

Synthesis of a novel dendrimer core of oxo-vanadium phthalocyanine magnetic nano particles: as an efficient catalyst for the synthesis of 3,4-Dihydropyrano[c]chromenes derivatives under green condition

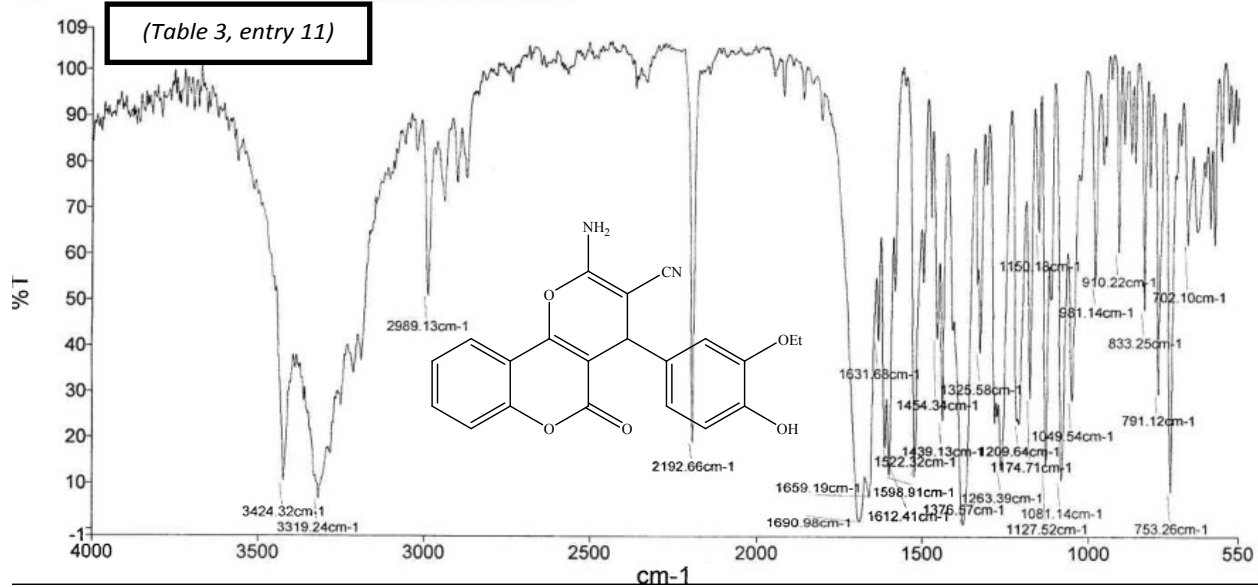
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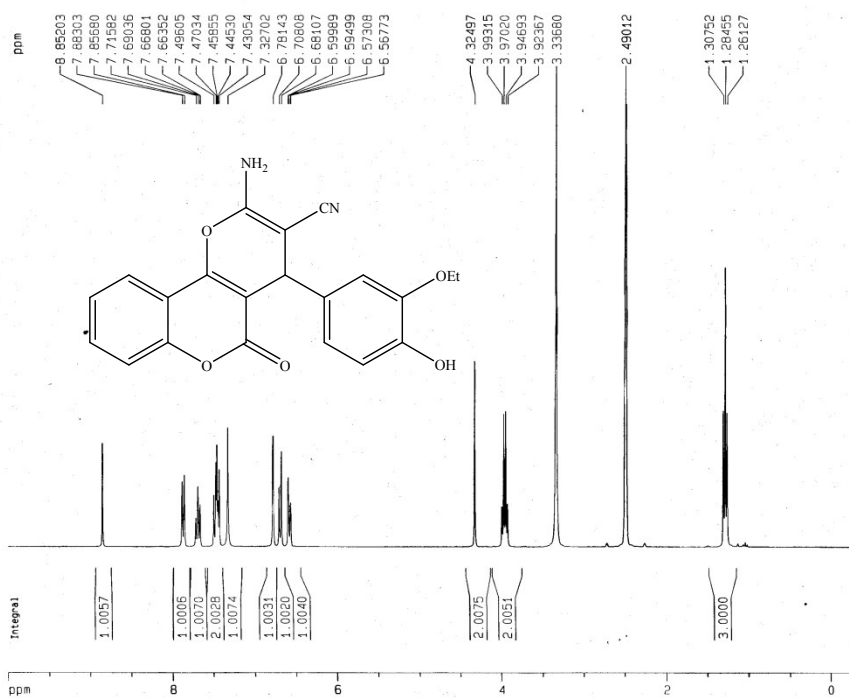
Analyst
Date

Administrator
Monday, May 25, 2015 3:51 PM



(Table 3, entry 11)

