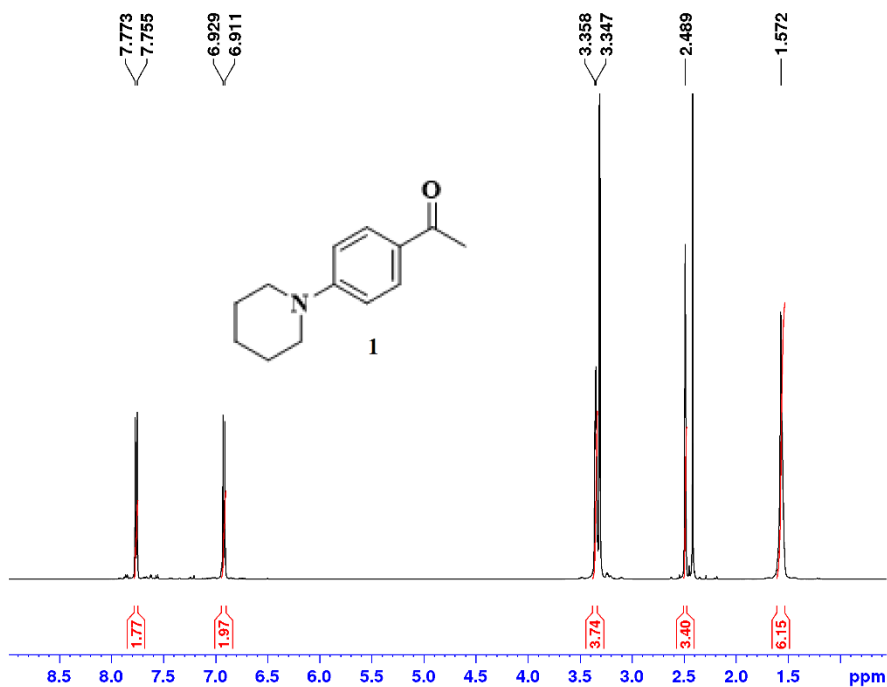


Spectroscopic data (¹H-NMR and ¹³C-NMR) of compounds 1-28

Israr-ul-Haq/ Dr Khalid/ IUH-I-119a/ DMSO
¹H-NMR

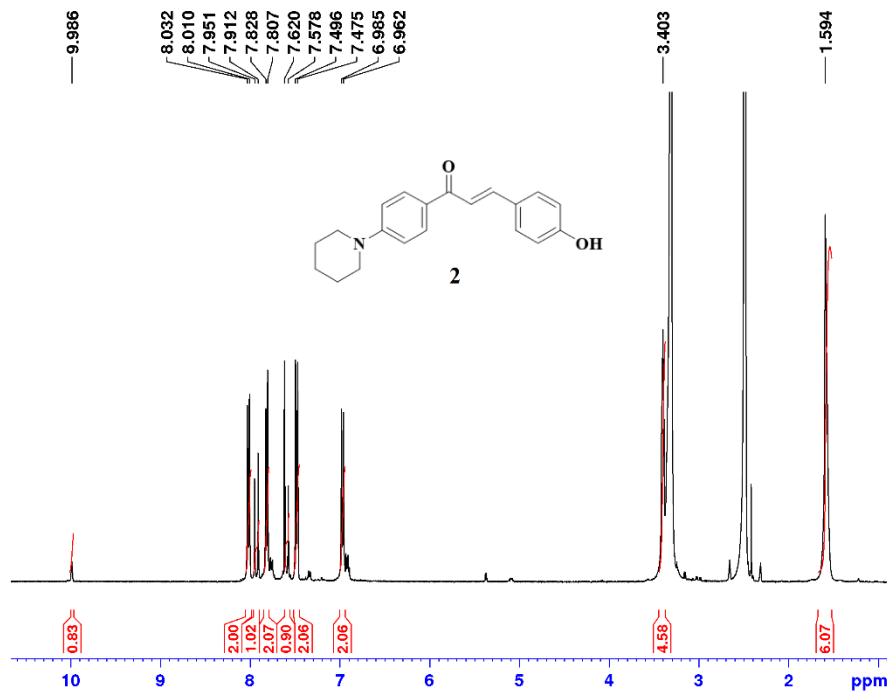


Current Data Parameters
NAME Dec24-2020
EXPNO 6
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201224
Time 16.16 h
INSTRUM Avance Neo 500
PROBHD ZSXC7_0198 (PH
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 64
DS 0
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 100
CW 50.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.5000000 sec
TDC 1
SFO 500.3340026 MHz
NUC1 1H
PC 3.33 usec
PI 10.00 usec
PLWL 10.0000000 W

F2 - Processing parameters
SI 6584
SF 500.3300090 MHz
WDW EX
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-121a/ DMSO
¹H

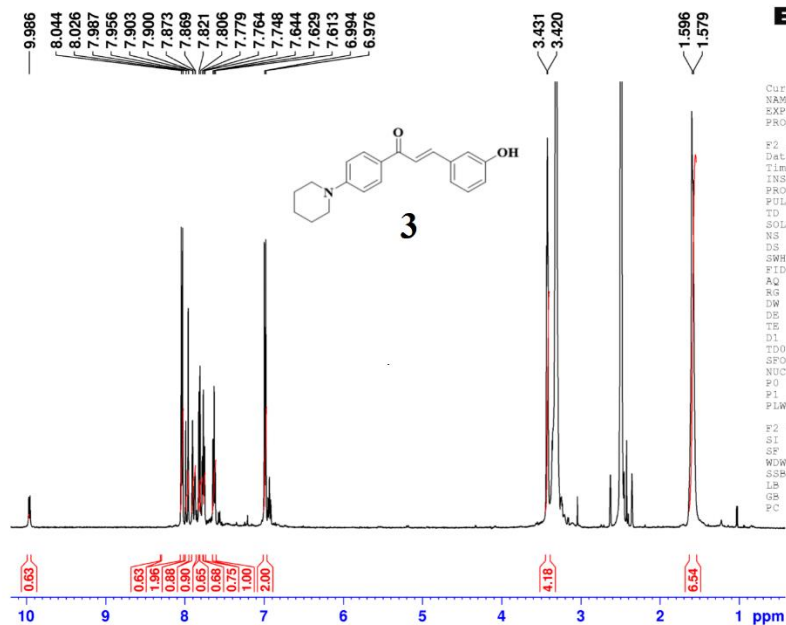


Current Data Parameters
NAME dec15-20
EXPNO 8
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201213
Time 15.10 h
INSTRUM AVNeo_400
PROBHD zgpg30
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 64
DS 0
SWH 7812.500 Hz
FIDRES 0.476937 Hz
AQ 2.0971520 sec
RG 101
DN 64.000 usec
DE 14.30 usec
TE 298.0 K
DC 2.00000000 sec
TDO -
SFO1 399.9331994 MHz
NUC1 13
PC 3.32 usec
PL 9.95 usec
PLW1 6.30000000 W

F2 - Processing parameters
SI 65536
SF 399.9300072 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israk-ul-Haq/ Dr Khalid/ IUH-I-141a/ DMSO
¹H-NMR

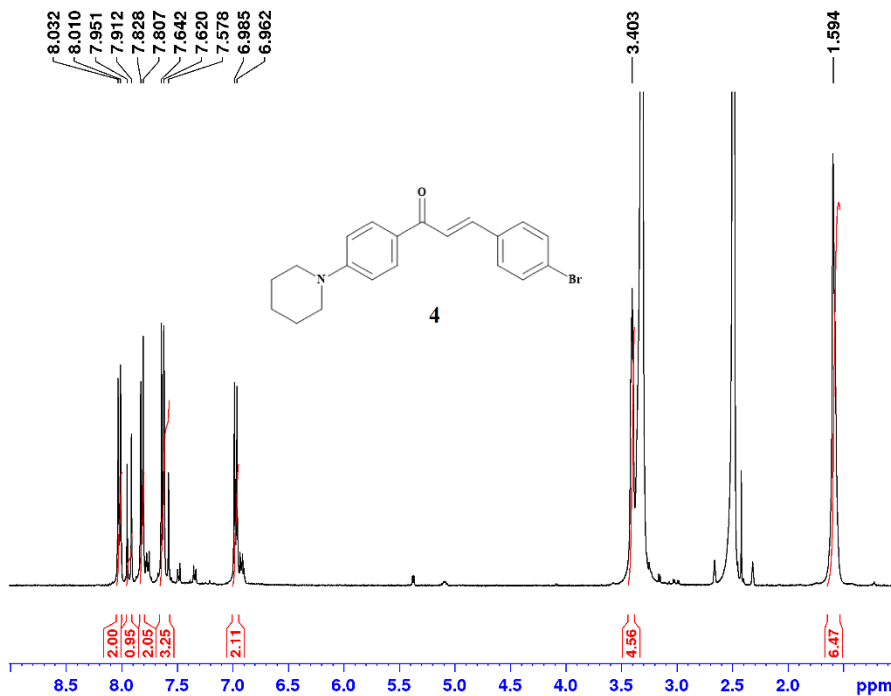


Current Data Parameters
NAME Dec28-20
EXPNO 6
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201228
Time 12:57 h
INSTRUM Avance Neo 500
PROBHD Z8107_0198 (PH
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 128
DS 0
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DW 50.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.50000000 sec
TD0 1
SFO1 500.3340026 MHz
NUC1 1H
P0 3.33 usec
P1 10.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.3300090 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-127a/ DMSO
¹H

