

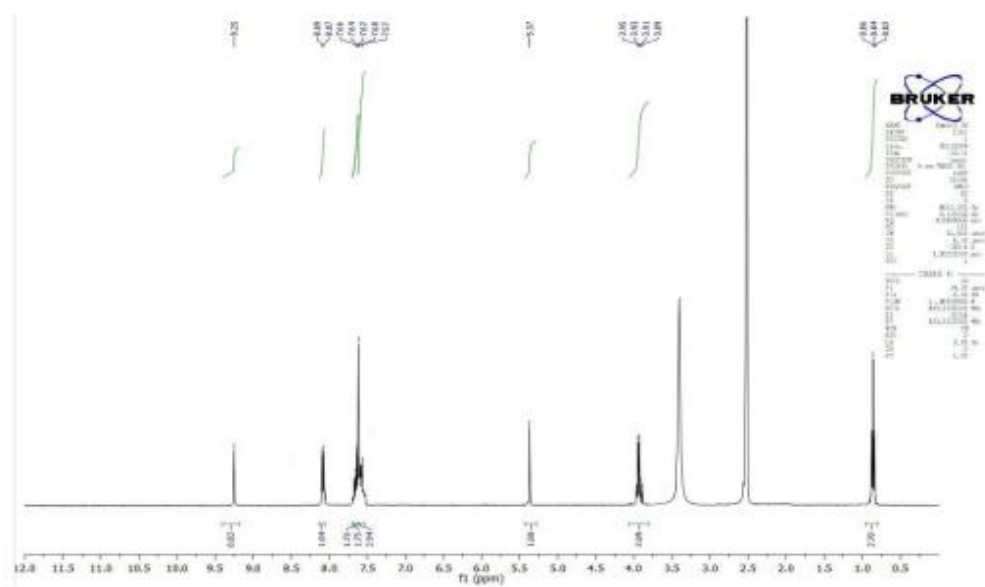
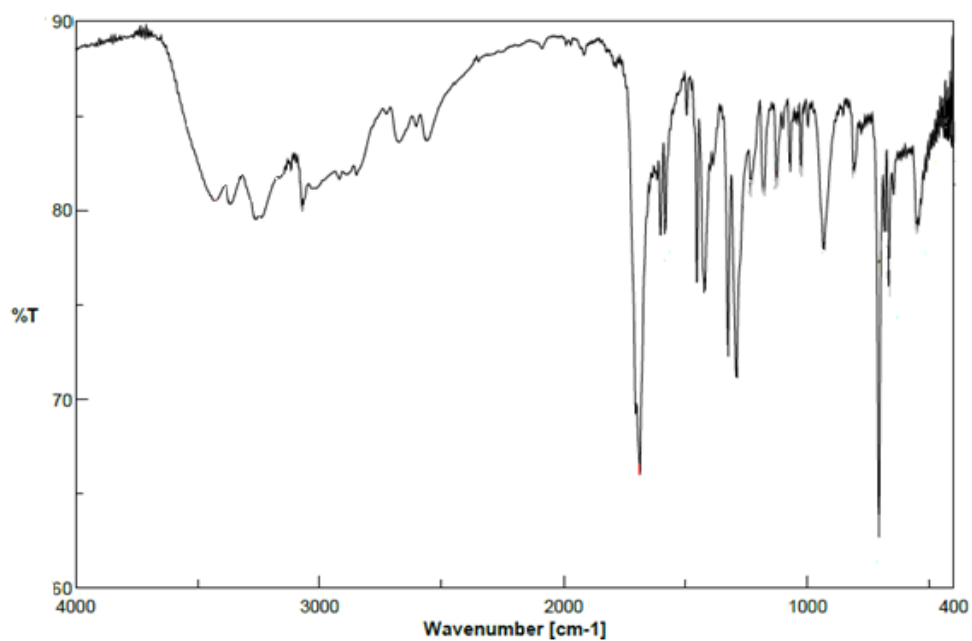
Supporting Information