CHR7 Dr. Zolfigol



Current Data Parameters
NAME hamedan
EXPNO 362
PROCNO 1

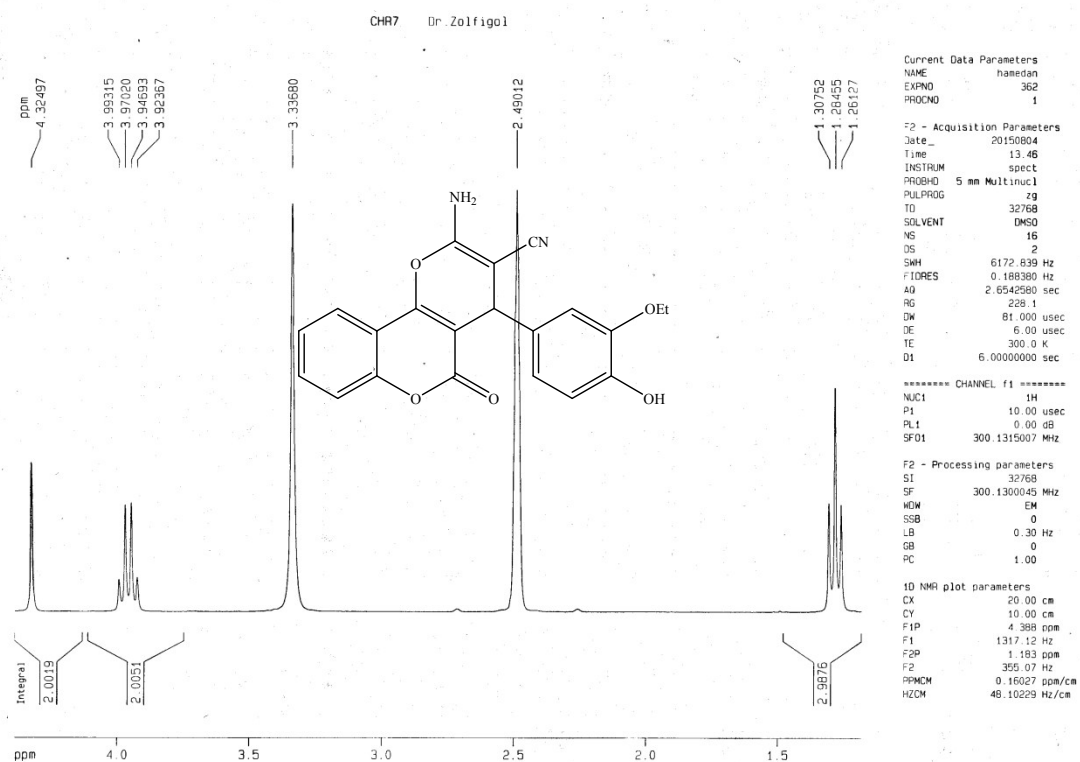
F2 - Acquisition Parameters
Date_ 20150804
Time 13.46
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg
TD 32768
SOLVENT DMSO
NS 16
DS 2
SWH 6172.839 Hz
FIDRES 0.188380 Hz
AQ 2.6542580 sec
RG 228.1
DM 81.000 usec
DE 6.00 usec
TE 300.0 K
D1 6.00000000 sec

***** CHANNEL f1 *****
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
SF01 300.1315007 MHz

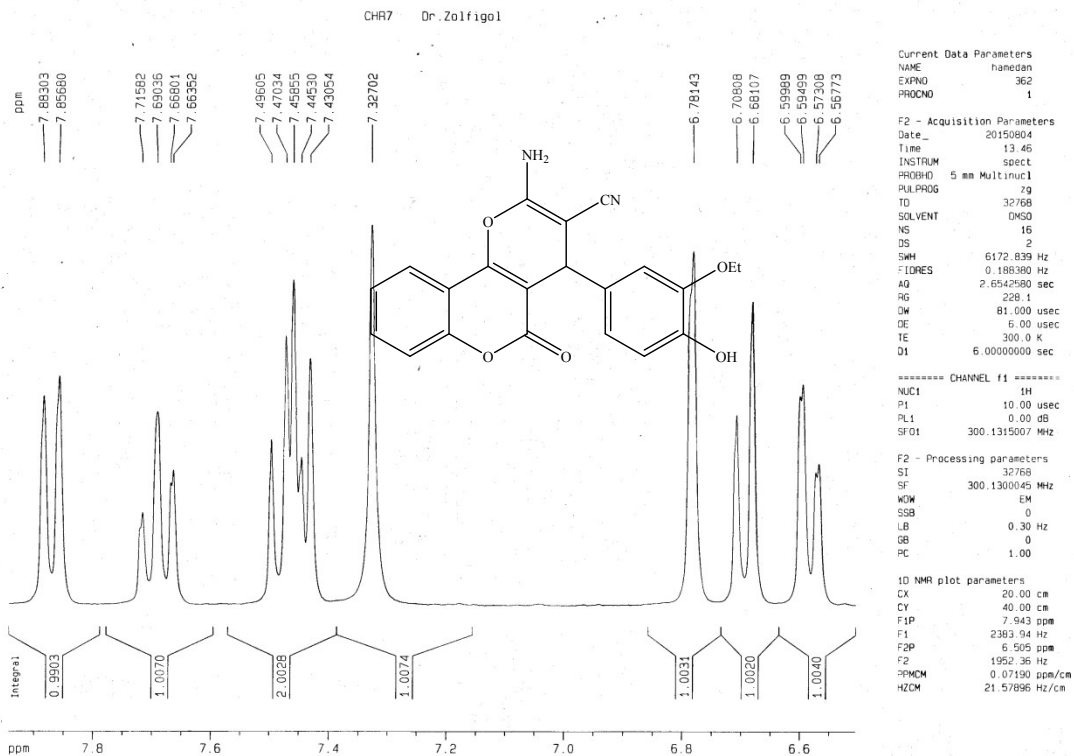
F2 - Processing parameters
SI 32768
SF 300.1300045 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 12.50 cm
F1P 10.000 ppm
F1 3001.30 Hz
F2P -90.04 Hz
F2 -90.04 Hz
PPMCM 0.51500 ppm/cm
HZCM 154.56696 Hz/cm

(Table 3, entry 11)

