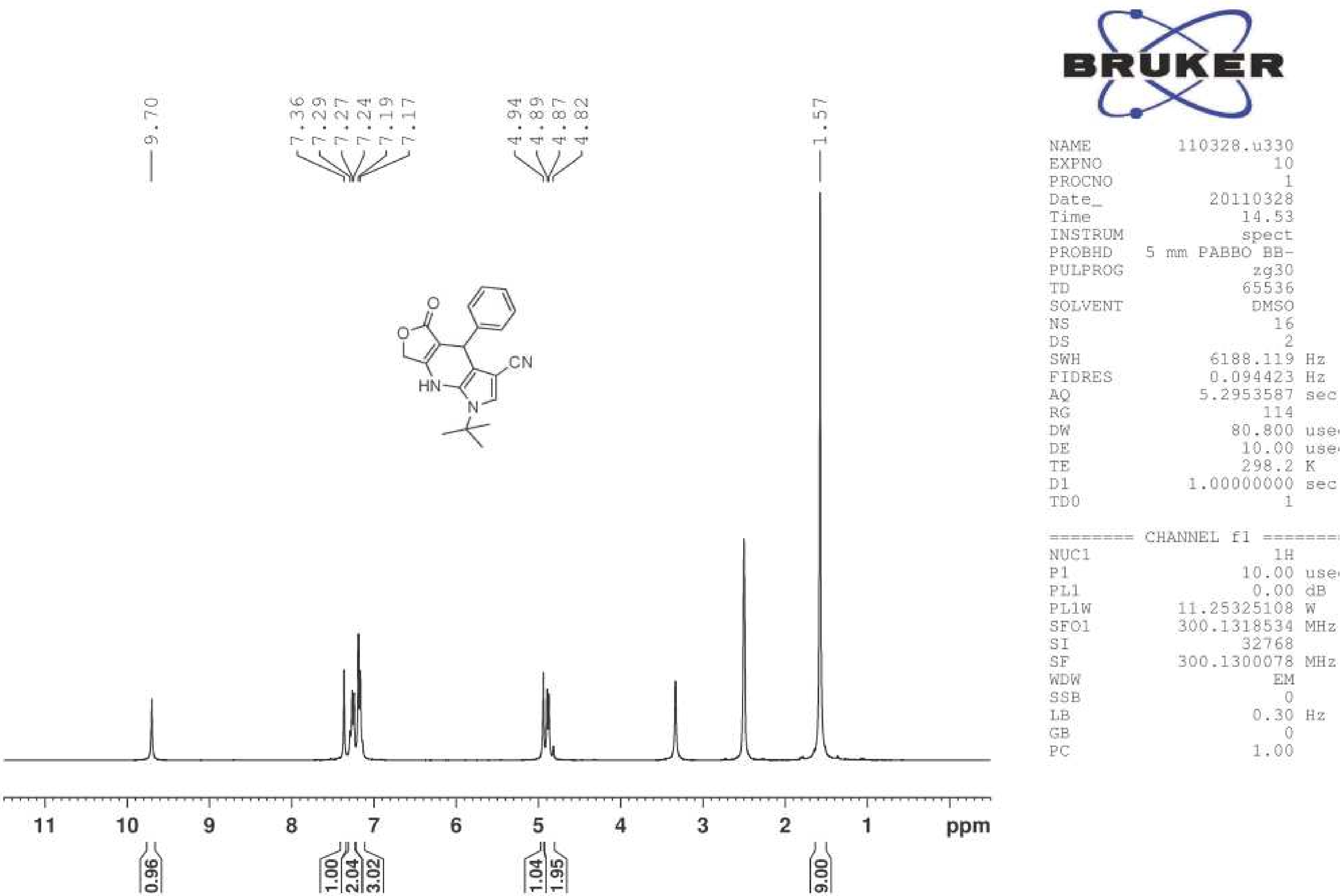
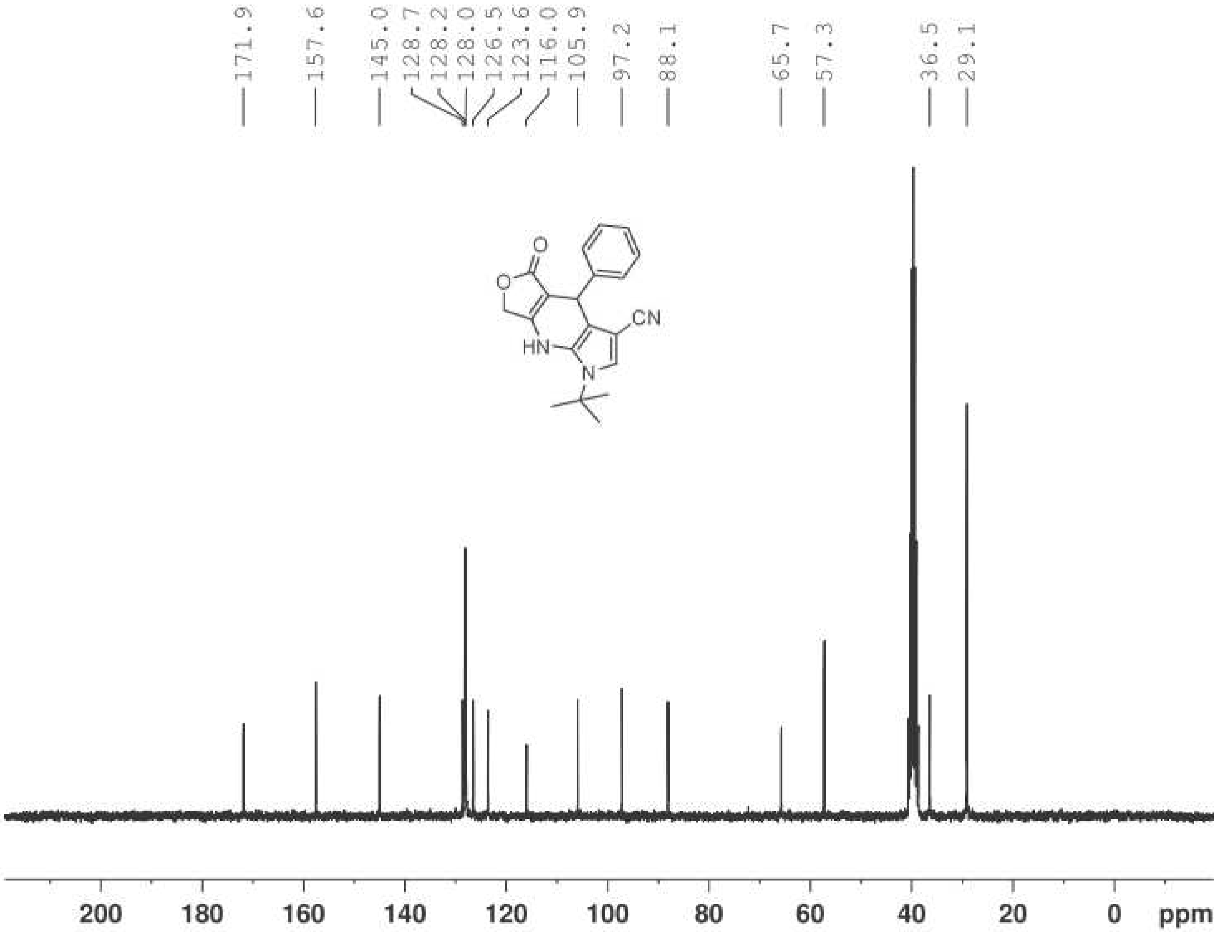
Supporting Information Part-2.

9. Copies of ^{1}H, ^{19}F, and ^{13}C spectra


9.70
7.36
7.29
7.27
7.24
7.19
7.17
4.94
4.89
4.87
4.82
1.57
O
O
HN
N
CN
11
10
9
8
7
6
5
4
3
2
1
ppm
0.96
1.00
2.04
3.02
1.04
1.95
9.00
NAME 110328.u330
EXPNO 10
PROCNO 1
Date_ 20110328
Time 14.53
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 114
DW 80.800 use
DE 10.00 use
TE 298.2 K
D1 1.00000000 sec
TD0 1
======== CHANNEL f1 ========
NUC1 1H
P1 10.00 use
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1300078 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