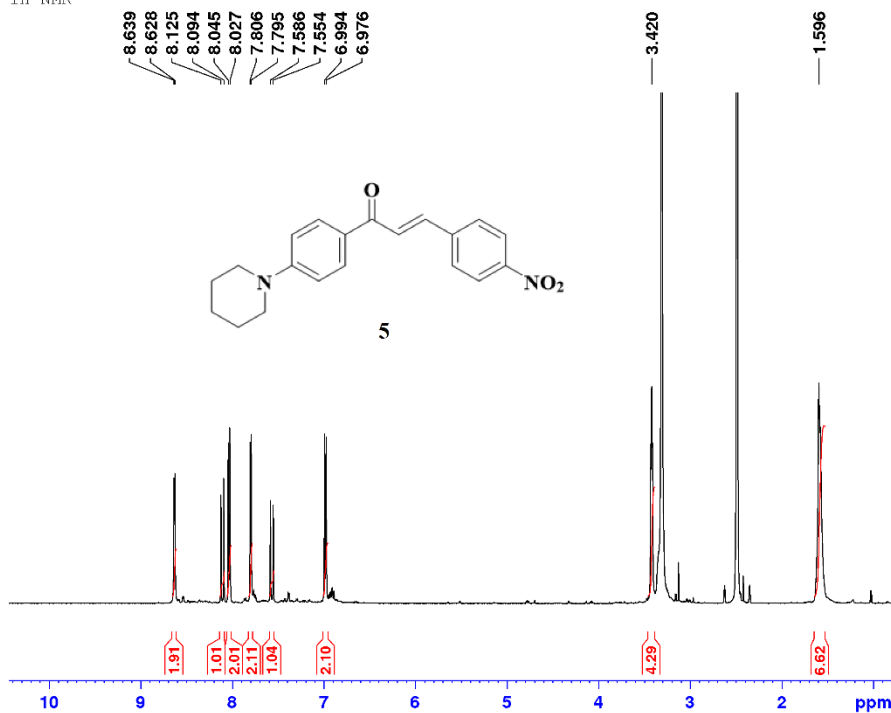


Current Data Parameters
NAME dec13-20
EXPNO 8
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201215
Time 15.10 h
INSTRUM AVNec_400
PROBHD Z8247_0040 (FH)
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 64
DS 0
SWH 7812.500 Hz
FIDRES 0.476837 Hz
AQ 2.597520 sec
RG 101
DM 64.000 usec
DE 14.30 usec
TE 298.0 K
CL 2.00000000 sec
TDO 1
SFOL 399.9331994 MHz
NUC1 1H
PC 3.32 usec
PI 9.95 usec
PLWL 6.00000000 W

F2 - Processing parameters
SI 65536
SF 399.9300071 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-95a/ DMSO
1H-NMR

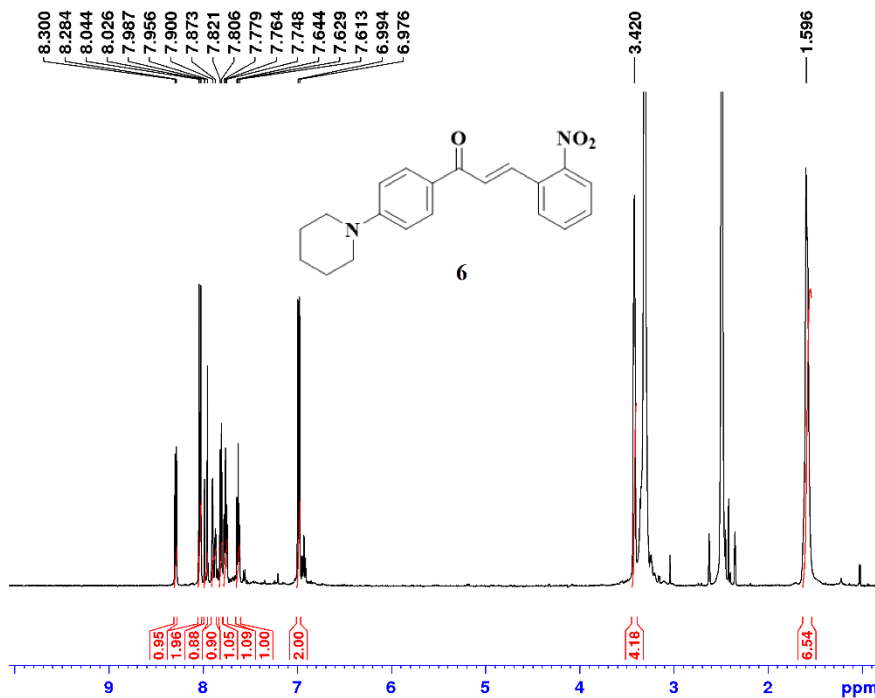


Current Data Parameters
NAME Dec28-20
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201228
Time 12.41 h
INSTRUM Avance Neo 500
PROBHD zgpg301 (2H)
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 64
DS 0
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
EW 50.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.50000000 sec
TD0 1
SFO1 500.3340026 MHz
NUC1 1H
P0 3.33 usec
PC 10.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.3340026 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-107a/ DMSO
¹H-NMR

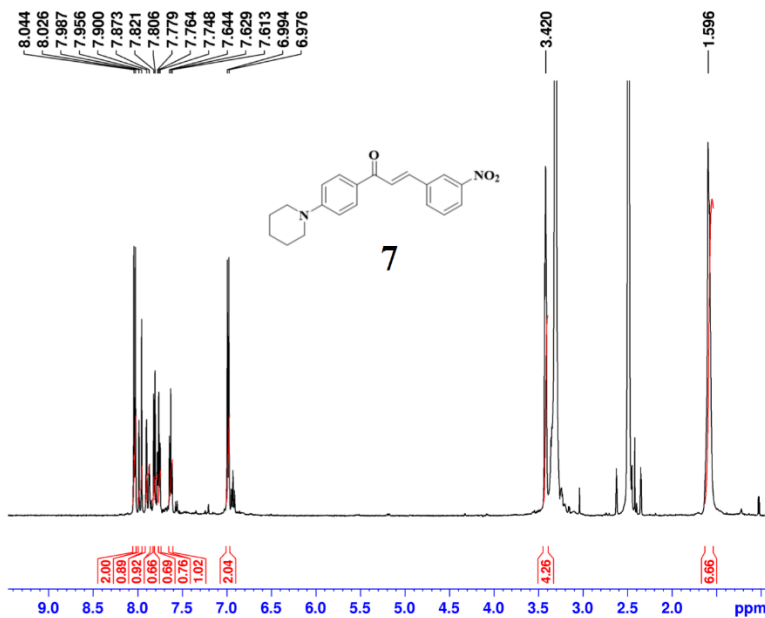


Current Data Parameters
NAME Dec28-20
EXPNO 6
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201228
Time 12.57 h
INSTRUM Avance Neo 500
PROBHD 28107_0198 (PH
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 128
DS 0
SWE 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DW 50.000 usec
DE 6.50 usec
TE 298.0 K
D0 1.50000000 sec
C00
SFO1 500.3340026 MHz
NUC1 1H
P0 3.33 usec
PL 10.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.3300090 MHz
WDW EM
SSB 0
LB 0
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-155a/ DMSO
 1H-NMR

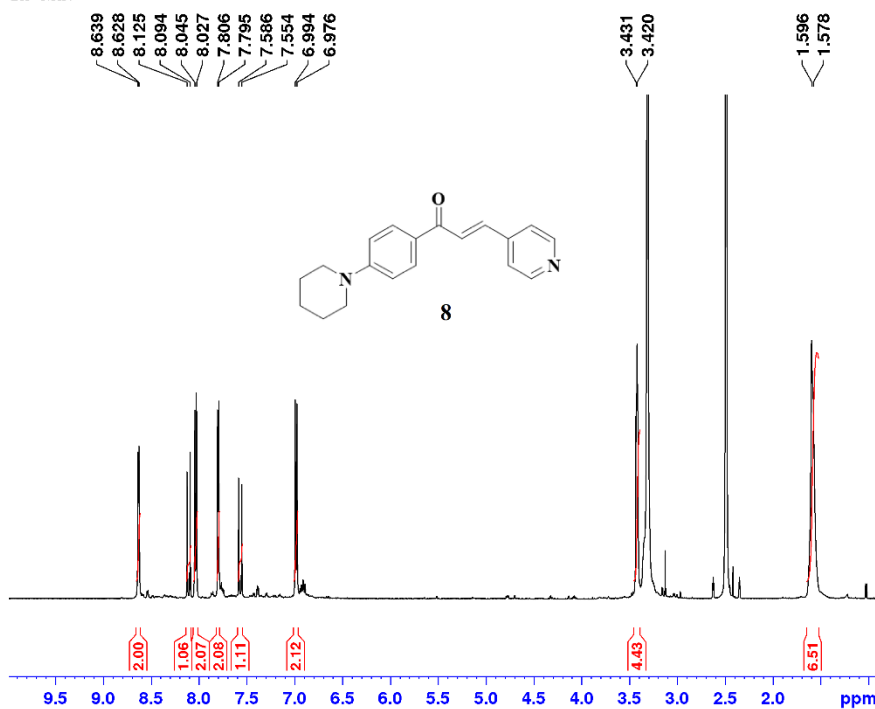


Current Data Parameters
 NAME Dec28-20
 EXPNO 6
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20201228
 Time 12:57 h
 INSTRUM Avance Neo 500
 PROBRD Z8107_0198 (P4)
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 128
 DS 0
 SWH 10000.000 Hz
 FIDRES 0.410352 Hz
 AQ 1.6384000 sec
 RG 101
 DW 50.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 1.50000000 sec
 TDO 1
 SFO1 500.3340026 MHz
 NUC1 1H
 P0 3.33 usec
 P1 10.00 usec
 PLW1 10.00000000 W

F2 - Processing parameters
 SI 16384
 SF 500.3300090 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-161a/ DMSO
 1H-NMR