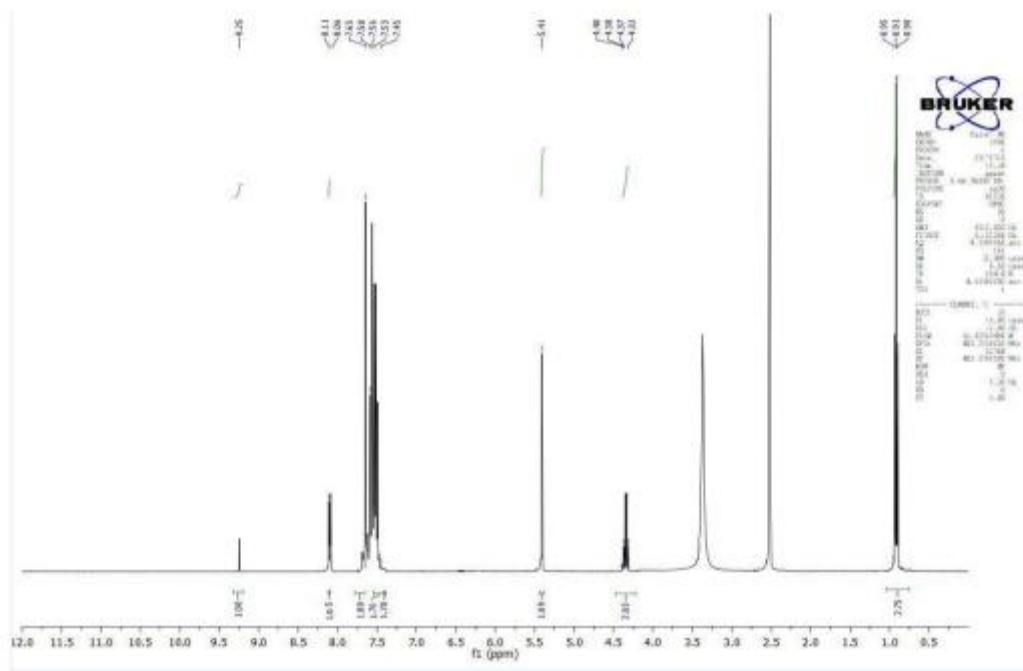
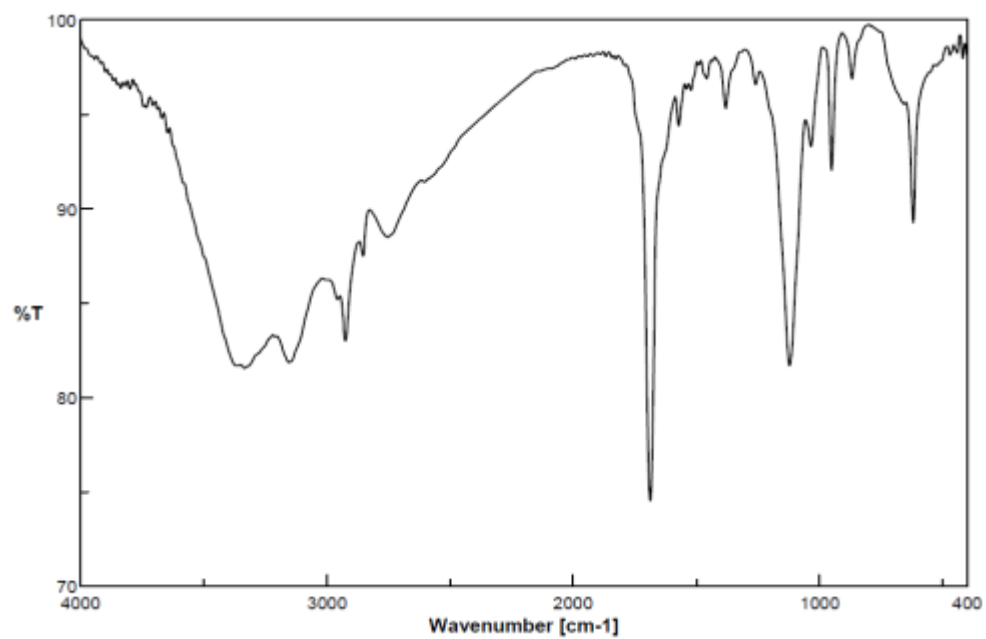
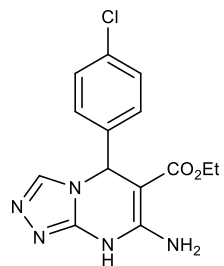
Ionic Liquid Supported on Magnetic Graphen Oxide as a Highly Efficient and Stable Catalysts for the Synthesis of Triazolopyrimidines

