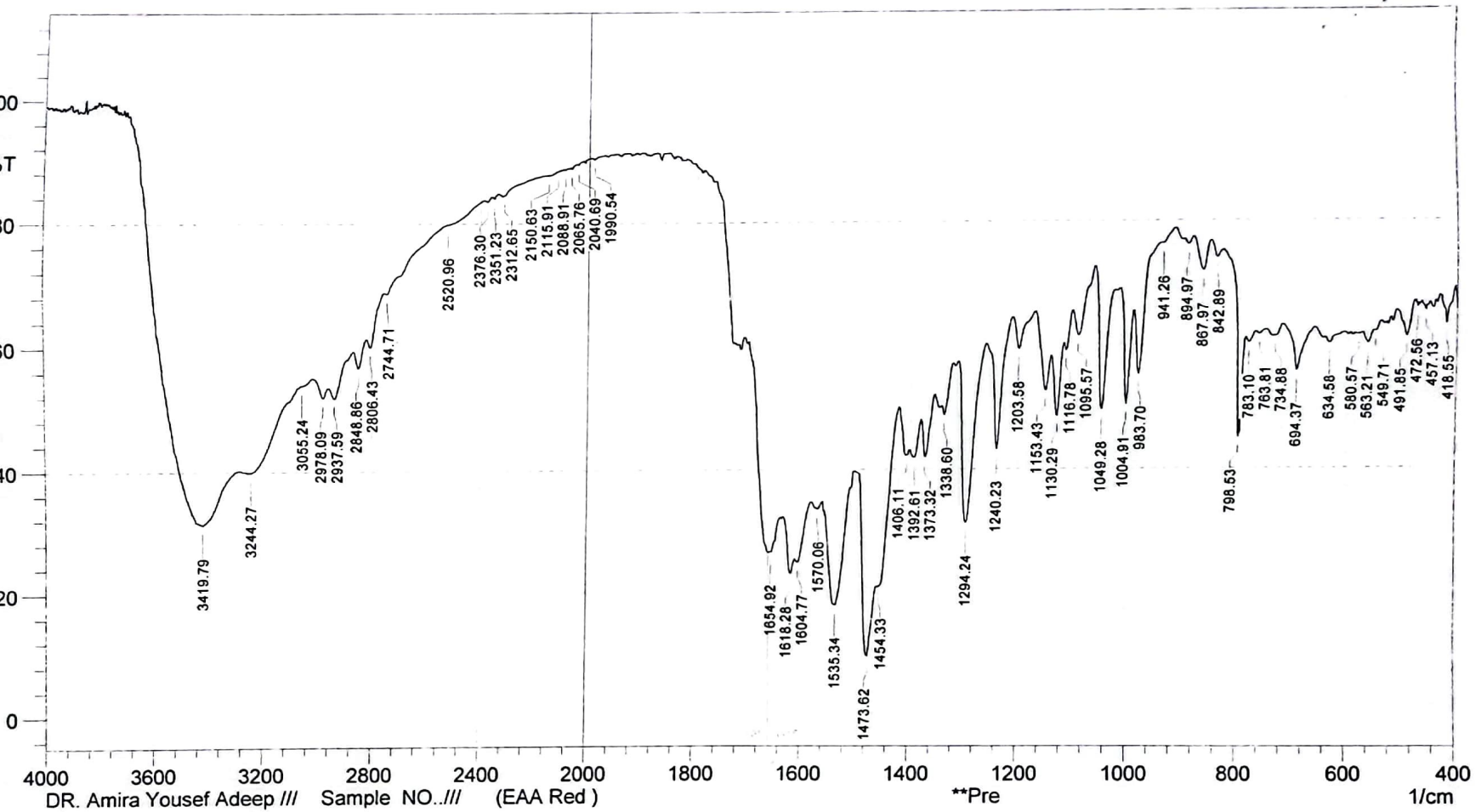
===== CHANNEL f1 =====  
SFO1 100.6278588 MHz  
NUC1 13C  
P1 10.00 usec  
PLW1 47.00000000 W

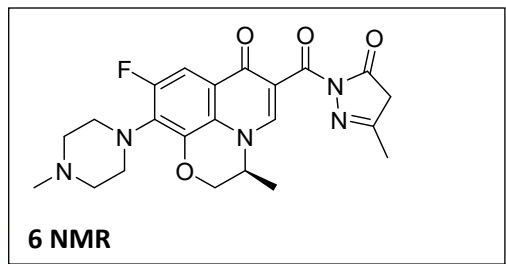
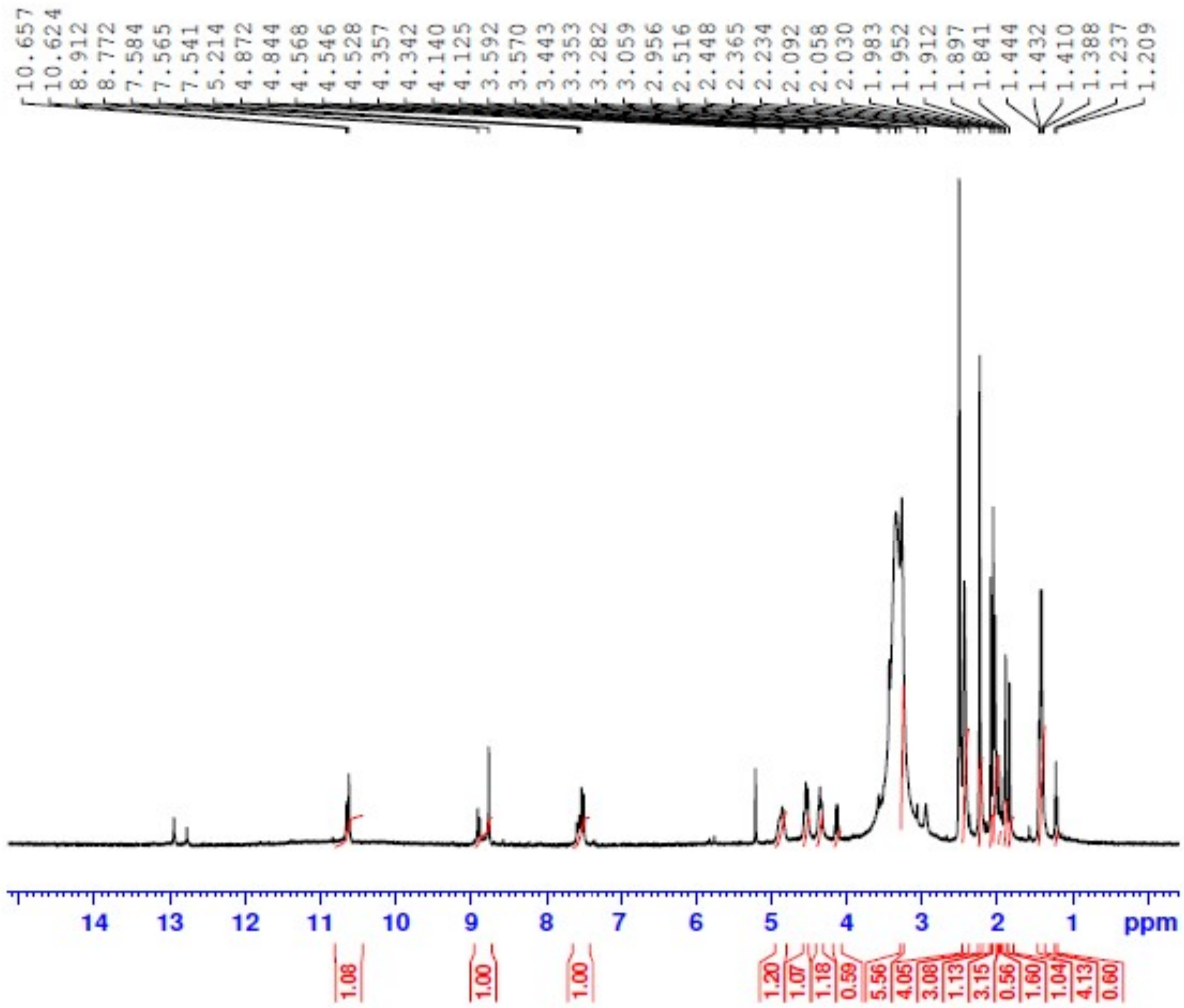
===== CHANNEL f2 =====  
SFO2 400.1516006 MHz  
NUC2 1H  
CPDPRG[2] waltz16  
PCPD2 90.00 usec  
PLW2 18.00000000 W  
PLW12 0.34722000 W  
PLW13 0.28125000 W

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



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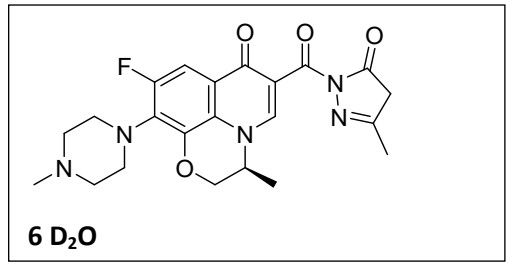
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Current Data Parameters
NAME      amira-youssef-EAA-red
EXPNO     1
PROCNO    1

F2 - Acquisition Parameters
Date_     20220119
Time      16.29
INSTRUM   spect
PROBHD    5 mm PABBO BB/
PULPROG   zg30
TD         65536
SOLVENT   DMSO
NS         32
DS         2
SWH        8012.820 Hz
FIDRES     0.122266 Hz
AQ         4.0894465 sec
RG         31.47
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
  
```



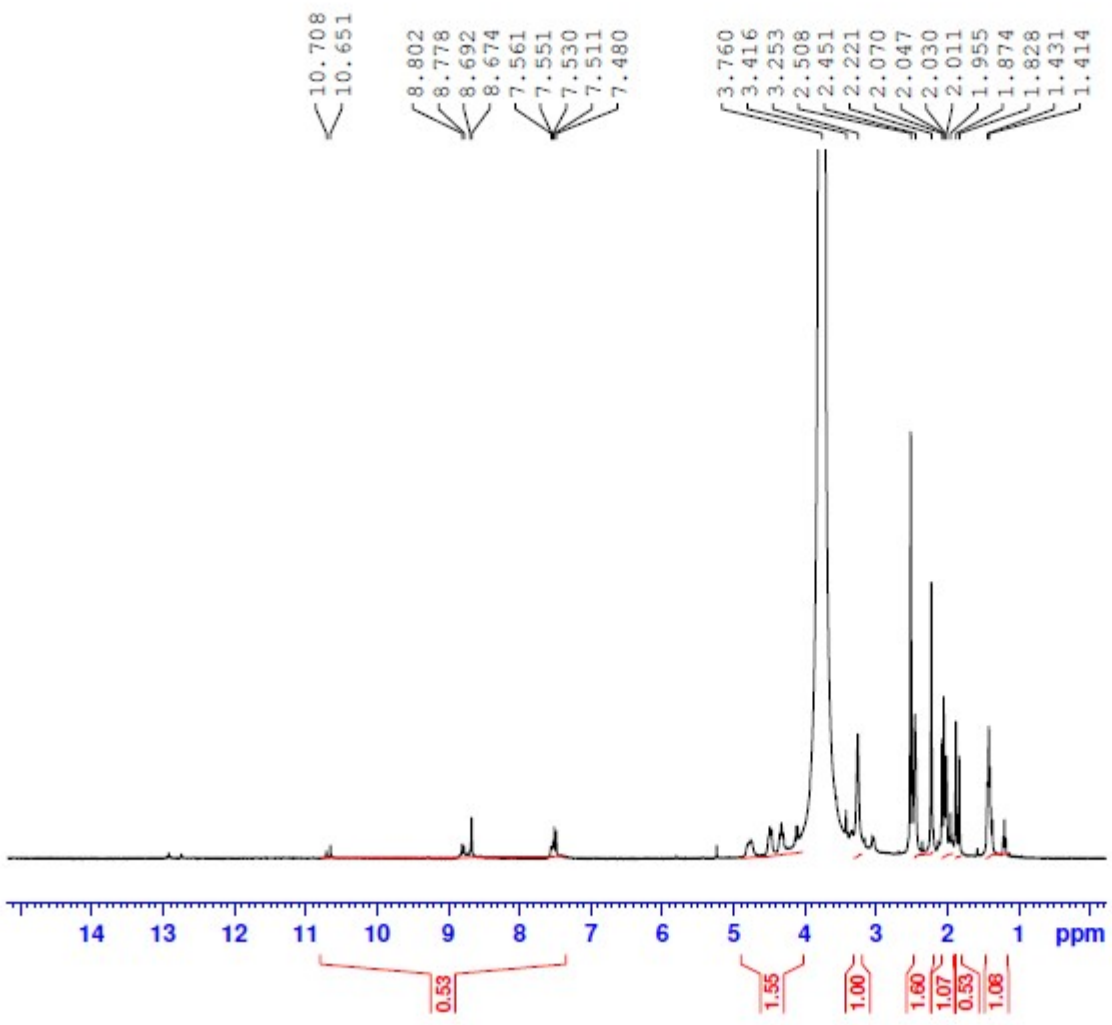
Current Data Parameters  
 NAME amira-youssef-EAA-red-d2o  
 EXPNO 1  
 PROCNO 1

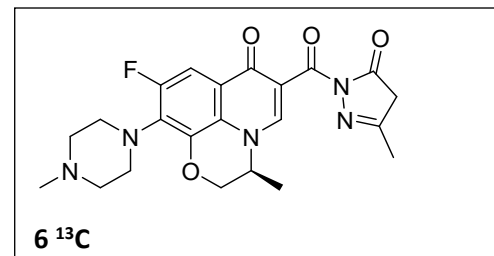
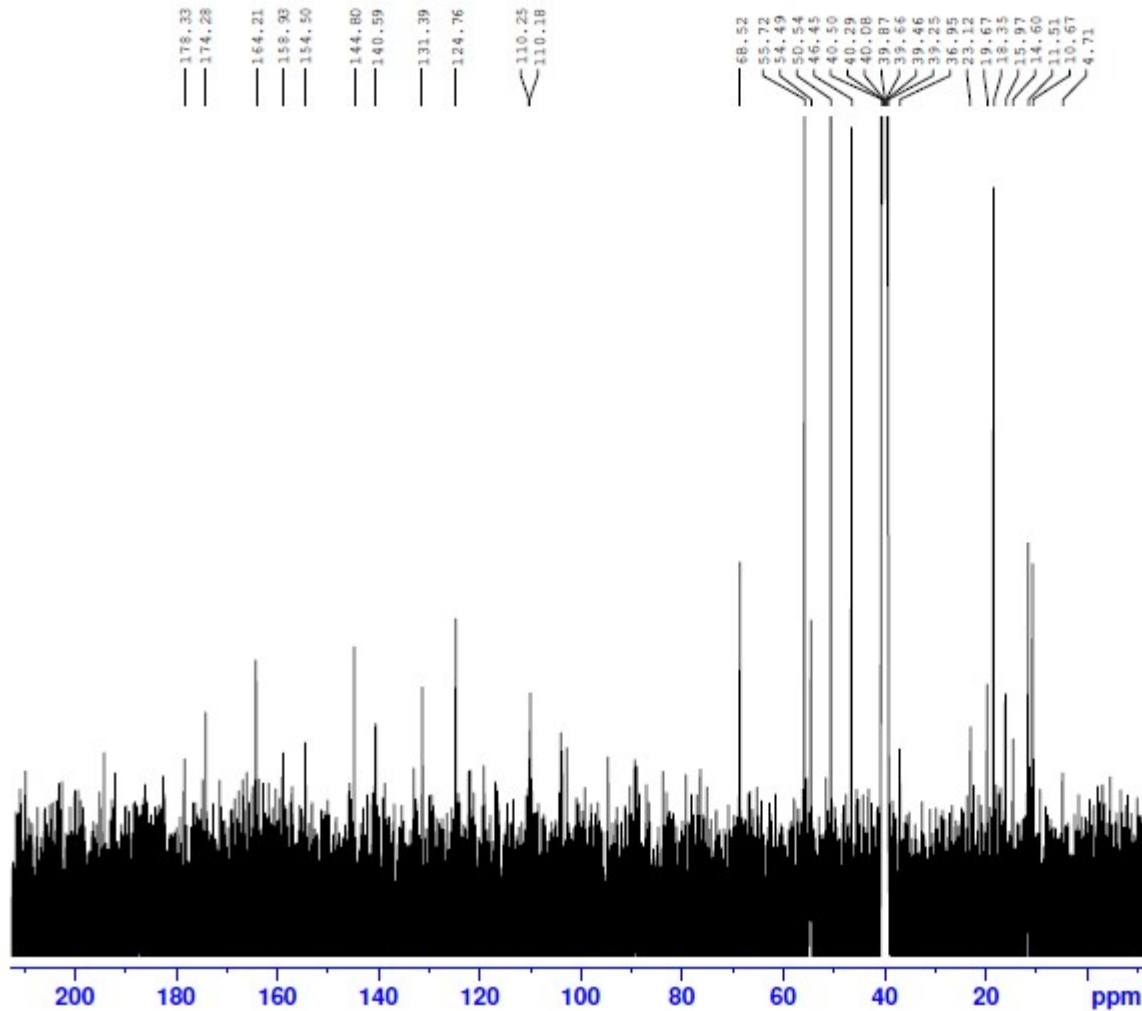
F2 - Acquisition Parameters  
 Date\_ 20220209  
 Time 10.37  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB/  
 PULPROG zg30  
 TD 65536  
 SOLVENT DMSO  
 NS 88  
 DS 2  
 SWH 8012.820 Hz  
 FIDRES 0.122266 Hz  
 AQ 4.0894465 sec  
 RG 205.37  
 DW 62.400 usec  
 DE 6.50 usec  
 TE 300.0 K  
 D1 1.00000000 sec  
 TDO 1

CHANNEL f1

SFO1 400.1524711 MHz  
 NUCL1 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





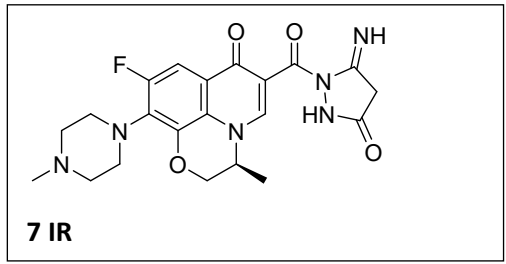
Current Data Parameters  
 NAME amira-youssef-EAA-red  
 EXPNO 2  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20220209  
 Time 6.09  
 INSTRUM spect  
 PROSHD 5 mm PABBO BB/  
 PULPROG zgpg30  
 TD 65536  
 SOLVENT DMSO  
 NS 15000  
 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 299.9 K  
 D1 2.00000000 sec  
 D11 0.03000000 sec  
 TD0 1

----- CHANNEL #1 -----  
 SFO1 100.6278588 MHz  
 NUC1 13C  
 P1 10.00 usec  
 P1W1 47.00000000 W

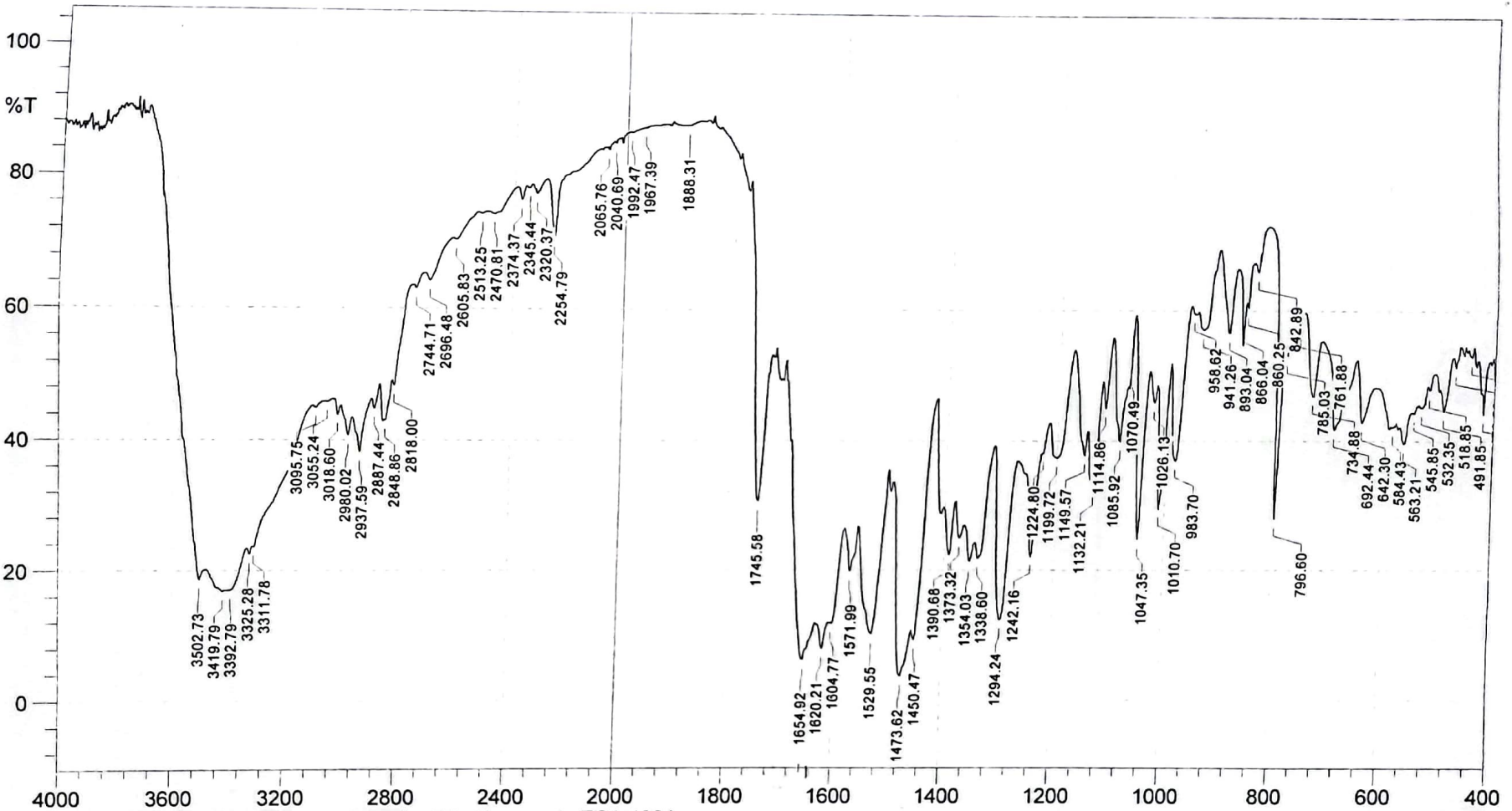
----- CHANNEL #2 -----  
 SFO2 400.1516006 MHz  
 NUC2 1H  
 CPDPRG[2] waltz16  
 PCPD2 90.00 usec  
 P1W2 18.00000000 W  
 P1W12 0.34722000 W  
 P1W13 0.28125000 W

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

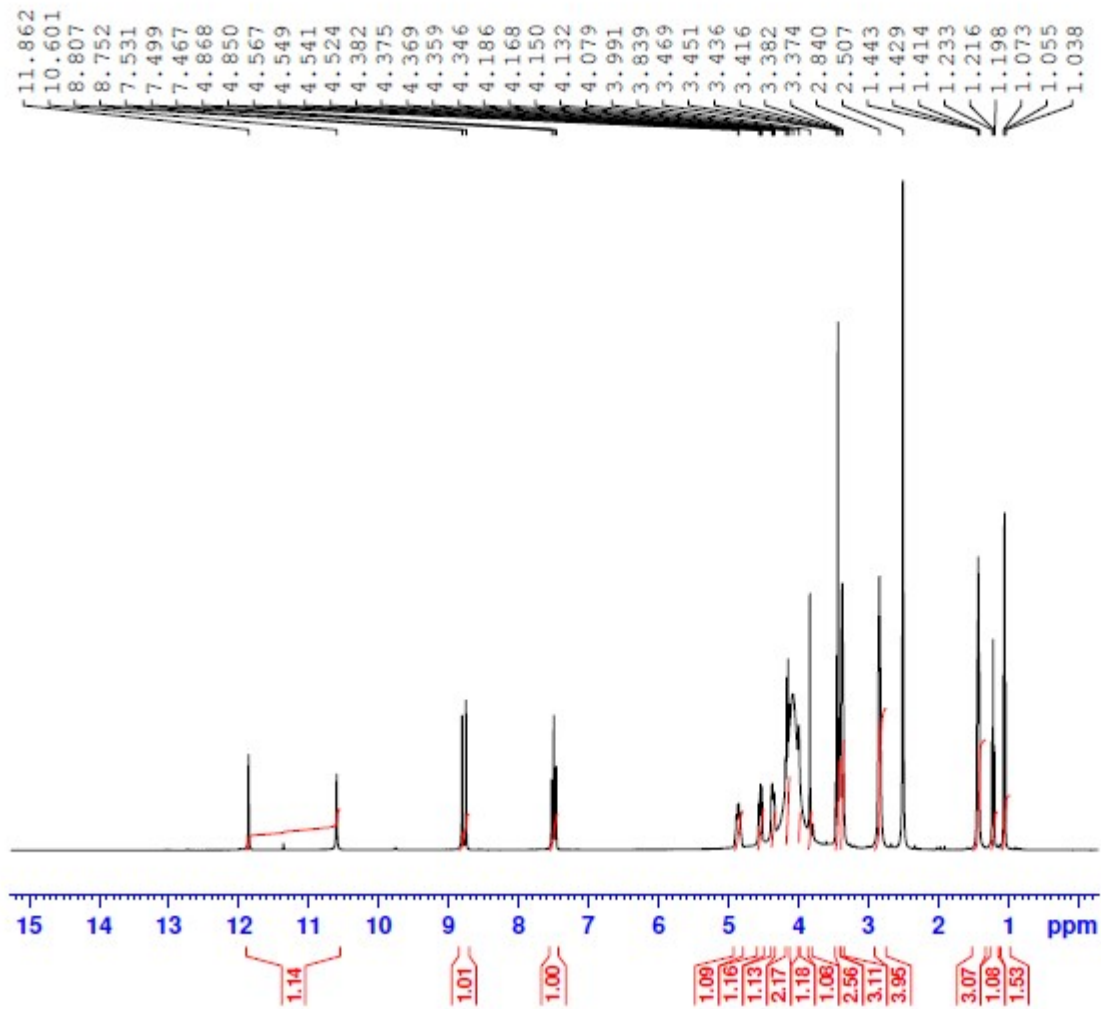


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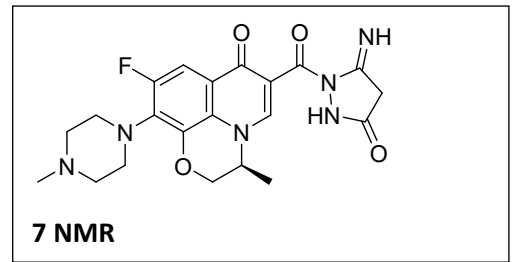


Current Data Parameters  
 NAME amira-youssef-EcyA  
 EXPNO 1  
 PROCNO 1

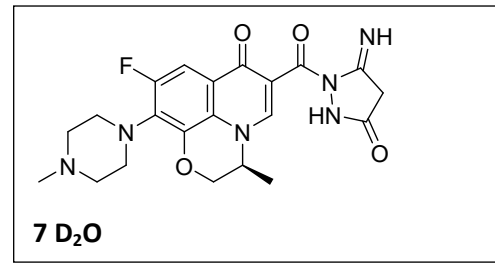
F2 - Acquisition Parameters  
 Date\_ 20220426  
 Time 10.38  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB/  
 PULPROG zg30  
 ID 65536  
 SOLVENT DMSO  
 NS 97  
 DS 2  
 SWH 8012.820 Hz  
 FIDRES 0.122266 Hz  
 AQ 4.0894465 sec  
 RG 205.37  
 DW 62.400 usec  
 DE 6.50 usec  
 TE 300.0 K  
 D1 1.00000000 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





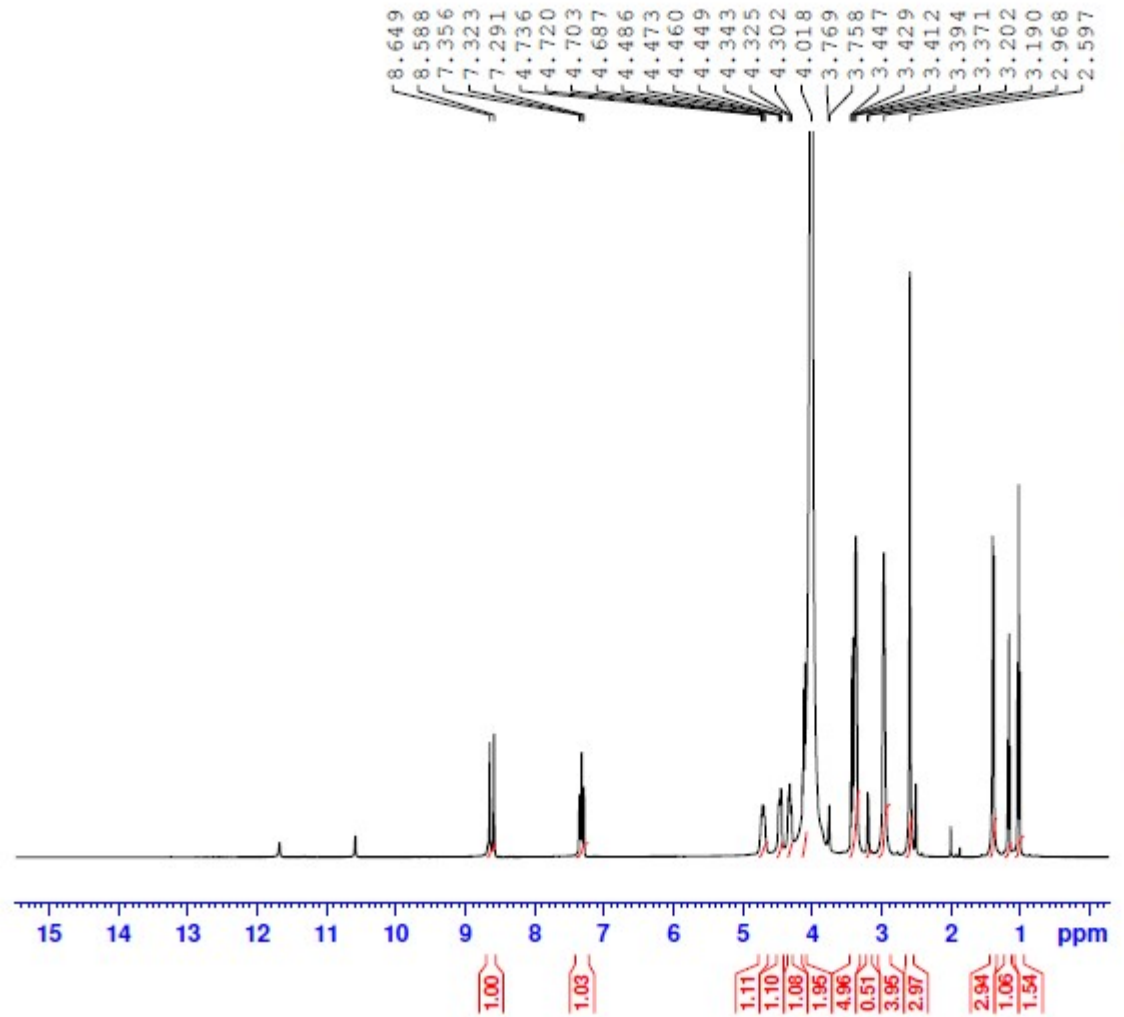


Current Data Parameters  
 NAME amira-youssef-EcyA-d2o  
 EXPNO 1  
 PROCNO 1

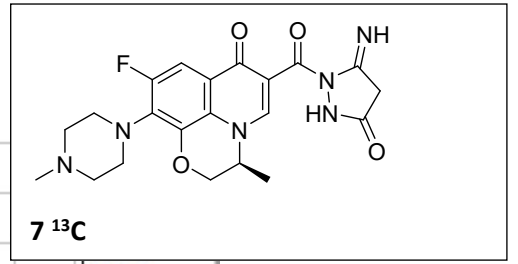
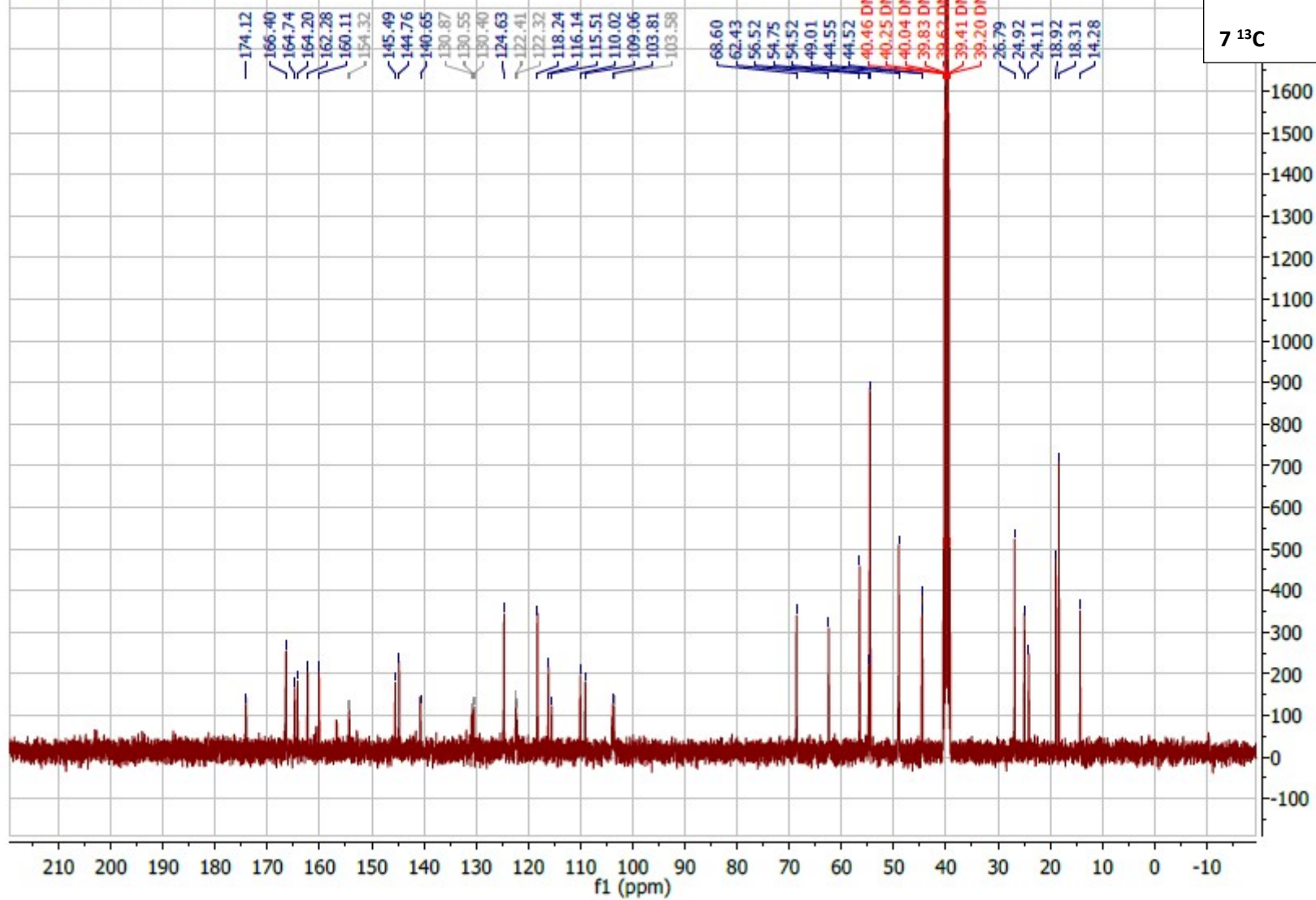
F2 - Acquisition Parameters  
 Date\_ 20220606  
 Time 8.09  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB/  
 PULPROG zg30  
 TD 65536  
 SOLVENT DMSO  
 NS 56  
 DS 2  
 SWH 8012.820 Hz  
 FIDRES 0.122266 Hz  
 AQ 4.0894465 sec  
 RG 103.61  
 DW 62.400 usec  
 DE 6.50 usec  
 TE 300.0 K  
 D1 1.00000000 sec  
 TDO 1

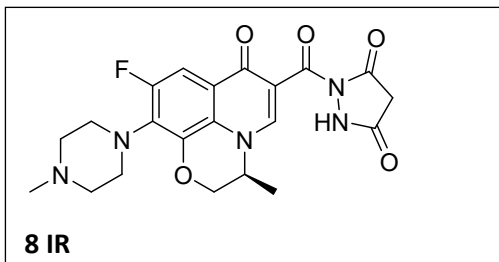
----- CHANNEL f1 -----  
 SFO1 400.1524711 MHz  
 NUC1 1H  
 P1 12.00 usec  
 PIW1 18.00000000 W

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

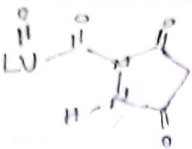


amira-youssef-EcyA.2.fid

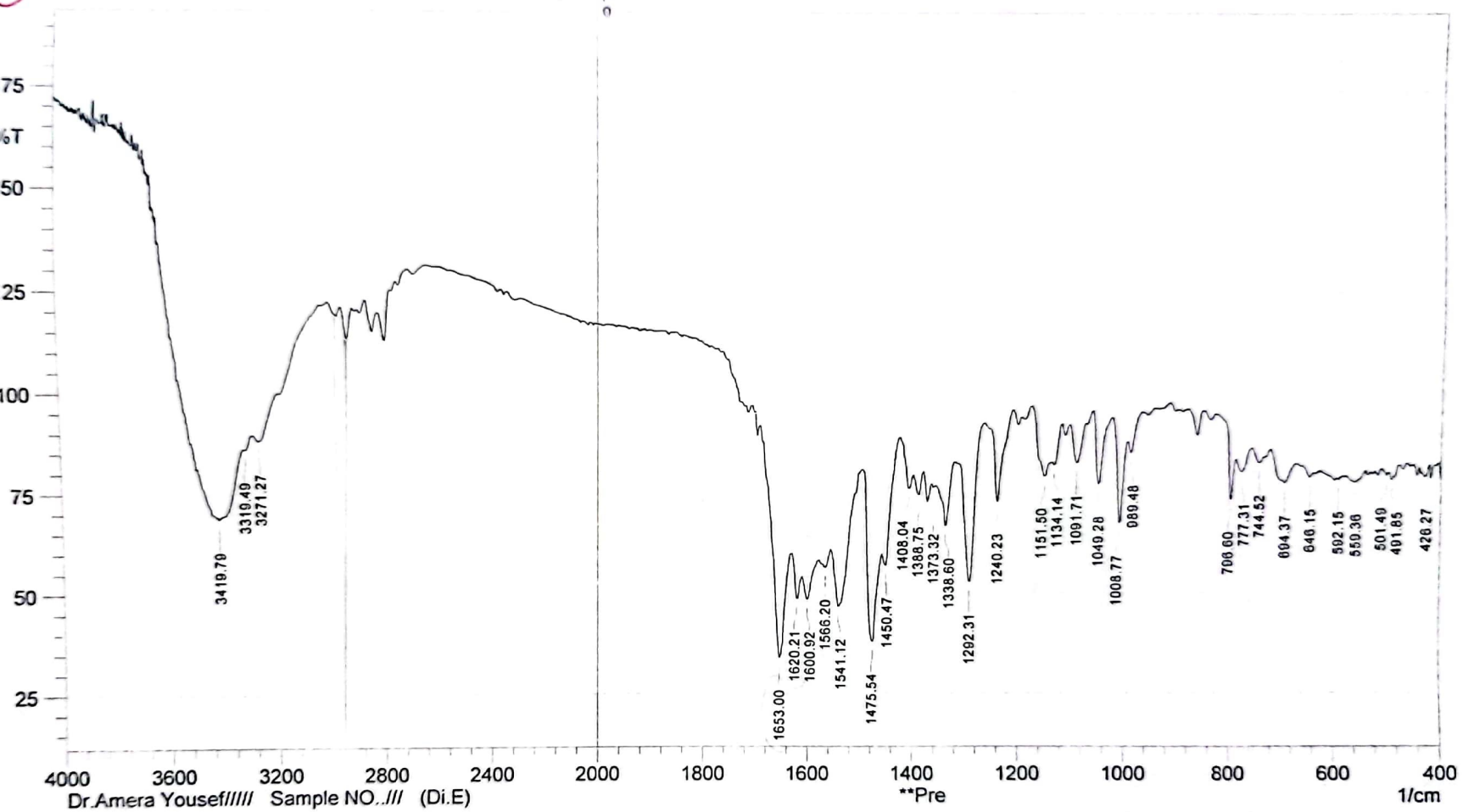




mp = 228-230°C

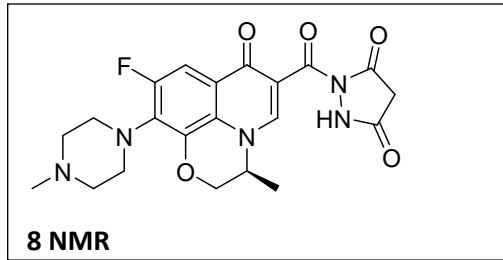


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Amira Youssef\_H\_Malon

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www.pharma.cu.edu.eg dir-mau.fopcu@pharma.cu.edu.eg



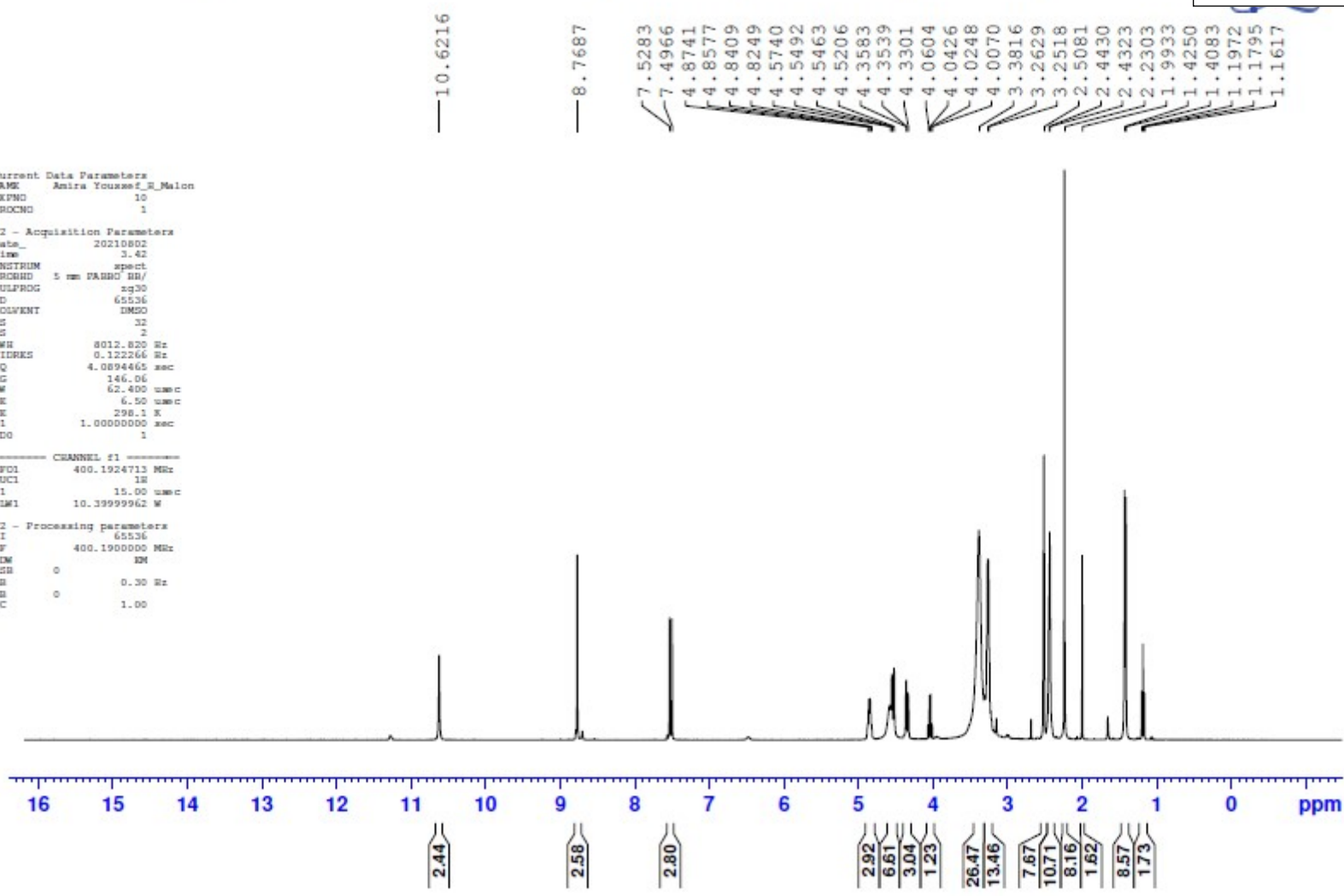
```