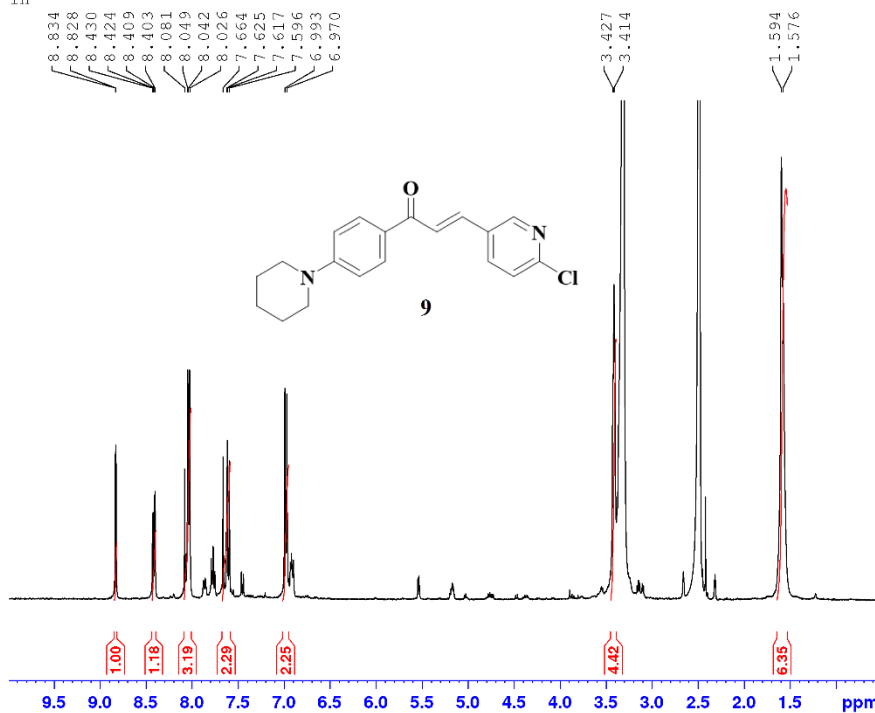


Current Data Parameters
 NAME Dec28-20
 EXPNO 5
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20201228
 Time 12.41 h
 INSTRUM Avance Neo 500
 PROBHD zgpg30 (PH)
 PULPROG zgpg30
 TD 32768
 SOLVENT DMSO
 NS 64
 DS 4
 SWH 10000.000 Hz
 FIDRES 0.610352 Hz
 AQ 1.6384000 sec
 RG 101
 DW 50.000 usec
 DE 6.50 usec
 TE 298.0 K
 D1 1.5000000 sec
 IDC 1
 SPOL 500.3340026 MHz
 NUCL1 1H
 PC 3.33 usec
 P1 10.00 usec
 PL1 10.0000000 W

F2 - Processing parameters
 SI 16384
 SF 500.3300090 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-143a/ DMSO
1H

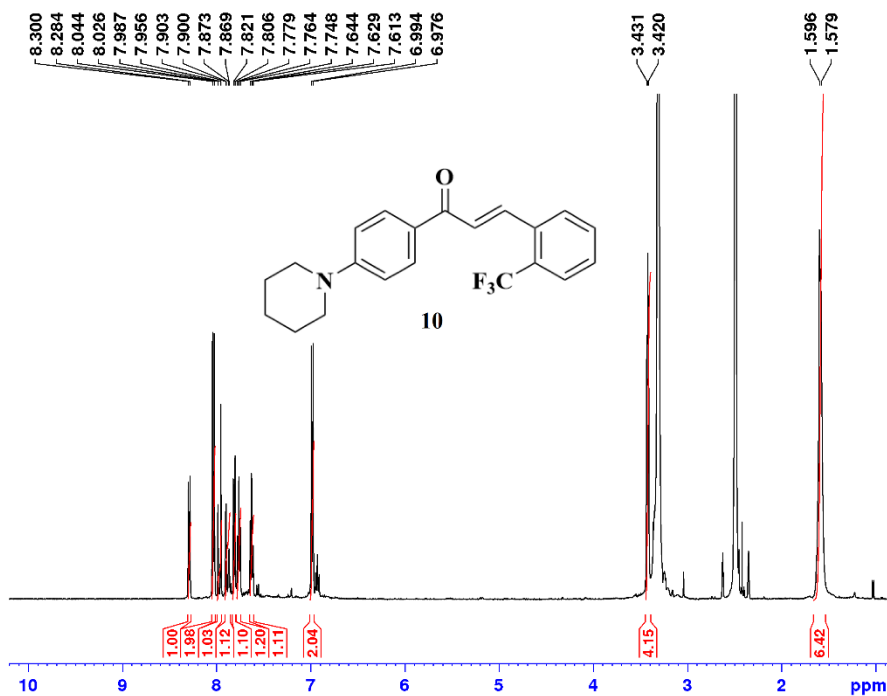


Current Data Parameters
NAME dec15-20
EXPNO 7
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201215
Time 15.01 h
INSTRUM AVNec_400
PROBHD zgpg30 (PF)
PULPROG zg30
ID 32788
SOLVENT DMSO
NS 64
DS 5
SWH 7812.500 Hz
FIDRES 0.476837 Hz
AQ 2.0971520 sec
RG 1.01
CW 64.500 usec
DT 14.30 usec
TE 298.0 K
D1 2.30000000 sec
TDC 1
SFOL 399.9330994 MHz
NUC1 1H
PC 3.32 usec
P1 9.95 usec
PLW1 6.00000000 W

F2 - Processing parameters
SI 65536
SF 399.9330071 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-163a/ DMSO
¹H-NMR

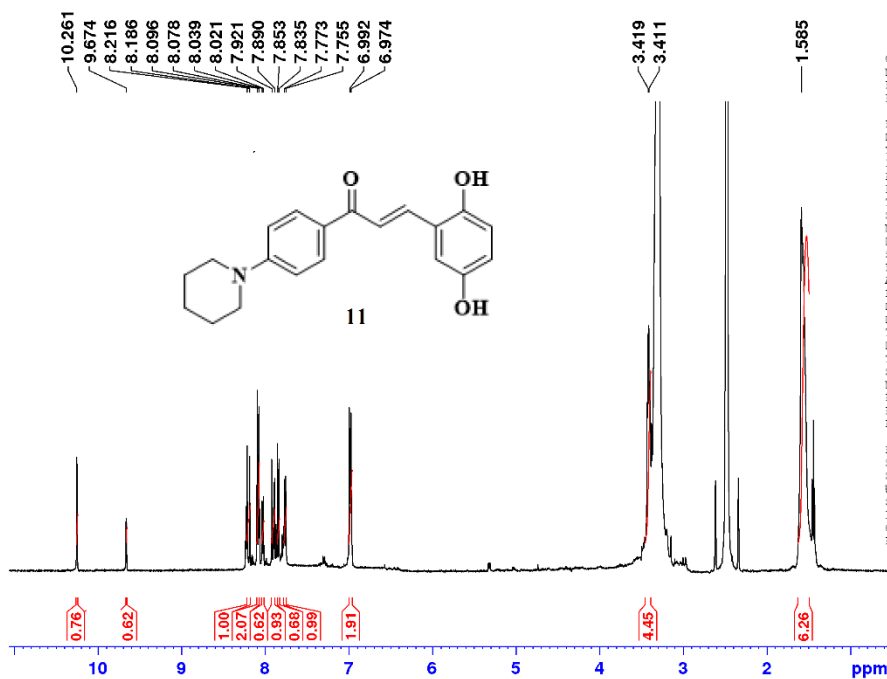


Current Data Parameters
NAME Dec28-20
EXPNO 6
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201228
Time 12.57 h
INSTRUM Avance Neo 500
PROBHD Z8107_0198 (PA
PULPROG zgpg
TD 32768
SOLVENT DMSO
NS 128
DS 0
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DW 50.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.50000000 sec
TD0 1
SFO1 500.3340026 MHz
NUC1 1H
FO 3.33 usec
PC 10.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.3300090 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-93a/ DMSO
1H-NMR

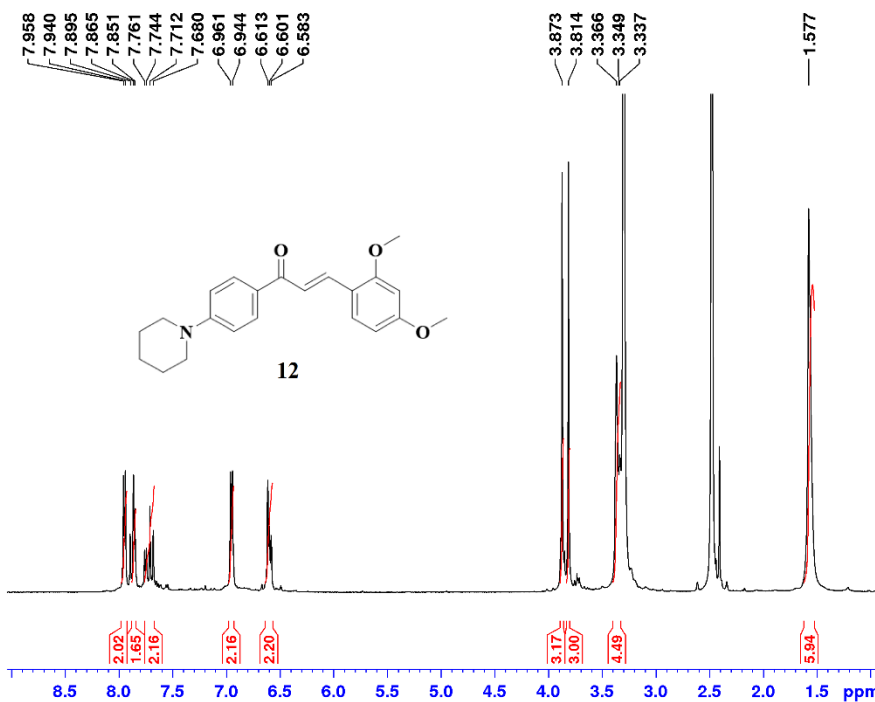


Current Data Parameters
NAME Dec08-20
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201208
Time 15.16 h
INSTRUM Avance Neo 500
PROBHD zg30
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 128
DS 0
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DW 50.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.50000000 sec
ZD0 -
SFO1 500.3340026 MHz
NUC1 1H
P0 3.33 usec
P1 10.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.3300145 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-105a/ DMSO
1H-NMR