59

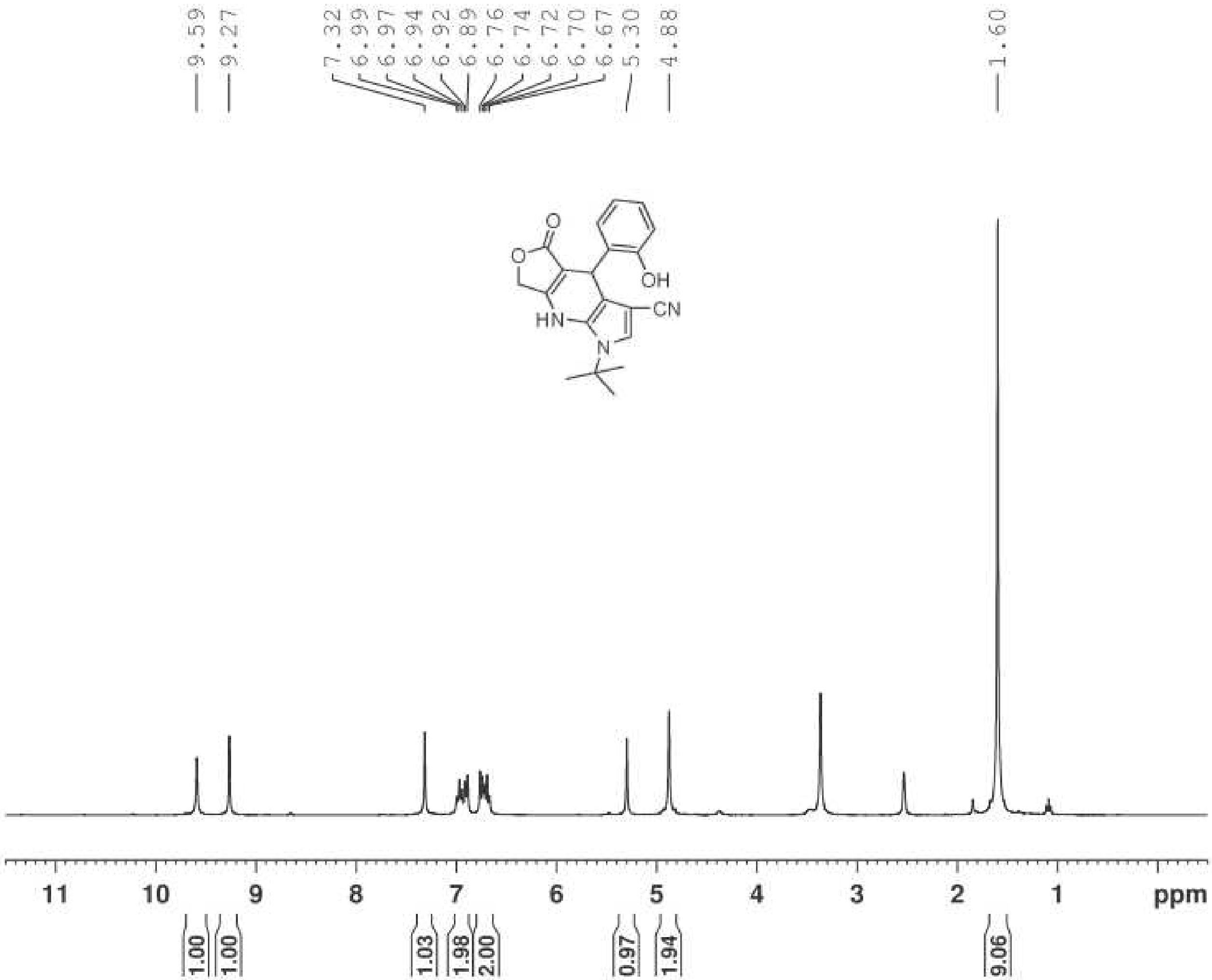



```
NAME          110330.218
EXPNO                 10
PROCNO                 1
Date_           20110330
Time               19.56
INSTRUM            spect
PROBHD    5 mm PABBO BB-
PULPROG          zgpg30
TD                 65536
SOLVENT             DMSO
NS                  1024
DS                     4
SWH            15000.000 Hz
FIDRES          0.228882 Hz
AQ             2.1845834 sec
RG                  2050
DW                33.333 usec
DE                 10.00 usec
TE                 298.2 K
D1            2.00000000 sec
d11           0.03000000 sec
DELTA         1.89999998 sec
TD0                    1

======== CHANNEL f1 ========
NUC1                 13C
P1                 10.00 usec
PL1                -1.00 dB
SFO1          62.9015280 MHz

======== CHANNEL f2 ========
CPDPRG2          waltz16
NUC2                  1H
PCPD2              70.00 usec
PL12               15.00 dB
PL13               15.00 dB
PL2                -2.50 dB
SFO2         250.1310005 MHz
SI                 32768
SF            62.8952566 MHz
WDW                   EM
SSB                    0
LB                  1.00 Hz
GB                     0
PC                  1.40
```

61

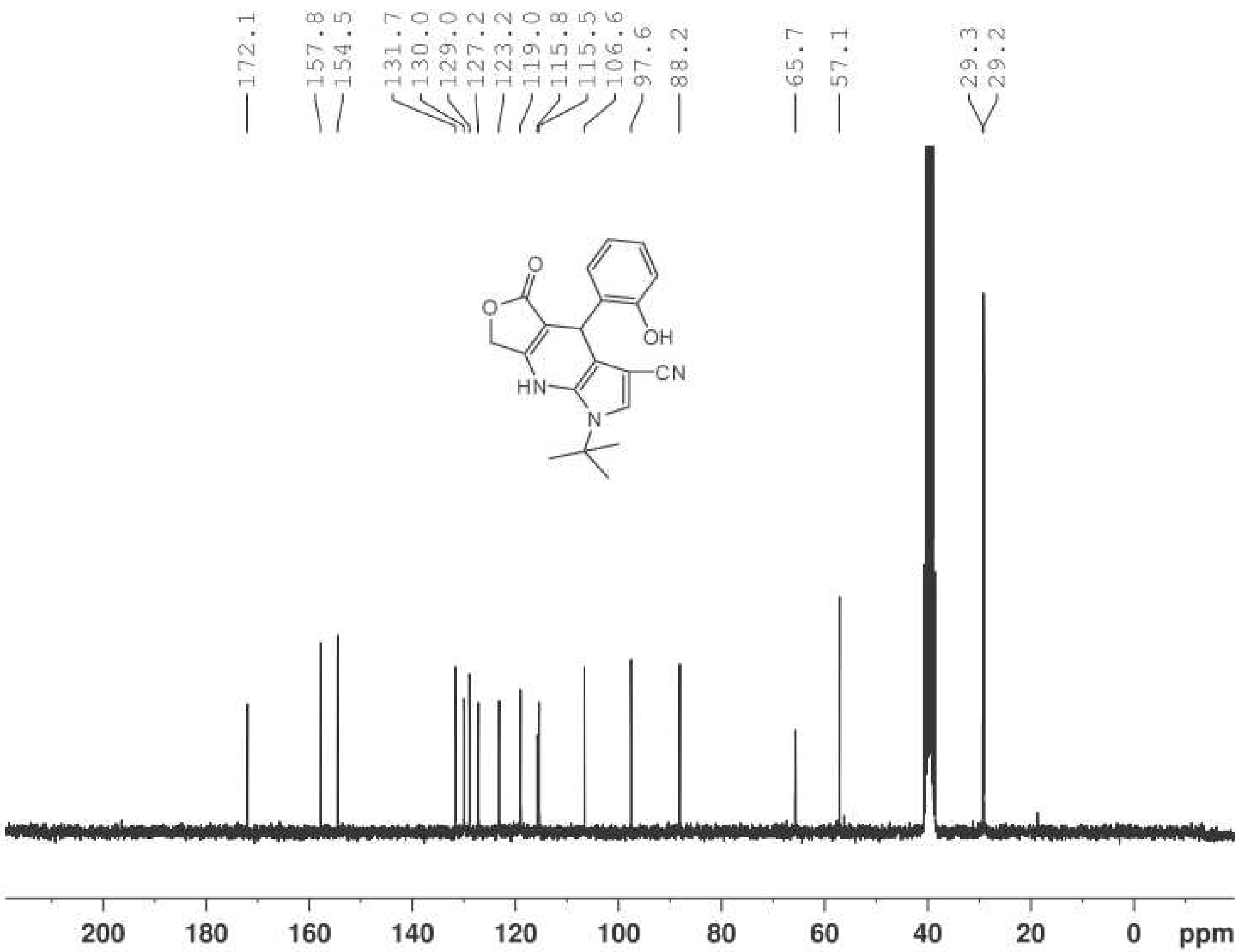


NAME	110527.u338
EXPNO	10
PROCNO	1
Date_	20110527
Time	12.04
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	144
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1

======== CHANNEL f1 ========

NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300000 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