Current Data Parameters
NAME      Amira Youssef_H_Malon
EXPNO    10
PROCNO   1

F2 - Acquisition Parameters
Date_    20210802
Time     3.42
INSTRUM  spect
PROBHD   5 mm PABBO BH/
PULPROG  zg30
TD       65536
SOLVENT  DMSO
NS       32
DS       2
SWH      8012.820 Hz
FIDRES   0.122266 Hz
AQ       4.0894661 sec
RG       146.06
DM       62.400 umsec
DE       6.50 umsec
TE       298.1 K
D1       1.00000000 sec
TD0      1

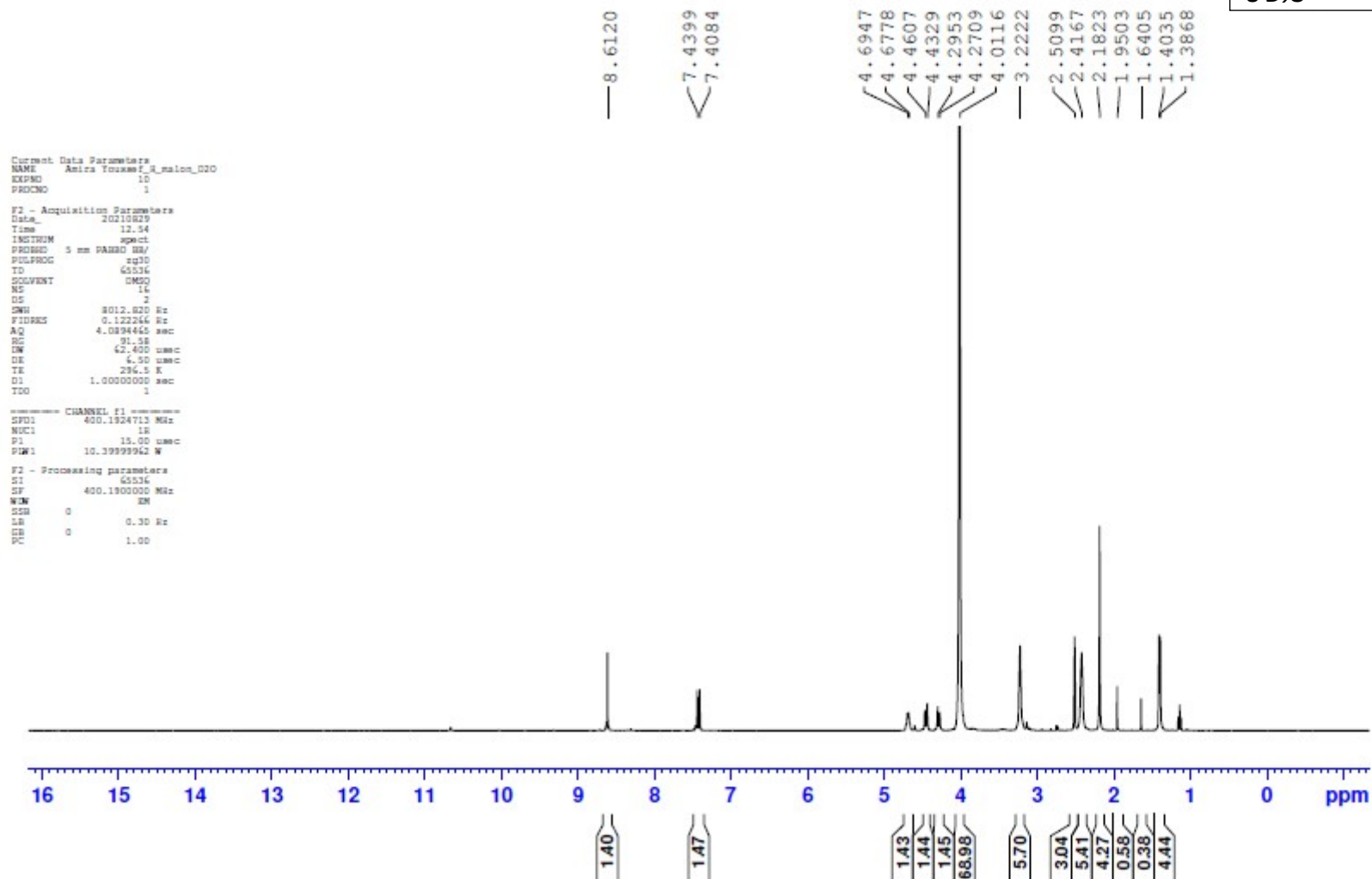
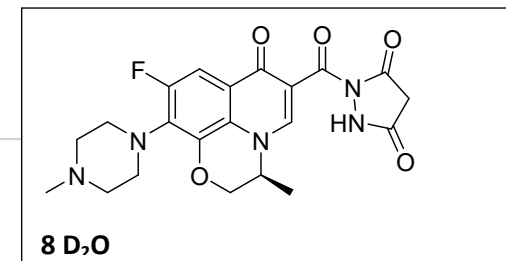
----- CHANNEL f1 -----
SF01     400.1924713 MHz
NUC1      1H
P1        15.00 umsec
PLM1     10.39999962 W

F2 - Processing parameters
SI        65536
SF        400.1900000 MHz
WDW       EM
SSB       0
LB        0.30 Hz
GB        0
PC        1.00
    