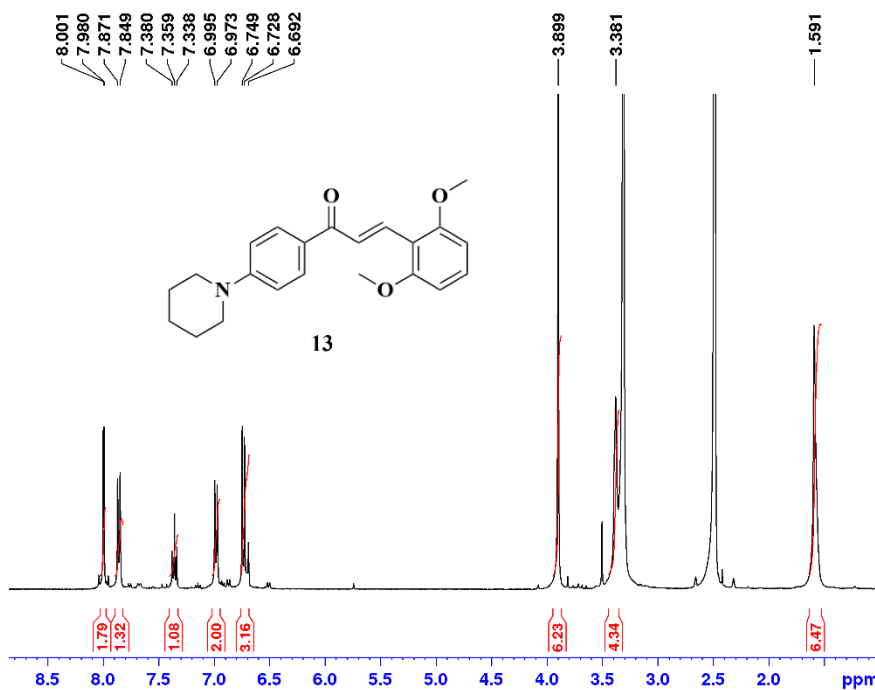


Current Data Parameters
NAME Dec08-20
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201208
Time 15.31 h
INSTRUM Avance Neo 500
PROBHD 28107_0198 (PH
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 64
DS 0
SWE 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DW 50.000 usec
DE 6.50 usec
TE 298.0 K
D 1.50000000 sec
CDO 1
SFO1 500.3340026 MHz
NUC1 1H
P0 3.33 usec
P1 10.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.3300145 MHz
WDW EM
SS 0
LB 0.30 Hz
GB 0
PC 1.00

Israr/ Dr Khalid/ IUH-I-89a/ DMSO
 1H
 300K

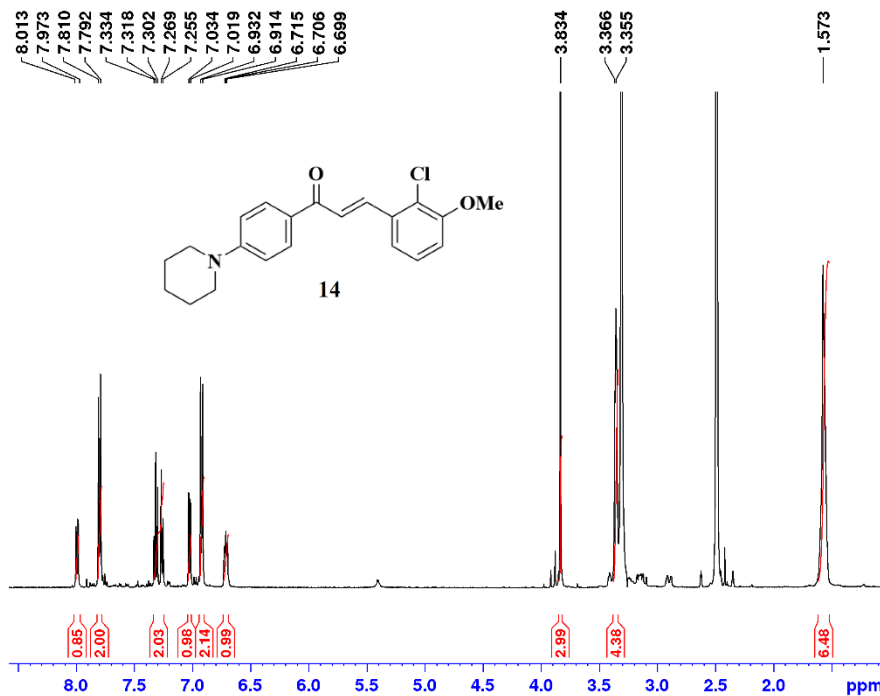


Current Data Parameters
 NAME Dec03-26
 EXPNO 8
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20251203
 Time 12.44 h
 INSTRUM AVNeo_400
 PROBED 28247_C04C (24)
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 64
 DS 0
 SWH 7812.500 Hz
 FIDRES 0.476837 Hz
 AQ 2.0971520 sec
 RG 101
 DW 64.000 usec
 DE 14.30 usec
 TE 298.0 K
 D1 1.50000000 sec
 CDO
 SFO1 399.9331994 MHz
 NUC1 1H
 P0 3.32 usec
 PL 9.95 usec
 PLW1 6.00000000 W

F2 - Processing parameters
 SI 65536
 SF 399.9300070 MHz
 NMR EH
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-149a/ DMSO
¹H-NMR

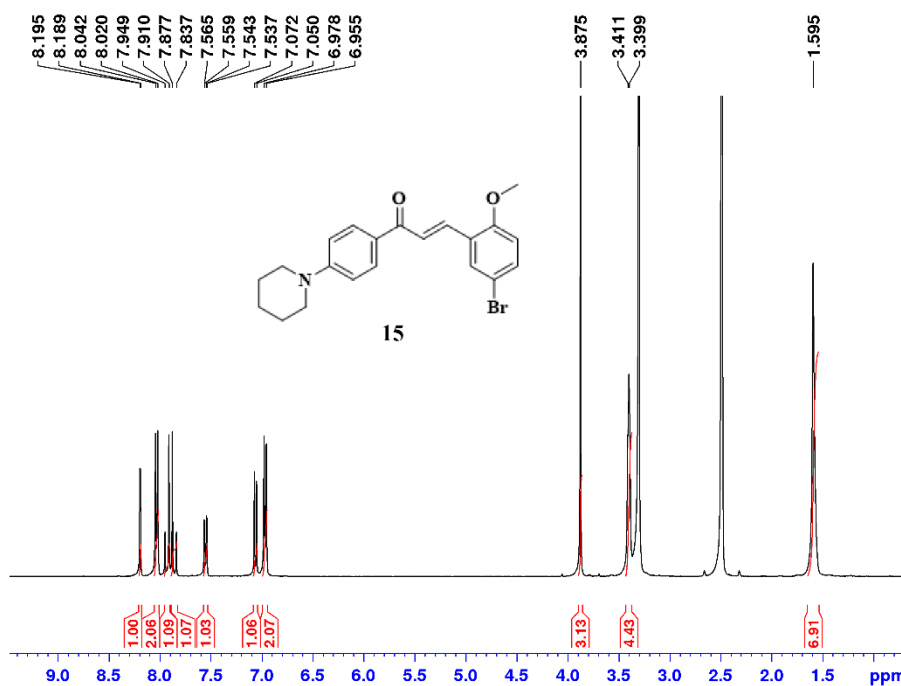


Current Data Parameters
NAME Dec28-20
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201228
Time 12.04 h
INSTRUM Avance Neo 500
PROBHD ZS107_0.198 (PH
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 64
DS 0
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
CW 50.000 usec
DE 6.50 usec
TE 298.2 K
D1 1.50000000 sec
TDC 1
SFO1 500.1340026 MHz
NUC1 1H
PC 3.13 usec
P1 10.00 usec
PLWL 10.0000000 W

F2 - Processing parameters
SI 16384
SF 500.1340026 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Faiza Saleem/Dr,Khalid/FAS-I-135a/Dmsd/
 1H
 300K

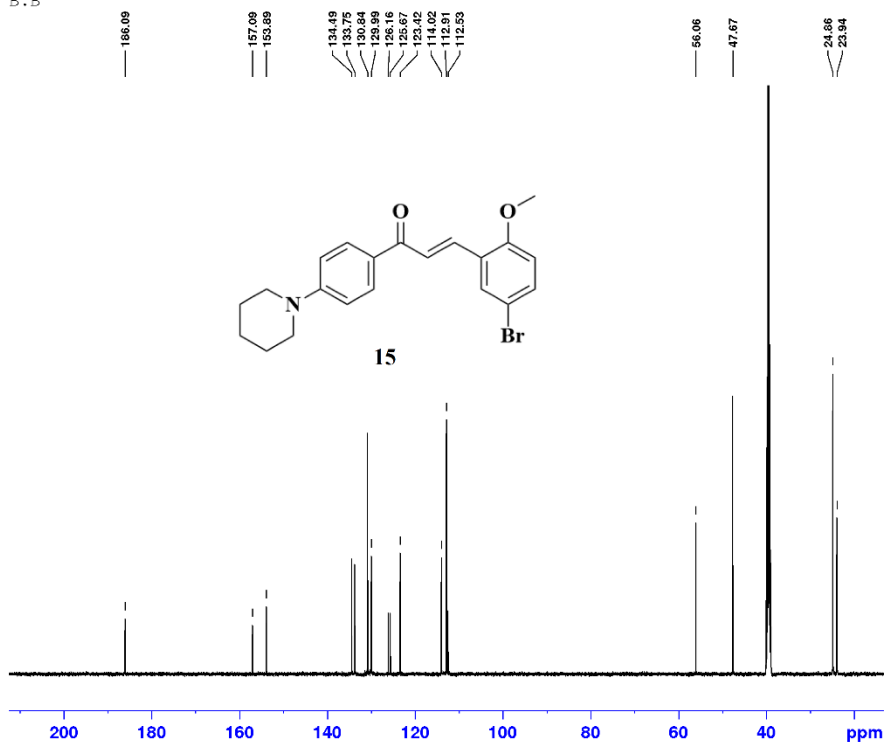


Current Data Parameters
 NAME Oct23-20
 EXPNO 3
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20201023
 Time 15.32 h
 INSTRUM AVNeo_400
 PROBRD Z8247_0040 (PE
 PULPROG zgpg
 TD 32768
 SOLVENT DMSO
 NS 32
 DS 0
 SWH 7812.500 Hz
 FIDRES 0.476837 Hz
 AQ 2.0971520 sec
 RG 101
 DM 64.000 usec
 DE 14.30 usec
 TE 300.0 K
 D1 2.00000000 sec
 TDC 1
 STOC 399.9331994 MHz
 NUC1 1H
 PC 3.32 usec
 P1 8.95 usec
 PL1 6.00000000 W