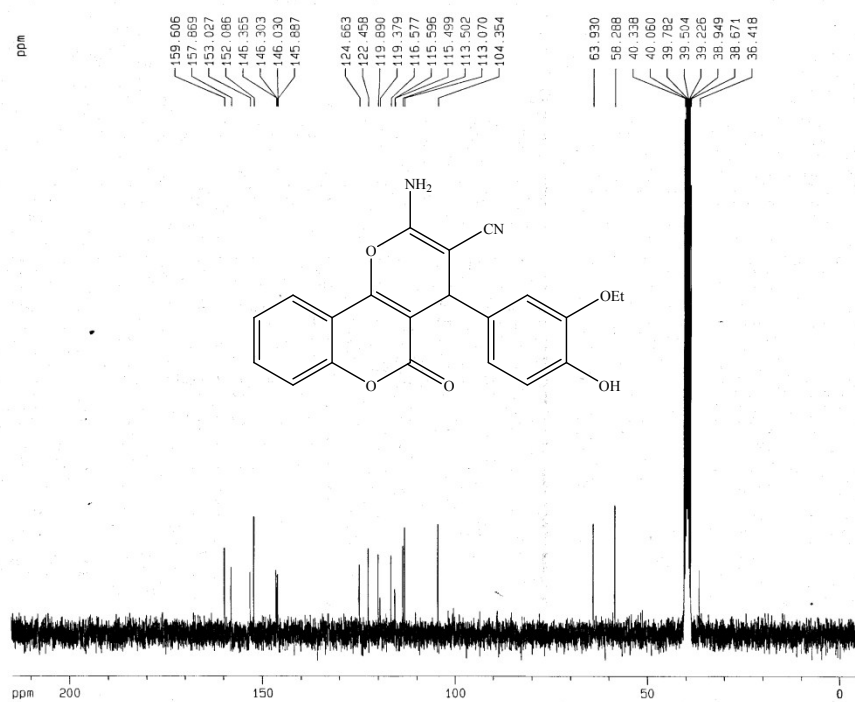


(Table 3, entry 11)



(Table 3, entry 11)

CHR7 Dr. Zolfigol



Current Data Parameters
NAME namedan
EXPNO 363
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150804
Time 14.05
INSTRUM spect
PROBHD 5 mm Multinuc1
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 850
DS 2
SWH 17985.611 Hz
FIDRES 0.548877 Hz
AQ 0.910004 sec
RG 14596.5
DM 27.800 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
d12 0.00020000 sec

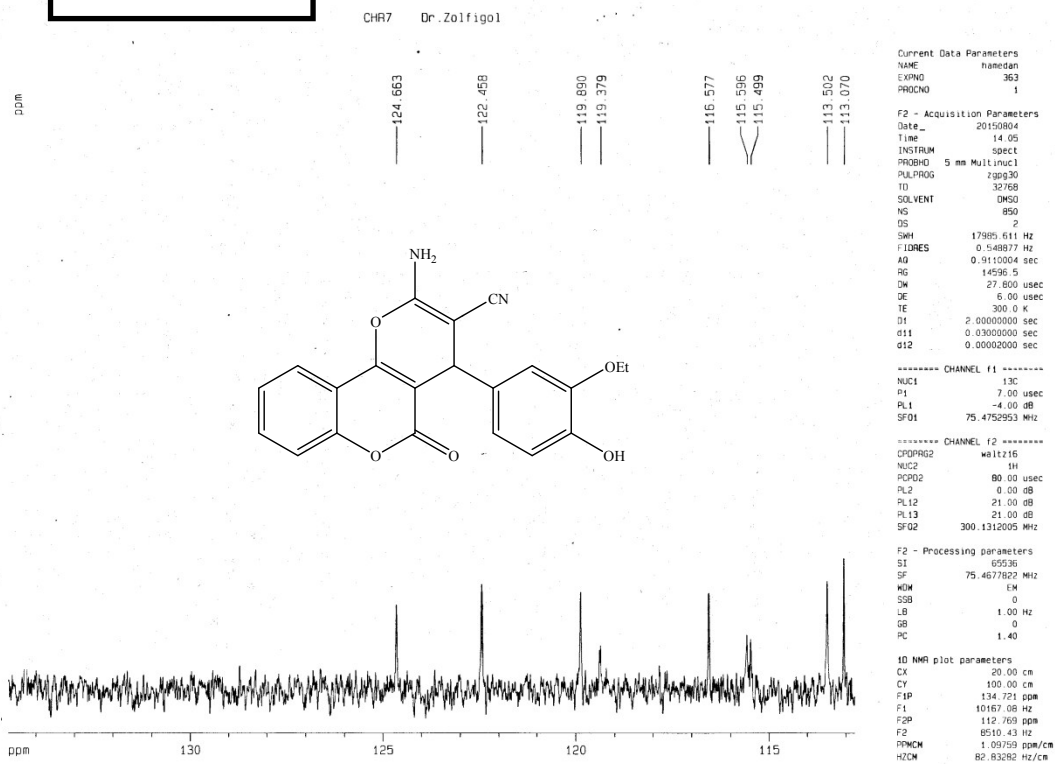
***** CHANNEL f1 *****
NUC1 13C
P1 7.00 usec
PL1 -4.00 dB
SF01 75.4752953 MHz

***** CHANNEL f2 *****
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 0.00 dB
PL12 21.00 dB
PL13 21.00 dB
SF02 300.1312005 MHz

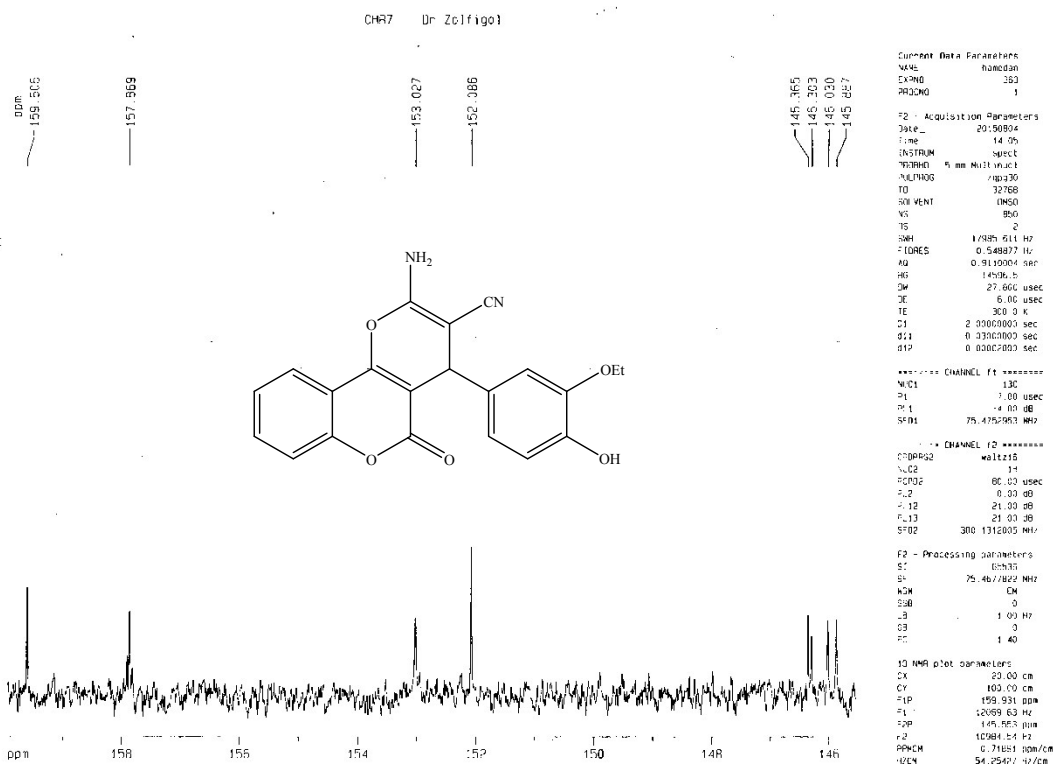
F2 - Processing parameters
SI 65536
SF 75.4677822 MHz
WDW EN
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