```



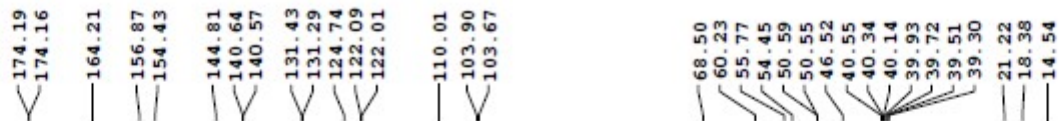
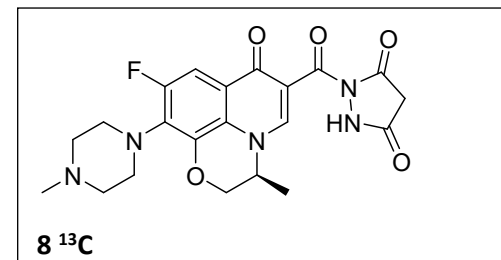
Amira Youssef\_H\_malon\_D2O

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Amira Youssef\_C\_malon

Microanalytical Unit - FOPCU - NMR laboratory  
 www.pharma.cu.edu.eg dir-mau.fopcu@pharma.cu.edu.eg

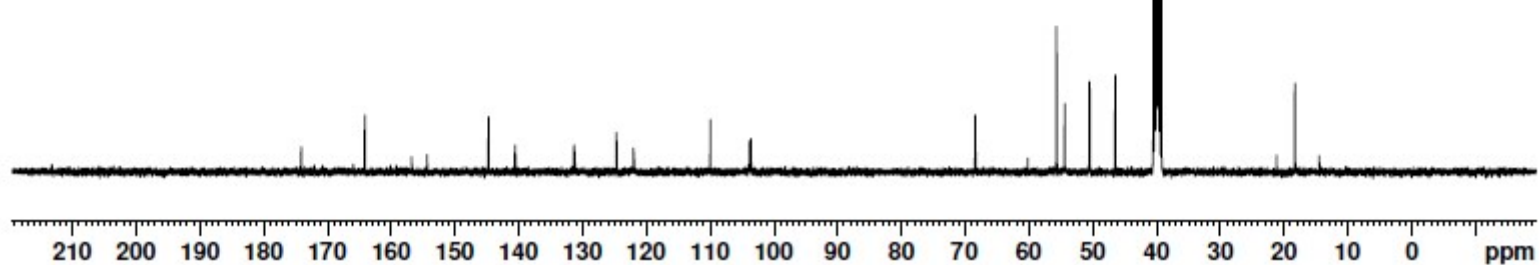


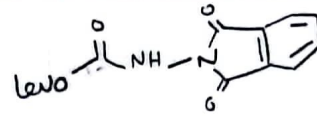
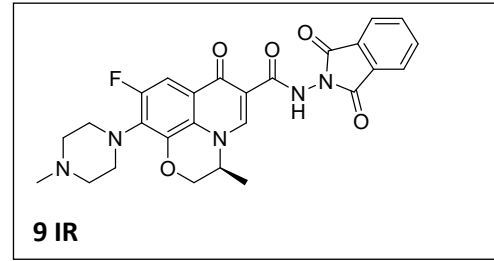
Current Data Parameters  
 NAME Amira Youssef\_C\_malon  
 EXPNO 10  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20210826  
 Time 20.17  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB/  
 PULPROG zgpg30  
 ID 65536  
 SOLVENT DMSO  
 NS 1500  
 DS 4  
 SWH 24038.461 Hz  
 FIDRES 0.366798 Hz  
 AQ 1.3631488 sec  
 RG 202.37  
 LW 20.800 usac  
 DE 6.50 usac  
 TE 298.0 K  
 D1 2.00000000 sec  
 D11 0.03000000 sec  
 TDO 1

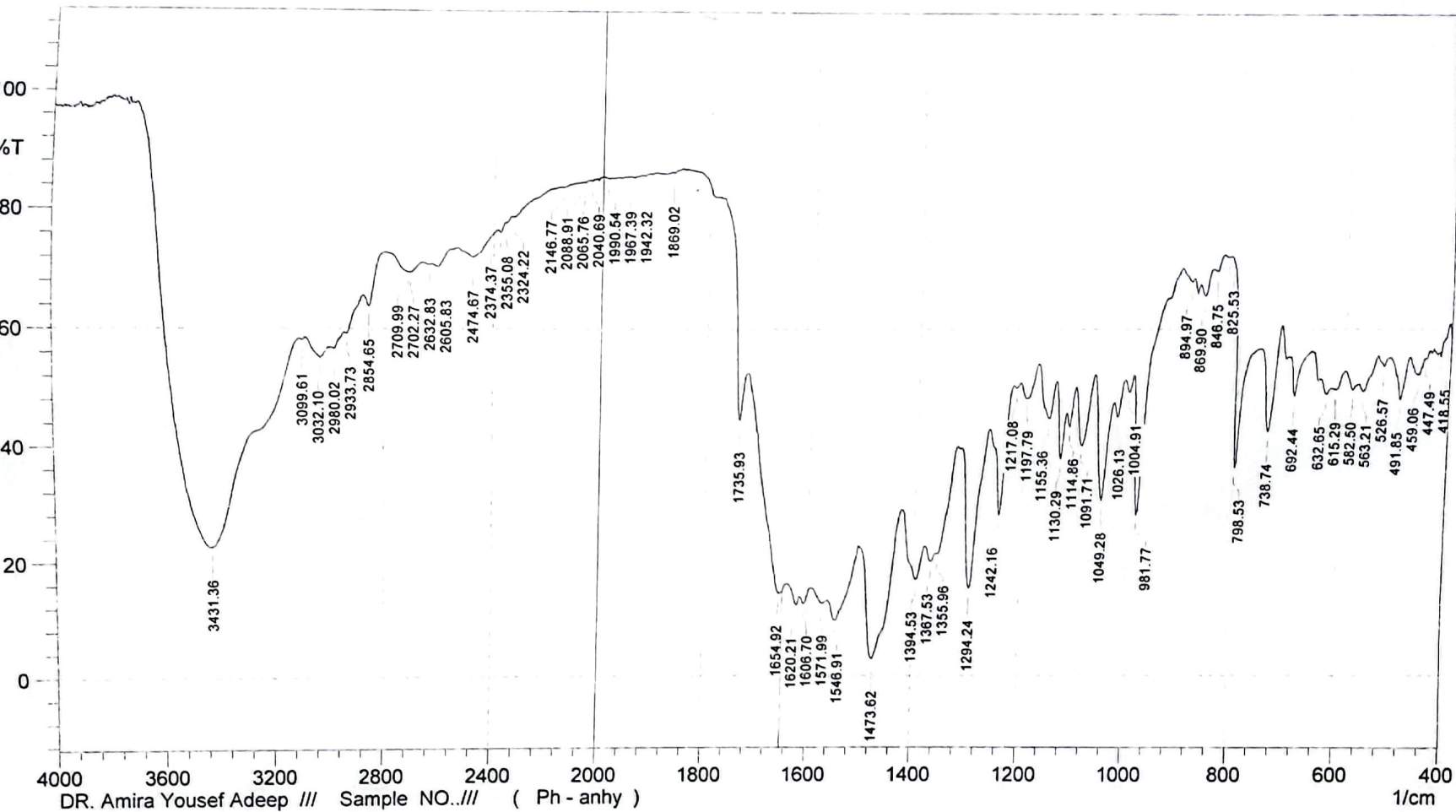
CHANNEL f1  
 SFO1 100.6379178 MHz  
 NUC1 13C  
 P1 10.00 usac  
 PLW1 45.00000000 W

CHANNEL f2  
 SFO2 400.1916008 MHz  
 NUC2 1H  
 CPDPRG[2] waltz16

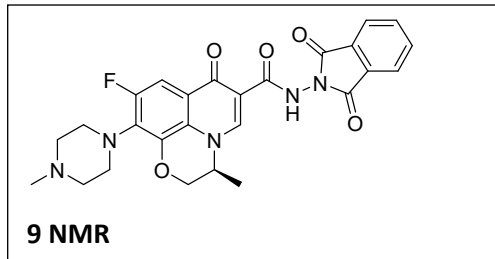
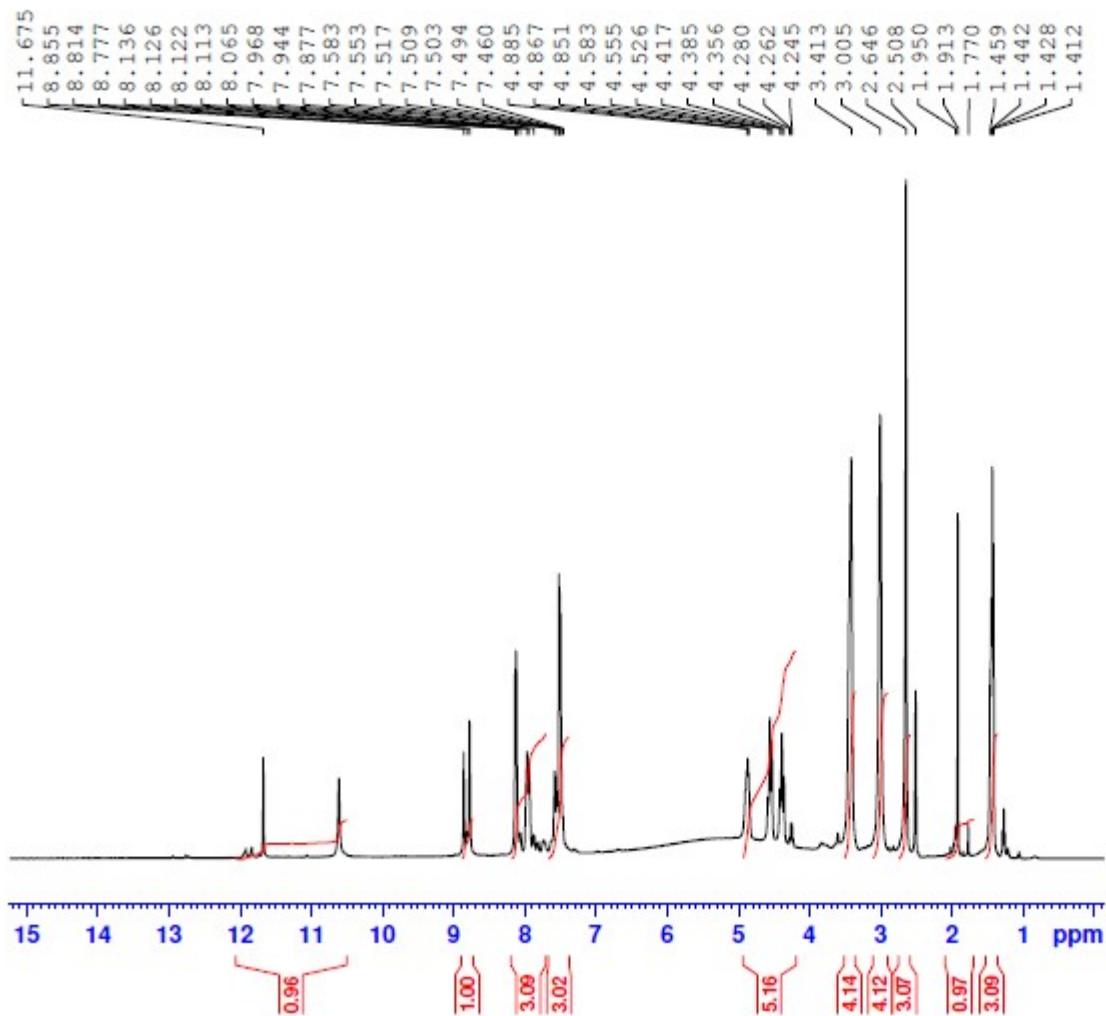




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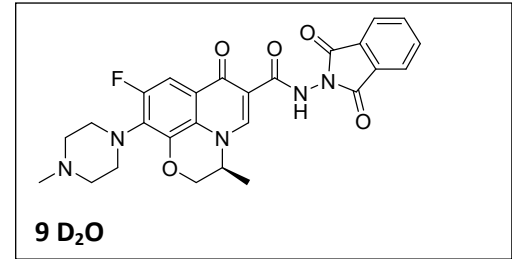
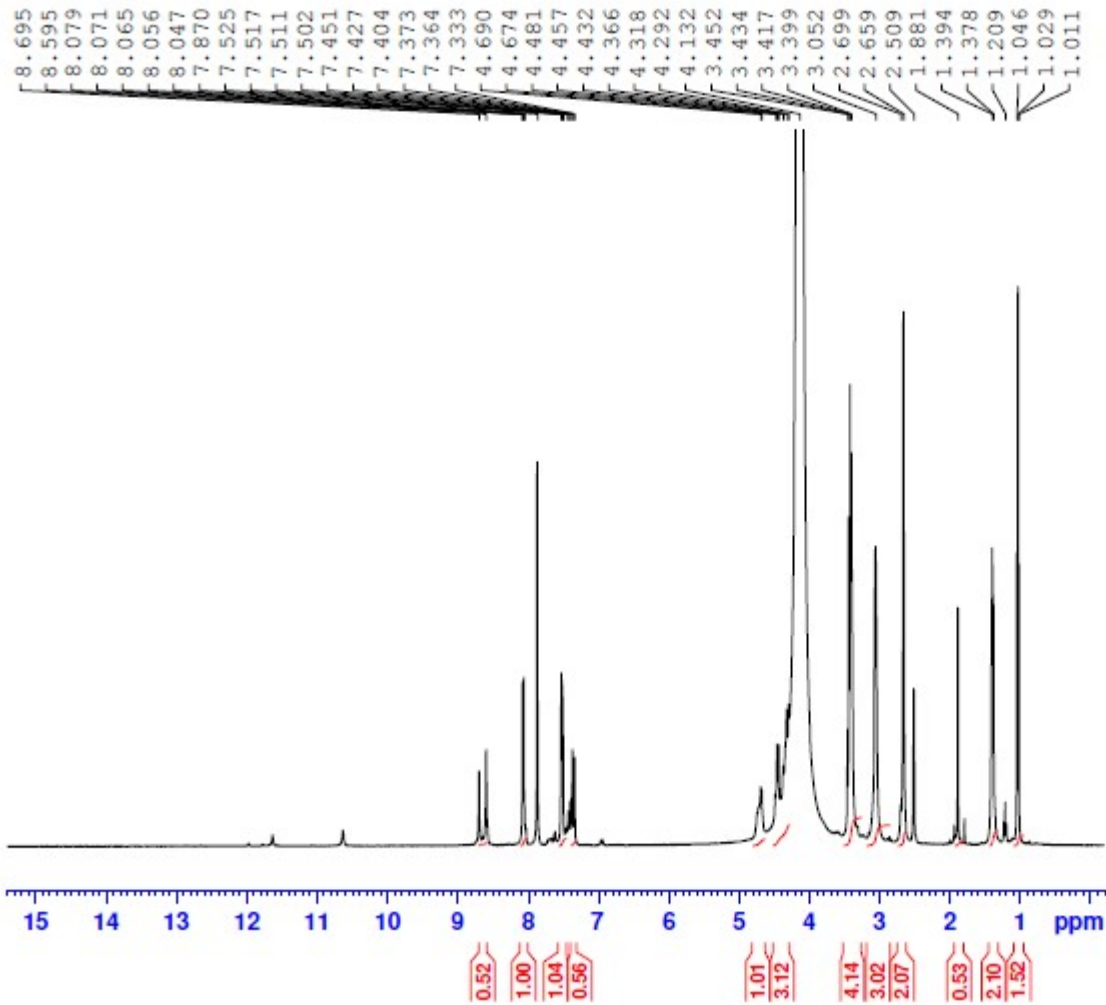


Current Data Parameters  
 NAME amira-youssef-Ph-anh  
 EXPNO 1  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20220426  
 Time 10.27  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB/  
 PULPROG zg30  
 ID 65536  
 SOLVENT DMSO  
 NS 52  
 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  
 TDO 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  
 CB 0  
 PC 1.00

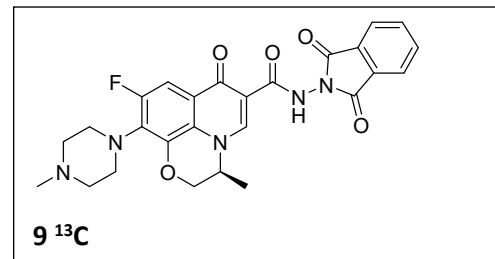
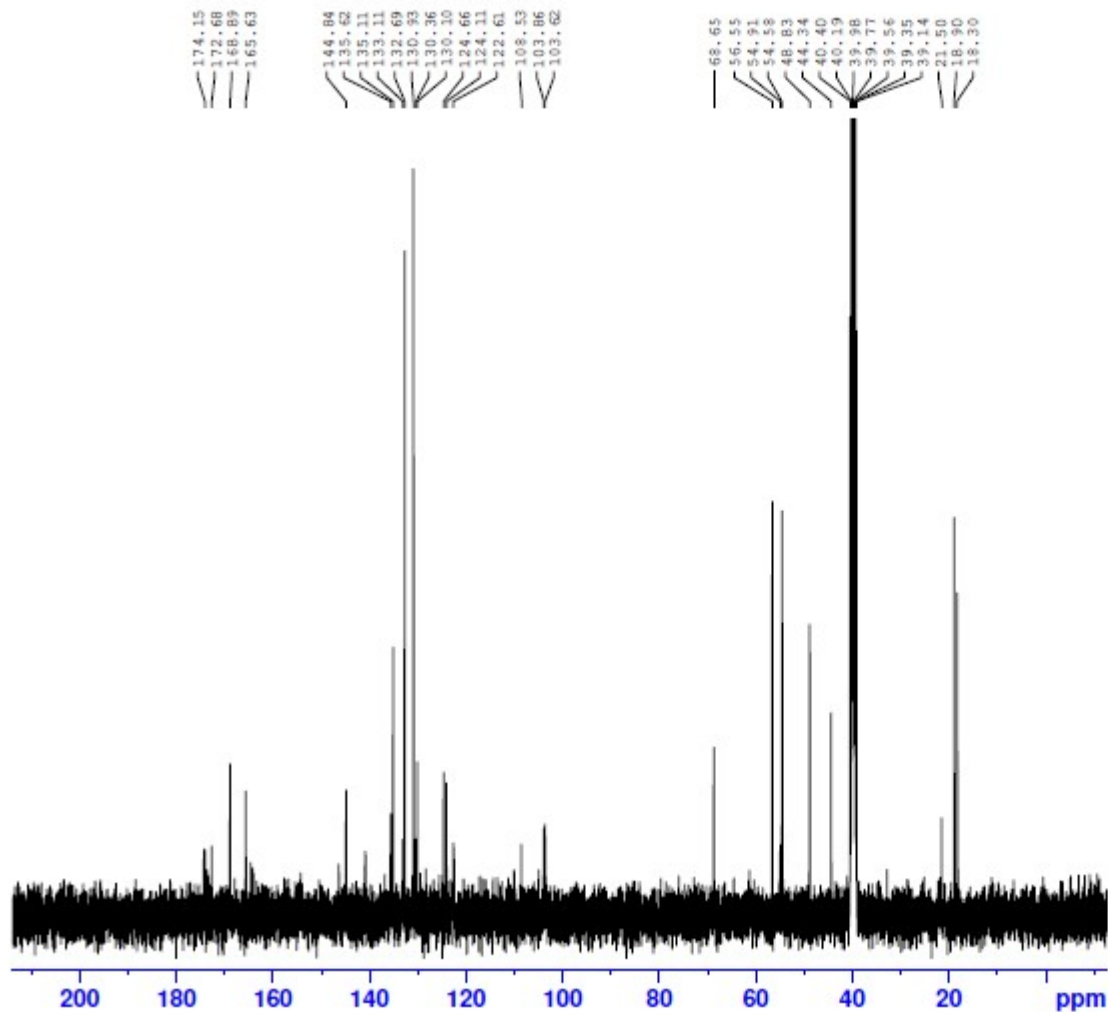


Current Data Parameters  
 NAME amira-youssef-Ph-anh-d2o  
 EXPNO 1  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20220606  
 Time 8.02  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB/  
 PULPROG zg30  
 TD 65536  
 SOLVENT DMSO  
 NS 41  
 DS 2  
 SWH 8012.820 Hz  
 FIDRES 0.122266 Hz  
 AQ 4.0894465 sec  
 RG 103.61  
 RW 62.400 usec  
 DE 6.50 usec  
 TE 300.0 K  
 D1 1.00000000 sec  
 TDO 1

----- CHANNEL f1 -----  
 SFO1 400.1524711 MHz  
 NUC1 1H  
 P1 12.00 usec  
 PL1 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



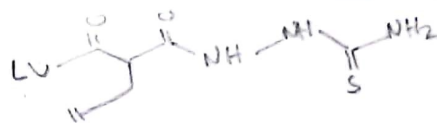
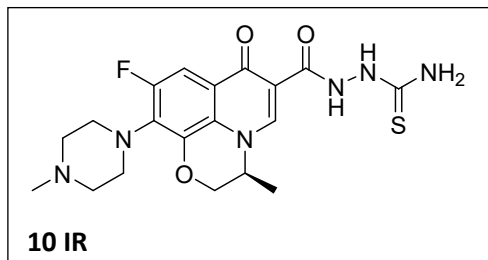
Current Data Parameters  
 NAME amira-youssef-Ph-anh  
 EXPNO 2  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20220531  
 Time 9.06  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB/  
 PULPROG zgpg30  
 TD 65536  
 SOLVENT DMSO  
 NS 1226  
 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 2.0000000 sec  
 D11 0.0300000 sec  
 TD0 1

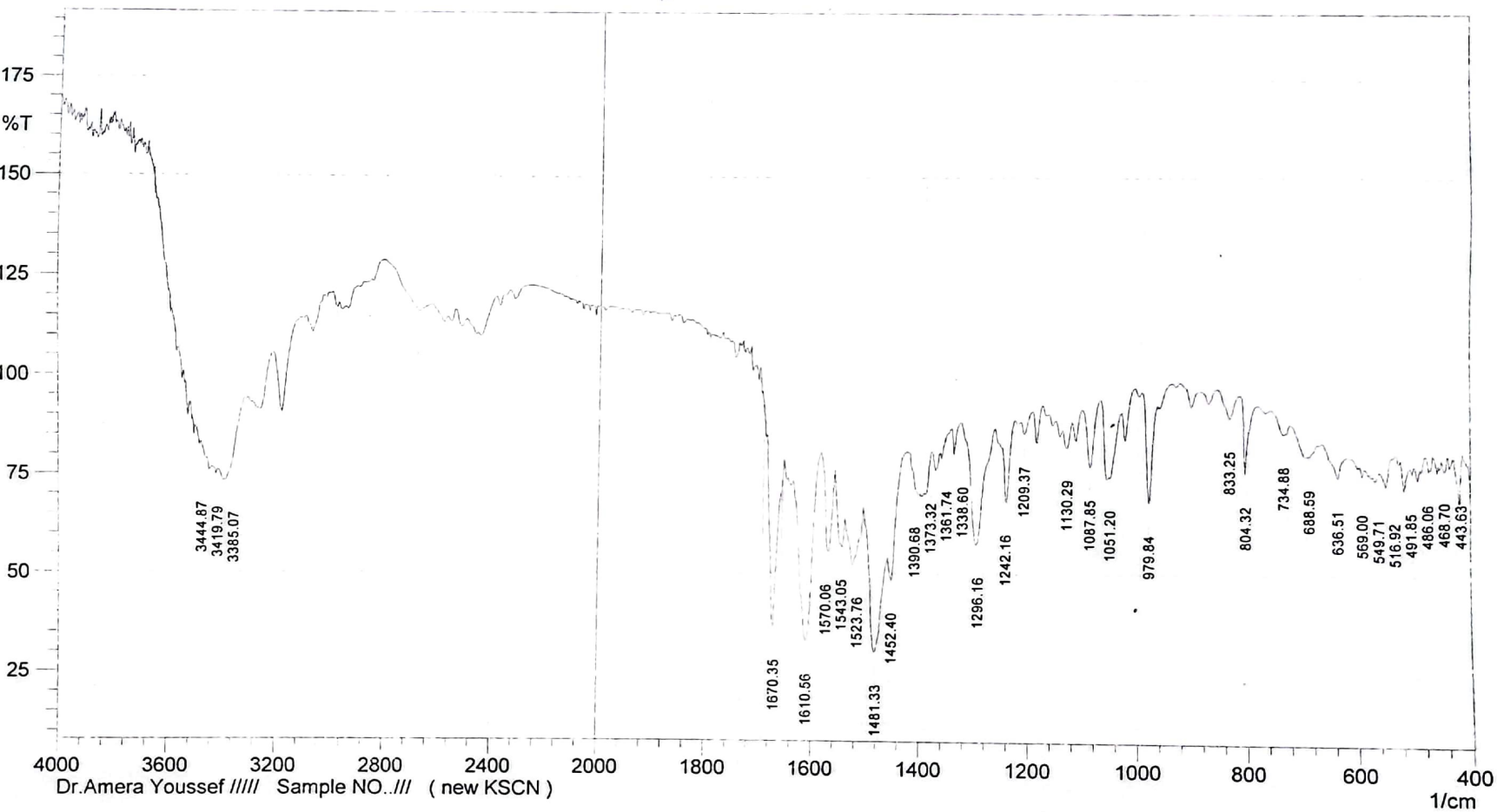
===== CHANNEL f1 =====  
 SFO1 100.6278588 MHz  
 NUC1 13C  
 P1 10.00 usec  
 PLW1 47.0000000 W

===== CHANNEL f2 =====  
 SFO2 400.1516006 MHz  
 NUC2 1H  
 CPDPRG[2] waltz16  
 PCPD2 90.00 usec  
 PLW2 18.0000000 W  
 PLW12 0.3472200 W  
 PLW13 0.2812500 W

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

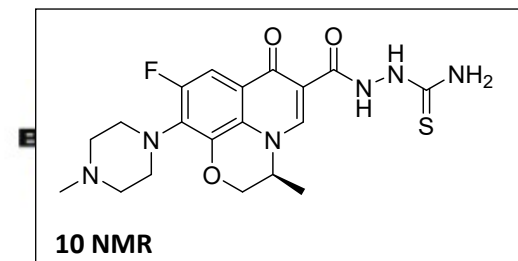


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Amira Youssef\_H\_new-KSCN

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 www.pharma.cu.edu.eg dir-mau.fopcu@pharma.cu.edu.eg



11.3979  
 11.2050  
 9.4001  
 8.8374  
 7.8920  
 7.5994  
 7.5688  
 4.9255  
 4.9087  
 4.6004  
 4.5739  
 4.3988  
 4.3749  
 3.6409  
 3.6118  
 3.5324  
 3.4491  
 3.4312  
 3.3641  
 3.1533  
 2.8078  
 2.5078  
 1.4435

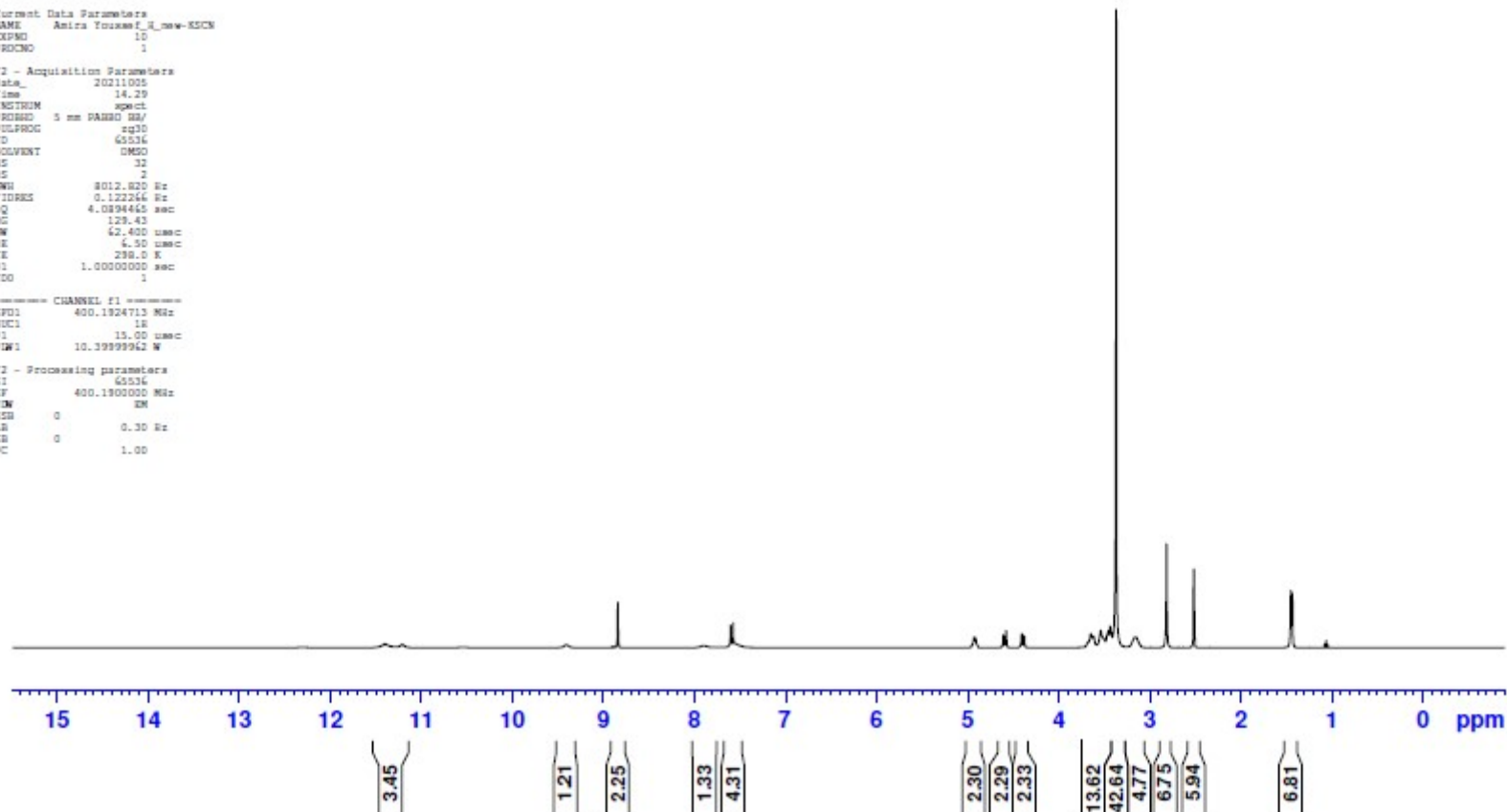
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Current Data Parameters
NAME      Amira Youssef_H_new-KSCN
EXPNO    10
PROCNO    1

F2 - Acquisition Parameters
Date_     20211005
Time      14.29
INSTRUM   spect
PROBHD    5 mm PABBO BB/
PULPROG   zg30
TD         65536
SOLVENT   DMSO
NS         32
DS         2
SWH        8012.820 Hz
FIDRES     0.122264 Hz
AQ         4.0894465 sec
RG         129.43
SQ         62.400 usec
DE         4.50 usec
TE         298.0 K
D1         1.0000000 sec
TDO        1

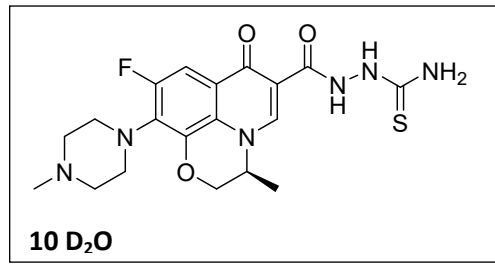
===== CHANNEL f1 =====
SF01      400.1924713 MHz
NUC1       1H
P1         15.00 usec
PL1        0.39999962 W

F2 - Processing parameters
SI         65536
SF         400.1900000 MHz
WDW        EM
SSB        0
LB         0.30 Hz
GB         0
PC         1.00
    
```



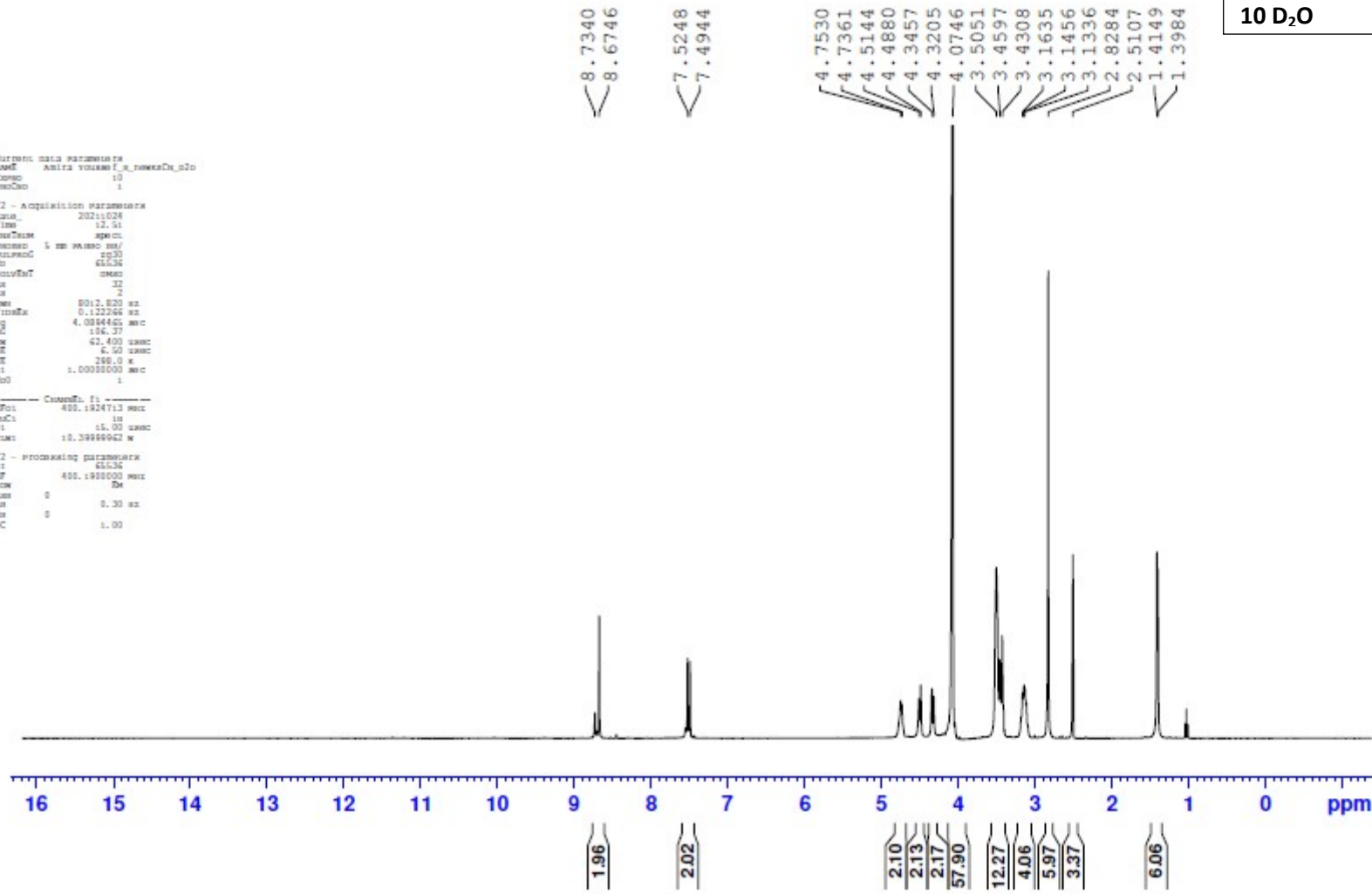
Amira Youssef\_H\_newKSCN\_D2O

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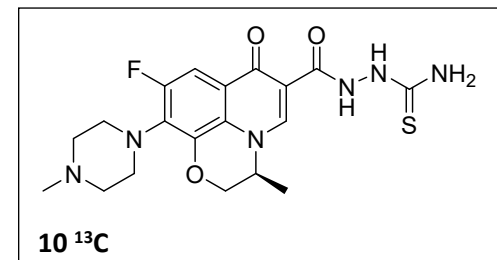
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Current data parameters
NAME Amira Youssef_H_newKSCN_D2O
EXPNO 10
PROCNO 1
F2 - Acquisition parameters
Date_ 20211024
Time 12.51
INSTRUM spect
PROBHD 1 mm WALTZ16
PULPROG zgpg30
TD 65536
SOLVENT dmsd
NS 32
DS 2
SWH 5013.820 Hz
FIDRES 0.122266 Hz
AQ 4.008460 sec
RG 126.37
OR 62.400 umax
OB 6.50 umax
TE 300.2 K
SI 1.00000000 sec
TO 1
===== Channel f1 =====
NUC1 400.1424713 MHz
NUC2 1H
P1 15.00 umax
PL1 10.39489962 dB
F2 - Processing parameters
SI 400.1424713 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00
    