F2 - Processing parameters
 SI 65536
 SF 399.9300371 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

ISRARUL HAQ/DR.KHALID/IUH-I-97a/DMSO
B.B

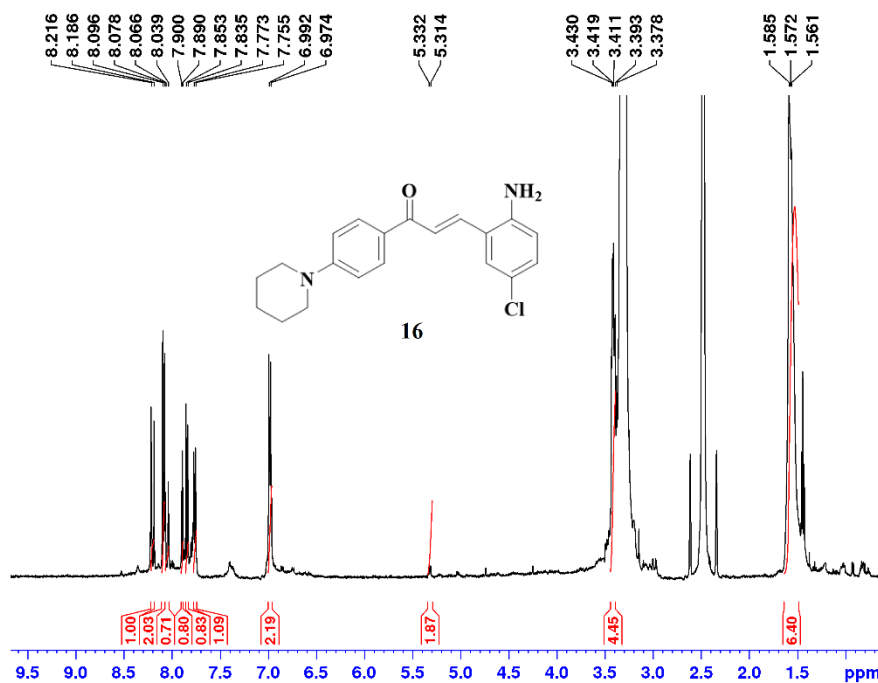


Current Data Parameters
NAME Dec24-20
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201225
Time 5.41 h
INSTRUM AVNeo500MHz
PROBHD Z859201_0007 (
PULPROG zgpg
TD 32768
SOLVENT DMSO
NS 18432
DS 4
SWH 30120.482 Hz
FIDRES 1.839408 Hz
AQ 0.5439488 sec
RG 101
DW 16.500 usec
DE 5.50 usec
TE 298.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TDC 18
SFOL 125.7722507 MHz
NUCL 13C
P1 15.00 usec
PLW1 119.40000153 W
SFO2 500.1320005 MHz
NUC2 1H
CPDPRG2 waltz165
PCPD2 80.00 usec
PLW2 17.96400070 W
PLW3 0.13754000 W
PLW4 0.06918100 W

F2 - Processing parameters
SI 32768
SF 125.7578513 MHz
WDW EM
SSB C
LB 1.00 Hz
GB C
PC 1.40

Israr-ul-Haq/ Dr Khalid/ IUH-I-93a/ DMSO
¹H-NMR

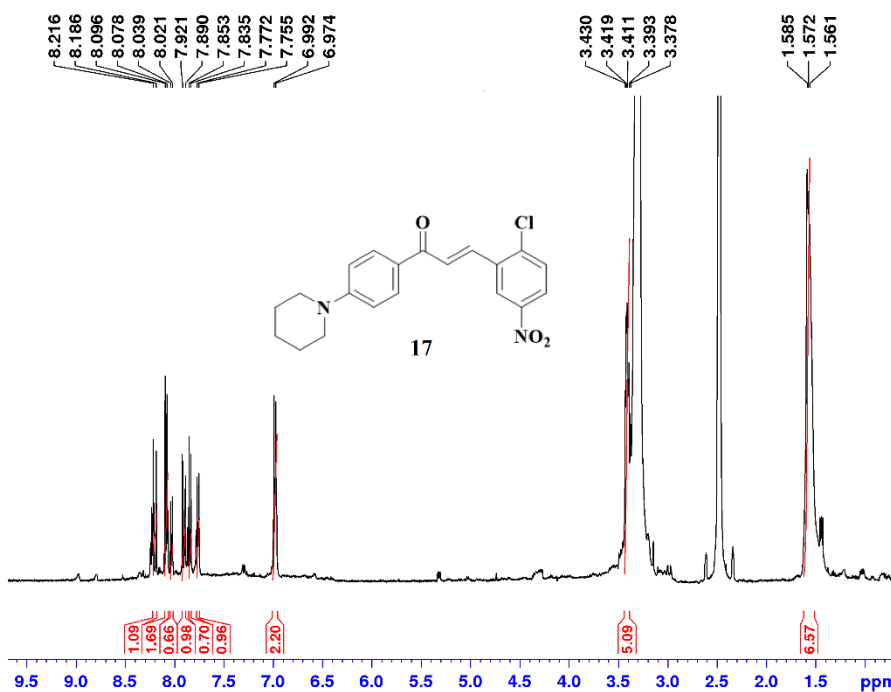


Current Data Parameters
NAME Dec08-20
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201208
Time 15.16 h
INSTRUM Avance Neo 500
PROBHD 28107_0198 (2H)
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 128
DS 0
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DM 50.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.50000000 sec
CDO 1
SFO1 500.3340026 MHz
NUC1 1H
P0 3.33 usec
P1 10.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.3300145 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-101a/ DMSO
¹H-NMR

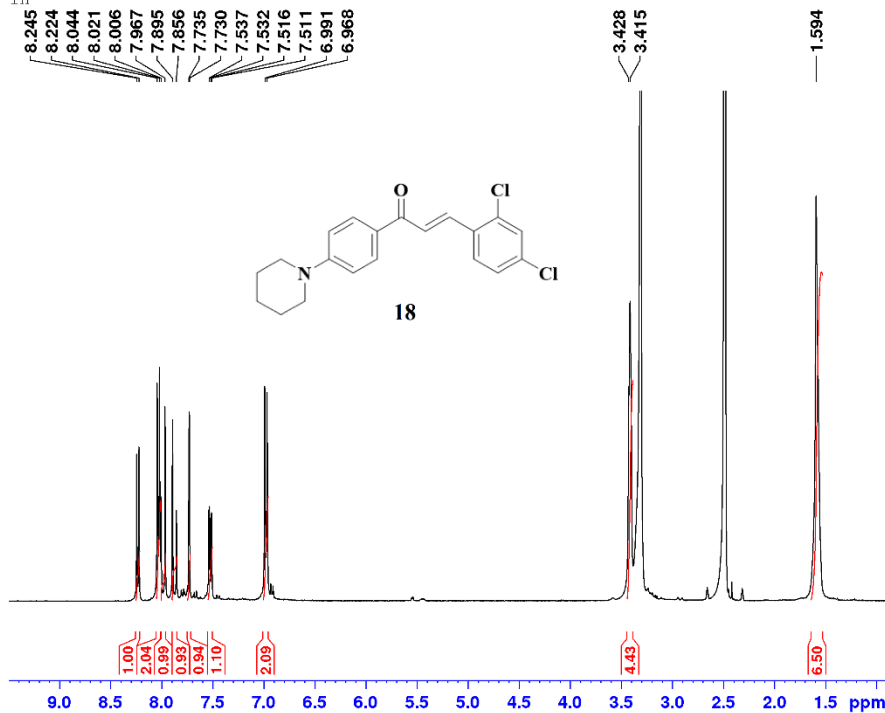


Current Data Parameters
NAME Dec08-20
EXFNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201208
Time 15.16 h
INSTRUM Avance Neo 500
PROBHD zgpg30 (PH
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 128
DS 4
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DW 50.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.50000000 sec
TDC 1
SFOL 500.3340026 MHz
NUCL 1H
PC 3.33 usec
PL 10.00 usec
PLWL 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.330145 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-117a/ DMSO
¹H