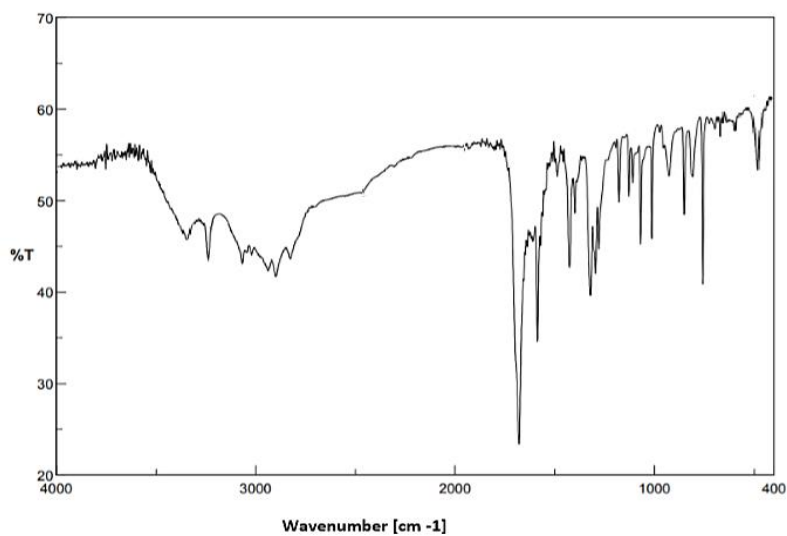
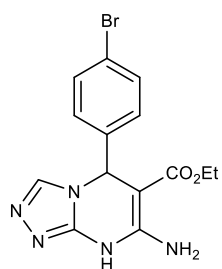
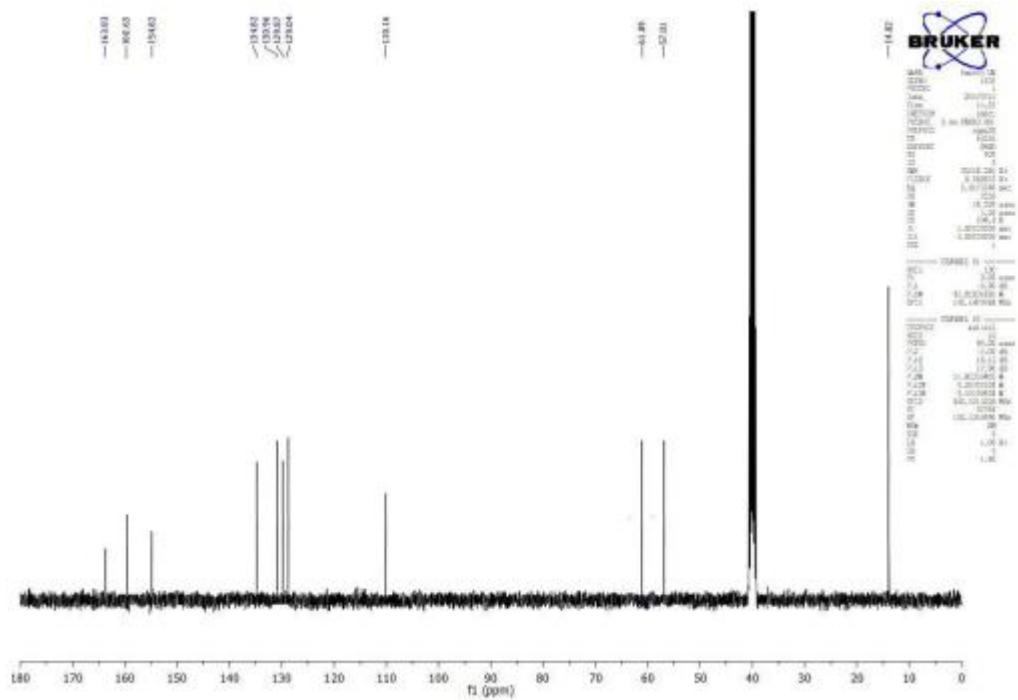
Azar Jahanbakhshi, Yeganeh Aghajani and Mahnaz Farahi*