```



Amira Youssef\_C\_newKSCN

Microanalytical Unit - FOPCU - NMR laboratory  
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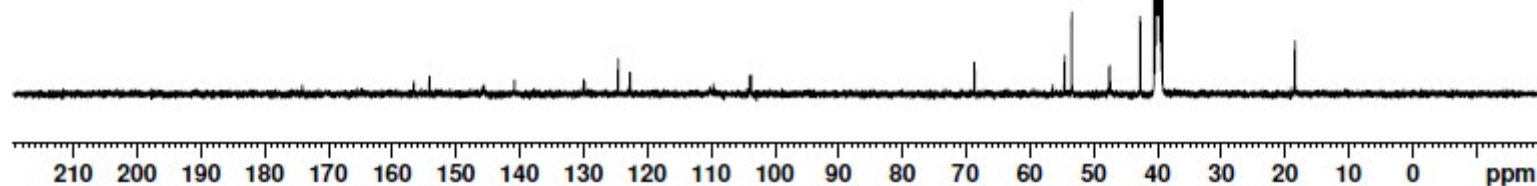


Current Data Parameters  
NAME Amira Youssef\_C\_newKSCN  
EXPNO 10  
PROCNO 1

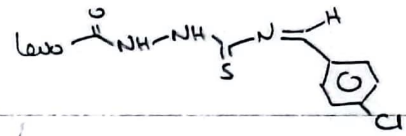
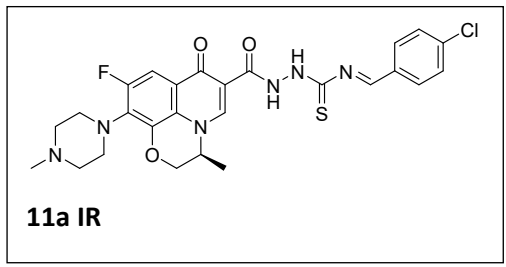
F2 - Acquisition Parameters  
Date\_ 20211022  
Time 17.12  
INSTRUM spect  
PROBHD 5 mm PABBO HS/  
PULPROG zgpg30  
TD 65536  
SOLVENT DMSO  
NS 1500  
DS 4  
SWH 24038.461 Hz  
FIDRES 0.366798 Hz  
AQ 1.3631488 sec  
RG 202.37  
DW 20.800 usec  
DE 6.50 usec  
TE 298.0 K  
D1 2.00000000 sec  
D11 0.03000000 sec  
TDO 1

----- CHANNEL f1 -----  
SFO1 100.6379178 MHz  
NUC1 13C  
P1 10.00 usec  
PIW1 45.00000000 W

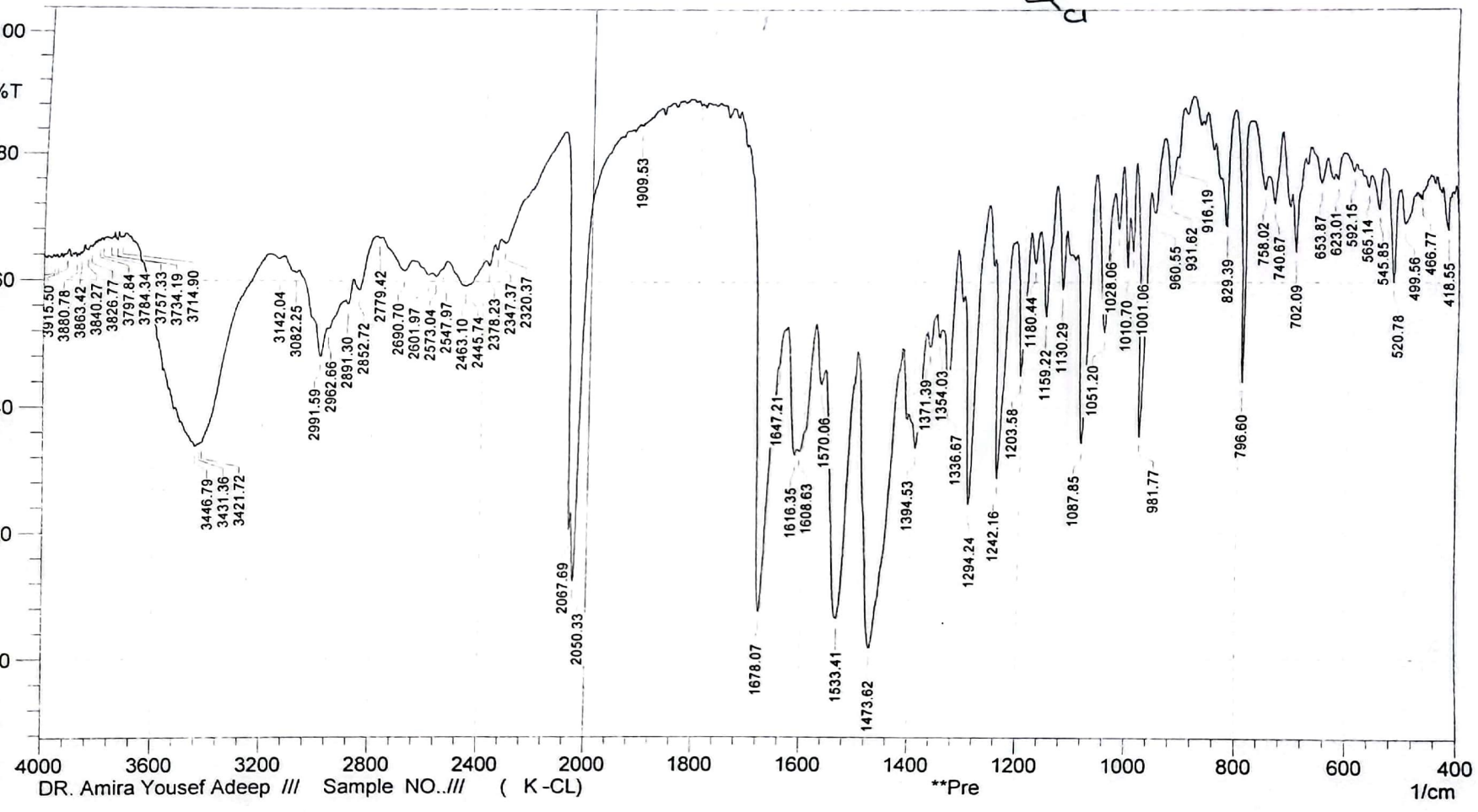
----- CHANNEL f2 -----  
SFO2 400.1916008 MHz  
NUC2 1H  
CPDPRG[2] waltz16

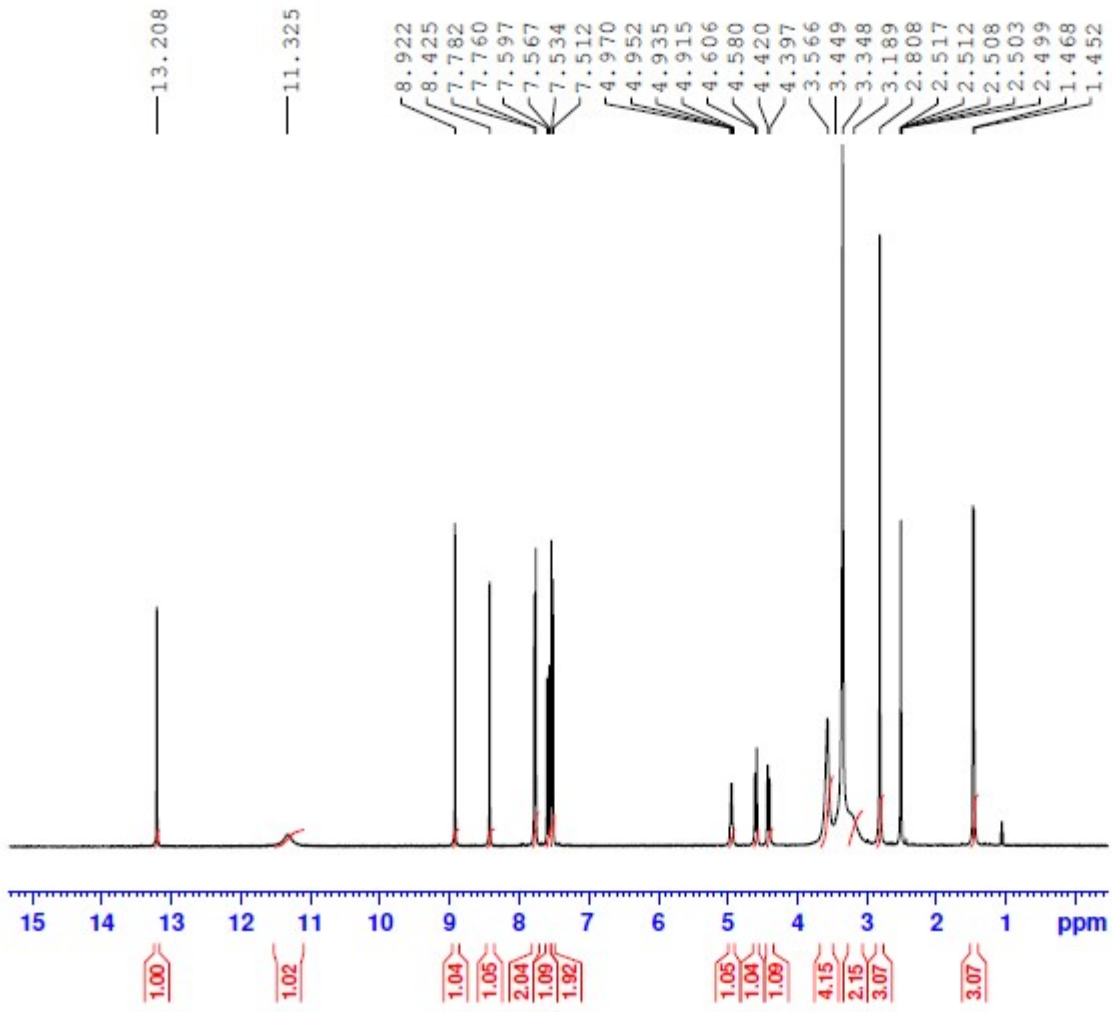
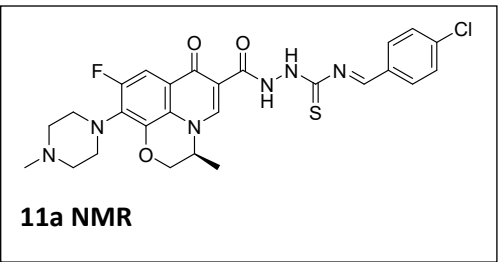






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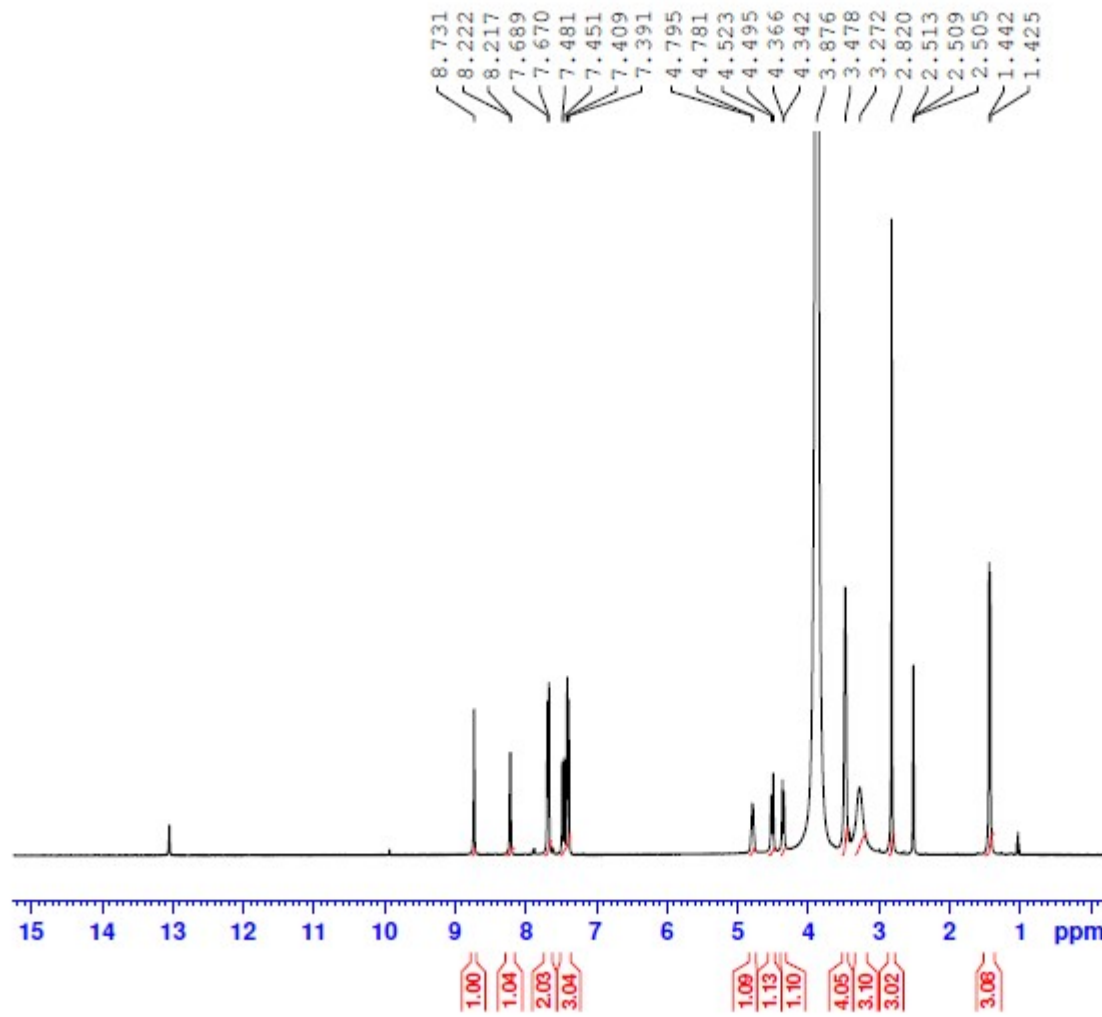
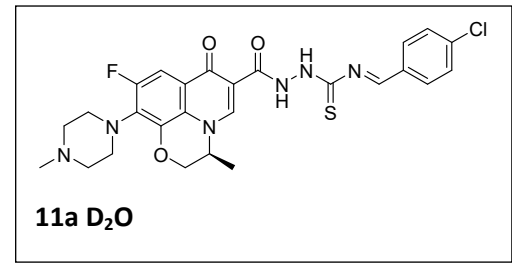
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Current Data Parameters
NAME      amira-youssef-KCl
EXPNO     1
PROCNO    1

F2 - Acquisition Parameters
Date_     20220426
Time      10.21
INSTRUM   spect
PROBHD    5 mm PABBO BB/
PULPROG   zg30
TD         65536
SOLVENT   DMSO
NS         20
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
PIW1       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
  
```



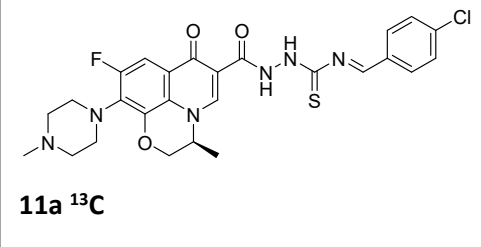
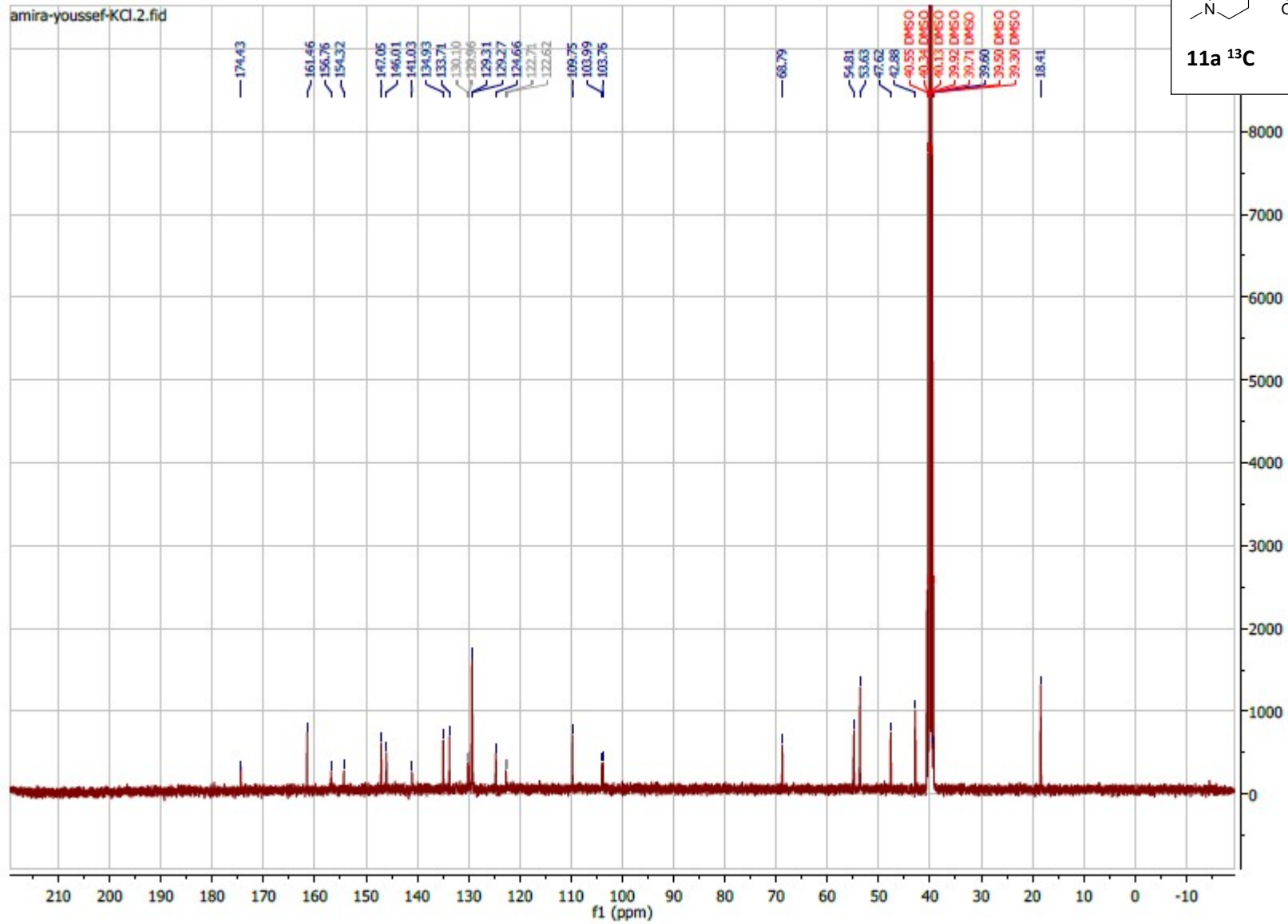
Current Data Parameters  
 NAME anira-youssef-KC1-d2o  
 EXPNO 1  
 PROCNO 1

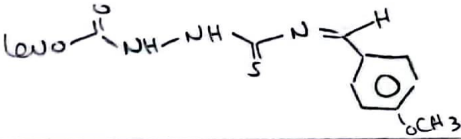
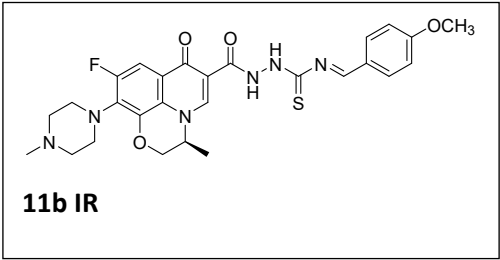
F2 - Acquisition Parameters  
 Date\_ 20220606  
 Time 7.56  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB/  
 PULPROG zg30  
 ID 65536  
 SOLVENT DMSO  
 NS 29  
 DS 2  
 SWH 8012.820 Hz  
 FIDRES 0.122266 Hz  
 AQ 4.0894465 sec  
 RG 164.32  
 DW 62.400 usec  
 DE 6.50 usec  
 TE 300.0 K  
 D1 1.00000000 sec  
 TDO 1

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

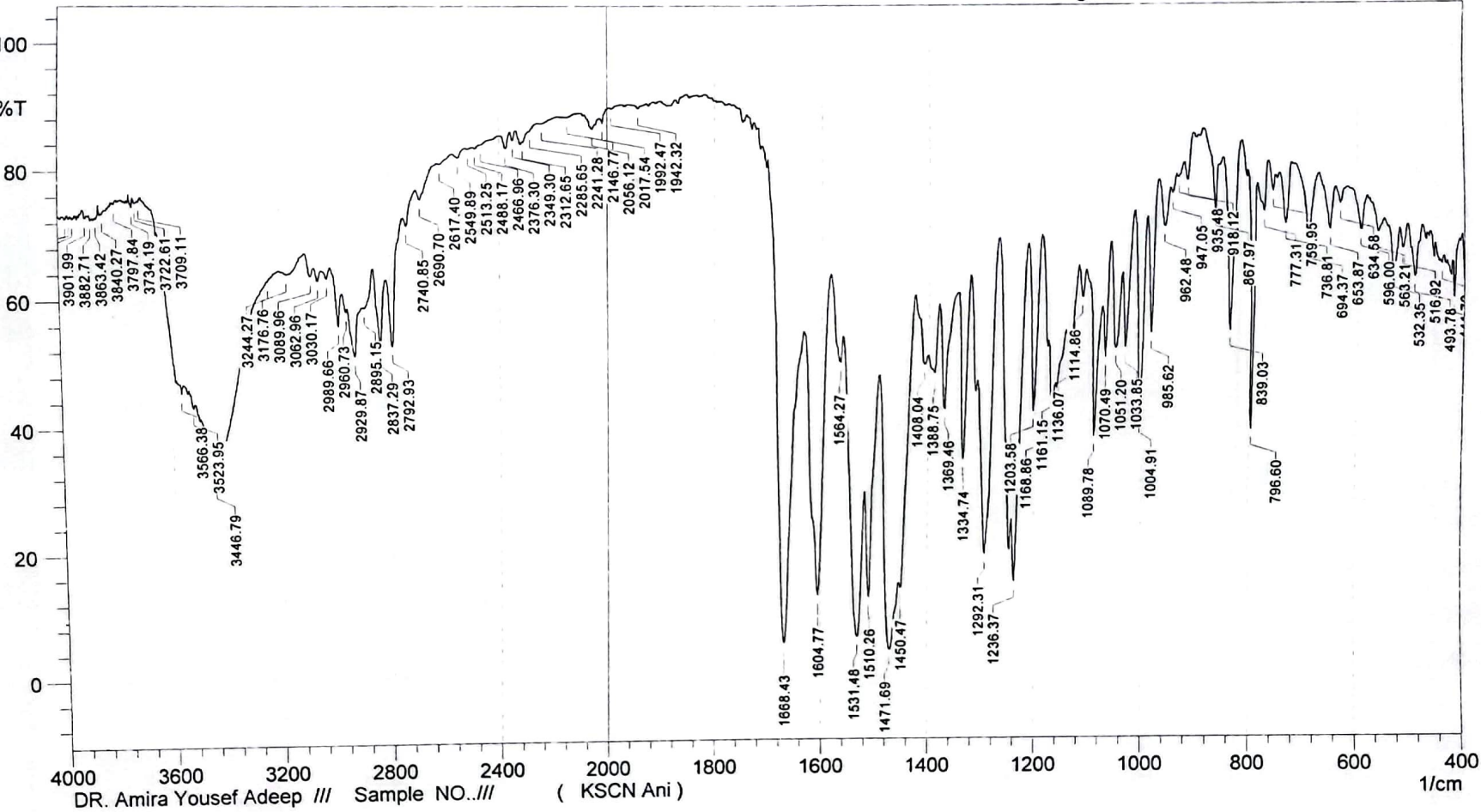
F2 - Processing parameters  
 SI 65536  
 SF 400.1500000 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

amira-youssef-KCl.2.fid



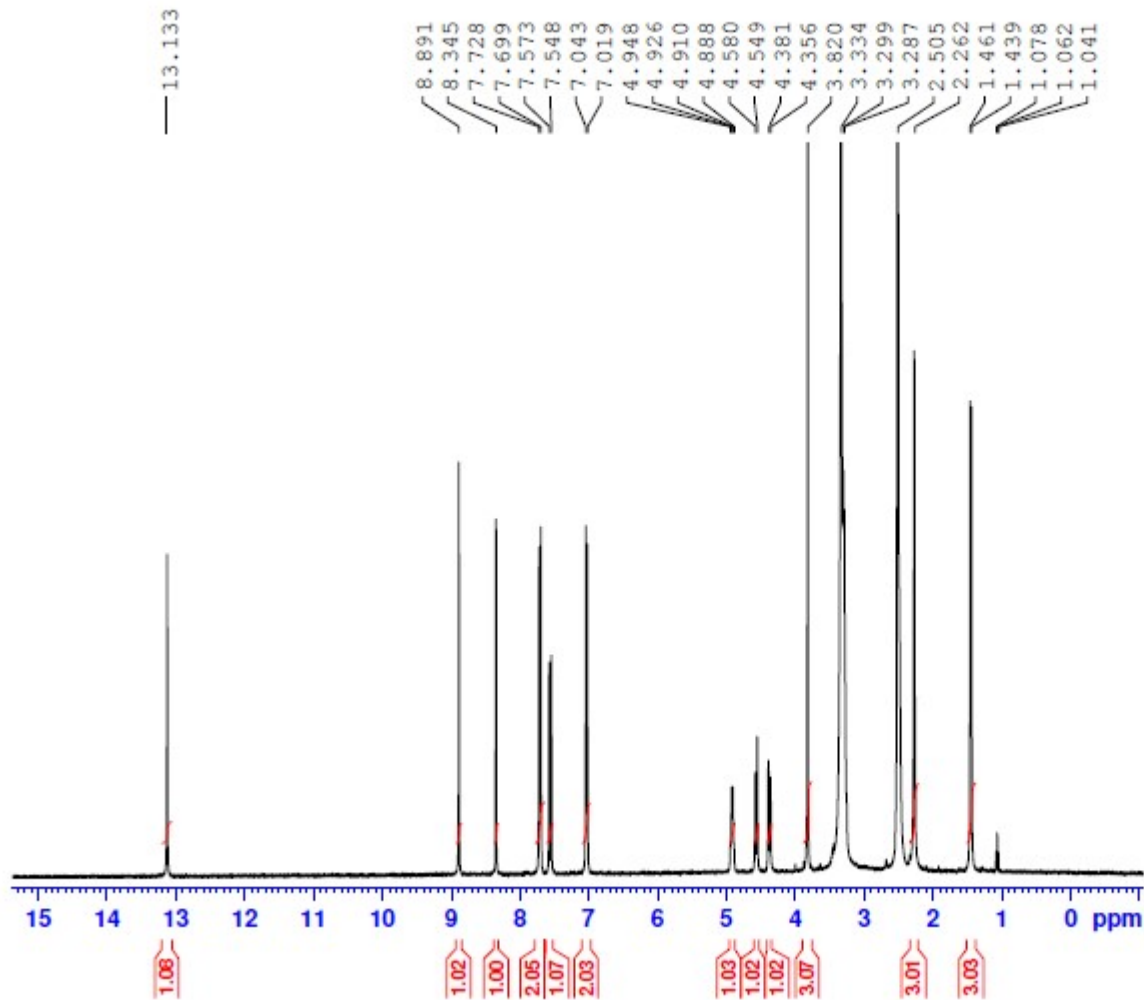


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Comment:

Date/Time; 3/14/2022 12:40:49 PM

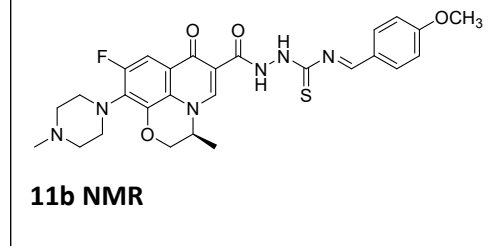


Current Data Parameters  
 NAME abdelrahman-ziada-K-Ani  
 EXPNO 1  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20220228  
 Time 14.29  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB/  
 PULPROG zg30  
 TD 65536  
 SOLVENT DMSO  
 NS 60  
 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  
 TDO 1