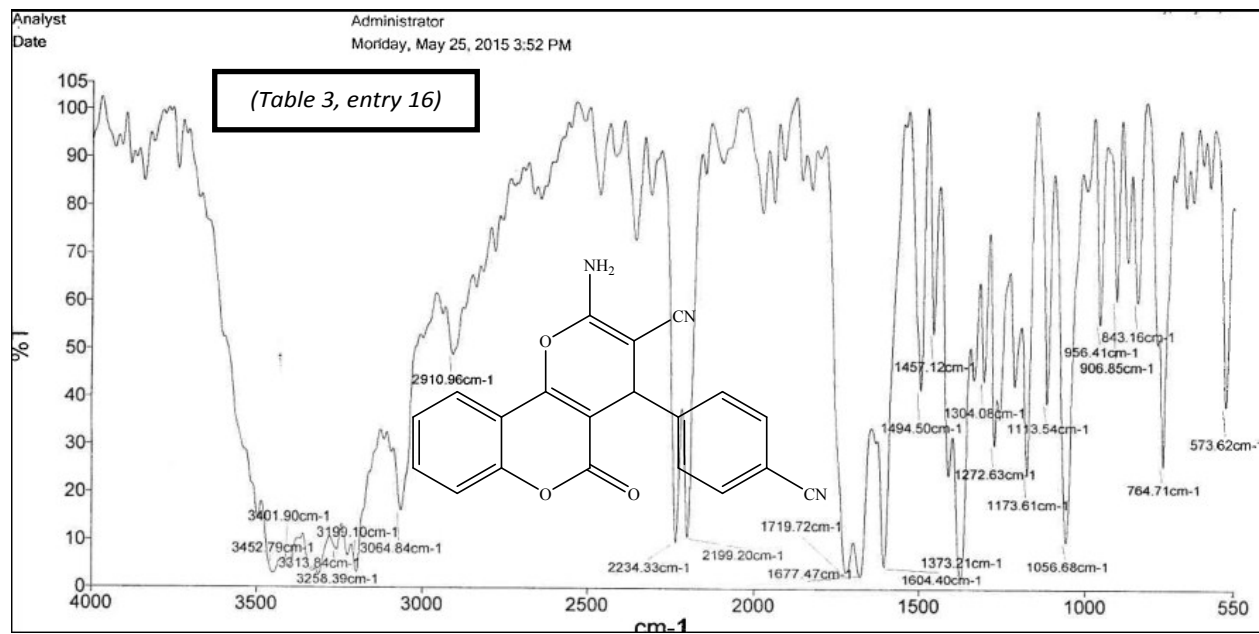
1D NMR plot parameters
CX 20.00 cm
CY 80.00 cm
F1P 215.000 ppm
F1 16225.57 Hz
F2P -5.000 ppm
F2 -377.34 Hz
PRNOM 11.00000 ppm/cm
HZCM 830.14557 Hz/cm

(Table 3, entry 11)

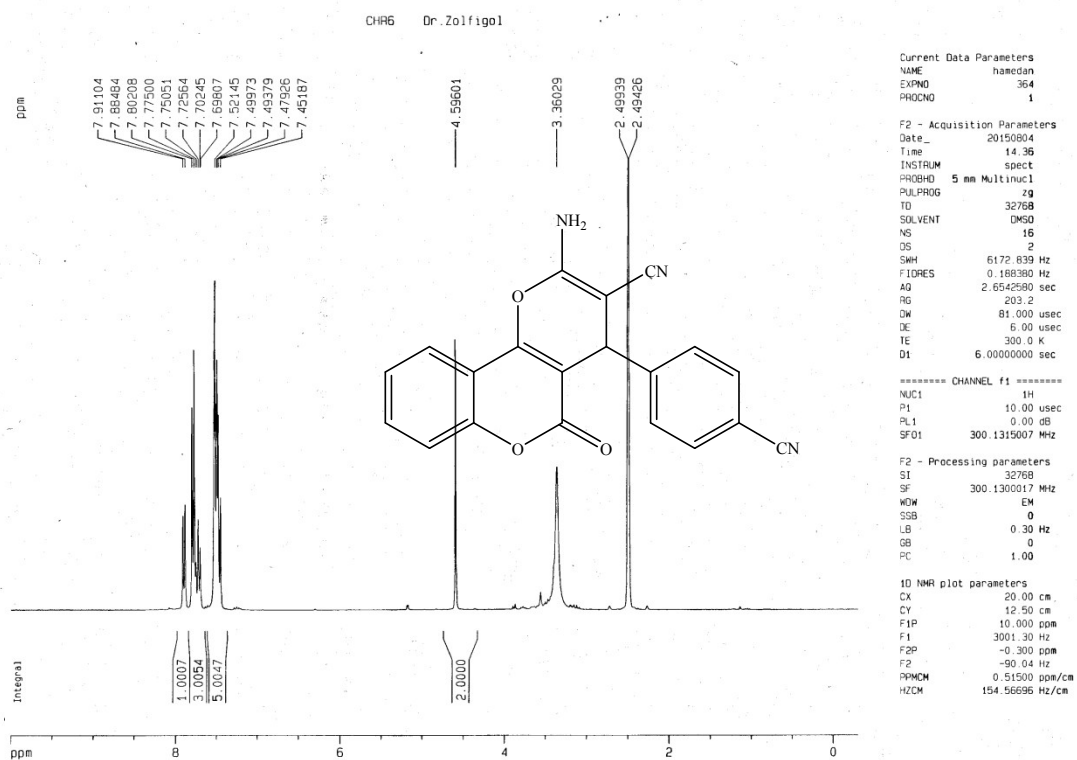


(Table 3, entry 11)