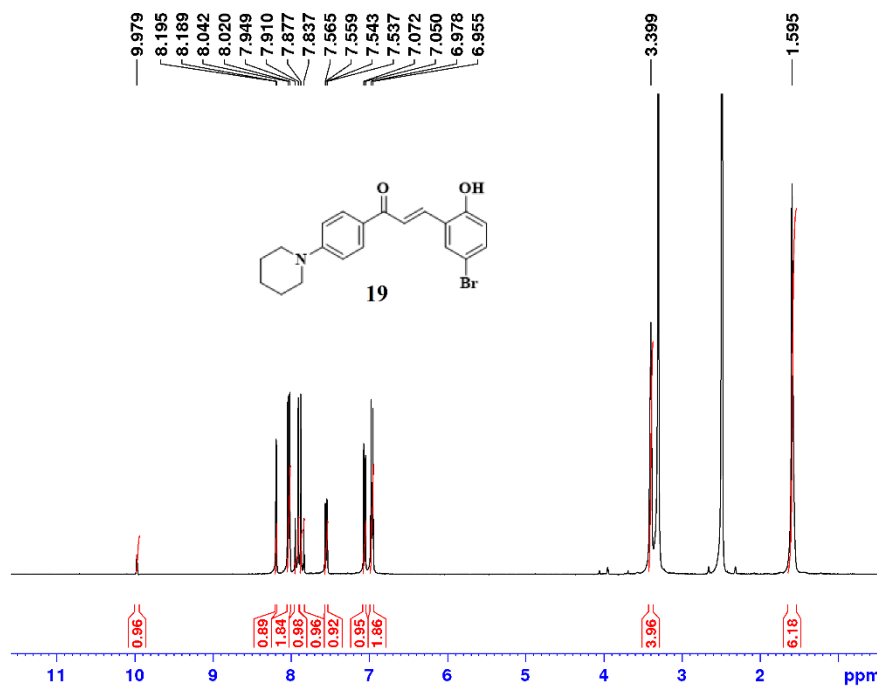


Current Data Parameters
NAME dec15-20
EXPNO 6
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201213
Time 14.52 h
INSTRUM AVNec_400
PROBHD zgpg30 (2H)
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 64
DS 0
SWH 7812.500 Hz
FIDRES 0.476837 Hz
AQ 2.0971520 sec
RG 101
DW 64.000 usec
DE 14.30 usec
TE 298.0 K
D1 2.0000000 sec
TD0 1
SFO1 399.9331994 MHz
NUC1 1H
FO 3.32 usec
PC 9.85 usec
PLW1 6.0000000 W

F2 - Processing parameters
SI 65536
SF 399.9300071 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Faiza Saleem/Dr,Khalid/FAS-I-145a/Dmsd/
 1H
 300K

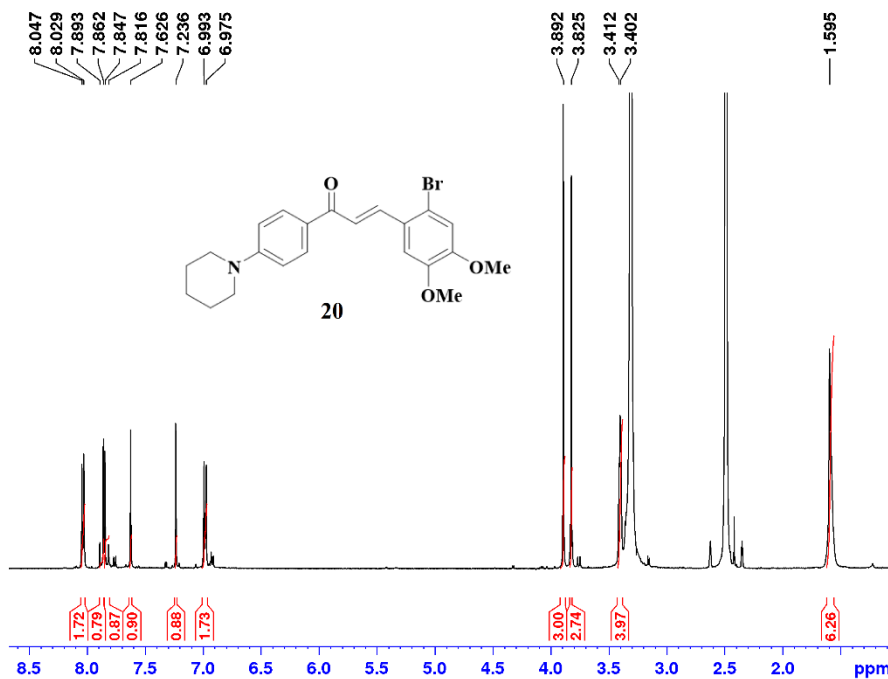


Current Data Parameters
 NAME Oct23-20
 EXPNO 8
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20201023
 Time 15.32 h
 INSTRUM AVNec_400
 PROBHD 28247_0040 (PE)
 PULPROG zg30
 ID 32768
 SOLVENT DMSO
 NS 32
 DS 4
 SWH 7812.500 Hz
 FIDRES 0.476837 Hz
 AQ 2.0971520 sec
 RG 600
 DW 64.000 usec
 DE 14.30 usec
 TE 300.0 K
 D1 2.00000000 sec
 TDC 1
 SFO1 399.9331994 MHz
 NUCL1 1H
 PC 3.32 usec
 P1 9.95 usec
 PLW1 6.00000000 W

F2 - Processing parameters
 SI 65536
 SF 399.9330071 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-151a/ DMSO
¹H-NMR

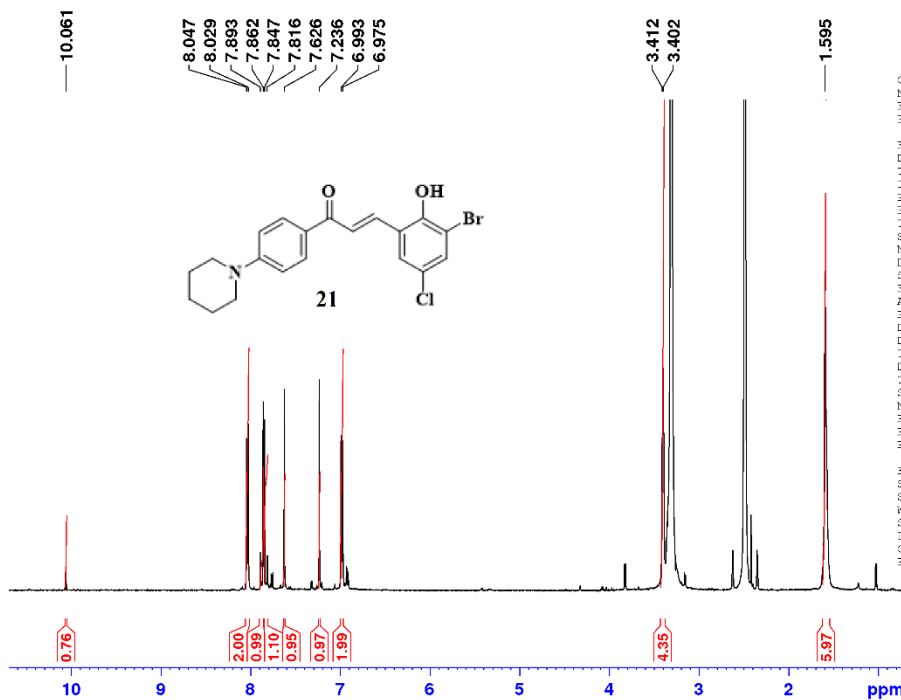


Current Data Parameters
NAME Dec28-20
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201228
Time 12.13 h
INSTRUM Avance Neo 500
PROBHD zg30
ID 32768
SOLVENT DMSO
NS 64
DS 2
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 128
DW 50.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.5000000 sec
TD 1
SFO1 500.3340025 MHz
NUC1 1H
PC 3.33 usec
P1 10.00 usec
PLW 10.0000000 W

F2 - Processing parameters
SI 16384
SF 500.3300090 MHz
WDW EX
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-115a/ DMSO
¹H-NMR

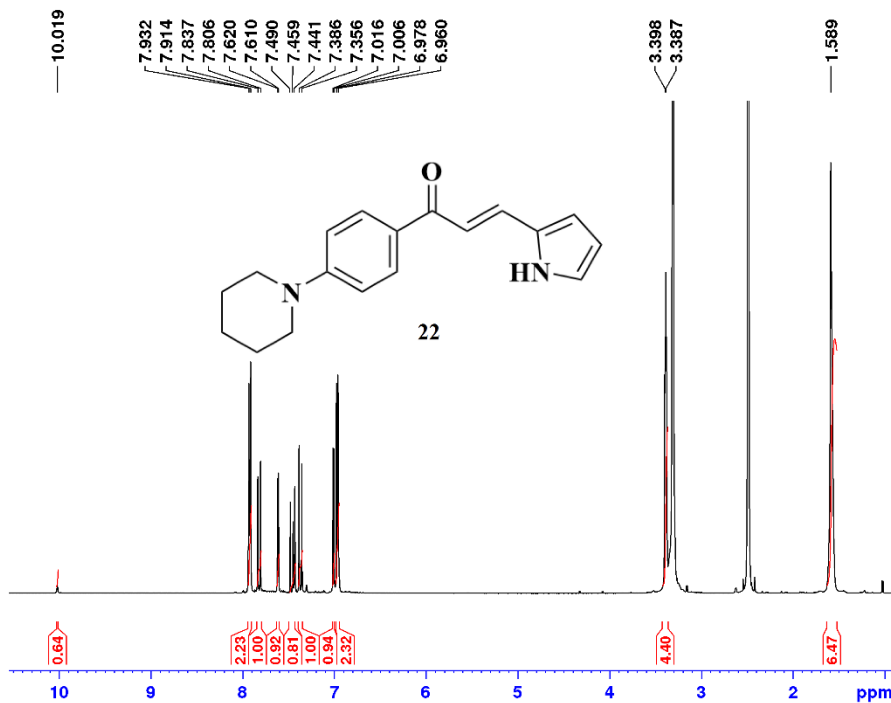


Current Data Parameters
NAME Dec28-20
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201228
Time 12.13 h
INSTRUM Avance Neo 500
PROBHD zgpg30 (PH)
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 64
DS 0
SWE 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DW 50.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.50000000 sec
D10 -
SFO1 500.3340026 MHz
NUC1 1H
P1 3.33 usec
PC 10.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.3300090 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-125a/ DMSO
¹H-NMR