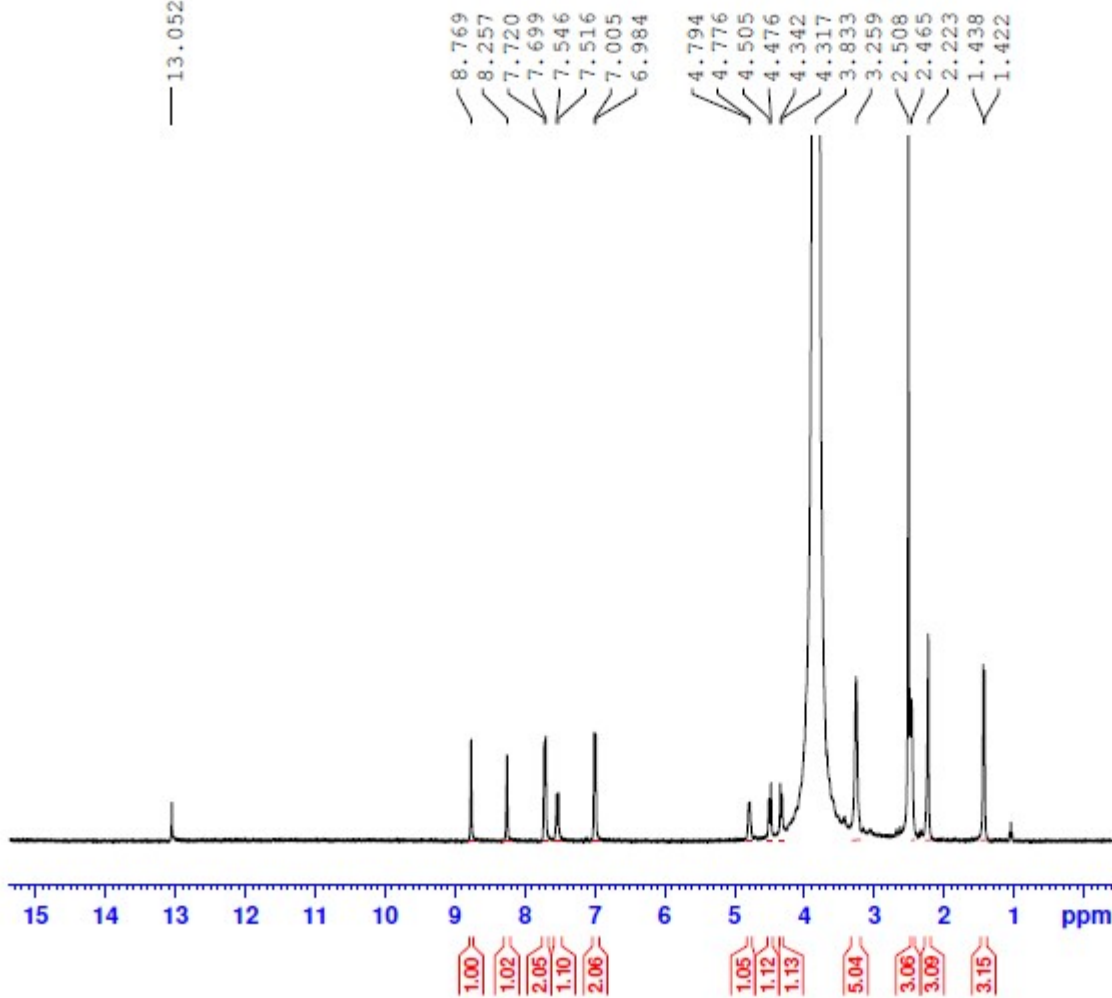
----- CHANNEL f1 -----  
 SFO1 400.1524711 MHz  
 NUC1 1H  
 P1 12.00 usec  
 PLW1 18.00000000 W

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





—13.052

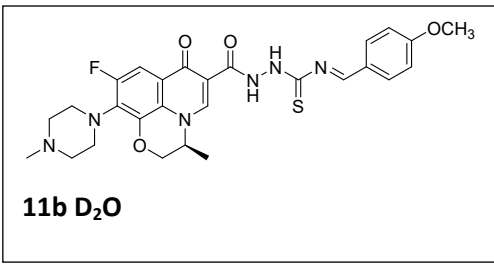


Current Data Parameters  
NAME amira-youssef-K-Ani-d2o  
EXPNO 1  
PROCNO 1

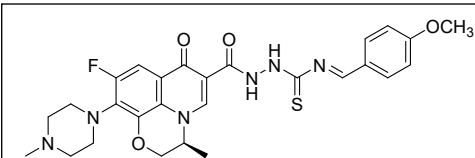
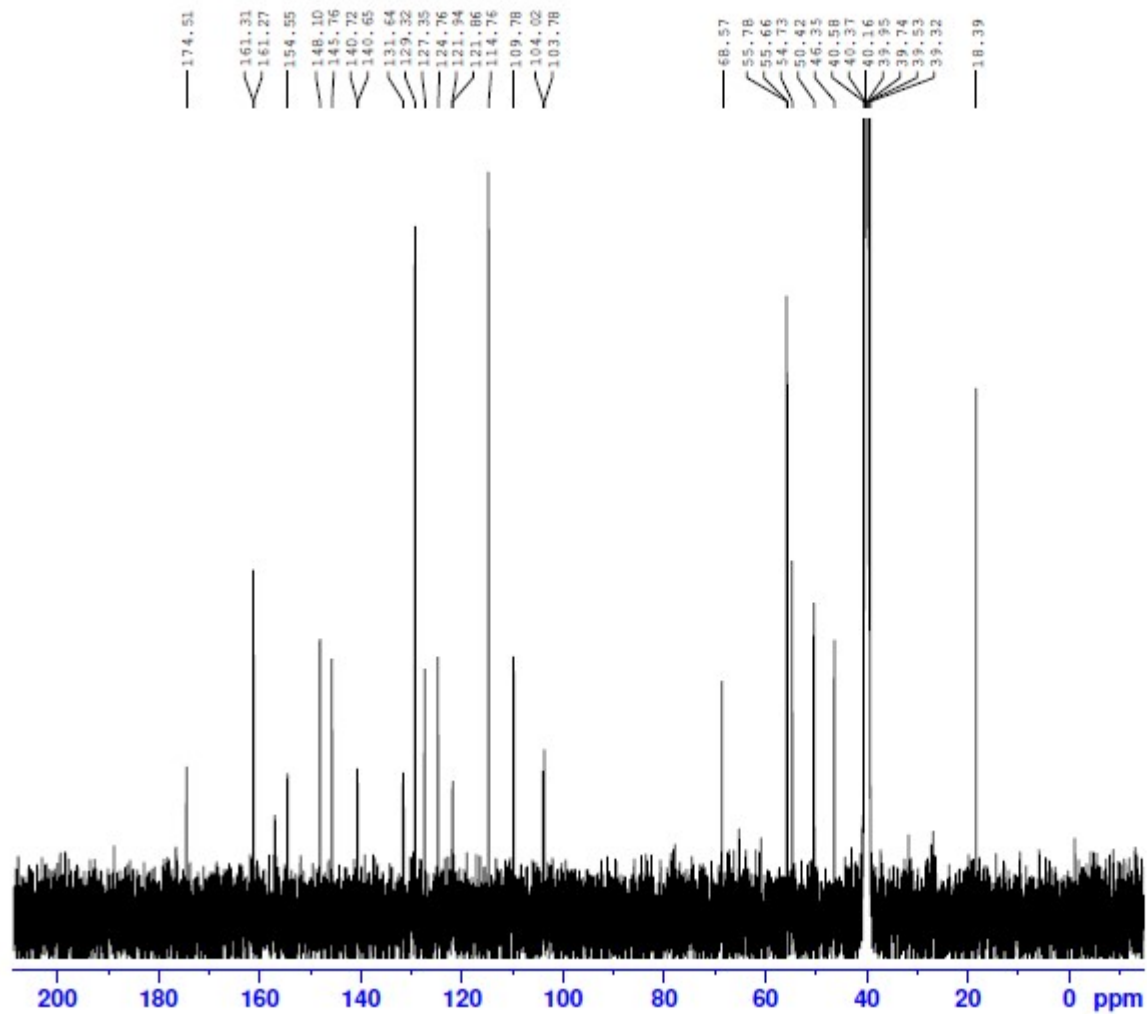
F2 - Acquisition Parameters  
Date\_ 20220324  
Time 9.08  
INSTRUM spect  
PROBHD 5 mm PABBO BB/  
PULPROG zg30  
ID 65536  
SOLVENT DMSO  
NS 68  
DS 2  
SWH 8012.820 Hz  
FIDRES 0.122266 Hz  
AQ 4.0894465 sec  
RG 126.31  
DW 62.400 usec  
DE 6.50 usec  
TE 300.0 K  
D1 1.00000000 sec  
TDO 1

----- 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







11b <sup>13</sup>C

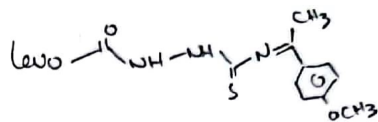
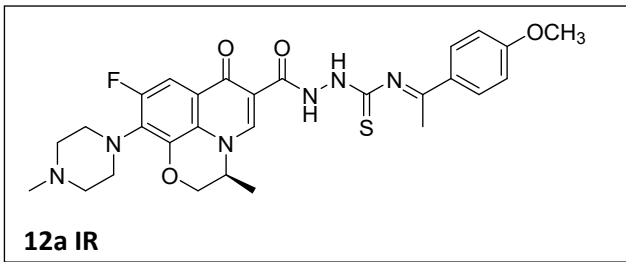
Current Data Parameters  
 NAME amira-youssef-kiani  
 EXPNO 2  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20220801  
 Time 7.54  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB/  
 PULPROG zgpg30  
 TD 65536  
 SOLVENT DMSO  
 NS 14823  
 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

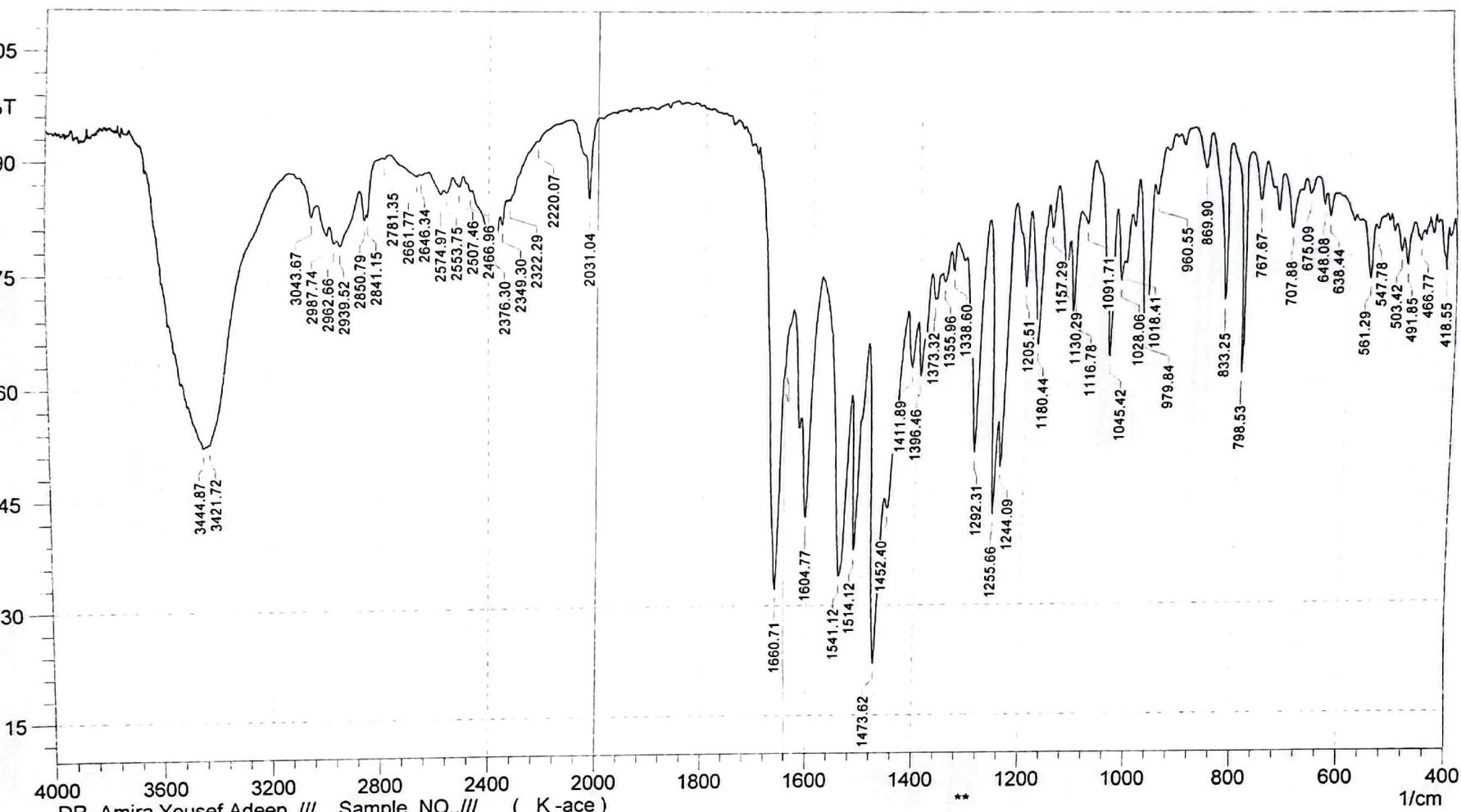
==== CHANNEL f1 =====  
 SFO1 100.6278588 MHz  
 NUC1 13C  
 P1 10.00 usec  
 PLW1 47.00000000 W

==== 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

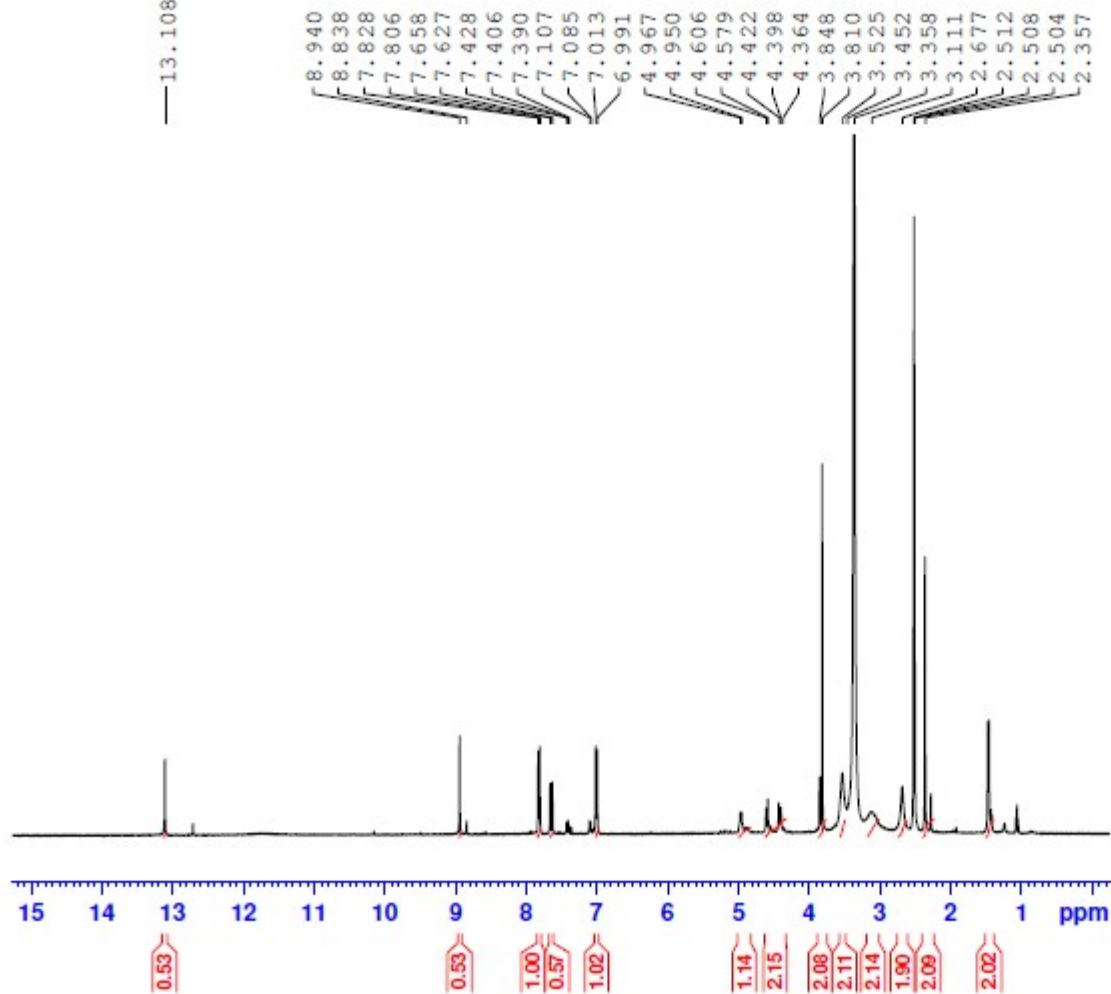
F2 - Processing parameters  
 SI 32768  
 SF 100.6177975 MHz  
 WDW EM  
 SSB 0  
 LB 1.00 Hz  
 GB 0  
 PC 1.40



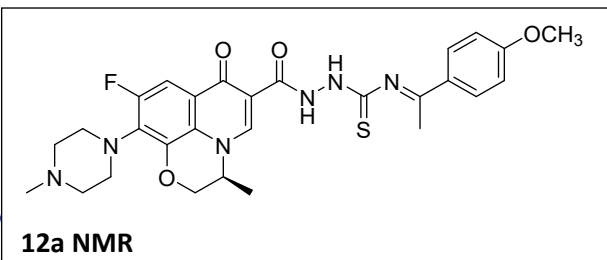
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—13.108



12a NMR

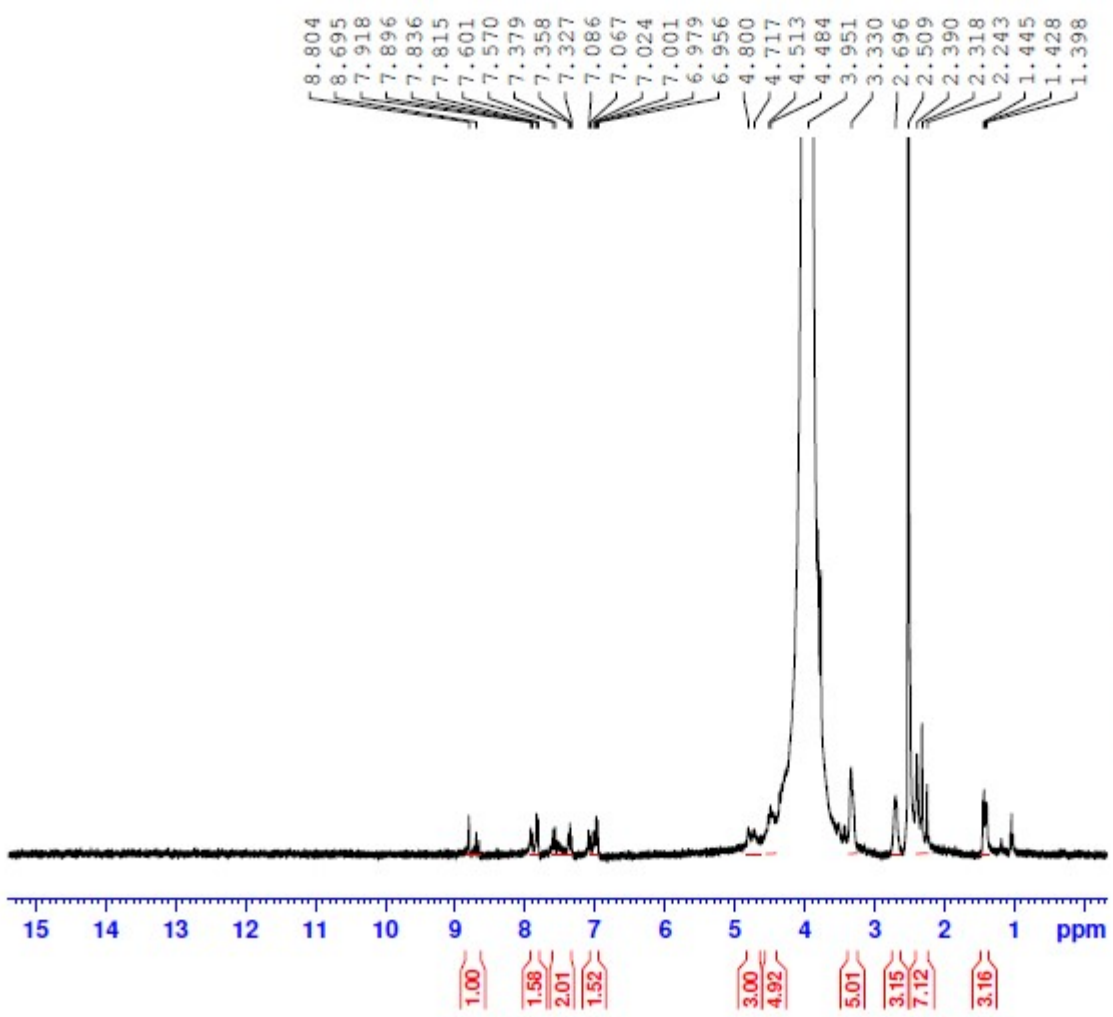
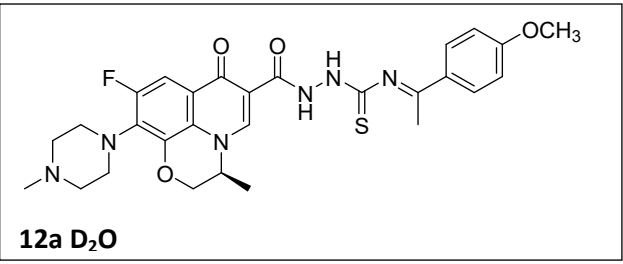


Current Data Parameters  
NAME amira-youssef-K-acc  
EXPNO 1  
PROCNO 1

F2 - Acquisition Parameters  
Data\_ 20220426  
Time 10.49  
INSTRUM spect  
PROBHD 5 mm PABBO BB/  
PULPROG zg30  
ID 65536  
SOLVENT DMSO  
NS 102  
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 1.0000000 sec  
TD0 1

==== CHANNEL f1 =====  
SFO1 400.1524711 MHz  
NUC1 1H  
P1 12.00 usec  
PIW1 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

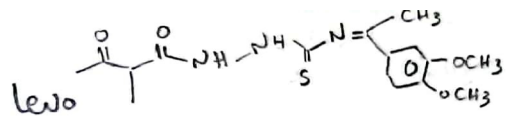
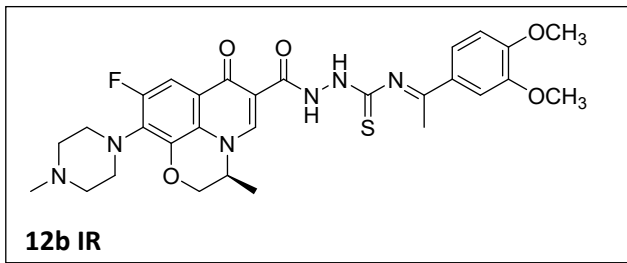


Current Data Parameters  
 NAME amira-youssef-K-acn-d2o  
 EXPNO 1  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20220606  
 Time 7.48  
 INSTRUM spect  
 PROSHD 5 mm VASBO BB/  
 PULPROG zg30  
 TD 65536  
 SOLVENT DMSO  
 NS 52  
 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  
 TDO 1

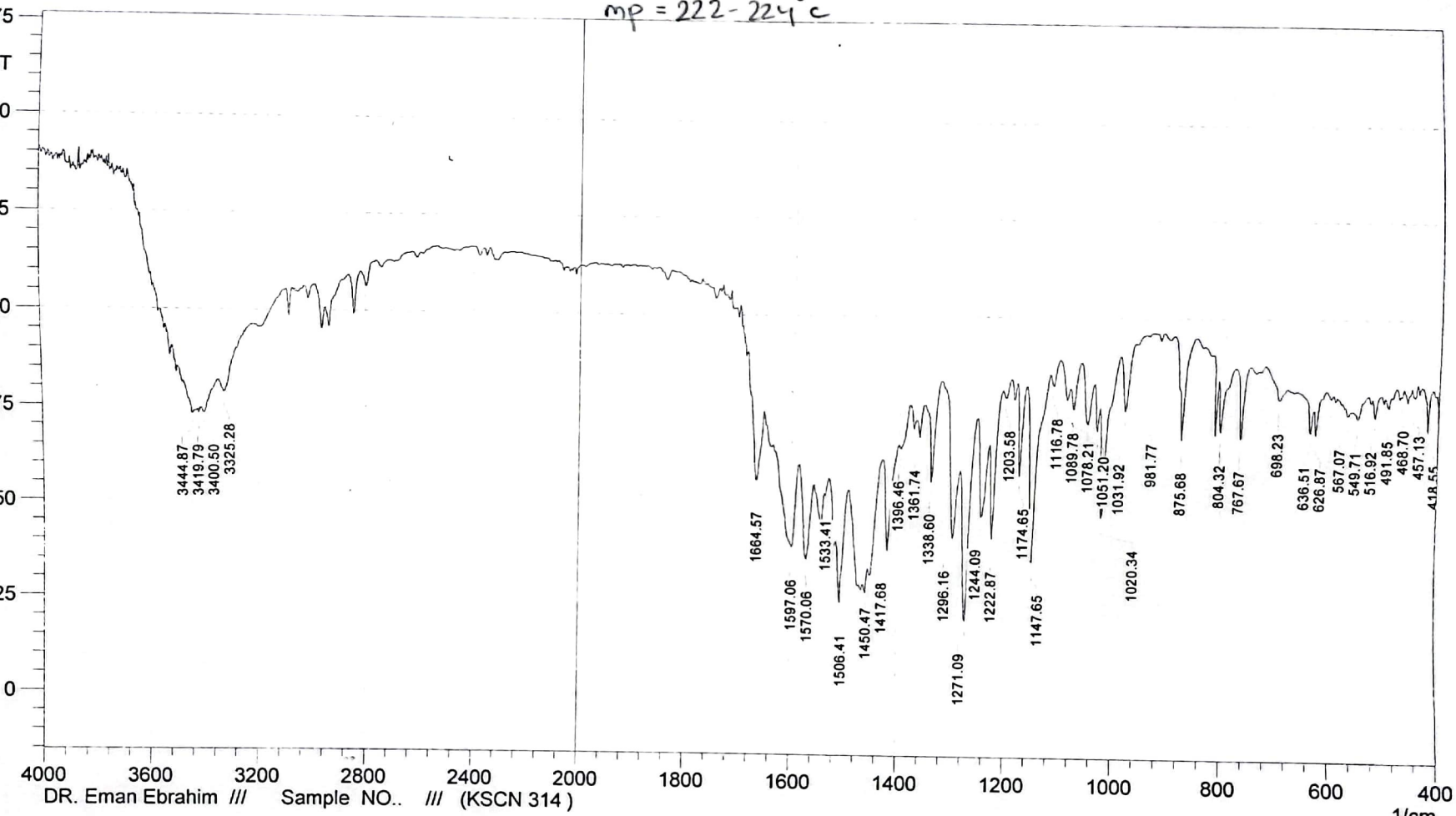
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 SF01 400.1524711 MHz  
 NUC1 1H  
 P1 12.00 usec  
 PLW1 18.00000000 W