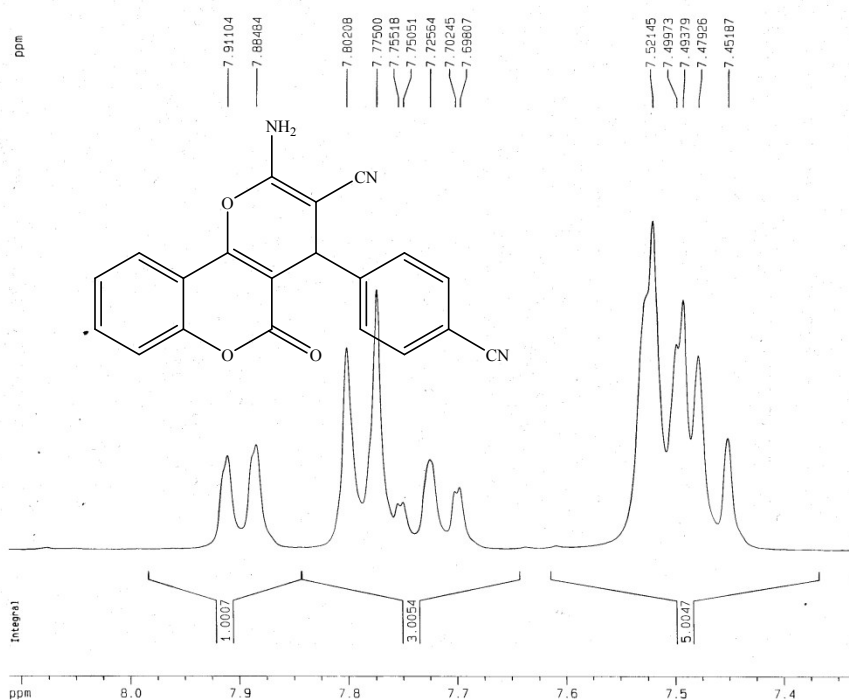


(Table 3, entry 16)



(Table 3, entry 16)

CHR6 Dr. Zolfigol



Current Data Parameters

NAME hamdan
EXPNO 364
PROCNO 1

F2 - Acquisition Parameters

Date_ 20150804
Time 14.36
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg
TD 32768
SOLVENT DMSO
NS 16
DS 2
SWH 6172.839 Hz
FIDRES 0.188380 Hz
AQ 2.6542580 sec
RG 203.2
DW 81.000 usec
DE 6.00 usec
TE 300.0 K
D1 6.00000000 sec

***** CHANNEL f1 *****

MUCL 1H
P1 10.00 usec
PL1 0.00 dB
SFO1 300.1315007 MHz

F2 - Processing parameters

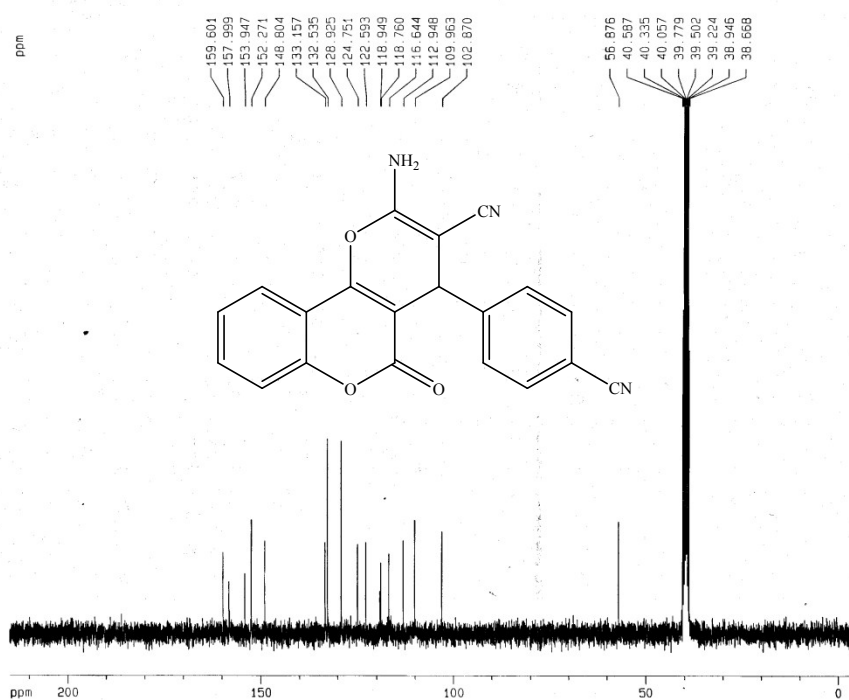
SI 32768
SF 300.1300017 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 20.00 cm
CY 12.50 cm
F1P 8.112 ppm
F1 2434.57 Hz
F2P 7.334 ppm
F2 2201.06 Hz
PPMCM 0.03890 ppm/cm
HZCM 11.67561 Hz/cm

(Table 3, entry 16)