Department of Chemistry, Yasouj University, Yasouj 75918-74831, Iran

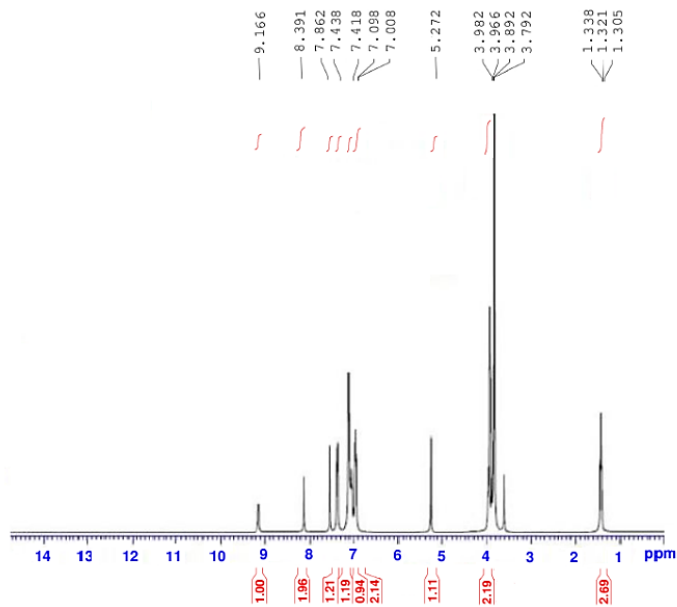
Email: farahimb@yu.ac.ir







Activate Window

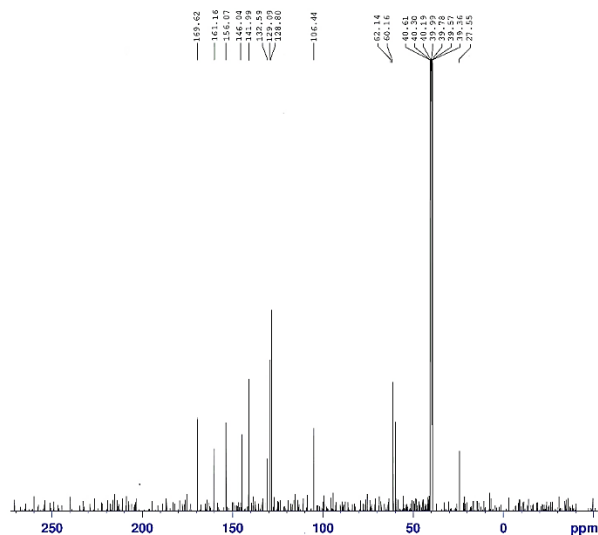


Current Data Parameters
NAME other
EXPNO 168
PROCNO 1

F2 - Acquisition Parameters
Date_ 20181103
Time 9.43
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg
TD 16384
SOLVENT DMSO
NS 40
DS 0
SWH 6265.664 Hz
FIDRES 0.382436 Hz
AQ 1.3074932 sec
RG 32
DM 79.800 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 9.00 usec
PL1 3.00 dB
SFO1 250.1322512 MHz

F2 - Processing parameters
SI 32768
SF 250.1300000 MHz
WDW EM
SSB 0
LB 0.50 Hz
GB 0
PC 1.00