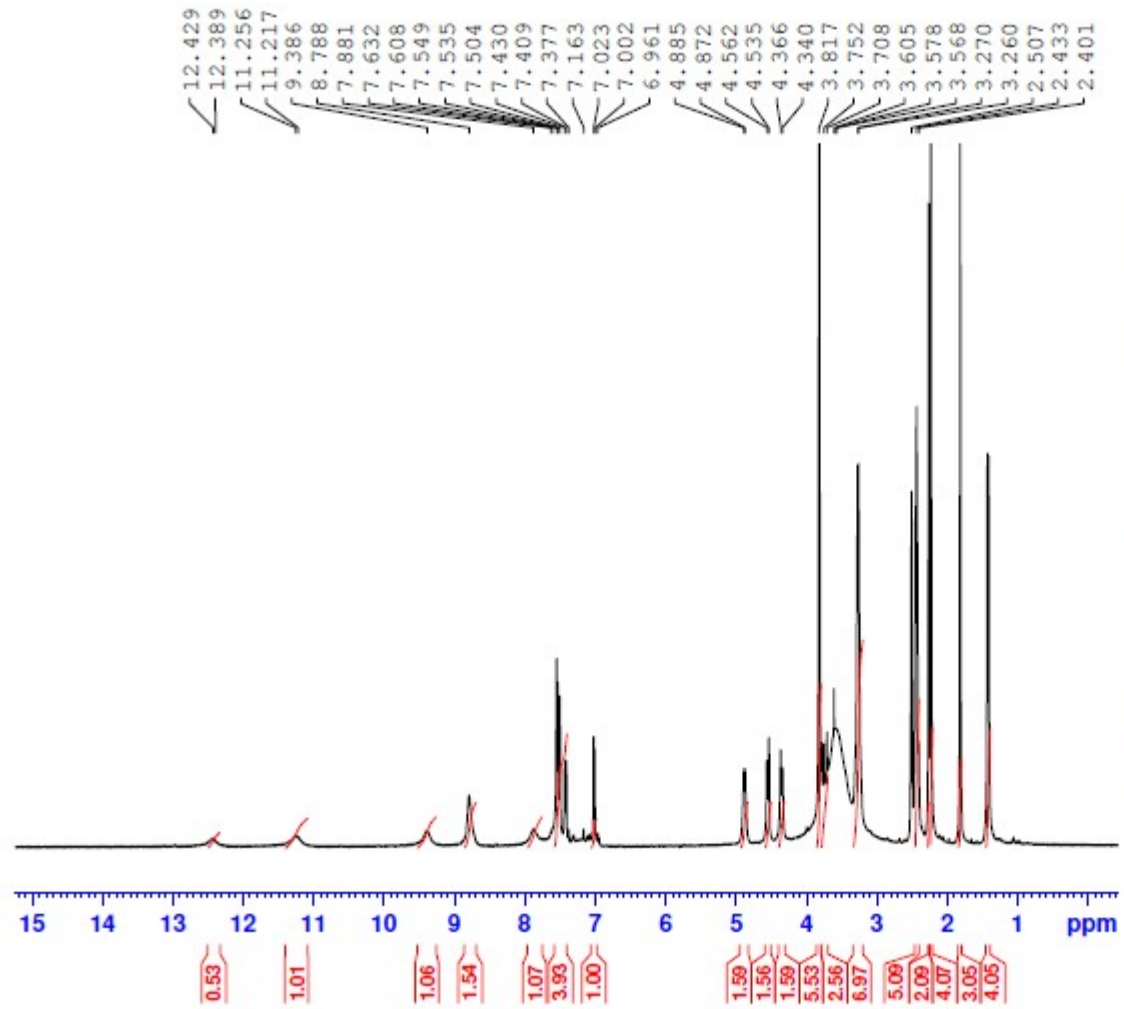
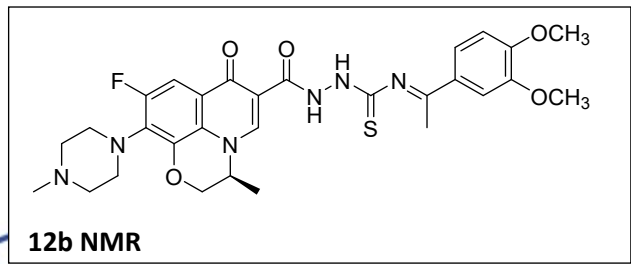
F2 - Processing parameters  
 SI 65536  
 SF 400.1500000 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00



mp = 222-224 °C

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```

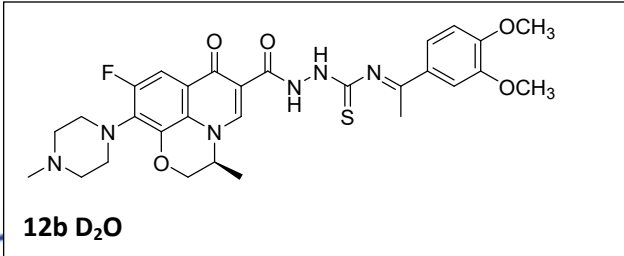
Current Data Parameters
NAME      amira-youssef-KSCN
EXPNO     1
PROCNO    1

F2 - Acquisition Parameters
Date_     20211125
Time      14.46
INSTRUM   spect
PROBHD    5 mm PABBO BB/
PULPROG   zg30
TD         65536
SOLVENT   DMSO
NS         40
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
  
```





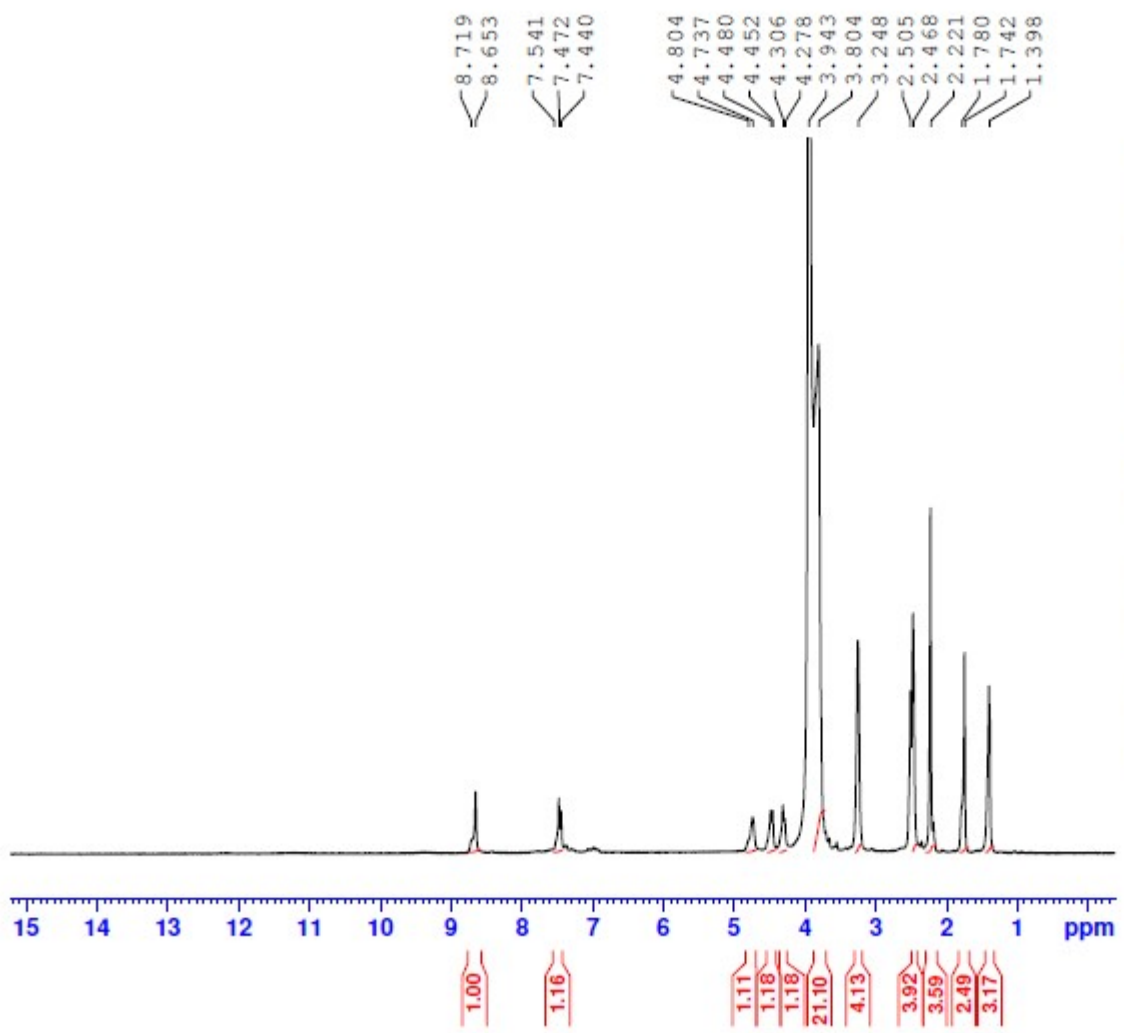
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Current Data Parameters
NAME      amira-youssef-KSCN-d2o
EXPNO     1
PROCNO    1

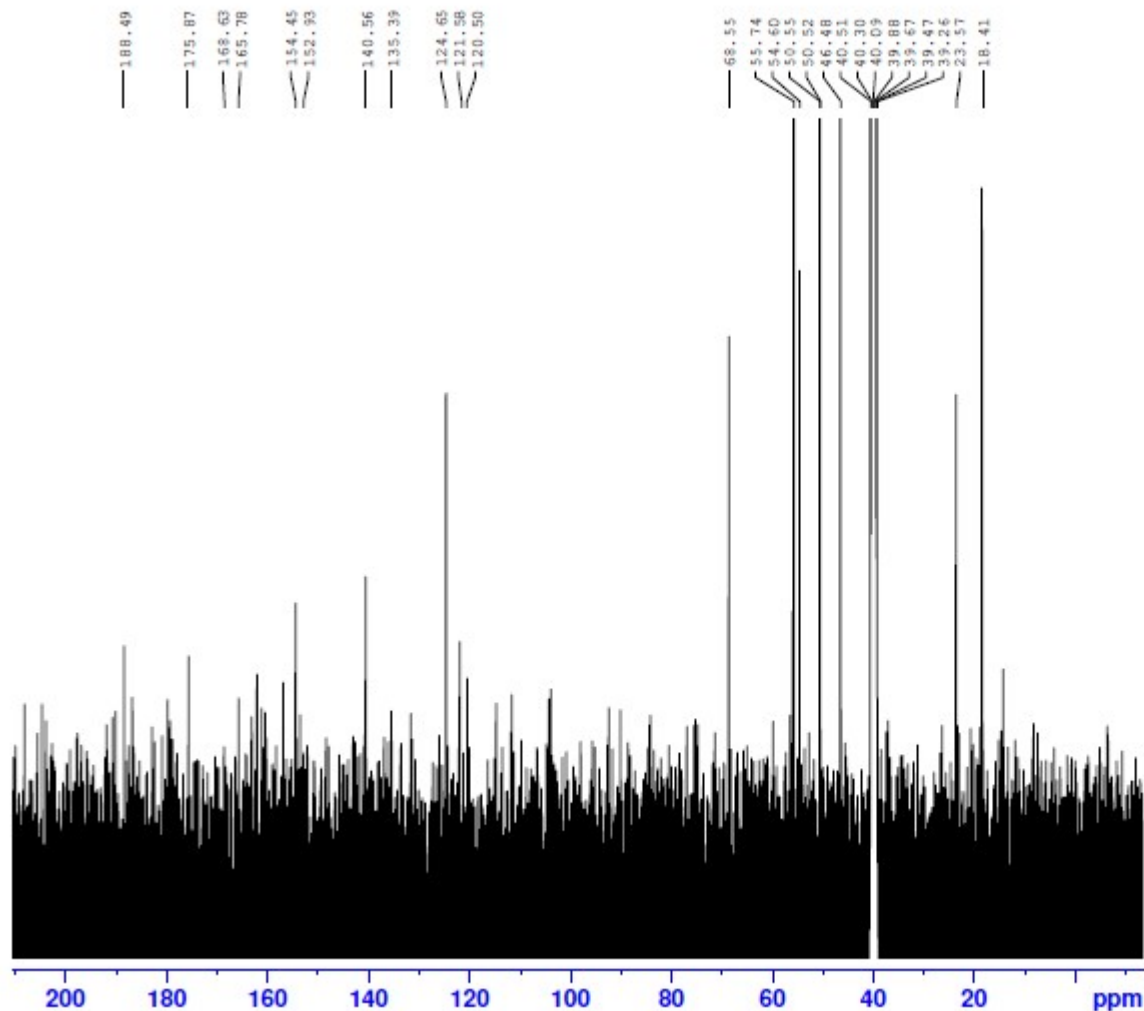
F2 - Acquisition Parameters
Date_     20211212
Time      16.02
INSTRUM   spect
PROBHD    5 mm PABBO BB/
PULPROG   zg30
ID        65536
SOLVENT   DMSO
NS         58
DS         2
SWH        8012.820 Hz
FIDRES     0.122266 Hz
AQ         4.0894465 sec
RG         31.47
EW         62.400 usec
DE         6.50 usec
TE         300.0 K
D1         1.00000000 sec
TDO        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
  
```







12b <sup>13</sup>C



```

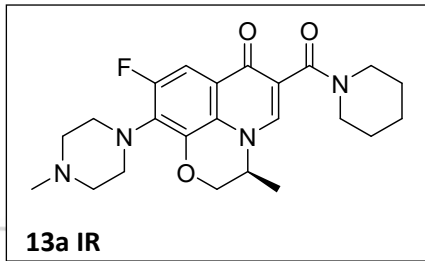
Current Data Parameters
NAME      amira-youssef-KSCN
EXPNO     2
PROCNO    1

F2 - Acquisition Parameters
Date_     20211212
Time      15.52
INSTRUM   spect
PROBHD    5 mm PABBO BB/
PULPROG   zgpg30
ID         65536
SOLVENT   DMSO
NS         2000
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

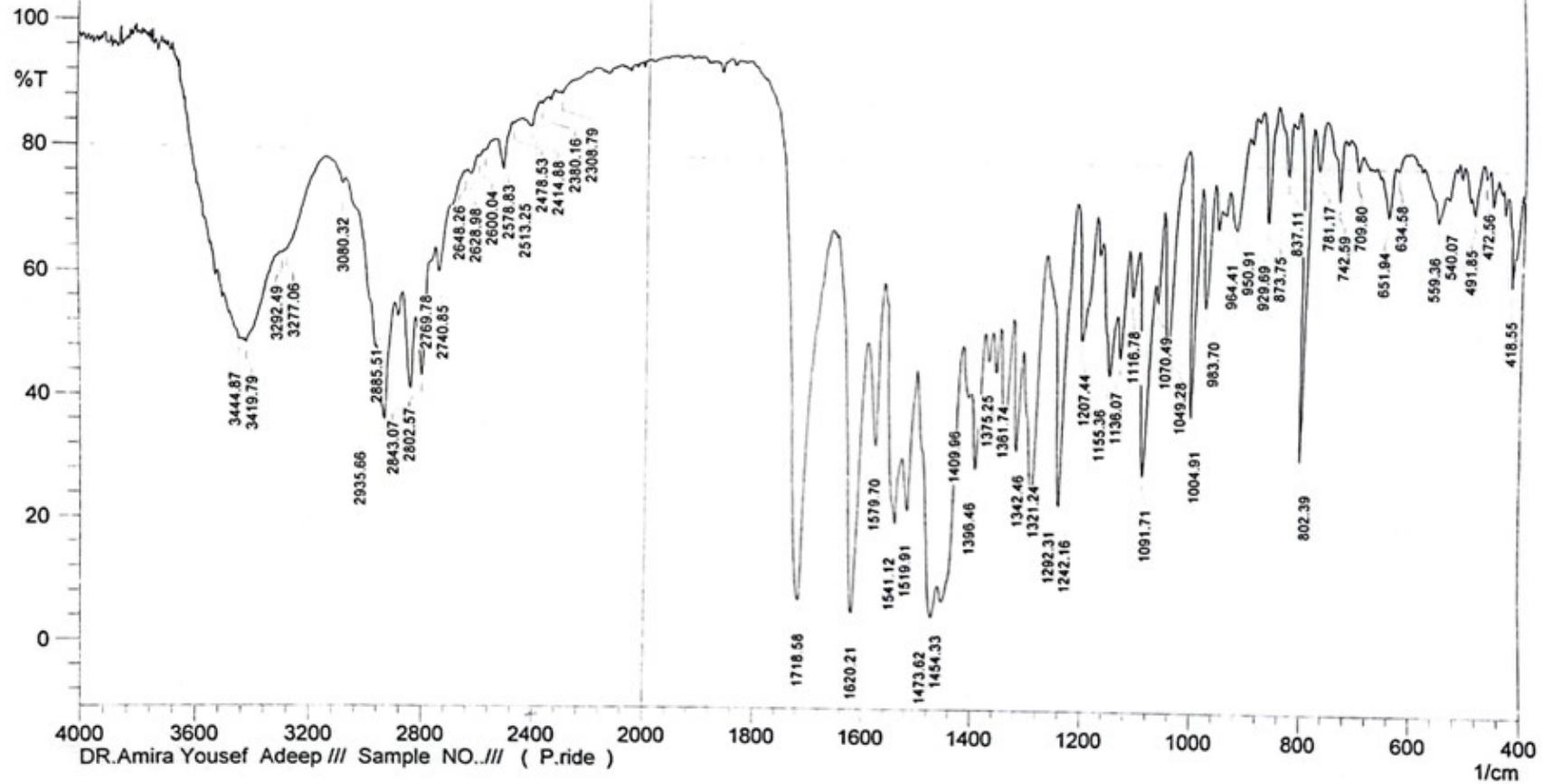
===== CHANNEL f1 =====
SFO1      100.6278588 MHz
NUC1       13C
P1         10.00 usec
PLW1       47.00000000 W

===== CHANNEL f2 =====
SFO2      400.1516006 MHz
NUC2       1H
CFDPRG[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
  
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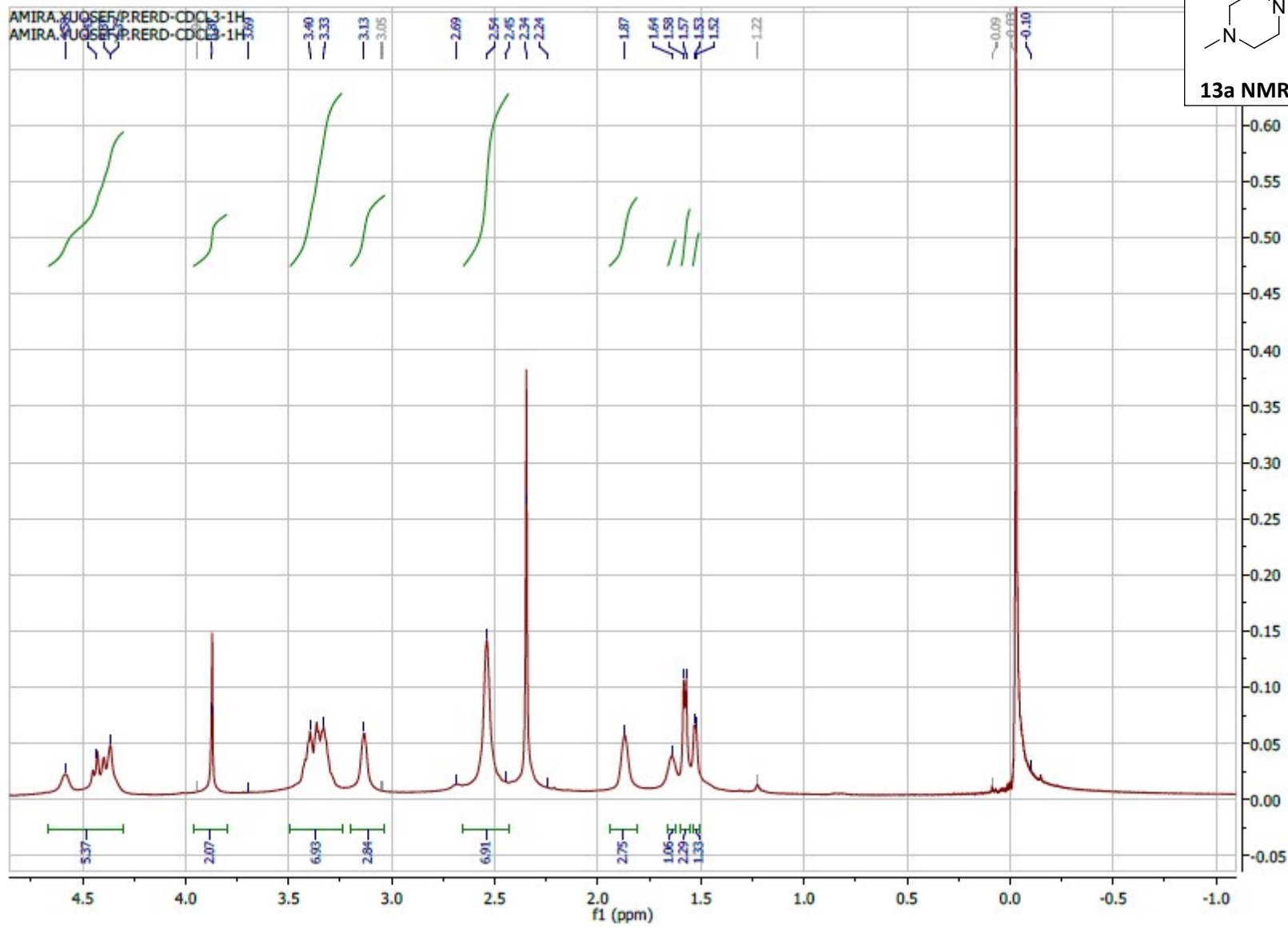
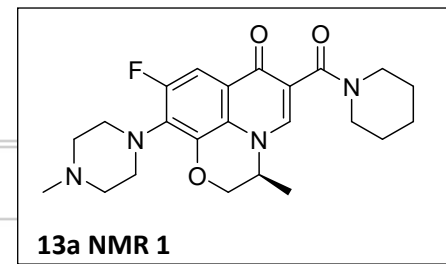


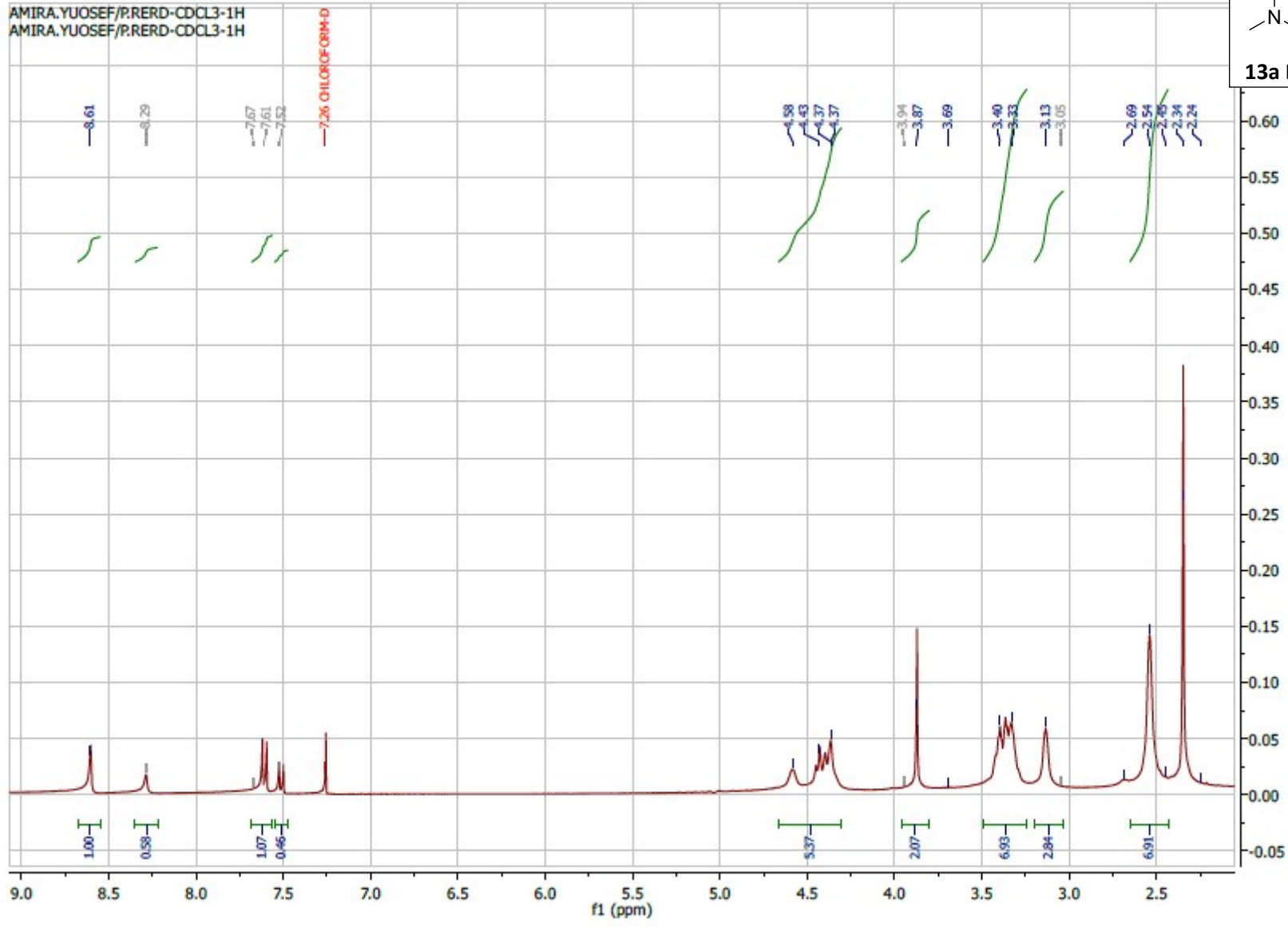
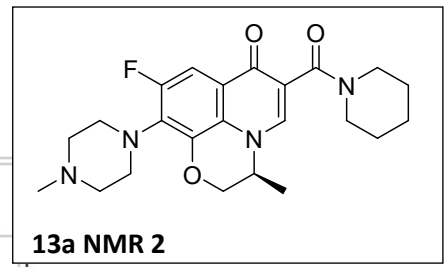
SHIMADZU

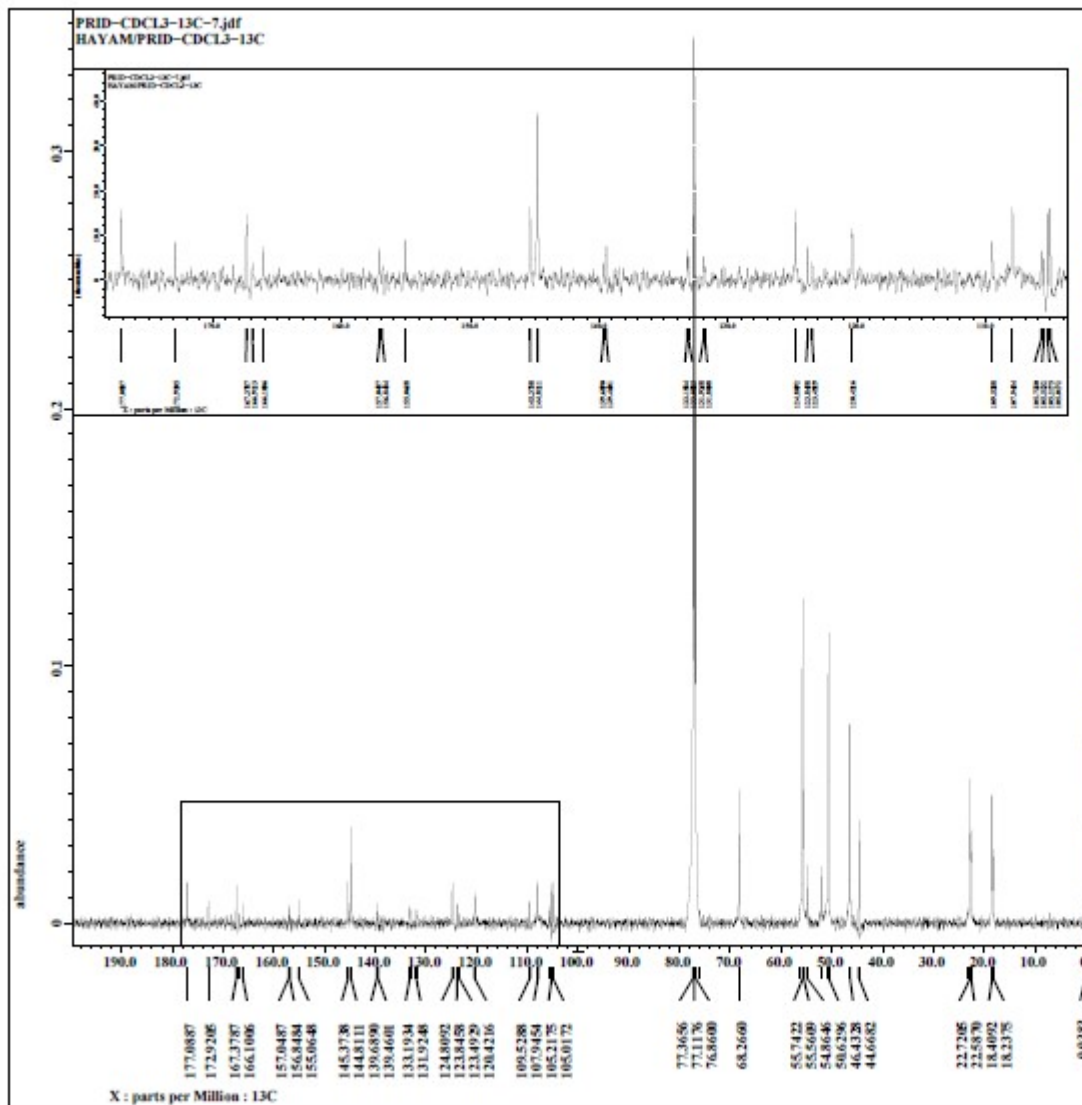


Comment;  
 DR.Amira Yousef Adeep /// Sample NO./// ( P.ride )  
 )  
 \*\*Prepared By : Dr.Ahmed A.EL-Wakeel , Ph.D.

Date/Time; 10/4/2022 11:45:12 AM  
 No. of Scans; 10  
 Resolution; 4 [1/cm]  
 Apodization; Happ-Genzel  
 User; Heinrich

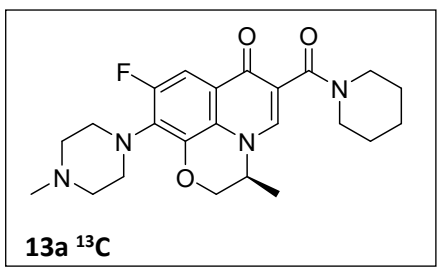


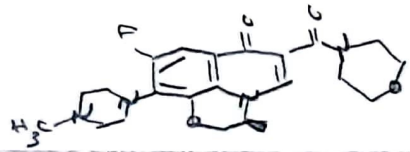
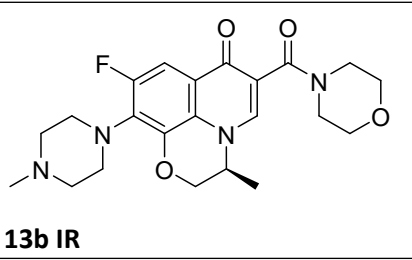




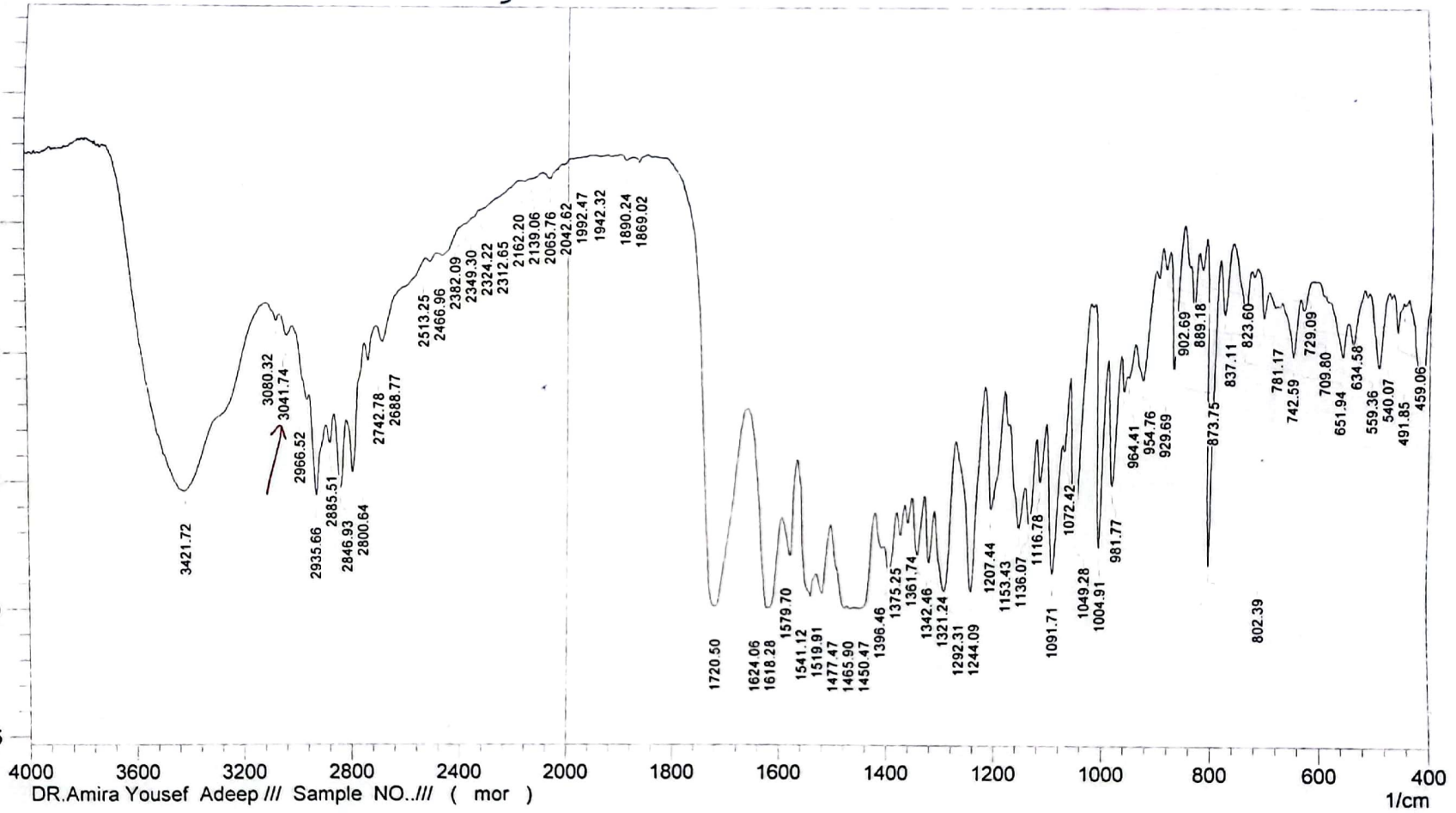
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Creation time    = 13-SEP-2022 20:0
Current time     = 13-SEP-2022 13:1
Data format     = 1D REAL
Dir_wise        = 26214
Dir_title       = 13c
Dir_units       = [ppm]
Dimensions      = X
Filename        = PRID-CDCL3-13c-7
Machine         = scc
Revision time   = 13-SEP-2022 13:0
Sample id       = HAYAM/PRID-CDCL3
Site           = SCS500 (Datum BL)
Spectrometer    = DELTA2_NMR
Scans          = 1680
Mod_return      = 1
Total scans     = 1680
X points        = 32768
X prescans     = 4
X domain       = 43c
X offset       = 100 [ppm]
X freq         = 125.76529768 [MHz]
X sweep        = 39.3081761 [kHz]
X resolution   = 1.19959034 [Hz]
Irr domain     = 1M
Irr offset     = 0.0 [ppm]
Irr_freq      = 500.13591521 [MHz]
X_acq duration = 0.83361792 [s]
Digital filter = TRM
Filter factor   = 8
AI version     = 1
Delay of start = 1.99999974 [s]
Actual start time = 13-SEP-2022 20:0
Acq delay      = 20.67 [us]
Digital filter status = 2P
Clipped        = FALSE
Dc balanced    = FALSE
X90            = 13 [us]
Irr90          = 12 [us]
Tri90          = 10 [us]
Qua90         = 10 [us]
Qui90         = 10 [us]
Sex90         = 10 [us]
Sep90         = 10 [us]
Oct90         = 10 [us]
Mon90         = 10 [us]
Dec90         = 10 [us]
X90_hi        = 0.118 [us]
Irr90_hi      = 92 [us]
Tri90_hi      = 10 [us]
Qua90_hi     = 10 [us]
Qui90_hi     = 10 [us]
Sex90_hi     = 10 [us]
Sep90_hi     = 10 [us]
Oct90_hi     = 10 [us]
Mon90_hi     = 10 [us]
Dec90_hi     = 10 [us]
X90_lo        = 0.118 [us]
Irr90_lo      = 92 [us]
Tri90_lo      = 10 [us]
Qua90_lo     = 10 [us]
Qui90_lo     = 10 [us]
Sex90_lo     = 10 [us]
Sep90_lo     = 10 [us]
Oct90_lo     = 10 [us]
Mon90_lo     = 10 [us]
Dec90_lo     = 10 [us]
X90_wpin     = 1 [us]
Irr90_wpin   = 38 [us]
  