62



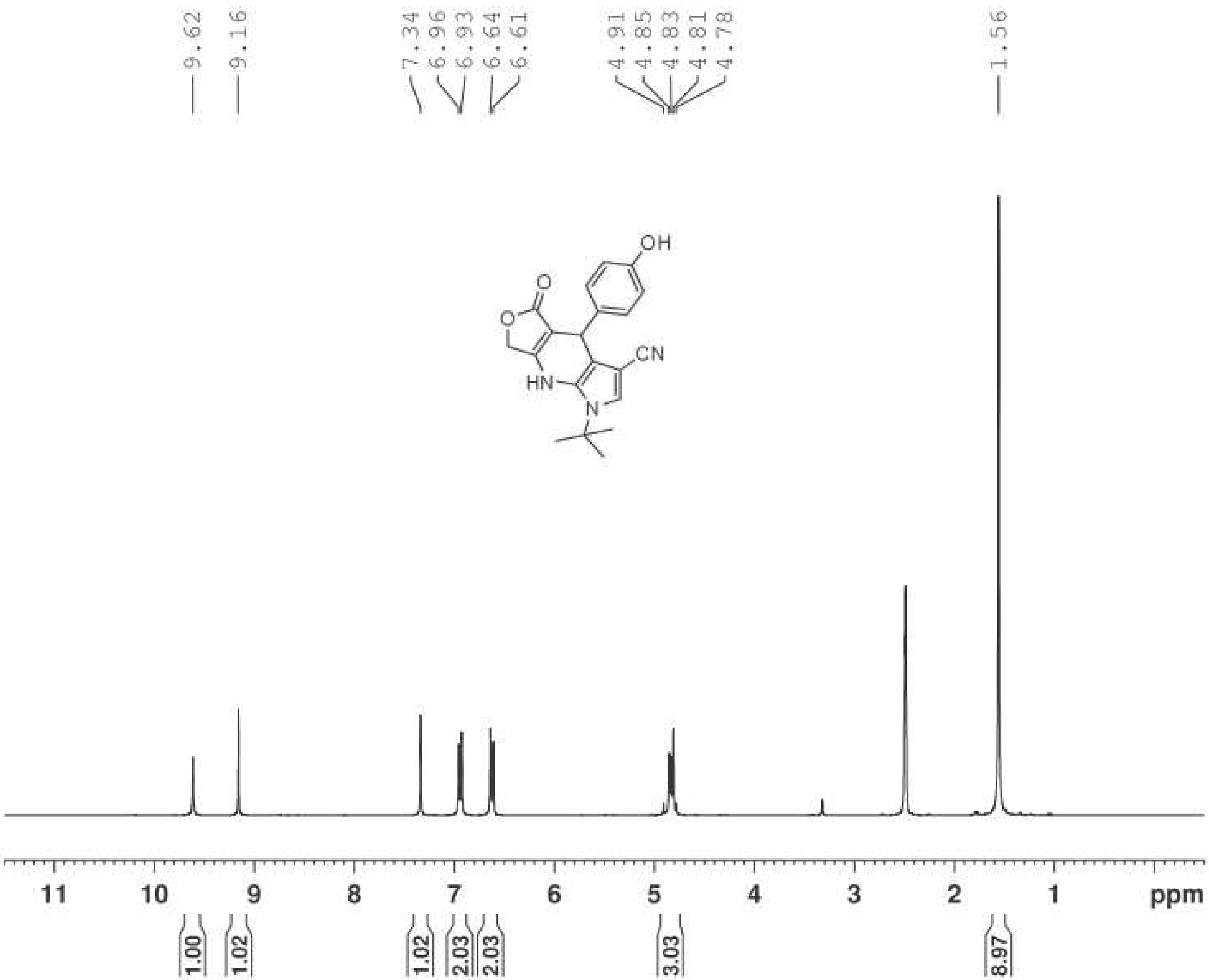
NAME	110718.206
EXPNO	10
PROCNO	1
Date_	20110719
Time	3.39
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	3072
DS	4
SWH	15000.000 Hz
FIDRES	0.228882 Hz
AQ	2.1845834 sec
RG	2050
DW	33.333 usec
DE	10.00 usec
TE	298.9 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1

======== CHANNEL f1 ========

NUC1	13C
P1	10.00 usec
PL1	-1.00 dB
SFO1	62.9015280 MHz

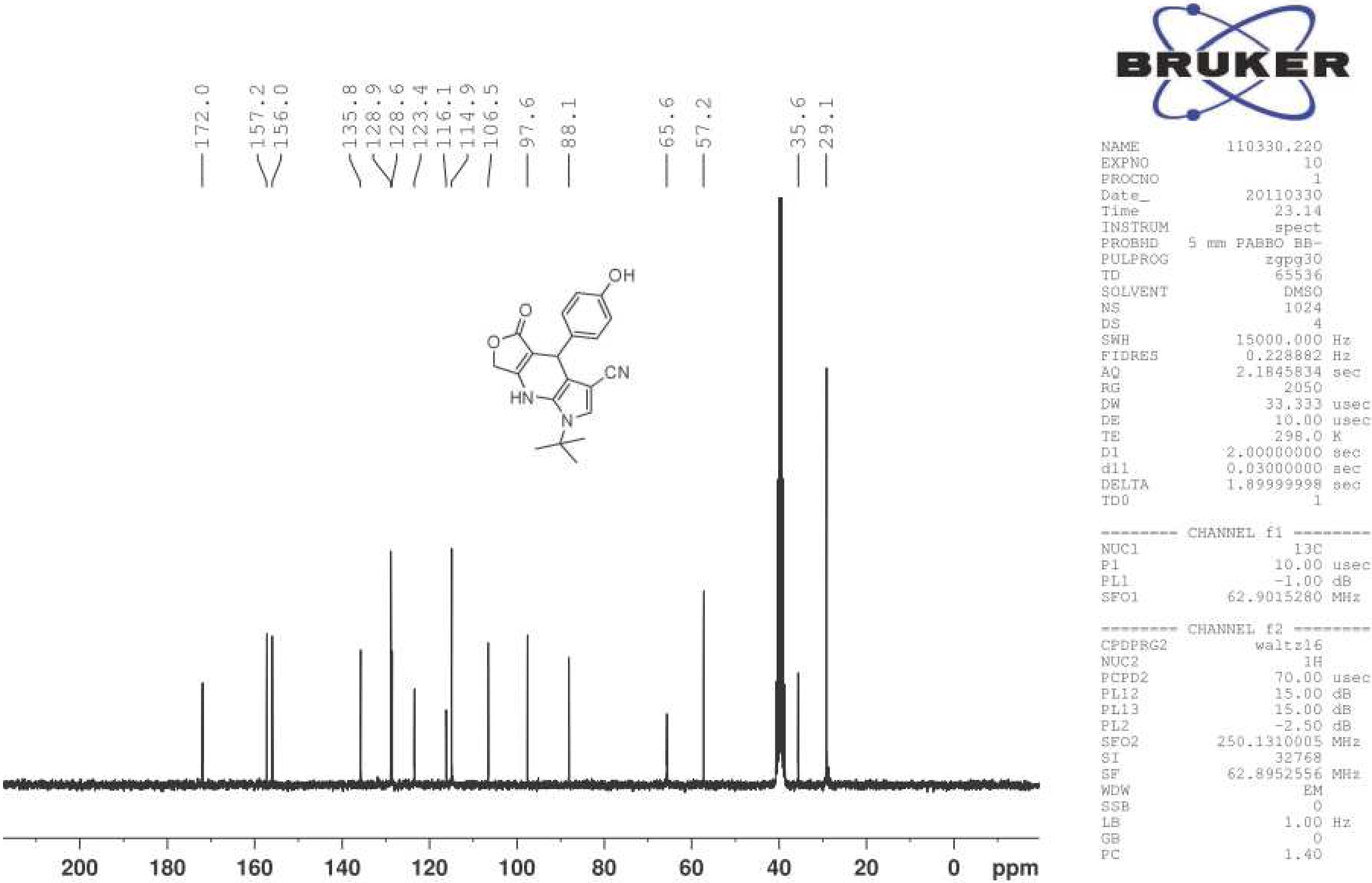
======== CHANNEL f2 ========

CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	15.00 dB
PL13	15.00 dB
PL2	-2.50 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952550 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