CHAR6 Dr.Zolfigol



Current Data Parameters
NAME hamedan
EXPNO 365
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150804
Time 14.45
INSTRUM spect
PROBHD 5 mm Multinuc1
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 540
DS 2
SWH 17385.611 Hz
FIDRES 0.548877 Hz
AQ 0.9110004 sec
RG 14595.5
DM 27.800 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
d12 0.00002000 sec

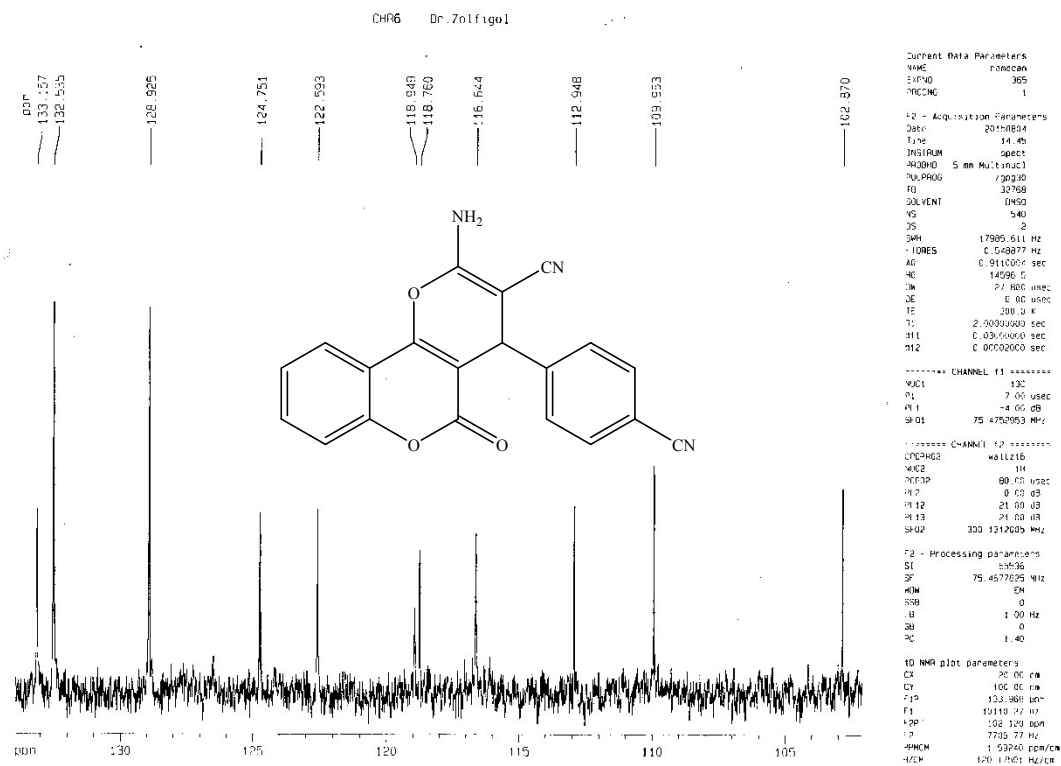
***** CHANNEL f1 *****
NUC1 13C
P1 7.00 usec
PL1 -4.00 dB
SFO1 75.4752953 MHz

***** CHANNEL f2 *****
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 0.00 dB
PL12 21.00 dB
PL13 21.00 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 65536
SF 75.4677825 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 20.00 cm
CY 50.00 cm
FIP 215.000 ppm
F1 16225.57 Hz
F2P -5.000 ppm
F2 -377.34 Hz
PRNCH 11.0000 ppm/cm
HZCM 830.14557 Hz/cm

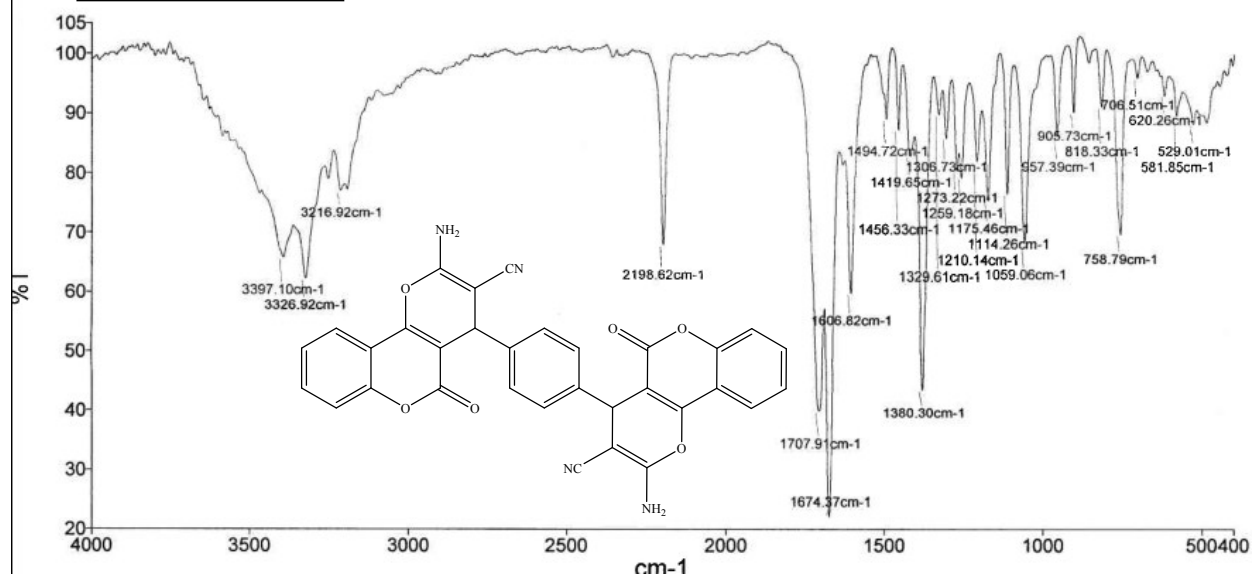
(Table 3, entry 16)