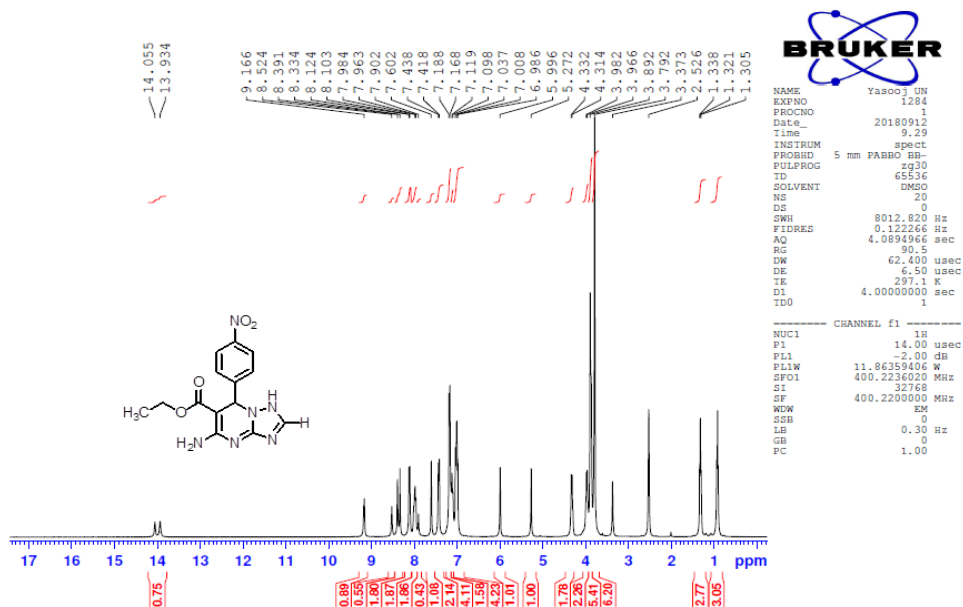
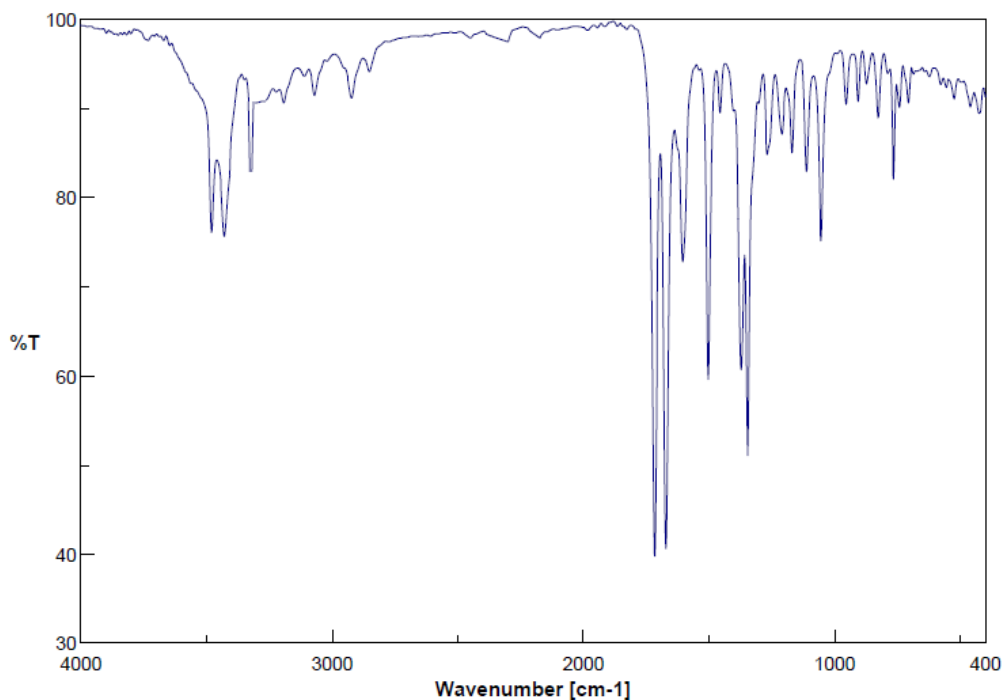
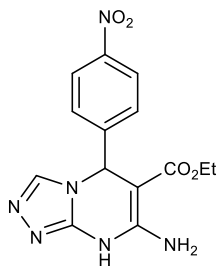


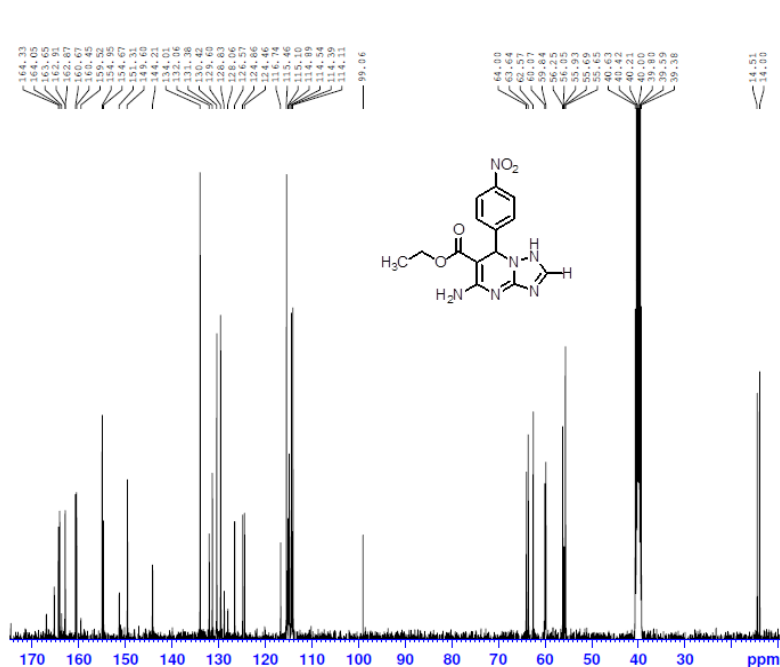
Current Data Parameters
NAME other
EXPNO 168
PROCNO 1