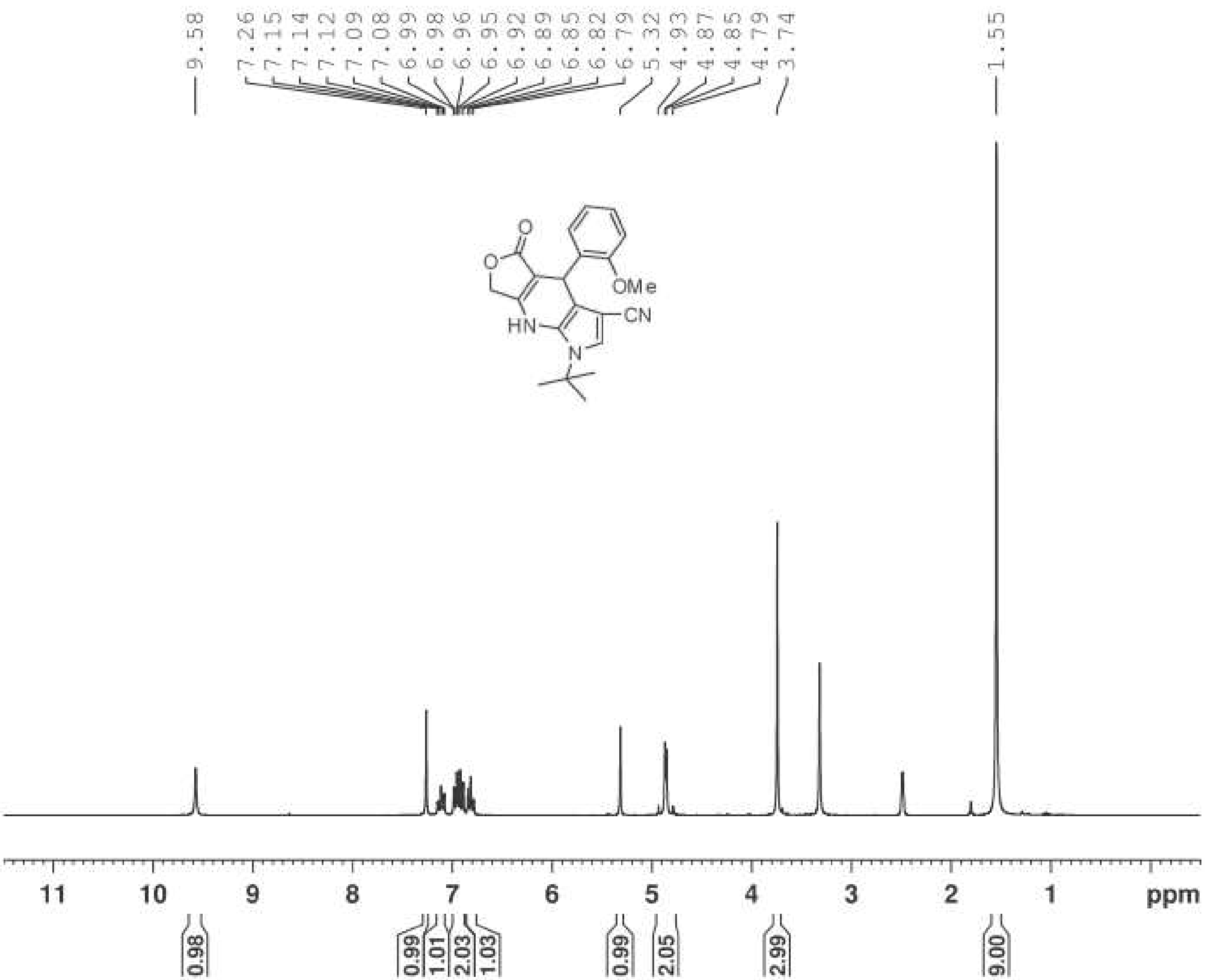



```
NAME          110328.u340
EXPNO                  10
PROCNO                  1
Date_            20110328
Time                15.52
INSTRUM             spect
PROBHD   5 mm PABBO BB-
PULPROG              zg30
TD                  65536
SOLVENT              DMSO
NS                     16
DS                      2
SWH              6188.119 Hz
FIDRES           0.094423 Hz
AQ              5.2953587 sec
RG                    128
DW                 80.800 use
DE                  10.00 use
TE                  298.2 K
D1             1.00000000 sec
TD0                     1

======== CHANNEL f1 =======
NUC1                   1H
P1                  10.00 use
PL1                  0.00 dB
PL1W          11.25325108 W
SFO1          300.1318534 MHz
SI                  32768
SF            300.1300092 MHz
WDW                    EM
SSB                     0
LB                   0.30 Hz
GB                      0
PC                   1.00
```


172.0
157.2
156.0
135.8
128.9
128.6
123.4
116.1
114.9
106.5
97.6
88.1
65.6
57.2
35.6
29.1
OH
O
O
CN
HN
N
200
180
160
140
120
100
80
60
40
20
0
ppm
BRUKER
NAME 110330.220
EXPNO 10
PROCNO 1
Date_ 20110330
Time 23.14
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 15000.000 Hz
FIDRES 0.228882 Hz
AQ 2.1845834 sec
RG 2050
DW 33.333 usec
DE 10.00 usec
TE 298.0 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1
======== CHANNEL f1 ========
NUC1 13C
P1 10.00 usec
PL1 -1.00 dB
SFO1 62.9015280 MHz
======== CHANNEL f2 ========
CPDPRG2 waltz16
NUC2 1H
PCPD2 70.00 usec
PL12 15.00 dB
PL13 15.00 dB
PL2 -2.50 dB
SFO2 250.1310005 MHz
SI 32768
SF 62.8952556 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

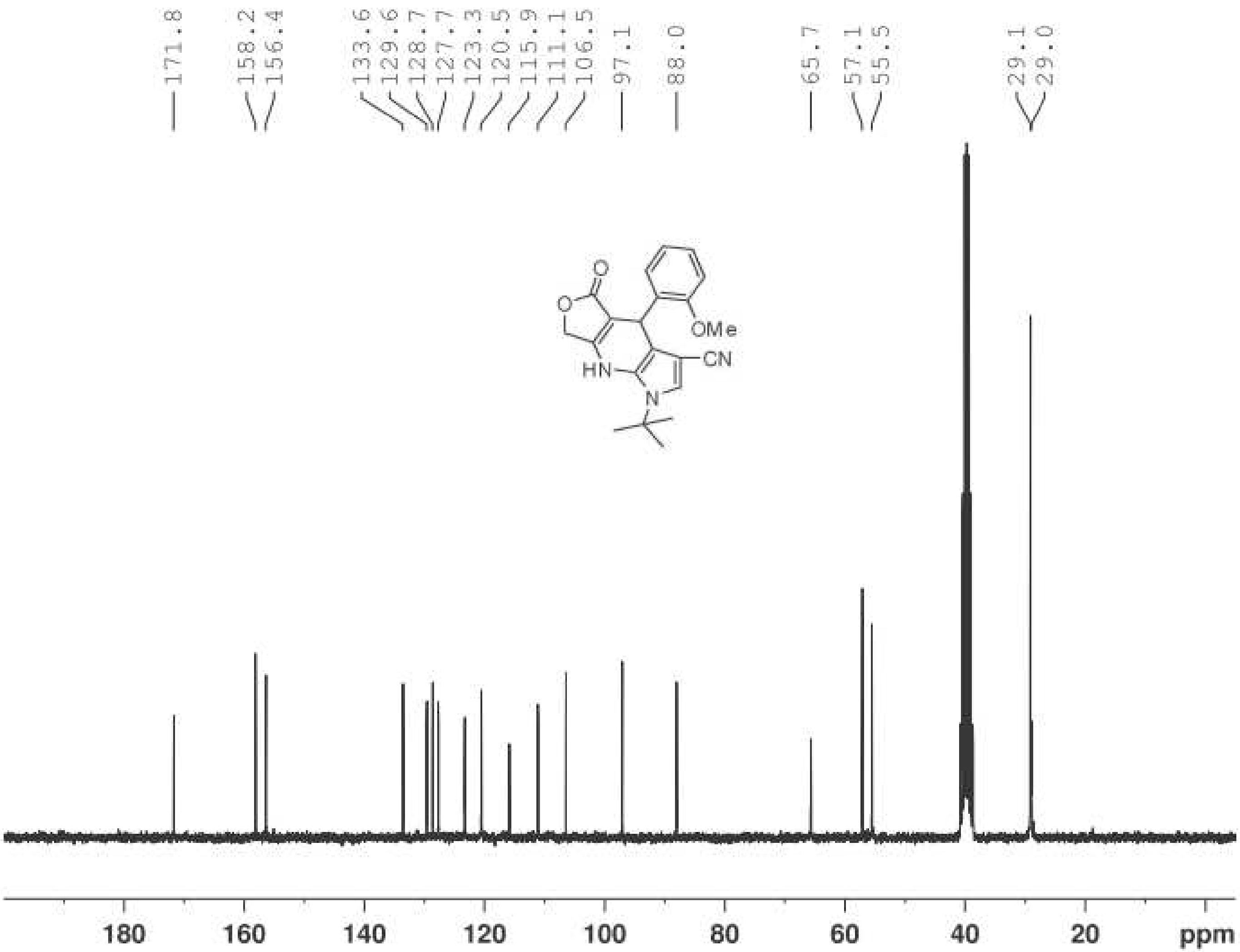
64



BRUKER

NAME	110322.205	
EXPNO	10	
PROCNO	1	
Date_	20110322	
Time	10.40	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zg30	
TD	65536	
SOLVENT	DMSO	
NS	16	
DS	2	
SWH	5165.289	Hz
FIDRES	0.078816	Hz
AQ	6.3439350	sec
RG	456	
DW	96.800	use
DE	10.00	use
TE	298.0	K
D1	1.00000000	sec
TD0	1	
======== CHANNEL f1 =======		
NUC1	1H	
P1	10.00	use
PL1	-2.50	dB
SFO1	250.1315447	MHz
SI	32768	
SF	250.1300013	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	

65



BRUKER

NAME	110323.201
EXPNO	10
PROCNO	1
Date_	20110323
Time	10.00
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	1024
DS	4
SWH	15000.000 Hz
FIDRES	0.228882 Hz
AQ	2.1845834 sec
RG	1440
DW	33.333 usec
DE	10.00 usec
TE	298.0 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1

======== CHANNEL f1 ========

NUC1	13C
P1	10.00 usec
PL1	-1.00 dB
SFO1	62.9015280 MHz

======== CHANNEL f2 ========

CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	15.00 dB
PL13	15.00 dB
PL2	-2.50 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952562 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