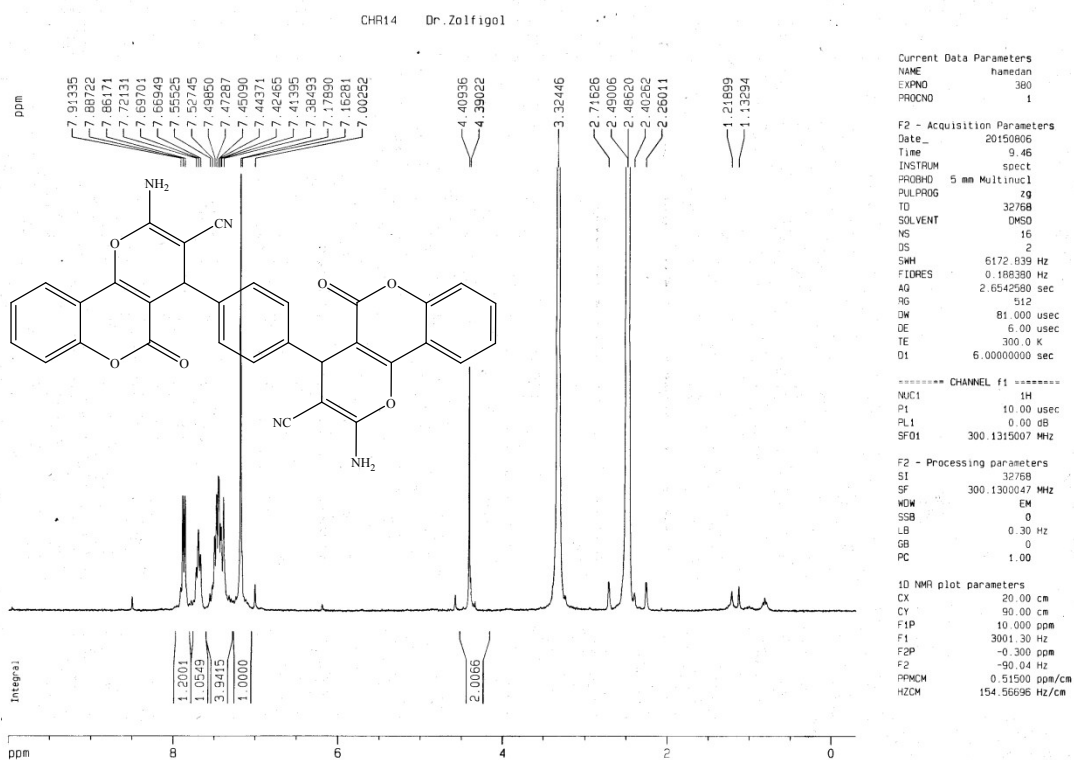
Analyst
Date

(Table 3, entry 17)

Administrator
Wednesday, June 10, 2015 12:06 PM

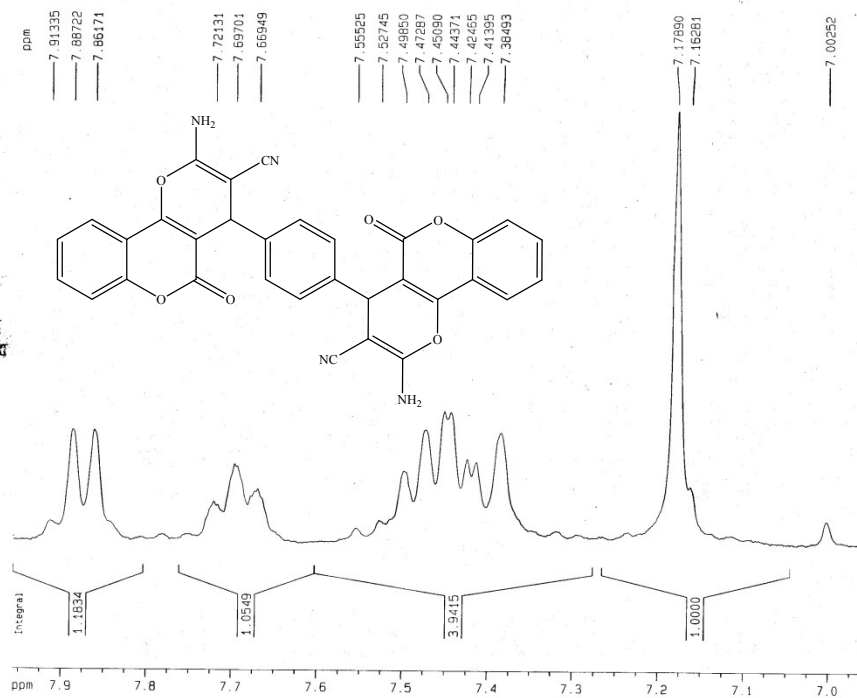


(Table 3, entry 17)



(Table 3, entry 17)

CHR14 Dr. Zolfigol



Current Data Parameters

NAME: hamedan
EXPNO: 380
PROCNO: 1

F2 - Acquisition Parameters

Date_: 20150806
Time: 9.46
INSTRUM: spect
PROBHD: 5 mm Multinucl
PULPROG: zg
TD: 32768
SOLVENT: DMSO
NS: 16
DS: 2
SWH: 6172.839 Hz
FIDRES: 0.188380 Hz
AQ: 2.6542580 sec
RG: 512
CW: 81.000 usec
DE: 6.00 usec
TE: 300.0 K
D1: 6.00000000 sec