```





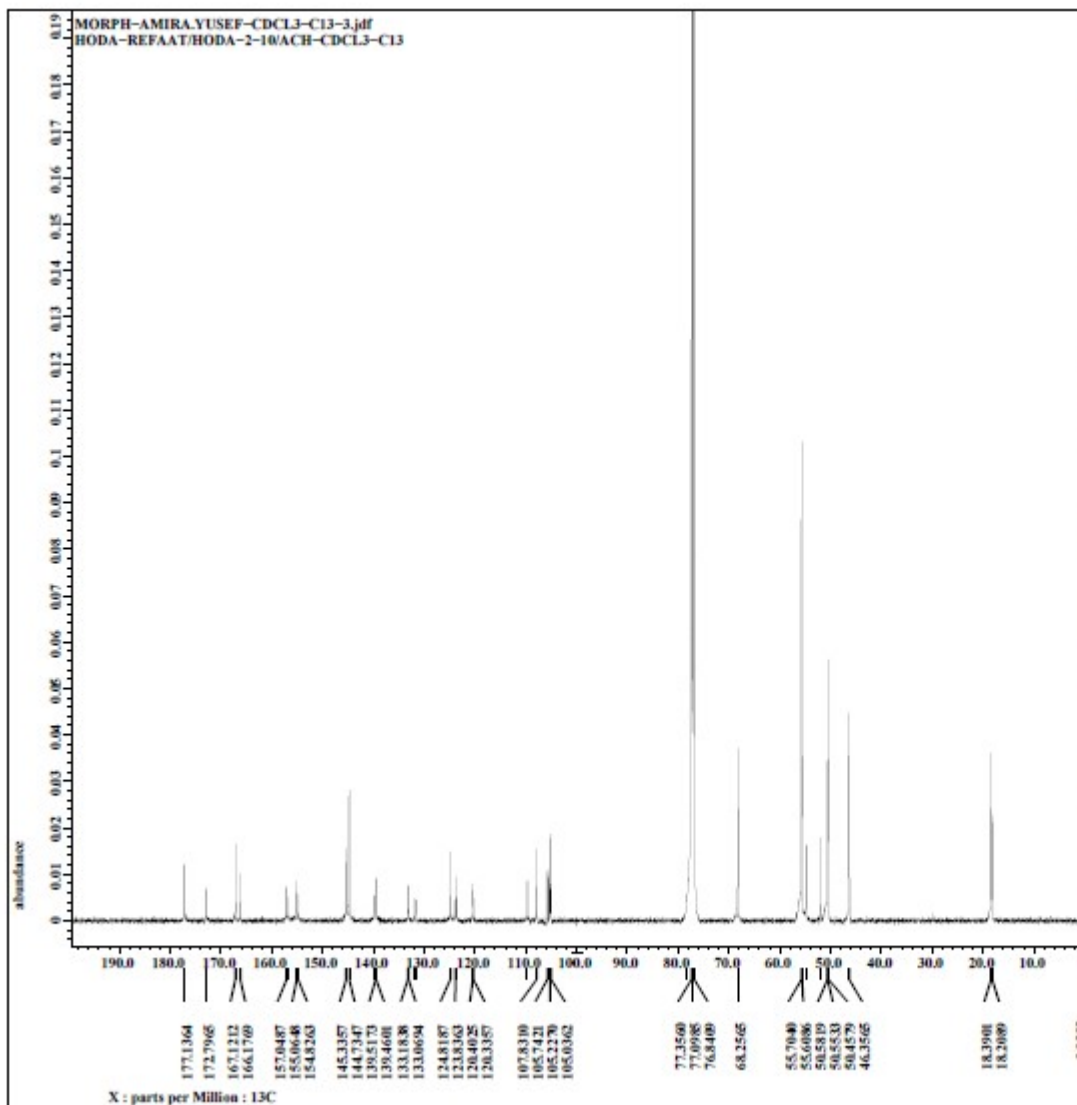
SHIMADZU









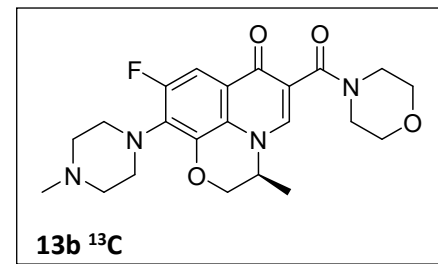


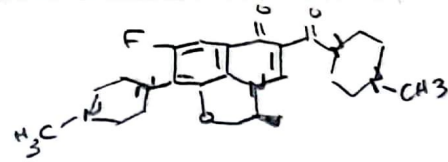
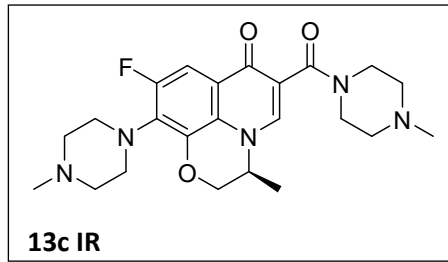
**JEOL**

```

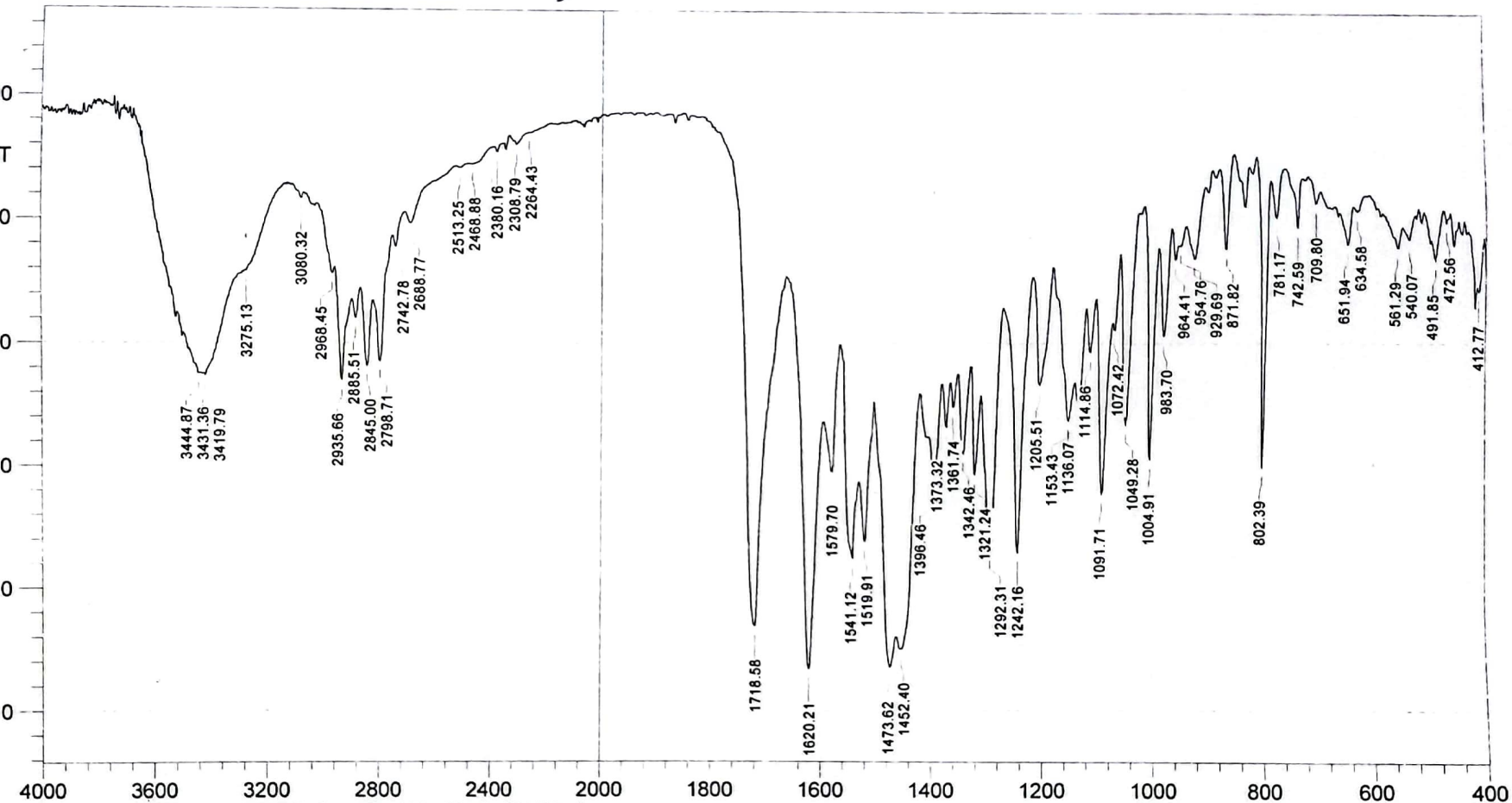
Author          = delta3
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Creation time   = 4-OCT-2022 16:3
Current time    = 4-OCT-2022 08:3
Data Format     = 1D_NMR
Dir size       = 26234
Dir title      = 13c
Dir units      = [ppm]
Dimensions     = X
Filename       = MORPH-AMIRA.YUSEF
Machine        = *cc
Revision time   = 4-OCT-2022 08:3
Sample_id      = HODA-REFAAT/HODA
Site           = NCA500 (Datum HL
Spectrometer   = DELTA2 500
Scans          = 20937
Mod return     = 1
Total scans    = 20937
X points       = 32768
X prescans     = 4
X domain       = 13c
X offset       = 100 [ppm]
X freq         = 125.76529768 [MHz]
X sweep        = 39.3081761 [kHz]
X resolution   = 1.19959034 [Hz]
Irr domain     = 1H
Irr offset     = 5.0 [ppm]
Irr freq       = 500.15901521 [MHz]
X acq duration = 0.83361792 [s]
Digital filter = TRUM
Filter factor   = 8
AE version     = 1
Delay of start = 1.99999974 [s]
Actual start time = 4-OCT-2022 16:3
Acq delay      = 20.67 [us]
Digital filter status = 2P
Clipped        = TRUM
Dc balanced    = FALSE
X90            = 13 [us]
Irr90          = 12 [us]
Tr190          = 10 [us]
Que90          = 10 [us]
Qui90          = 10 [us]
Sex90          = 10 [us]
Sep90          = 10 [us]
Oct90          = 10 [us]
Mon90          = 10 [us]
Dec90          = 10 [us]
X90 hi         = 0.118 [ms]
Irr90 hi       = 92 [us]
Tr190 hi       = 10 [us]
Que90 hi       = 10 [us]
Qui90 hi       = 10 [us]
Sex90 hi       = 10 [us]
Sep90 hi       = 10 [us]
Oct90 hi       = 10 [us]
Mon90 hi       = 10 [us]
Dec90 hi       = 10 [us]
X90 lo         = 0.118 [ms]
Irr90 lo       = 92 [us]
Tr190 lo       = 10 [us]
Que90 lo       = 10 [us]
Qui90 lo       = 10 [us]
Sex90 lo       = 10 [us]
Sep90 lo       = 10 [us]
Oct90 lo       = 10 [us]
Mon90 lo       = 10 [us]
Dec90 lo       = 10 [us]
X90 spin       = 1 [us]
Irr90 spin     = 38 [us]

```

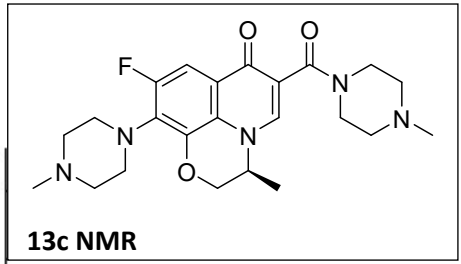
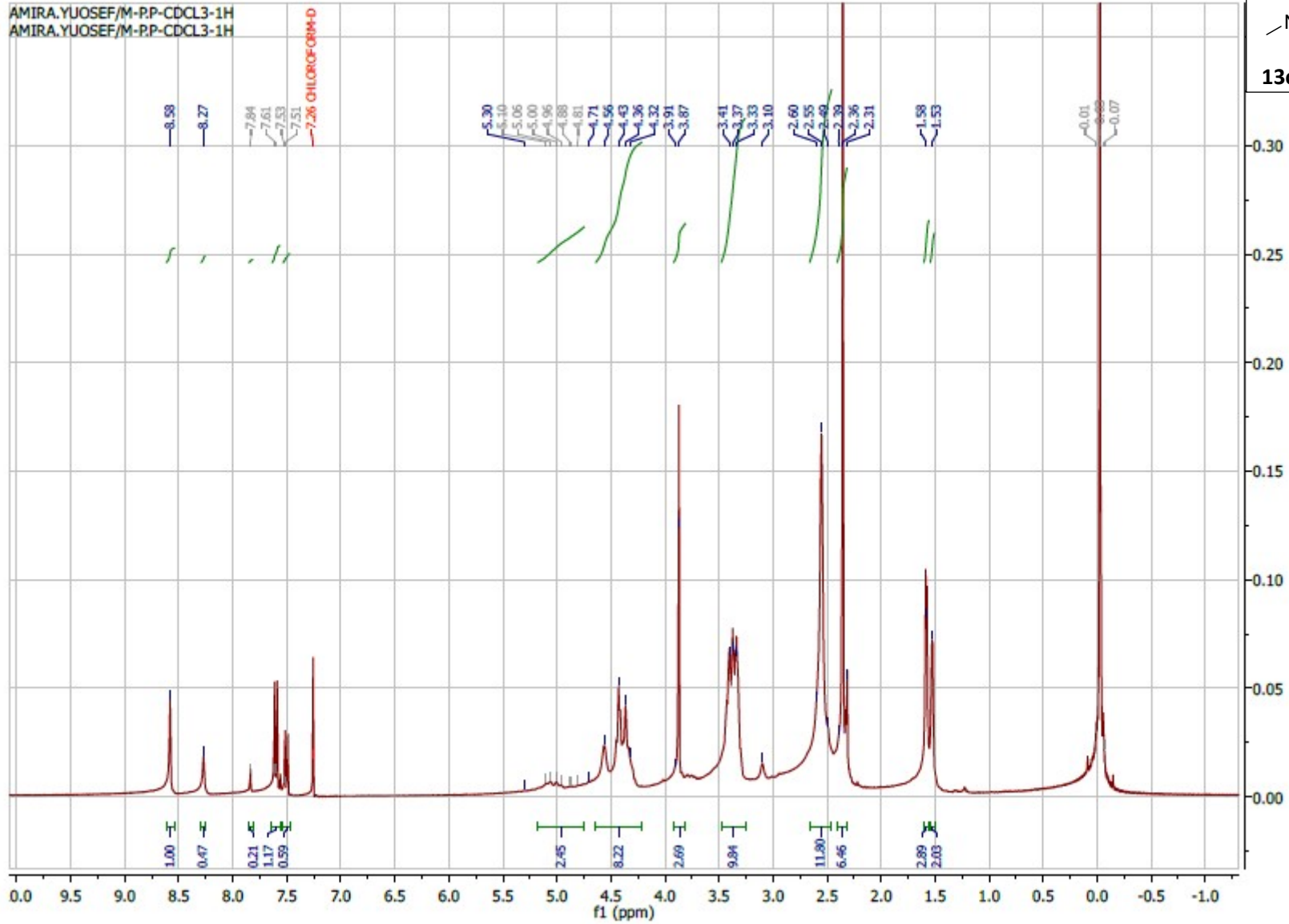


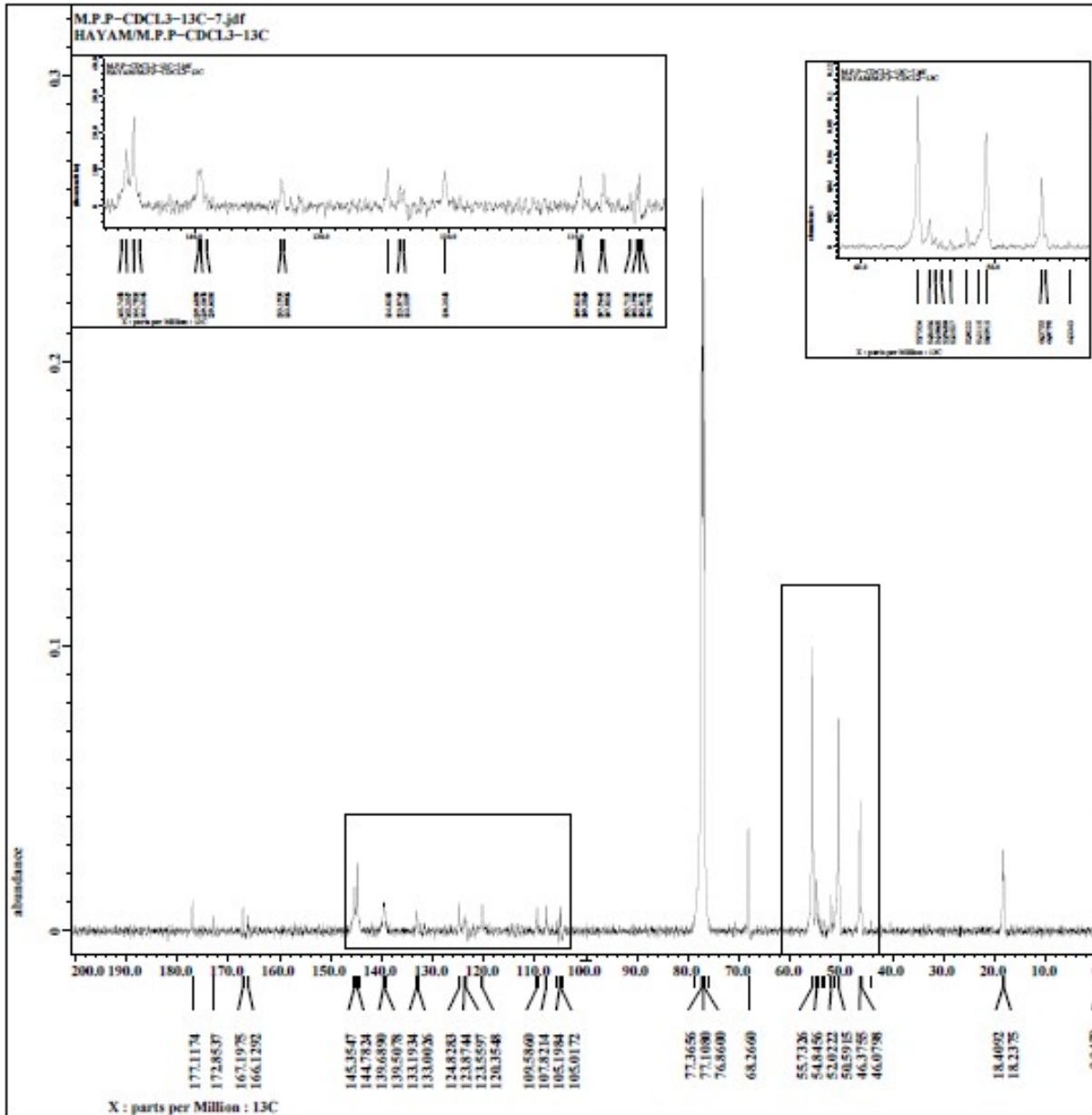
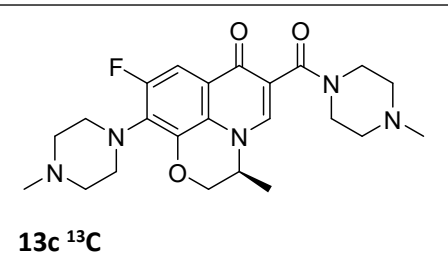