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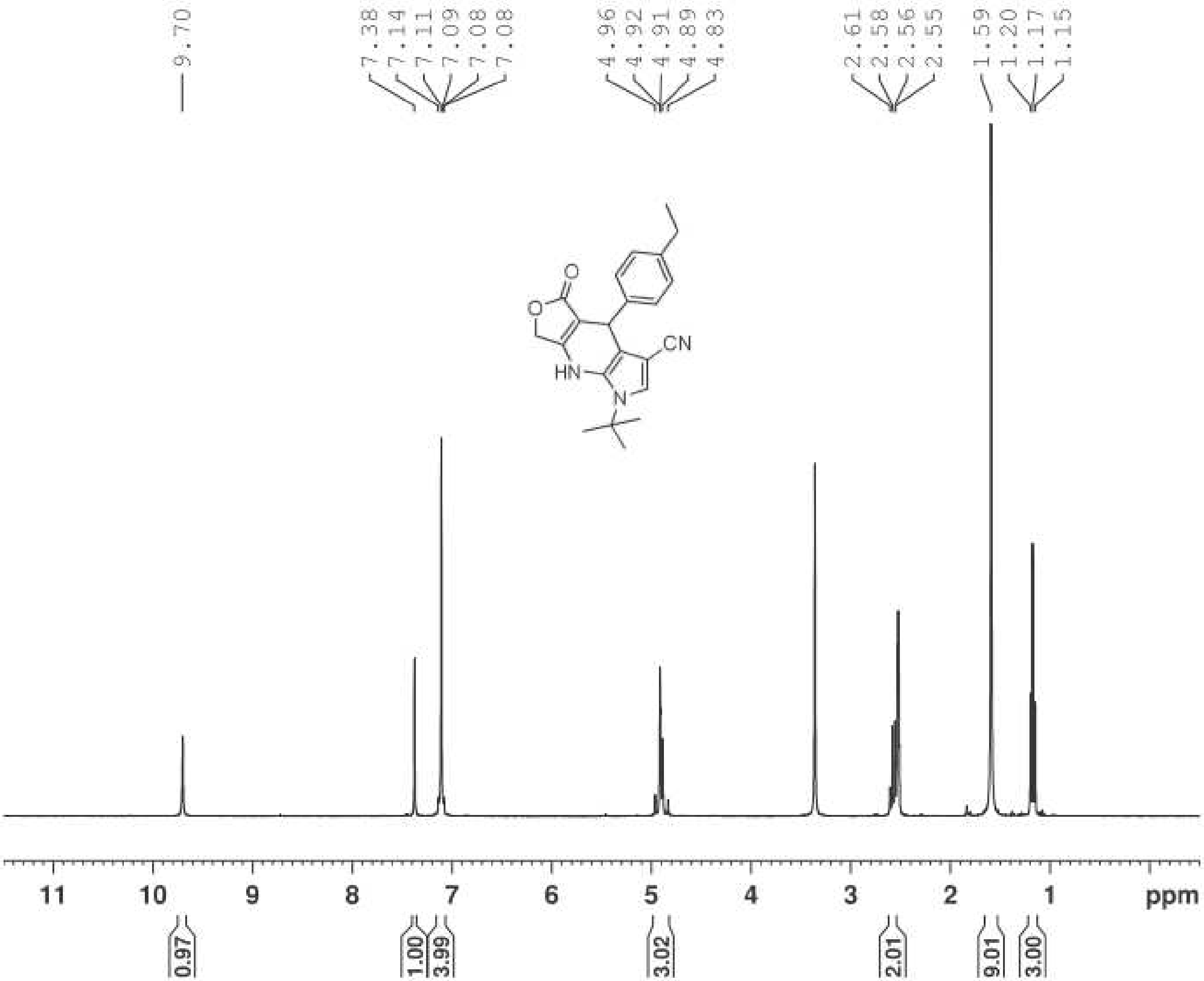
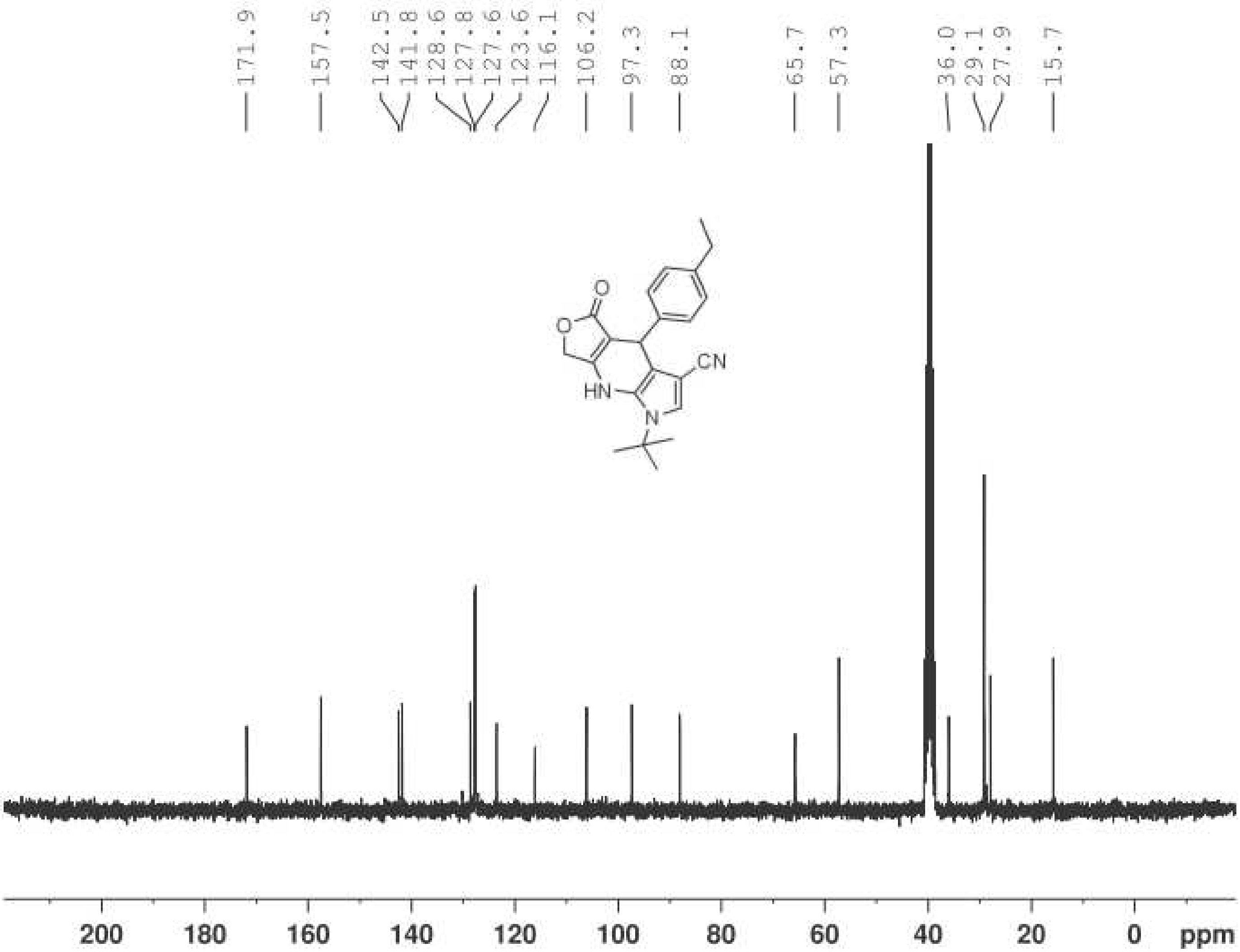


NAME 110404.u319
EXPNO 10
PROCNO 1
Date_ 20110404
Time 12.38
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 101
DW 80.800 use
DE 10.00 use
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 10.00 use
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



68

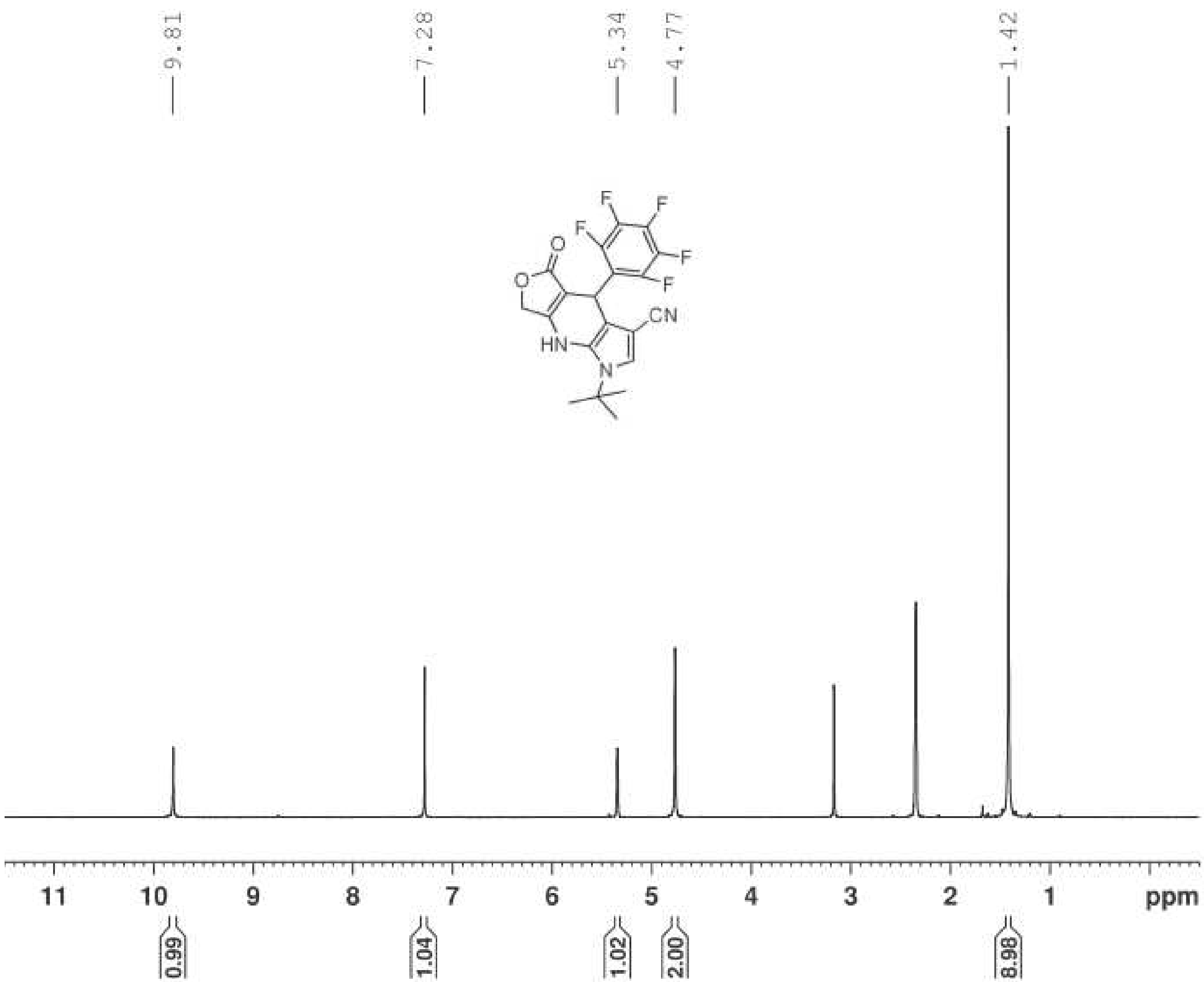
NAME	110405.202	
EXPNO	10	
PROCNO	1	
Date_	20110405	
Time	12.59	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	DMSO	
NS	1024	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	298.0	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	