F2 - Acquisition Parameters
Date_ 20181103
Time 9.43
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg
TD 16384
SOLVENT DMSO
NS 40
DS 0
SWH 6265.664 Hz
FIDRES 0.382436 Hz
AQ 1.3074932 sec
RG 32
DM 79.800 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 9.00 usec
PL1 3.00 dB
SFO1 250.1322512 MHz

F2 - Processing parameters
SI 32768
SF 250.1300000 MHz
WDW EM
SSB 0
LB 0.50 Hz
GB 0
PC 1.00





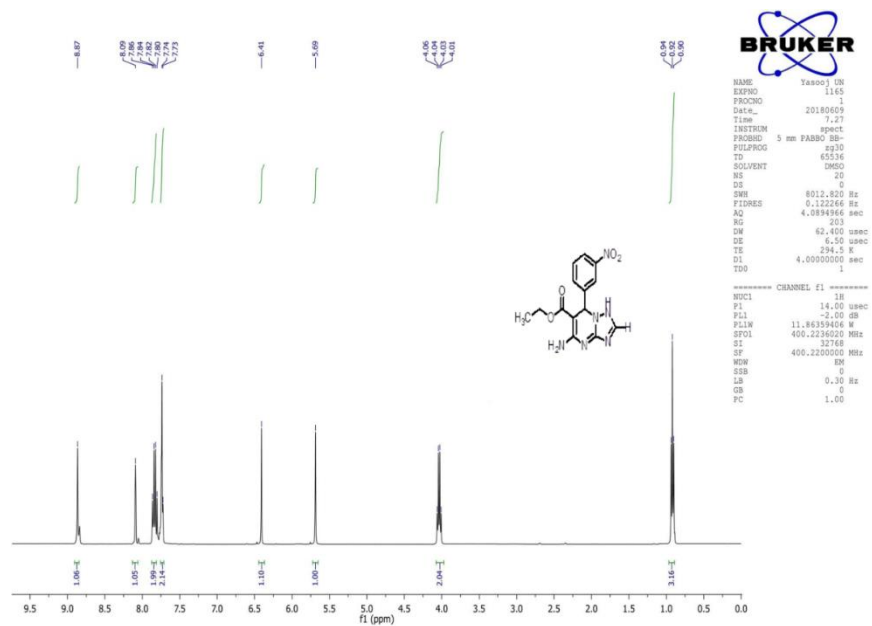
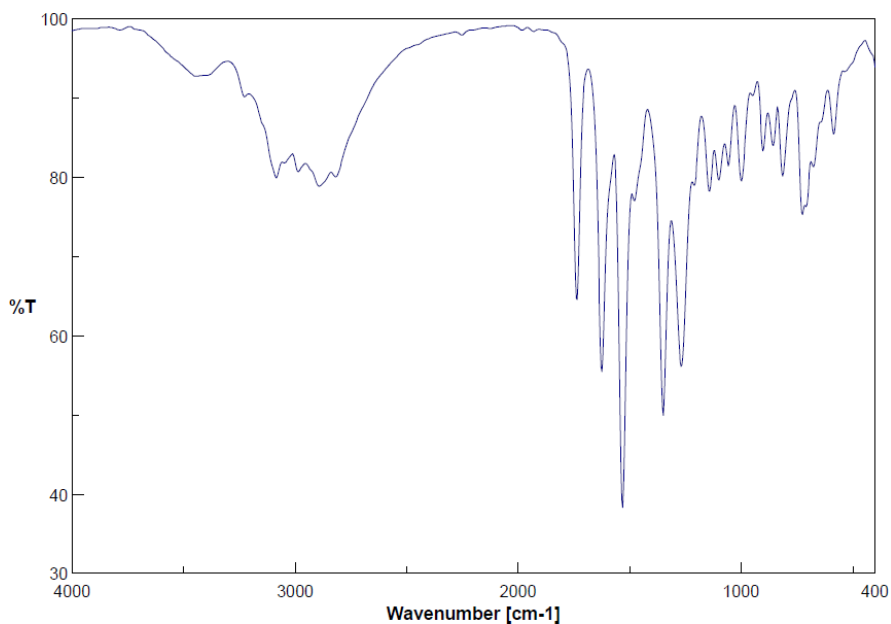
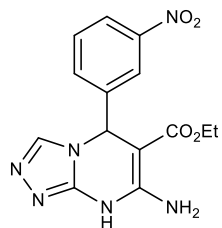
BRUKER

```

NAME      Yaso01 UN
EXPNO     1285
PROCNO    1
Date_     20180912
Time      9.33
INSTRUM    spect
PROBHD     5 mm PABBO BB-
PULPROG    zgpg30
TD          65536
SOLVENT    DMSO
NS          893
DS          0
SWH         35714.285 Hz