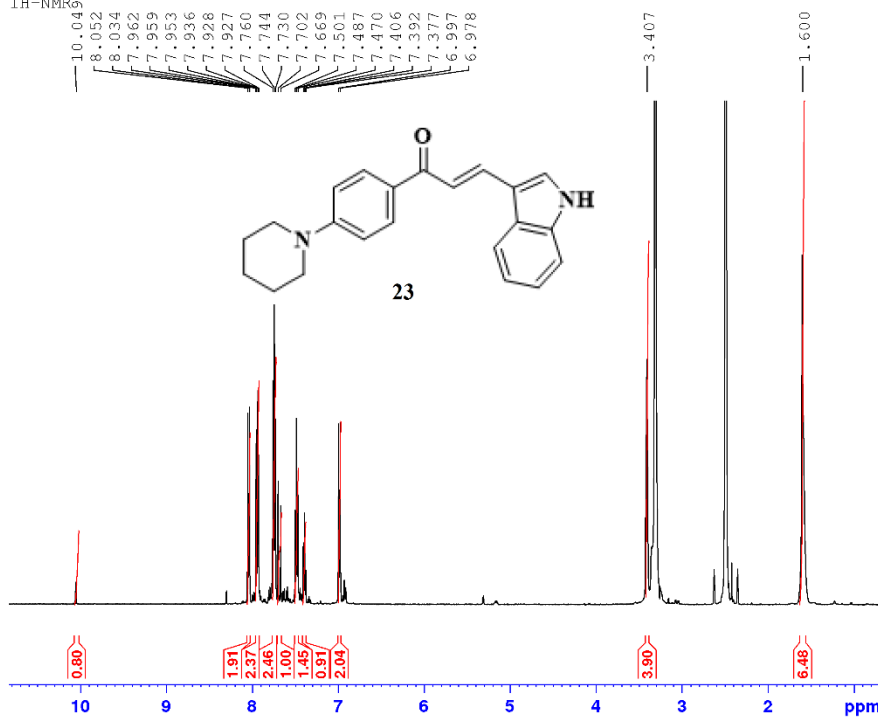


Current Data Parameters
 NAME: Dec28-20
 EXPNO: 4
 PROCNO: 1

F2 - Acquisition Parameters
 Date_: 20201228
 Time: 12.28 h
 INSTRUM: Avance Neo 500
 PROBED: 28107_0198 (PH)
 PULPROG: zg30
 TD: 32768
 SOLVENT: DMSO
 NS: 128
 DS: 0
 SWE: 10000.000 Hz
 FIDRES: 0.610352 Hz
 AQ: 1.6384000 sec
 RG: 101
 DW: 50.000 usec
 DE: 6.50 usec
 TE: 298.0 K
 D0: 1.50000000 sec
 L0: 1
 SFO1: 500.3340026 MHz
 NUCL1: 1H
 P0: 3.33 usec
 PL: 10.00 usec
 PLW1: 10.00000000 W

F2 - Processing parameters
 SI: 16384
 SF: 500.3300090 MHz
 WDW: EM
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-133a/ DMSO
1H-NMR

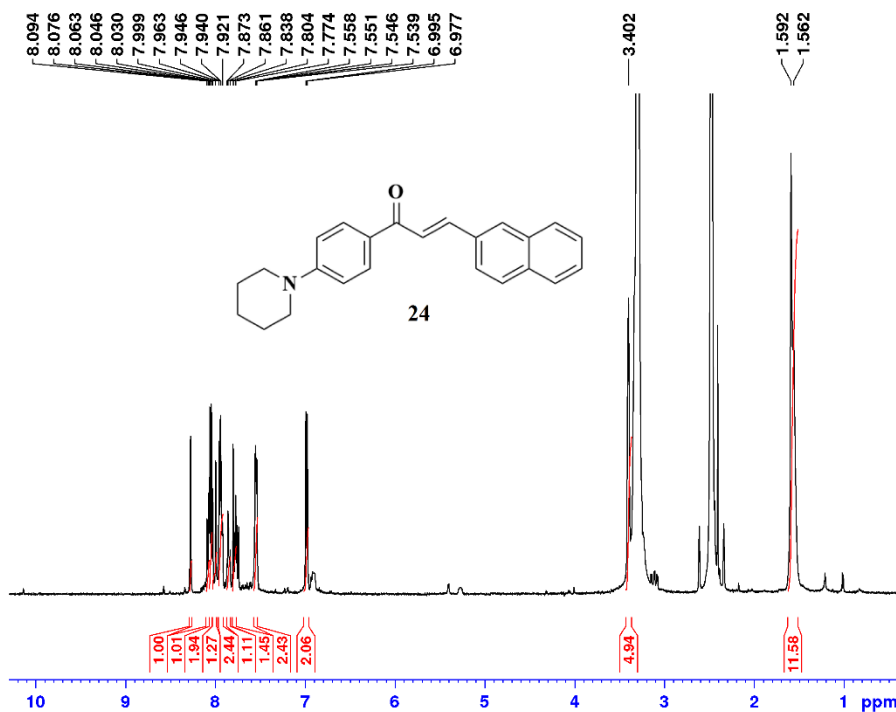


Current Data Parameters
NAME Dec24-2023
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201224
Time 16.06 h
INSTRUM Avance Neo 500
PROBHD Z8LC7_C198 (PE
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 128
DS 0
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DM 50.000 usec
DE 6.50 usec
TE 298.2 K
D1 1.50000000 sec
TDC 1
SFO1 500.3340026 MHz
NUC1 1H
PC 3.33 usec
PI 10.00 usec
PL1 10.0000000 W

F2 - Processing parameters
SI 6384
SF 500.3300090 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-131a/ DMSO
1H-NMR

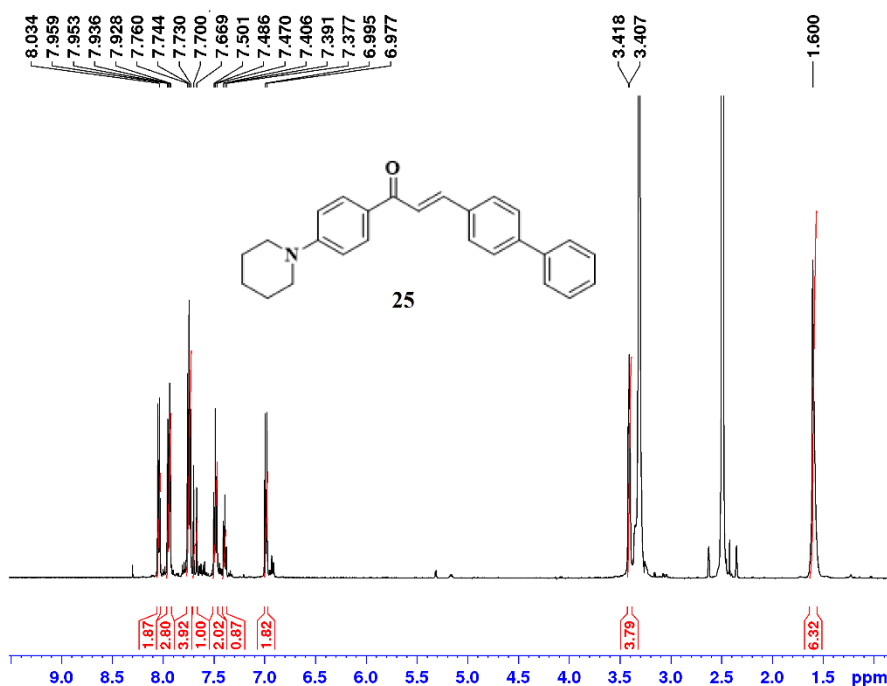


Current Data Parameters
NAME Dec08-20
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201208
Time 15.48 h
INSTRUM Avance Neo 500
PROBHD ZB107_0198 (2H
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 64
DS 0
SWE 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DW 50.000 usec
DE 6.50 usec
TE 298.0 K
DL 1.50000000 sec
ID0 1
ST01 500.3340026 MHz
NUC1 1H
P0 3.33 usec
PL 10.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.3300145 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-111a/ DMSO
¹H-NMR

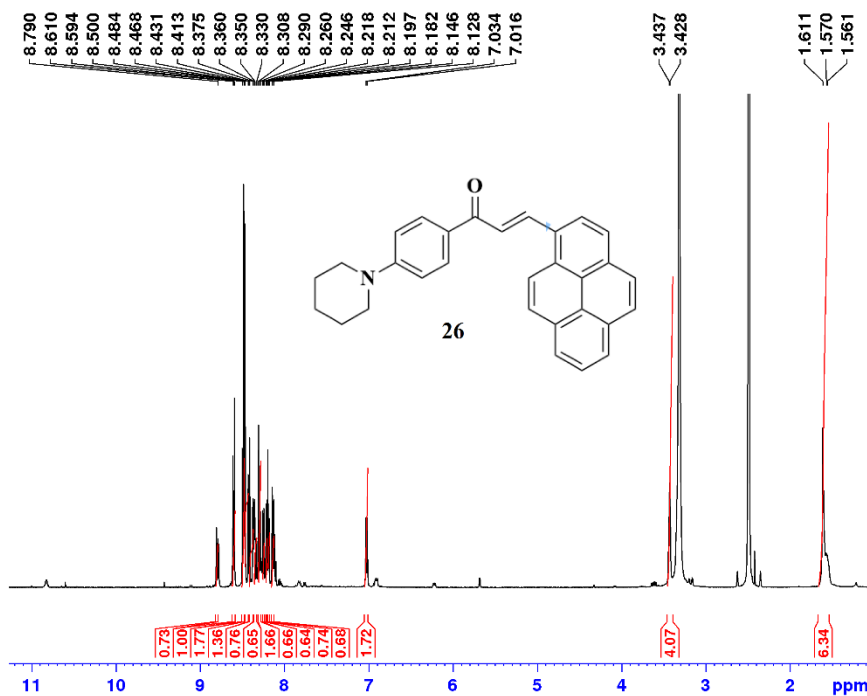


Current Data Parameters
NAME Dec24-2020
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201224
Time 16.06 h
INSTRUM Avance Neo 500
PROBHD zgpg30 (ZH)
PULPROG zgpg30
ID 32768
SOLVENT DMSO
NS 128
DS 4
SWH 10500.000 Hz
FIDRES 0.610332 Hz
AQ 1.6384000 sec
RG 100
DW 50.500 usec
DE 6.50 usec
TE 299.0 K
D1 1.50020000 sec
IDC 1
SFOL 500.3340026 MHz
NUC1 1H
PC 3.33 usec
P1 10.00 usec
PLW1 10.0000000 W