======== CHANNEL f1 ========

NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz

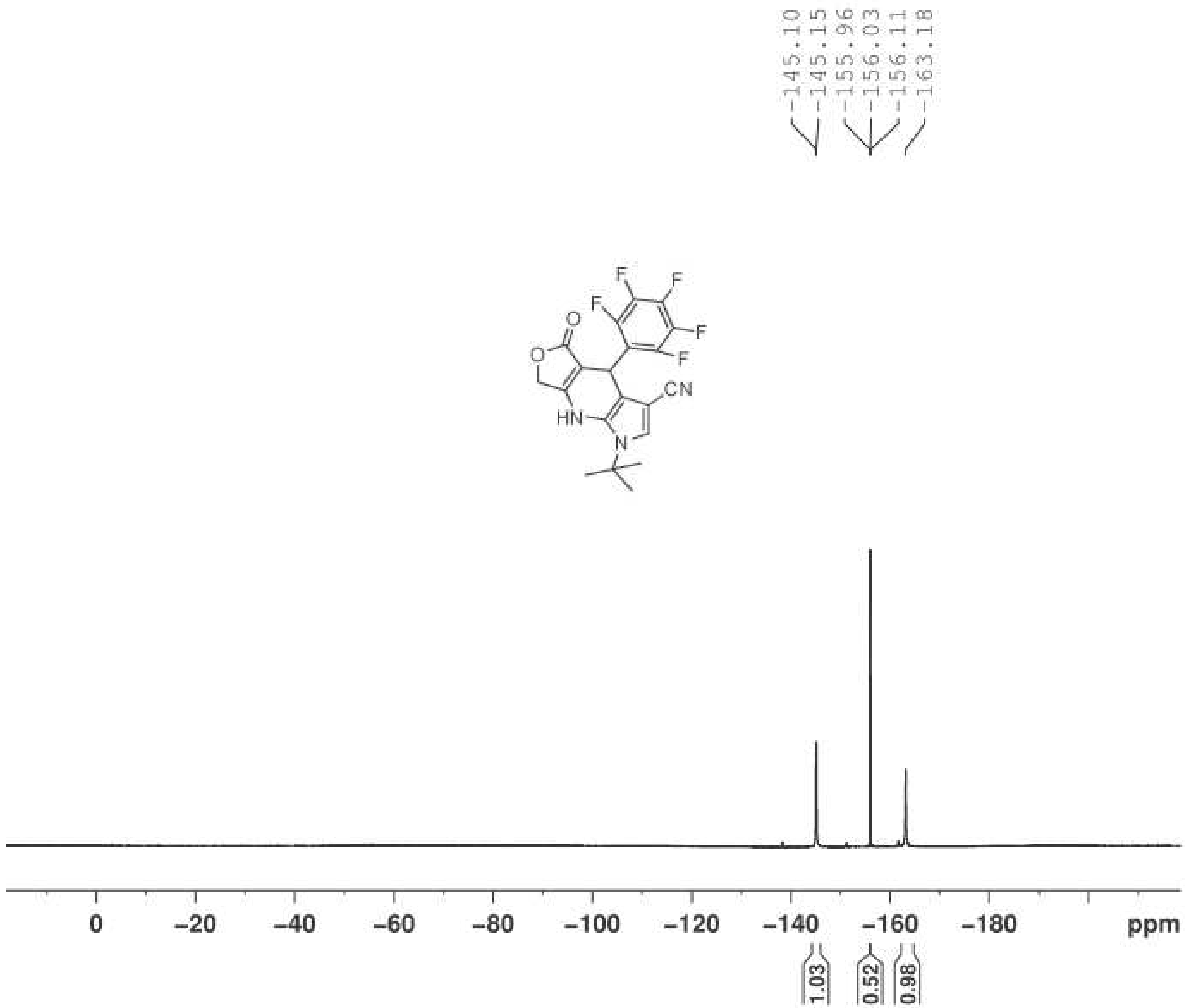
======== CHANNEL f2 ========

CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952557	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	



NAME	110404.u320	
EXPNO	10	
PROCNO	1	
Date_	20110404	
Time	12.43	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zg30	
TD	65536	
SOLVENT	DMSO	
NS	16	
DS	2	
SWH	6188.119	Hz
FIDRES	0.094423	Hz
AQ	5.2953587	sec
RG	144	
DW	80.800	use
DE	10.00	use
TE	298.2	K
D1	1.00000000	sec
TD0	1	

======== CHANNEL f1 =======		
NUC1	1H	
P1	10.00	use
PL1	0.00	dB
PL1W	11.25325108	W
SFO1	300.1318534	MHz
SI	32768	
SF	300.1300518	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	



BRUKER

NAME	110525.u334
EXPNO	10
PROCNO	1
Date_	20110525
Time	12.27
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgfhigqn
TD	131072
SOLVENT	DMSO
NS	48
DS	4
SWH	66964.289 Hz
FIDRES	0.510897 Hz
AQ	0.9787210 sec
RG	2050
DW	7.467 usec
DE	10.00 usec
TE	298.4 K
D1	1.00000000 sec
D11	0.03000000 sec
D12	0.00002000 sec
TD0	1

======== CHANNEL f1 ========

NUC1	19F
P1	10.00 usec
PL1	-3.00 dB
PL1W	15.53680420 W
SFO1	282.3761148 MHz

======== CHANNEL f2 ========

CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
SFO2	300.1312005 MHz
SI	65536
SF	282.4043550 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

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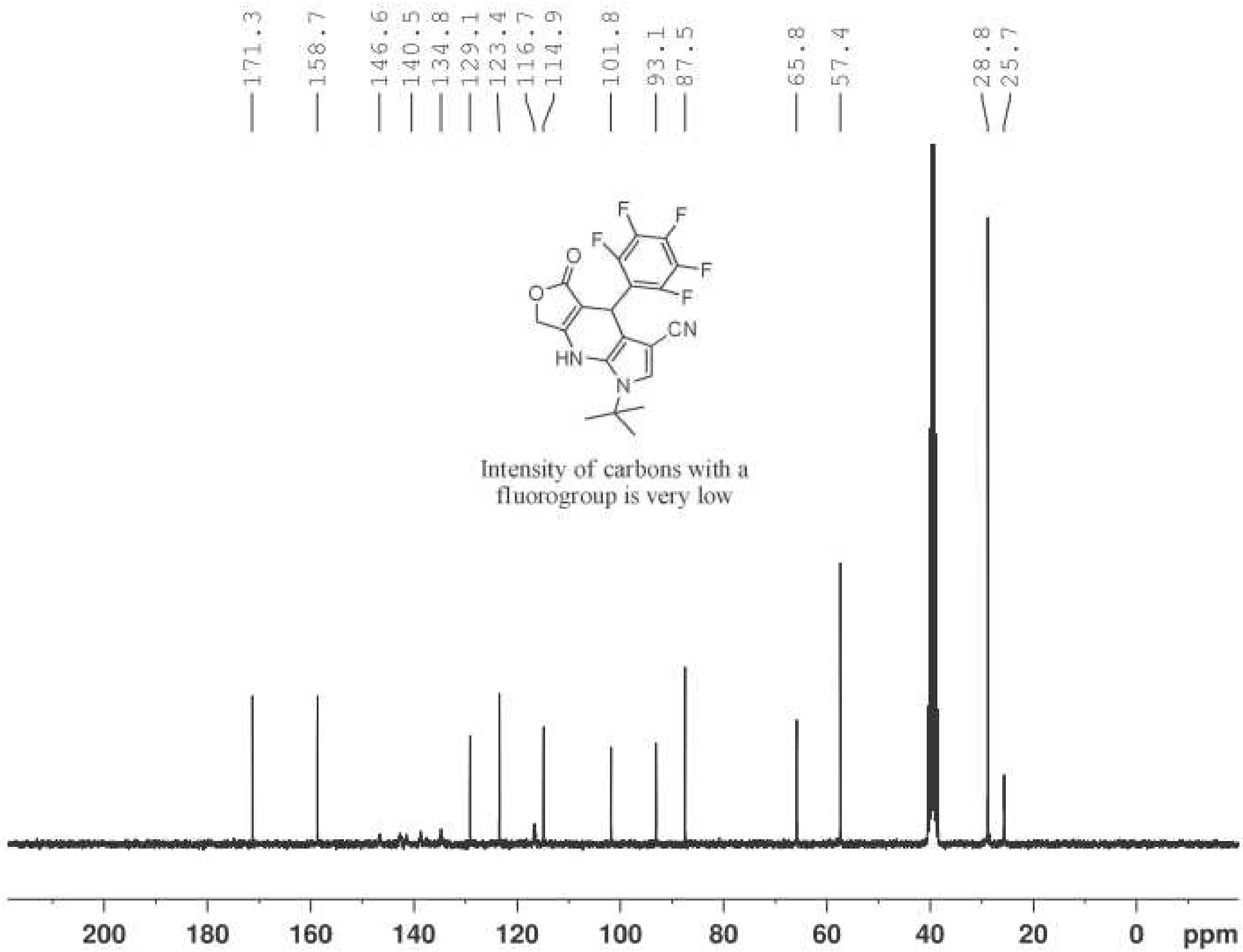