FIDRES     0.544957 Hz
AQ          0.9175540 sec
RG          2050
DW          14.000 usec
DE          6.50 usec
TE          297.4 K
D1          1.00000000 sec
D11         0.03000000 sec
TD0         1

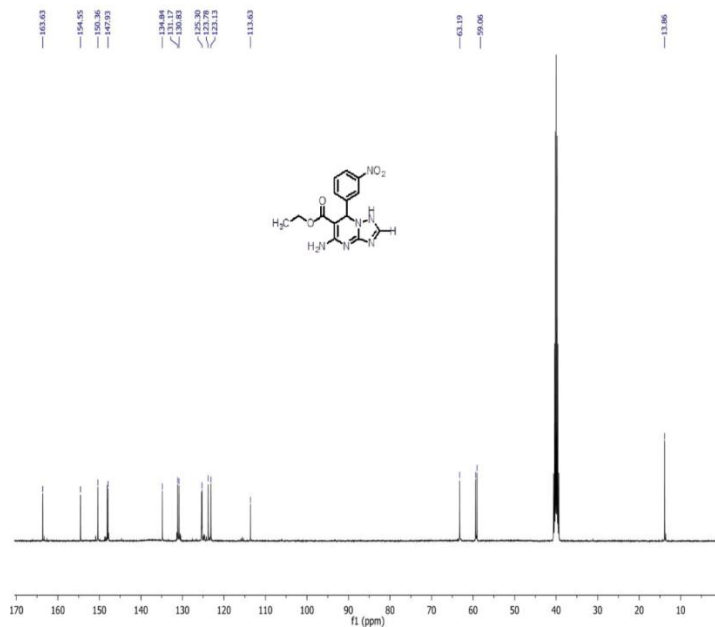
----- CHANNEL f1 -----
NUC1       13C
P1          9.00 usec
PL1        -0.90 dB
PL1W       42.02801895 W
SFO1       100.6479784 MHz

----- CHANNEL f2 -----
CPDPRG2    waltz16
NUC2        1H
PCPD2       90.00 usec
PL2         -2.00 dB
PL12        14.16 dB
PL13        17.90 dB
PL2W       11.86359406 W
PL12W       0.28722104 W
PL13W       0.12139934 W
SFO2       400.2216009 MHz
SI          32768
SF         100.6353990 MHz
WDW         EM
SSB          0
LB          1.00 Hz
GB           0
PC           1.30
  