F2 - Processing parameters
SI 16384
SF 500.3300090 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr-ul-Haq/ Dr Khalid/ IUH-I-129a/ DMSO
1H-NMR

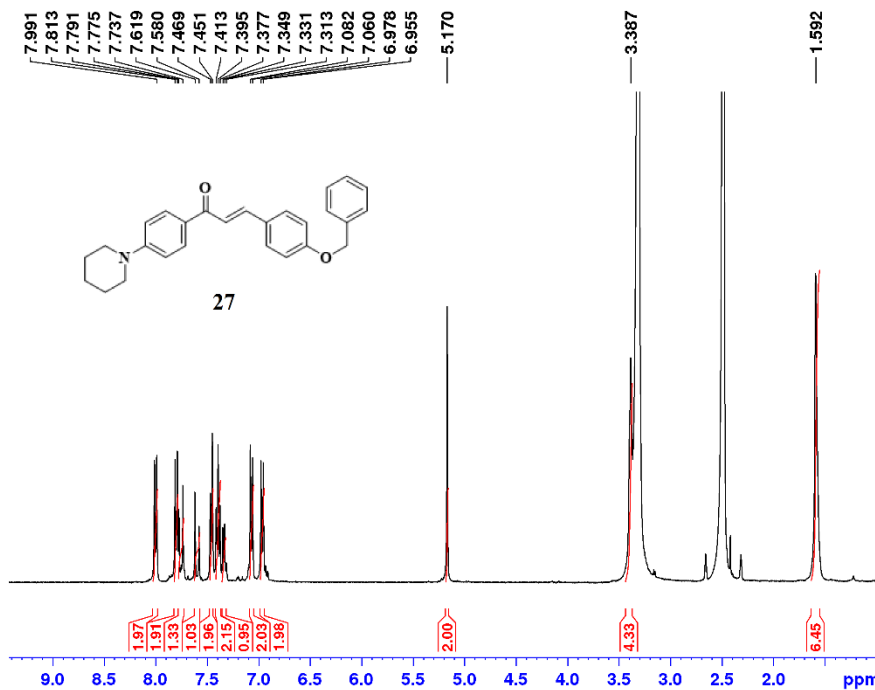


Current Data Parameters
NAME Dec28-20
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201228
Time 11.51 h
INSTRUM Avance Neo 500
PROBHD Z8107_0198 (FH
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 128
DS 0
SWH 10000.506 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DN 50.000 usec
DE 6.50 usec
TE 298.0 K
DC 1.50000000 sec
TDO -
SFO1 500.1340026 MHz
NUC1 13
PC 3.33 usec
PL 10.00 usec
PLW1 10.00000000 W

F2 - Processing parameters
SI 16384
SF 500.1300092 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Israr/ Dr Khalid/ IUH-I-91a/ DMSO
¹H
 300K

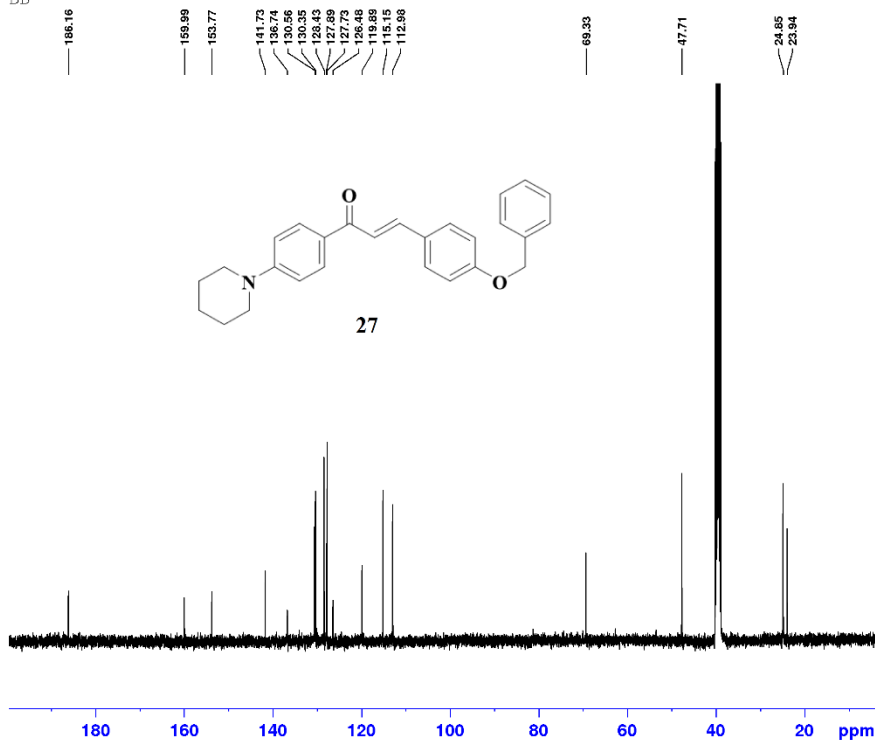


Current Data Parameters
 NAME Dec03-20
 EXPNO 9
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20201203
 Time 13.00 h
 INSTRUM AVNuc-400
 PROBHD zg30 (P)
 PULPROG zg30
 ID 32768
 SOLVENT DMSO
 NS 128
 DS 4
 SMH 7812.500 Hz
 FIDRES 0.476837 Hz
 AQ 2.0971520 sec
 RG 655
 SW 64.000 usec
 DE 14.30 usec
 IE 299.6 K
 D1 1.50000000 sec
 IDC 1
 SFO1 399.9301994 MHz
 NUCL 1H
 PC 3.32 usec
 P1 9.93 usec
 PLW1 6.00000000 W

F2 - Processing parameters
 SI 65536
 SF 399.930070 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

ISRAR-UL-HAQ/DR. KHALID/IUH-I-91a/DMSO
BB

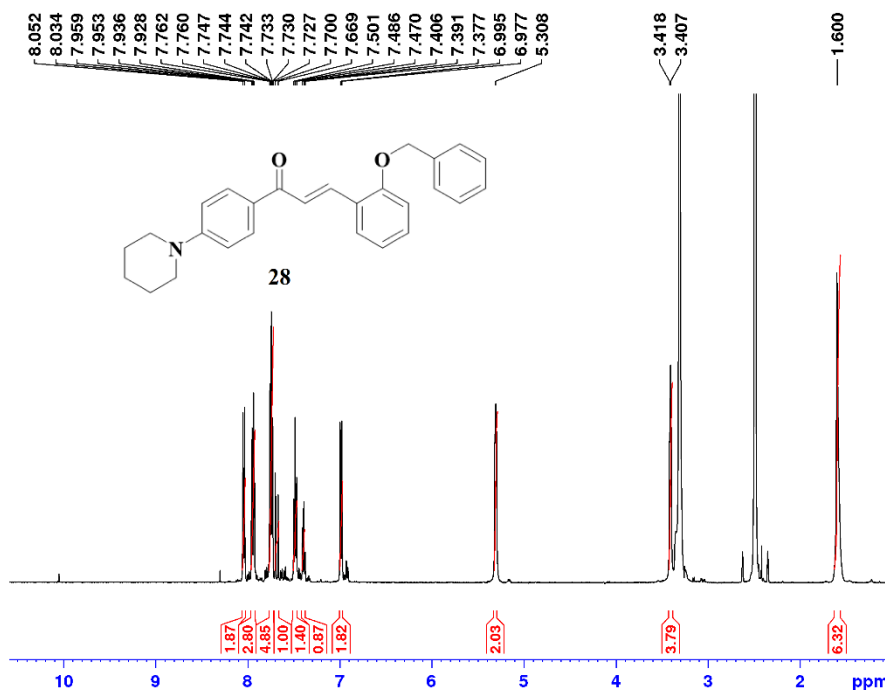


Current Data Parameters
NAME Dec27-20
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201228
Time 0.27 h
INSTRUM Avance NEO 400MHz
PROBHD Z1-4854_0013 (4
PULPROG zgpg
ID 32768
SOLVENT DMSO
NS 16384
DS 8
SWH 23829.523 Hz
FIDRES 1.453218 Hz
AQ 0.6881280 sec
RG 23.4375
DW 21.000 usec
DE 9.50 usec
TE 300.2 K
D1 2.30200000 sec
D11 0.03200000 sec
TD 16
SFO1 100.6243395 MHz
NUC1 13C
P1 10.00 usec
PLW1 56.4300030 W
SFO2 400.136005 MHz
NUC2 1H
CPDPRG2 waltz165
PCPD2 90.00 usec
PLW2 13.2130030 W
PLW12 0.31972000 W
PLW13 0.16080999 W

F2 - Processing parameters
SI 32768
SF 100.6243395 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Israr-ul-Haq/ Dr Khalid/ IUH-I-165a/ DMSO
1H-NMR



Current Data Parameters
NAME Dec24-2020
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201224
Time 16.06 h
INSTRUM Avance Neo 500
PROBHD Z8107_0198 (PH
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 128
DS 0
SWH 10000.000 Hz
FIDRES 0.610352 Hz
AQ 1.6384000 sec
RG 101
DW 50.000 usec
DE 6.50 usec
TE 298.0 K
D1 1.5000000 sec
TDO -
SFO1 500.3340026 MHz
NUC1 1H
FO 3.33 usec
PI 10.00 usec
PL1 10.0000000 W

F2 - Processing parameters
SI 16384
SF 500.3300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00