BRUKER

NAME	110524.201
EXPNO	10
PROCNO	1
Date_	20110524
Time	14.24
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	3072
DS	4
SWH	15000.000 Hz
FIDRES	0.228882 Hz
AQ	2.1845834 sec
RG	2050
DW	33.333 usec
DE	10.00 usec
TE	298.8 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1

======== CHANNEL f1 ========

NUC1	13C
P1	10.00 usec
PL1	-1.00 dB
SFO1	62.9015280 MHz

======== CHANNEL f2 ========

CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	15.00 dB
PL13	15.00 dB
PL2	-2.50 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952704 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

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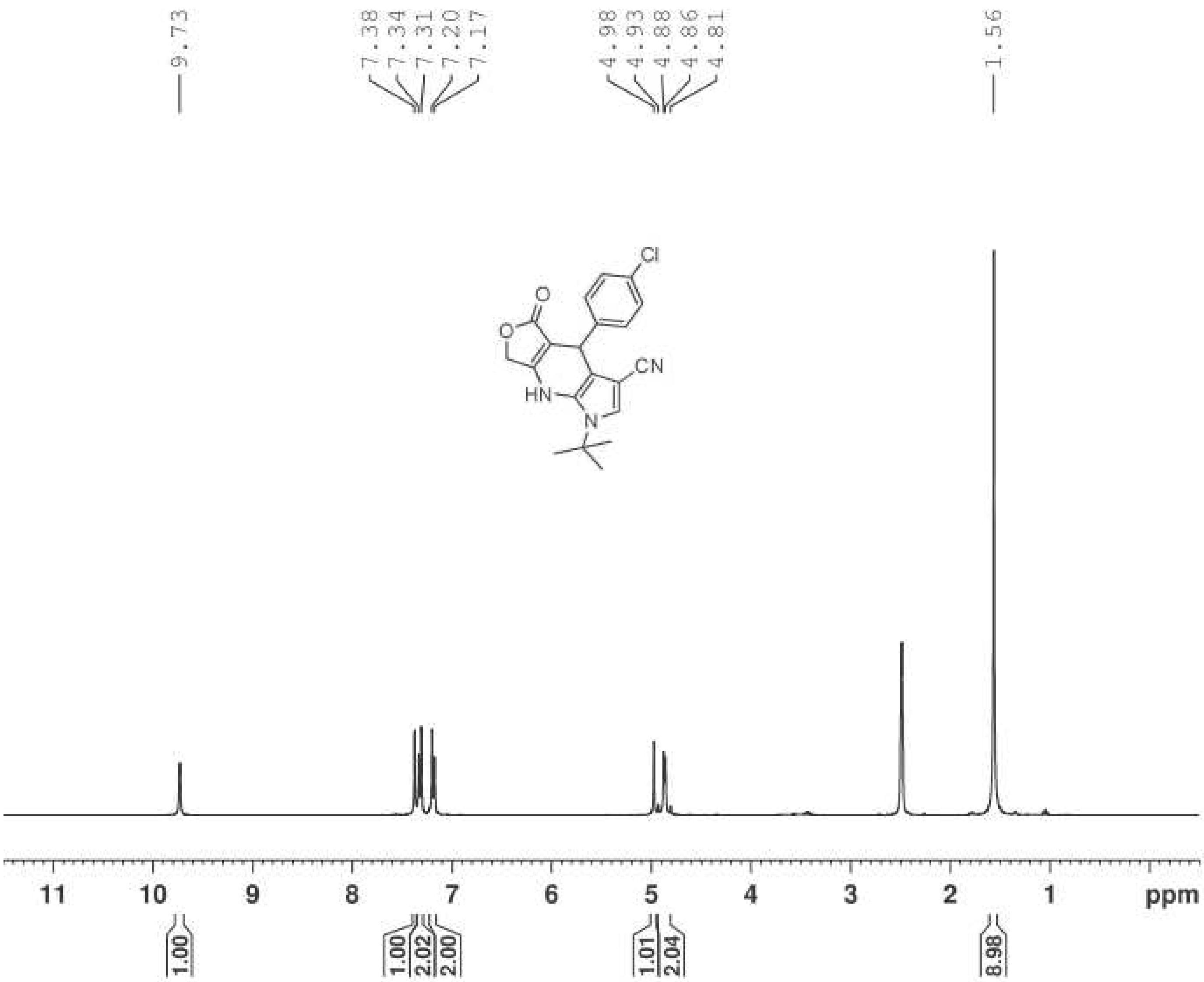

NAME	110328.u339
EXPNO	10
PROCNO	1
Date_	20110328
Time	15.47
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	128
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300098 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

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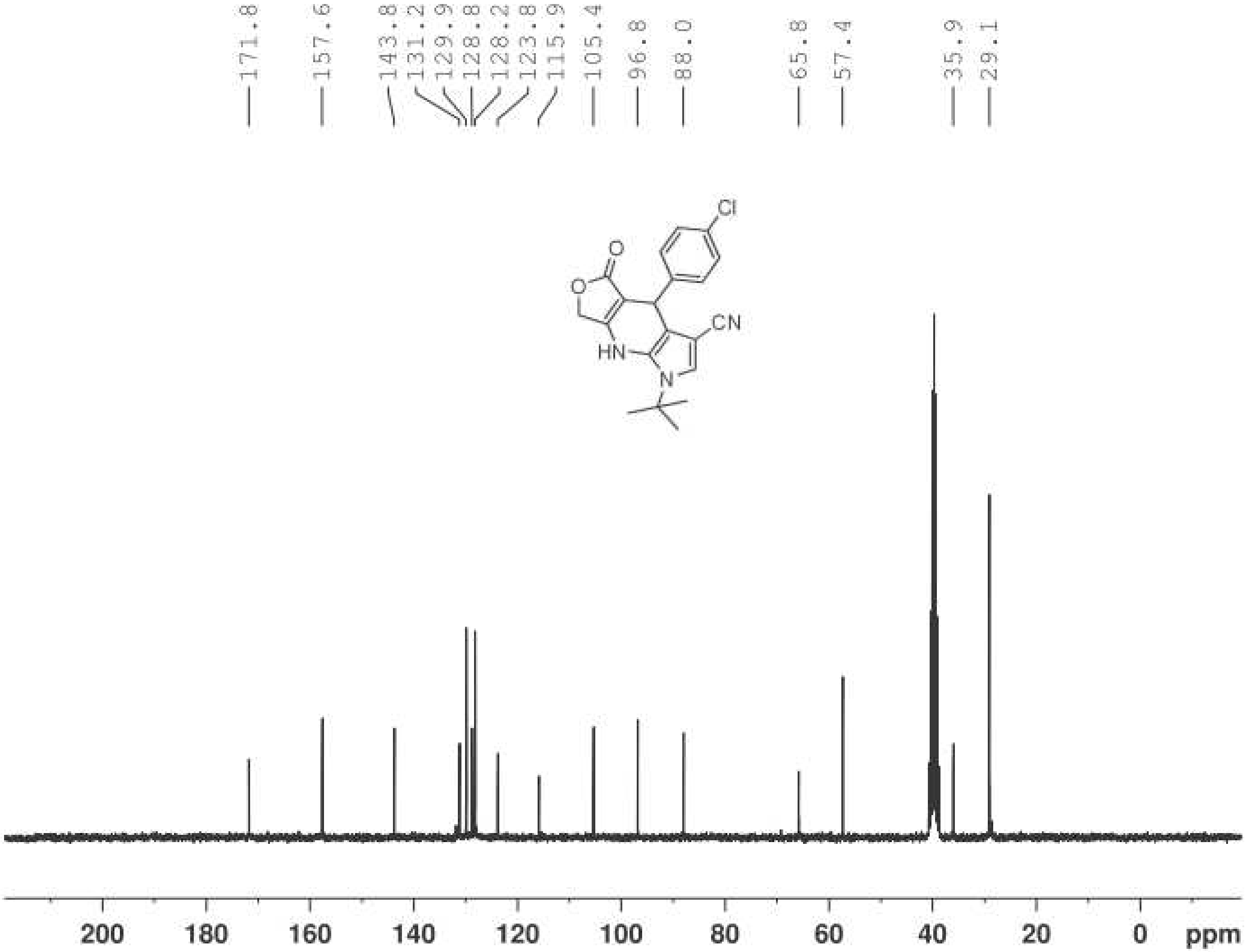