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

NUC1: 1H
P1: 10.00 usec
PL1: 0.00 dB
SFO1: 300.1315007 MHz

F2 - Processing parameters

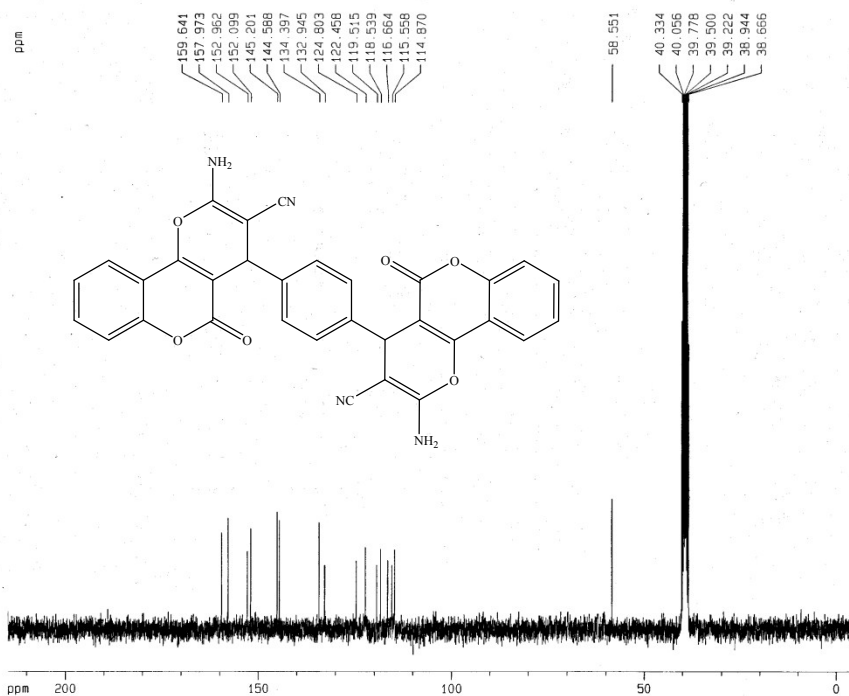
SI: 32768
SF: 300.1300047 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 1.00

10 NMR plot parameters

CX: 20.00 cm
CY: 90.00 cm
F1P: 7.957 ppm
F1: 2388.04 Hz
F2P: 6.963 ppm
F2: 2089.76 Hz
PPHMM: 0.04969 ppm/cm
HZCM: 14.91395 Hz/cm

(Table 3, entry 17)

CHR14 Dr. Zolfianl



Current Data Parameters
NAME hamedan
EXPNO 379
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150806
Time 10.04
INSTRUM spect
PROBHD 5 mm Multinuc1
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 512
DS 2
SWH 17985.511 Hz
FIDRES 0.548877 Hz
AQ 0.9110004 sec
RG 14596.5
DM 27.800 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.00000000 sec
d12 0.00002000 sec

***** CHANNEL f1 *****
NUC1 13C
P1 7.00 usec
PL1 -4.00 dB
SF01 75.4752953 MHz

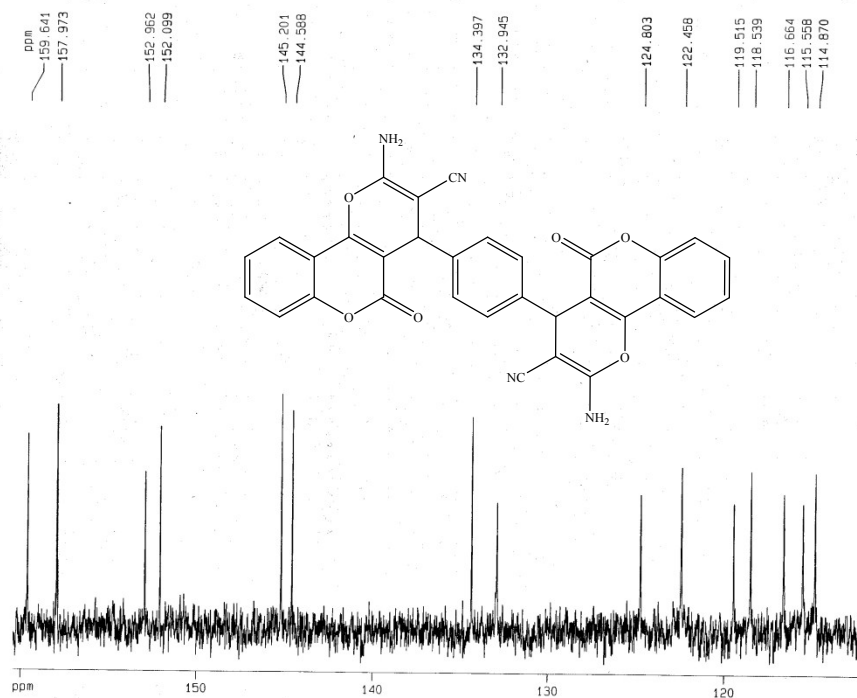
***** CHANNEL f2 *****
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 0.00 dB
PL12 21.00 dB
PL13 21.00 dB
SF02 300.1312005 MHz

F2 - Processing parameters
SI 65536
SF 75.4677765 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 20.00 cm
CY 50.00 cm
F1P 215.000 ppm
F1 16225.57 Hz
F2P -5.000 ppm
F2 -377.34 Hz
PCNOM 11.00000 ppm/cm
H2CN 830.14551 Hz/cm

(Table 3, entry 17)

CHR14 Dr. Zolfigol



Current Data Parameters

NAME hanedan
EXPNO 379
PROCNO 1

F2 - Acquisition Parameters

Date_ 20150806
Time 10.04
INSTRUM spect
PROBHD 5 mm Multinuc1
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 512
DS 2
SWH 17985.611 Hz
FIDRES 0.548877 Hz
AQ 0.9110004 sec
RG 14596.5
DM 27.800 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.00000000 sec
d12 0.00000000 sec

***** CHANNEL f1 *****

NUC1 13C
P1 7.00 usec
PL1 -4.00 dB
SFO1 75.4752953 MHz

***** CHANNEL f2 *****

CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 0.00 dB
PL12 21.00 dB
PL13 21.00 dB
SFO2 300.1312005 MHz

F2 - Processing parameters

SI 65536
SF 75.4677765 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters

CX 20.00 cm
CY 100.00 cm
FIP 160.441 ppm
F1 12108.15 Hz
F2P 112.269 ppm
F2 8472.67 Hz
PCNOM 2.40865 ppm/cm
HZCM 181.77385 Hz/cm