```



NAME Yaseo J UN
EXPNO 1145
PROCNO 1
Date_ 20180609
Time 7.27
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
DS 20
DE 0
SWH 8012.820 Hz
F2IDRES 0.122246 Hz
AQ 4.0894966 sec
RG 203
DM 62.400 usec
DE 6.50 usec
TE 294.2 K
D1 4.00000000 sec
TDS 4

===== CHANNEL f1 =====
NUC1 1H
P1 14.00 usec
PL1 -2.00 dB
PL1W 11.86359466 W
SFO1 400.2236020 MHz
SI 32768
SF 400.2200000 MHz
WDW Hanning
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

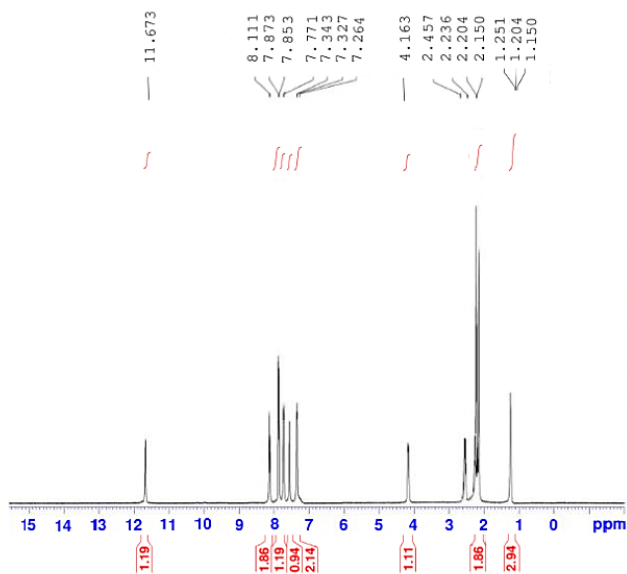
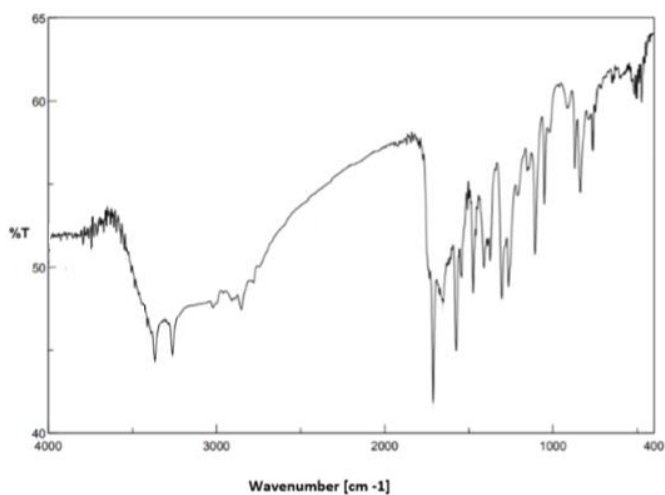
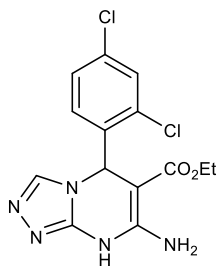


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NAME       TMS001 UN
EXPNO      1
PROCNO     1
Date_      20180609
Time       20.05
INSTRUM    spect
PROBHD     5 mm PABBO BB-
PULPROG    zgpg30
TD         65536
SOLVENT    DMSO
NS         4451
DS         0
SWH         35714.285 Hz
F2RES      0.344957 Hz
AQ         0.9175540 sec
RG         2050
CW         14.000 usec
DE         6.50 usec
TE         298.1 K
D1         1.00000000 sec
D11        0.03000000 sec
TD0        1

===== CHANNEL f1 =====
NUC1        13C
P1          5.00 usec
PL1         -0.50 dB
PL1W        42.02801895 W
SFO1        100.6479784 MHz

===== CHANNEL f2 =====
CPDPRG2    waltz16
NUC2        1H
P2          90.00 usec
PL2         -2.00 dB
PL12        14.16 dB
PL13        17.90 dB
PL1W        11.86359406 W
PL12W       0.28722104 W
PL13W       0.121199934 W
SFO2        400.2216009 MHz
SI          32768
SF          100.6353990 MHz
WDW         EM
SSB         0
LB          1.00 Hz
GB          0
PC          1.40
  
```



Current Data Parameters
NAME other
EXPNO 169
PROCNO 1

F2 - Acquisition Parameters
Date_ 20181103
Time 9.58
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg
TD 16384
SOLVENT DMSO
NS 40
DS 0
SWH 6265.664 KHz
FIDRES 0.382426 KHz
AQ 1.3074932 sec
RG 32
DW 79.800 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 9.00 usec
PL1 3.00 dB
SFO1 250.1320912 MHz

F2 - Processing parameters
SI 32768
SF 250.1300000 MHz
WDW EU
SSB 0
LB 0.50 KHz
GB 0
PC 1.00



```

Current Data Parameters
=====
NAME          other
TYPE          INT
PRECISION     1

P1 - Acquisition Parameters
=====
NAME          VALUE
=====
INSTRUMENT     spect
PROBHD         5 mm BBO
PULPROG        zgpg30
PCPDPRG        4000
SOLVENT        DMSO
NS              11000
DS              4
SW              18545.411 Hz
F2             6.25000000 MHz
AQ              1.1789451 sec
RG              32
AQ              32.2000000 sec
RG              32.2000000 sec
TE              300.2 K
AQ              0.010000000 sec
RG              0.010000000 sec
RG              0.010000000 sec

===== CHANNEL f1 =====
NAME          VALUE
=====
NUC1           13
P1              10.000000 sec
RG              10.000000 sec
GPR1           62.91341690 MHz

===== CHANNEL f2 =====
NAME          VALUE
=====
CPDPRG1        waltz16
NUC2           15
P2              80.000000 sec
RG              80.000000 sec
P2              80.000000 sec
RG              80.000000 sec
GPR2           250.13200041 MHz

P2 - Processing Parameters
=====
NAME          VALUE
=====
X1             377674
G1              62.91341690 MHz
NUC1           13
IS              1.5
LB              6.00 MHz
GB              1.43

```