SHIMADZU

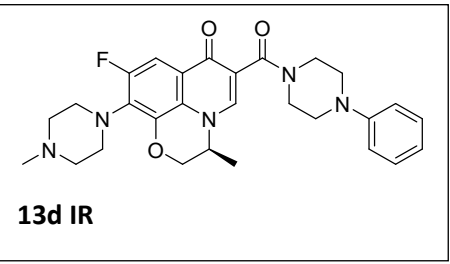


AMIRA.YUOSEF/M-PP-CDCL3-1H  
AMIRA.YUOSEF/M-PP-CDCL3-1H

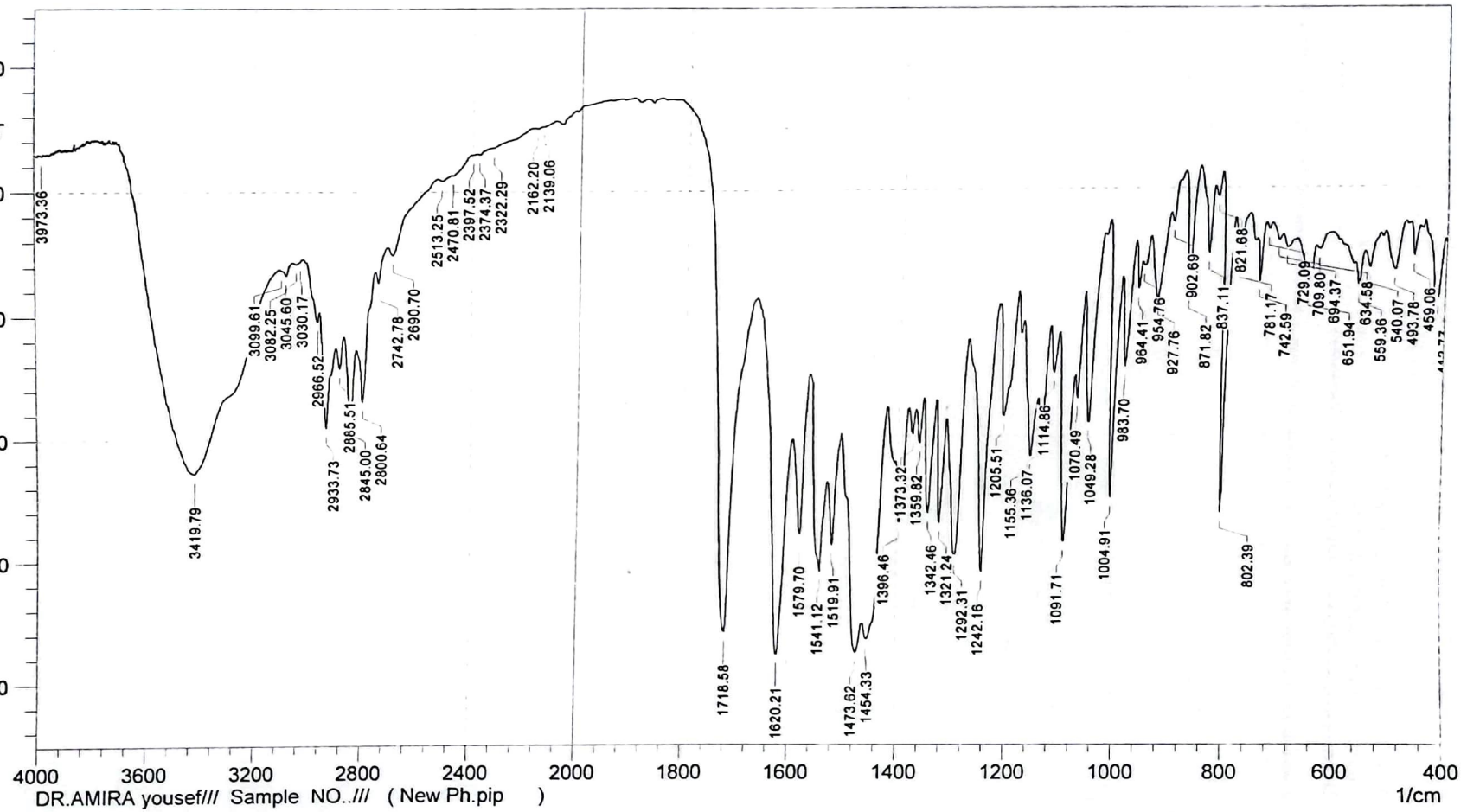




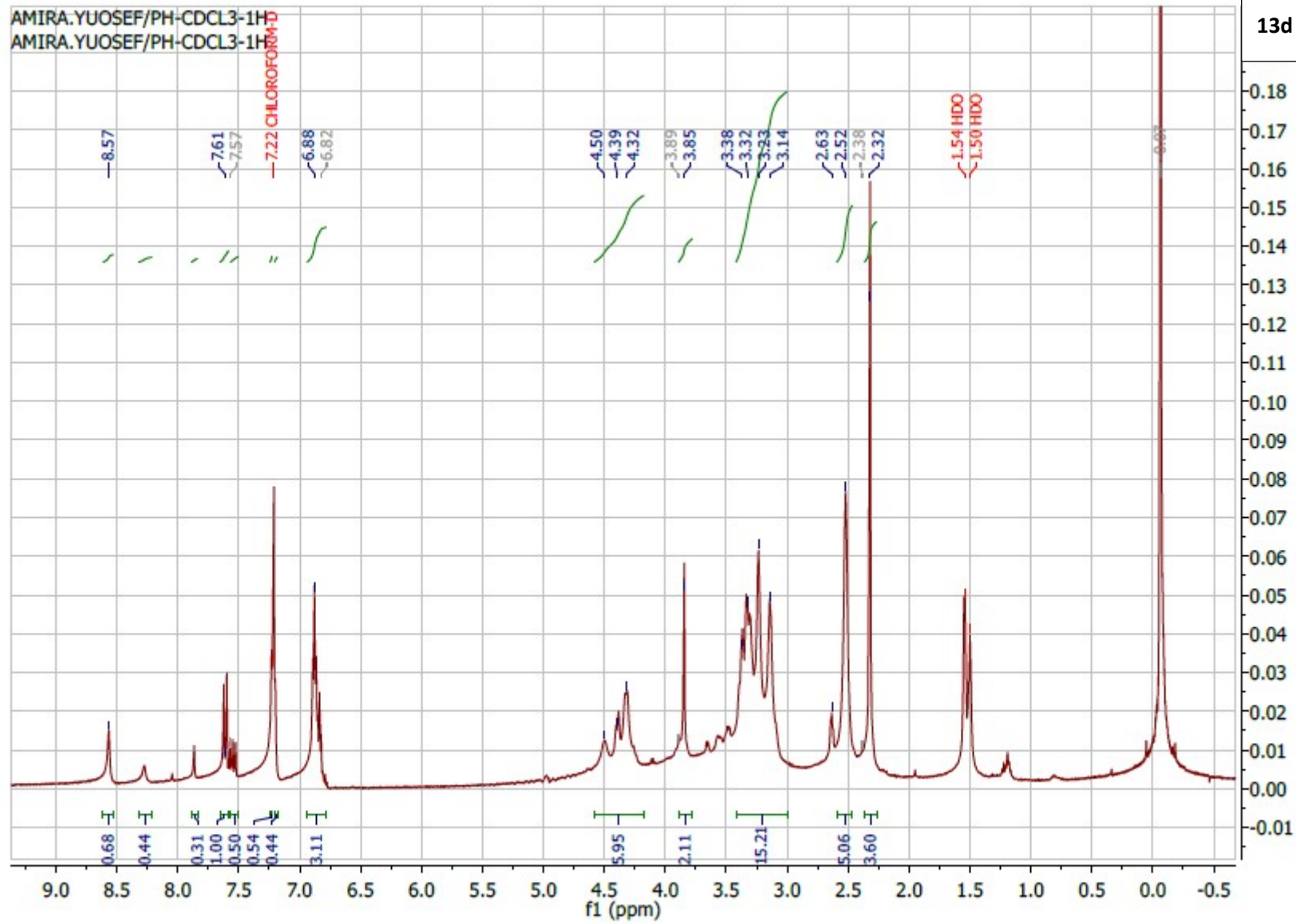
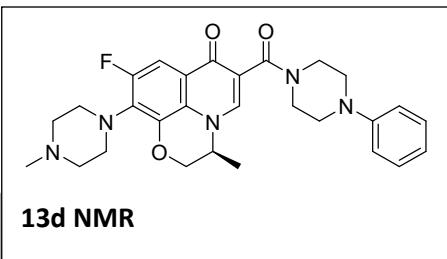
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Dimensions	= X
Filename	= M.P.P-CDCL3-13C-
Machine	= wco
Revision time	= 14-SEP-2022 10:0
Sample id	= HAYAM/M.P.P-CDCL
Site	= MCA500 (Datum BL
Spectrometer	= DELTA2_NMR
Scans	= 2315
Mod return	= 1
Total scans	= 2315
X points	= 32768
X prescans	= 4
X domain	= 13c
X offset	= 100 [ppm]
X freq	= 125.76529768 [MHz]
X sweep	= 39.3081761 [kHz]
X resolution	= 1.19959034 [Hz]
Irr domain	= 1M
Irr offset	= 5.0 [ppm]
Irr freq	= 500.15991521 [MHz]
X acq duration	= 0.83361792 [s]
Digital filter	= TR0X
Filter factor	= 8
AF version	= 1
Delay of start	= 1.99999974 [s]
Actual start time	= 13-SEP-2022 21:5
Acq delay	= 20.67 [us]
Digital filter status	= 2F
Clipped	= TR0X
De balanced	= FALSE
X90	= 13 [us]
Irr90	= 12 [us]
Tr190	= 10 [us]
Qua90	= 10 [us]
Qui90	= 10 [us]
Sex90	= 10 [us]
Sep90	= 10 [us]
Oct90	= 10 [us]
Non90	= 10 [us]
Dec90	= 10 [us]
X90 hi	= 0.118 [ms]
Irr90 hi	= 92 [us]
Tr190 hi	= 10 [us]
Qua90 hi	= 10 [us]
Qui90 hi	= 10 [us]
Sex90 hi	= 10 [us]
Sep90 hi	= 10 [us]
Oct90 hi	= 10 [us]
Non90 hi	= 10 [us]
Dec90 hi	= 10 [us]
X90 lo	= 0.118 [ms]
Irr90 lo	= 92 [us]
Tr190 lo	= 10 [us]
Qua90 lo	= 10 [us]
Qui90 lo	= 10 [us]
Sex90 lo	= 10 [us]
Sep90 lo	= 10 [us]
Oct90 lo	= 10 [us]
Non90 lo	= 10 [us]
Dec90 lo	= 10 [us]
X90 wpin	= 1 [us]
Irr90 wpin	= 38 [us]



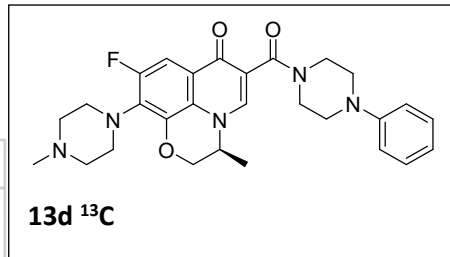
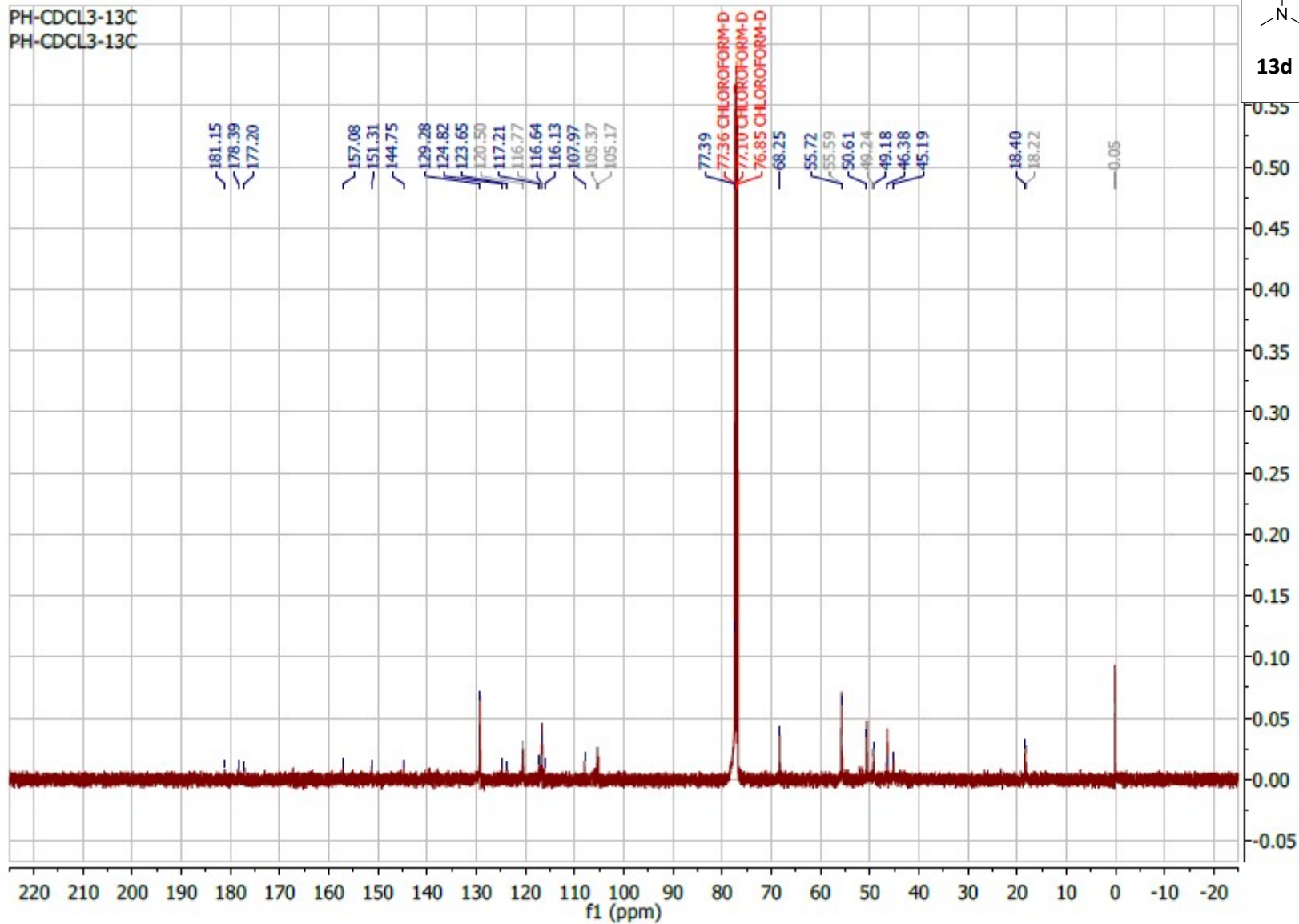
SHIMADZU







PH-CDCL3-13C  
PH-CDCL3-13C





**Al-Azhar University**  
**The Regional Center for Mycology and Biotechnology**



**Requester Data:**

Name: Dr. Amira Youssef Adib  
Authority: Faculty of Pharmacy,  
Misr University for Science and Technology University

**Sample Data:**

Sixteen samples had been submitted for elemental analysis.

**Analysis Report:**

Sample Code	C%	H%	N%
3a	60.47	5.28	14.32
3b	62.59	5.35	14.81
3c	63.04	5.91	14.47
4a	61.73	5.12	16.80
4b	53.72	4.39	14.67
4c	57.80	4.63	15.73
5	59.41	6.12	14.50
6	59.80	6.13	16.03
7	57.23	5.40	19.17
8	57.09	5.14	15.83
9	61.52	4.95	14.09
10	52.79	5.61	19.12
11a	56.30	4.87	15.26
11b	58.92	5.46	15.39
12a	59.47	5.62	15.04
12b	58.50	5.69	14.31

INVESTIGATOR

DIRECTOR



Al-Azhar University Campus - Nasr City, Cairo, Egypt.  
Tel: 0202 22620373 Fax : 0202 22620373  
E.mail:rcmb@azhar.edu.eg  
Website: <http://www.azhar.edu.eg.htm> \* [http://www.azhar.edu.eg/pages/fungi\\_center.htm](http://www.azhar.edu.eg/pages/fungi_center.htm)  
Facebook : RCMB AZHAR P.O. box mail : 11751 Nasr City Cairo, Egypt.

**Al-Azhar University**  
**The Regional Center for Mycology and Biotechnology**



**Requester Data:**

Name: Dr. Amira Youssef

Authority: Misr University for Science and Technology University

**Sample Data:**

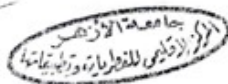
Four samples had been submitted for elemental analysis.

**Analysis Report:**

Sample Code	C%	H%	N%
13a	64.70	6.95	13.31
13b	61.60	6.46	13.29
13c	62.58	7.10	16.05
13d	66.41	6.52	14.11

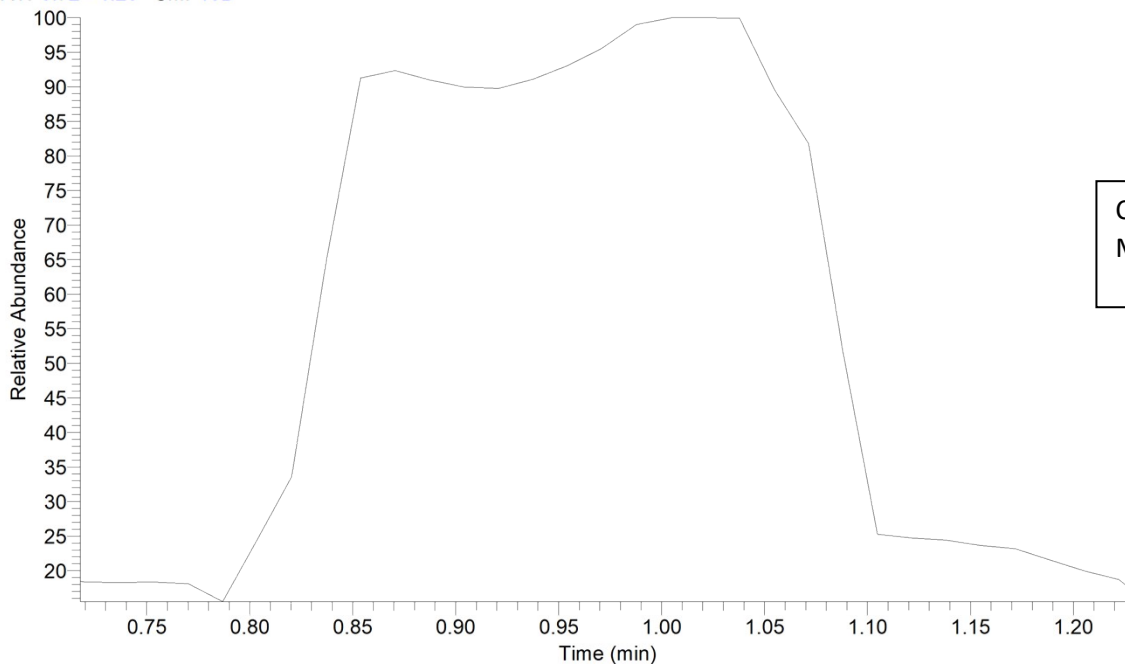
INVESTIGATOR

DIRECTOR



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Tel: 0202 22620373 Fax : 0202 22620373  
E-mail: [rcmb@azhar.edu.eg](mailto:rcmb@azhar.edu.eg)  
Website: <http://www.azhar.edu.eg.htm> \* [http://www.azhar.edu.eg/pages/fungi\\_center.htm](http://www.azhar.edu.eg/pages/fungi_center.htm)  
Facebook : RCMB AZHAR P.O. box mail : 11751 Nasr City Cairo, Egypt.

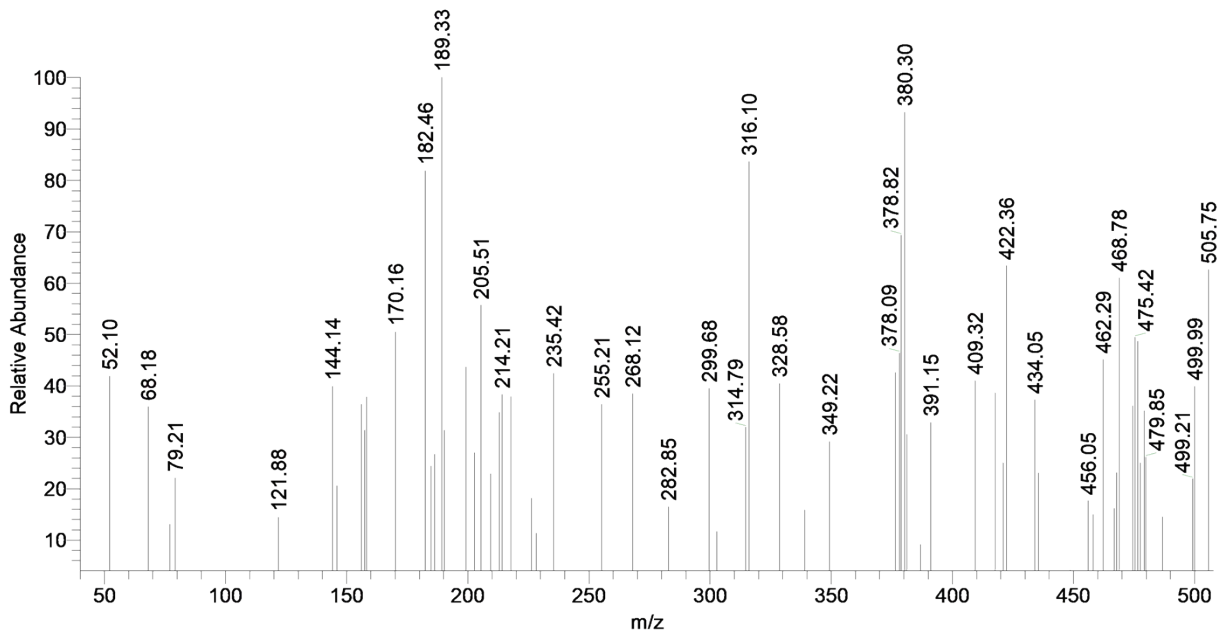
RT: 0.72 - 1.23 SM: 15B



NL:  
1.45E4  
TIC MS  
Amira-Usif-  
11

Compound 9  
Mwt= 505.51

Amira-Usif-11 #217 RT: 3.65 AV: 1 SB: 6 2.79 , 2.48-2.54 NL: 2.93E2  
T: + c EI Full ms [40.00-1000.00]



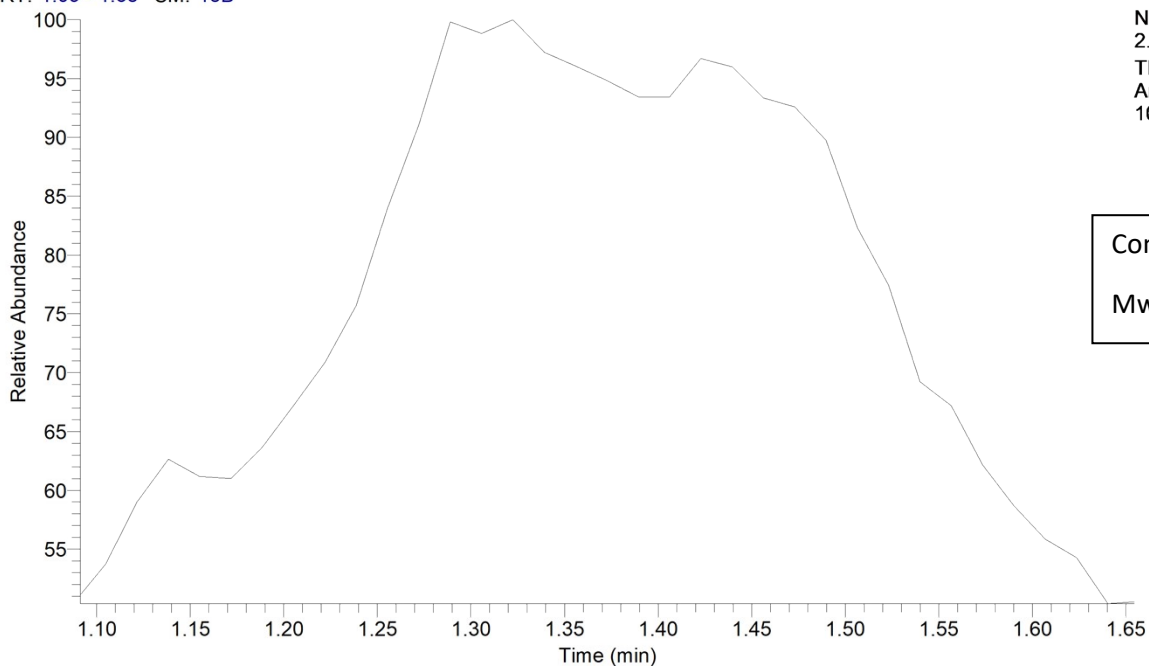
m/z Intensity Relative

52.10	122.8	41.96
68.18	105.3	35.98
77.08	38.3	13.08
79.21	64.8	22.13
121.88	42.3	14.44

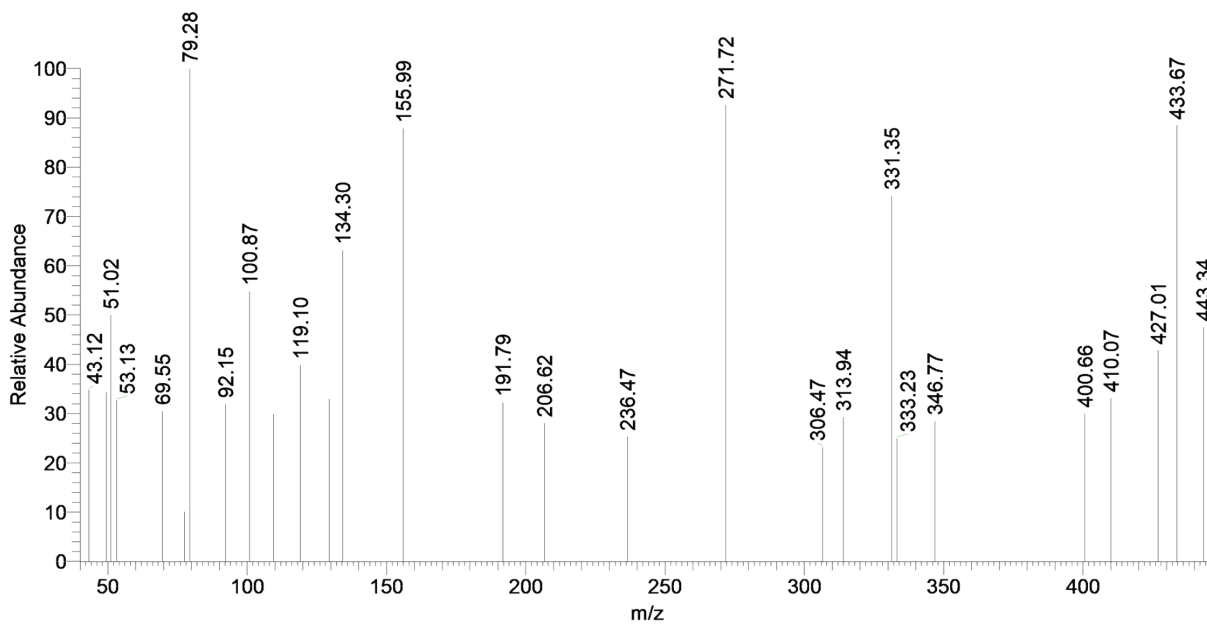
144.14	117.0	39.97
145.93	60.4	20.65
156.11	106.7	36.45
157.34	91.9	31.39
158.34	110.7	37.81
170.16	147.9	50.52
182.46	239.6	81.87
184.84	71.3	24.37
186.34	78.0	26.65
189.33	292.6	100.00
190.40	91.9	31.39
199.20	127.9	43.71
202.82	78.9	26.97
205.51	163.1	55.72
209.48	67.1	22.92
213.05	102.0	34.85
214.21	112.3	38.36
217.77	111.1	37.98
226.28	53.1	18.13
228.21	33.4	11.41
235.42	124.4	42.51
255.21	106.8	36.49
268.12	112.7	38.50
282.85	48.3	16.51
299.68	115.6	39.51
302.77	34.2	11.70
314.79	93.6	31.98
316.10	244.8	83.64
328.58	118.6	40.52
339.12	46.5	15.88
349.22	85.4	29.18

376.41	124.7	42.60
378.09	136.0	46.47
378.82	203.0	69.35
380.30	272.9	93.26
381.20	89.5	30.57
386.94	26.8	9.16
391.15	96.3	32.89
409.32	120.0	41.02
417.60	113.2	38.68
421.03	73.2	25.03
422.36	185.5	63.39
434.05	109.2	37.31
435.62	67.6	23.08
448.73	12.0	4.10
456.05	51.7	17.66
458.05	44.0	15.04
462.29	132.1	45.15
466.86	47.2	16.13
467.79	67.7	23.14
468.78	178.7	61.06
474.51	105.8	36.17
475.42	144.8	49.48
476.46	142.5	48.70
477.46	73.3	25.06
479.27	102.9	35.17
479.85	76.5	26.15
486.70	42.6	14.55
499.21	64.1	21.91
499.99	116.8	39.91
505.75	183.2	62.61

RT: 1.09 - 1.65 SM: 15B



Amira-Usif-10 #67-68 RT: 1.14-1.15 AV: 2 SB: 2 2.33 , 2.33 NL: 1.80E2  
T: + c EI Full ms [40.00-1000.00]



m/z Intensity Relative

43.12	62.6	34.82
49.36	61.7	34.33
51.02	89.8	49.94
53.13	58.8	32.70
69.55	54.9	30.55

77.52	18.2	10.12
79.28	179.8	100.00
92.15	57.5	31.96
100.87	98.5	54.76
109.41	53.9	29.96
119.10	71.5	39.78
129.42	59.3	33.00
134.30	113.5	63.11
155.99	157.9	87.80
191.79	58.0	32.26
206.62	50.4	28.03
236.47	45.5	25.32
271.72	166.7	92.70
306.47	41.7	23.17
313.94	52.7	29.29
331.35	133.3	74.16
333.23	44.9	24.99
346.77	51.2	28.48
400.66	54.0	30.03
410.07	59.6	33.15
427.01	77.0	42.83
433.67	159.1	88.47
443.34	85.4	47.50



## HPLC purity for compound 5