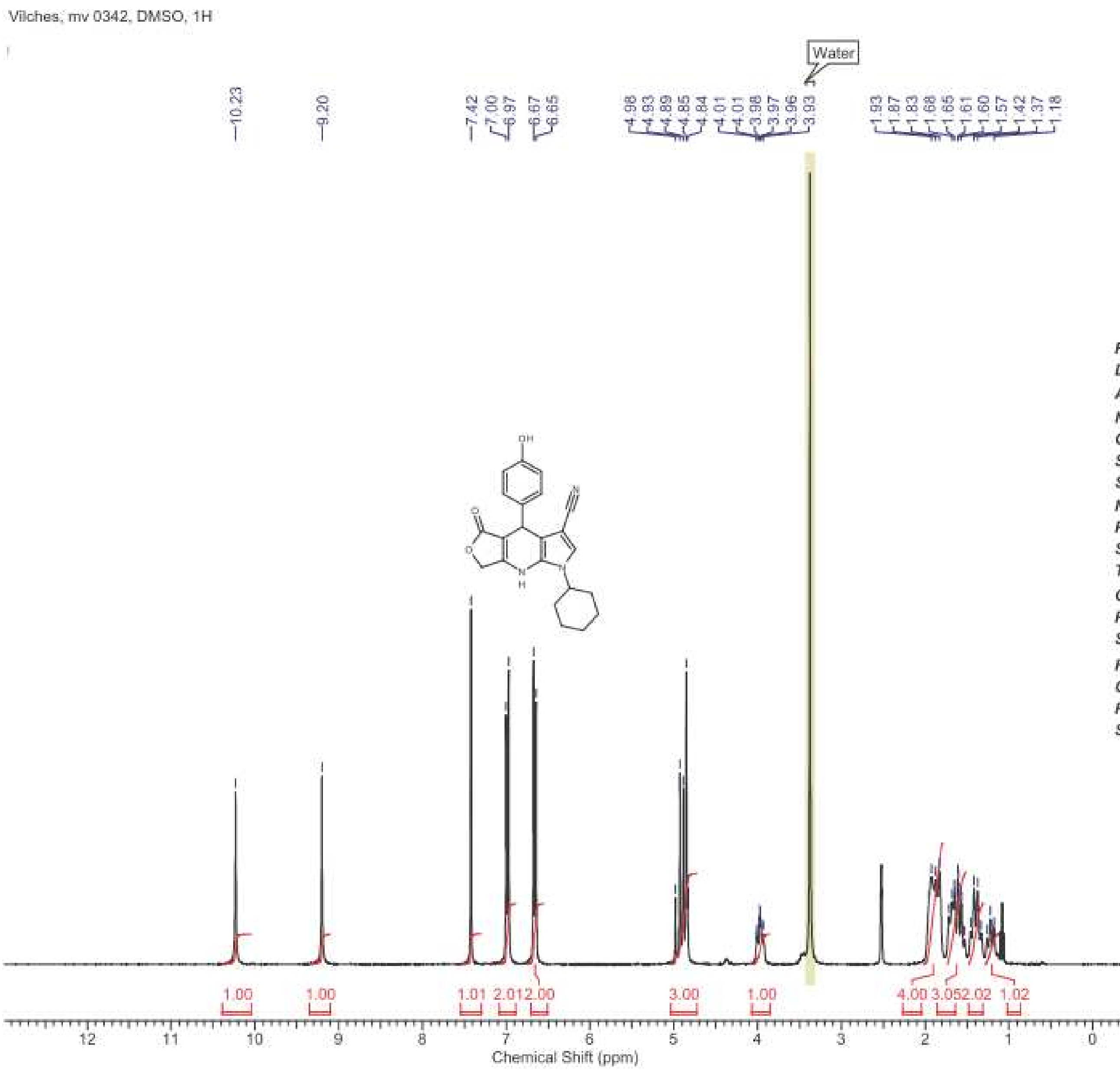
NAME	110330.219
EXPNO	10
PROCNO	1
Date_	20110330
Time	21.36
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	1024
DS	4
SWH	15000.000 Hz
FIDRES	0.228882 Hz
AQ	2.1845834 sec
RG	2050
DW	33.333 usec
DE	10.00 usec
TE	298.1 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1

======== CHANNEL f1 ========

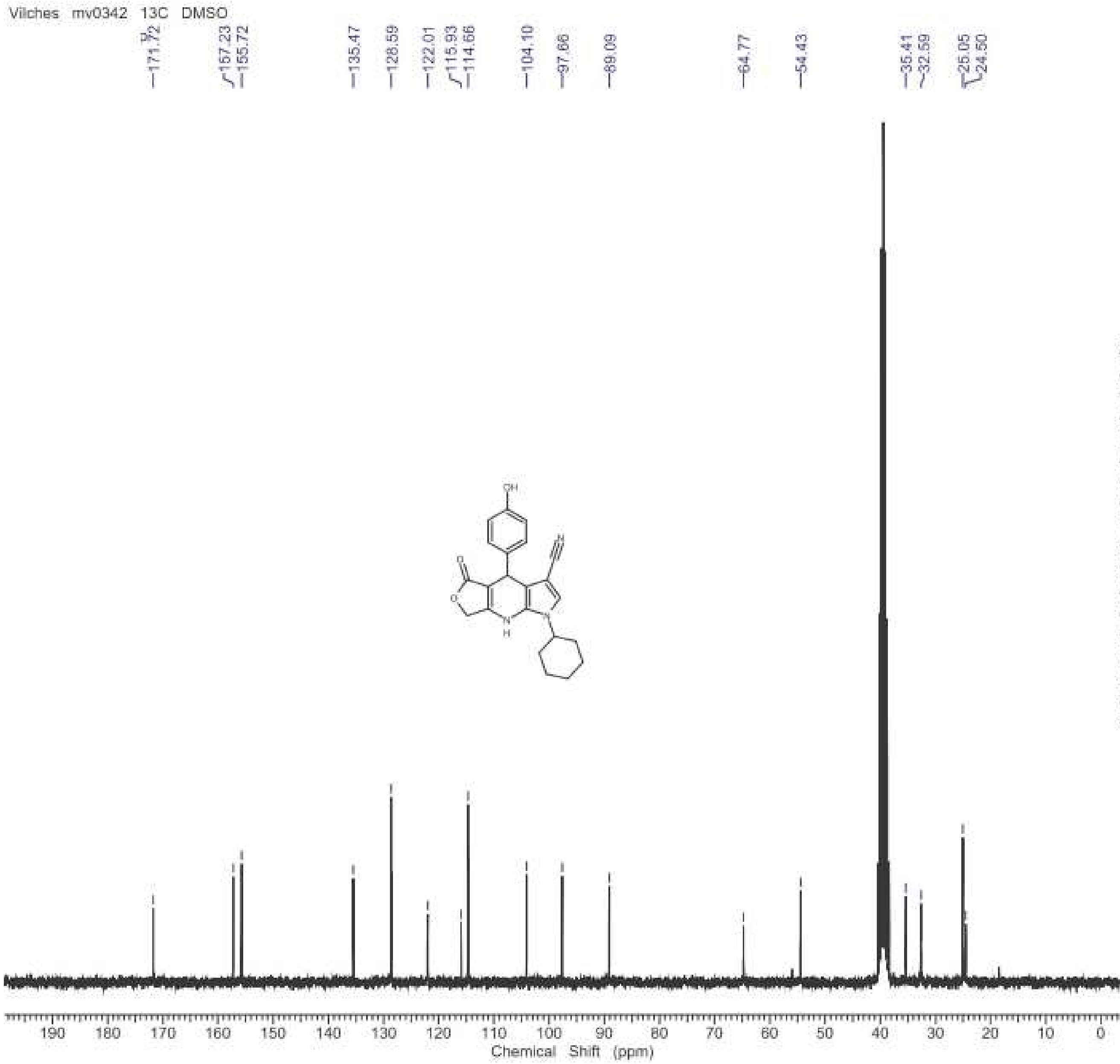
NUC1	13C
P1	10.00 usec
PL1	-1.00 dB
SFO1	62.9015280 MHz

======== CHANNEL f2 ========

CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	15.00 dB
PL13	15.00 dB
PL2	-2.50 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952577 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

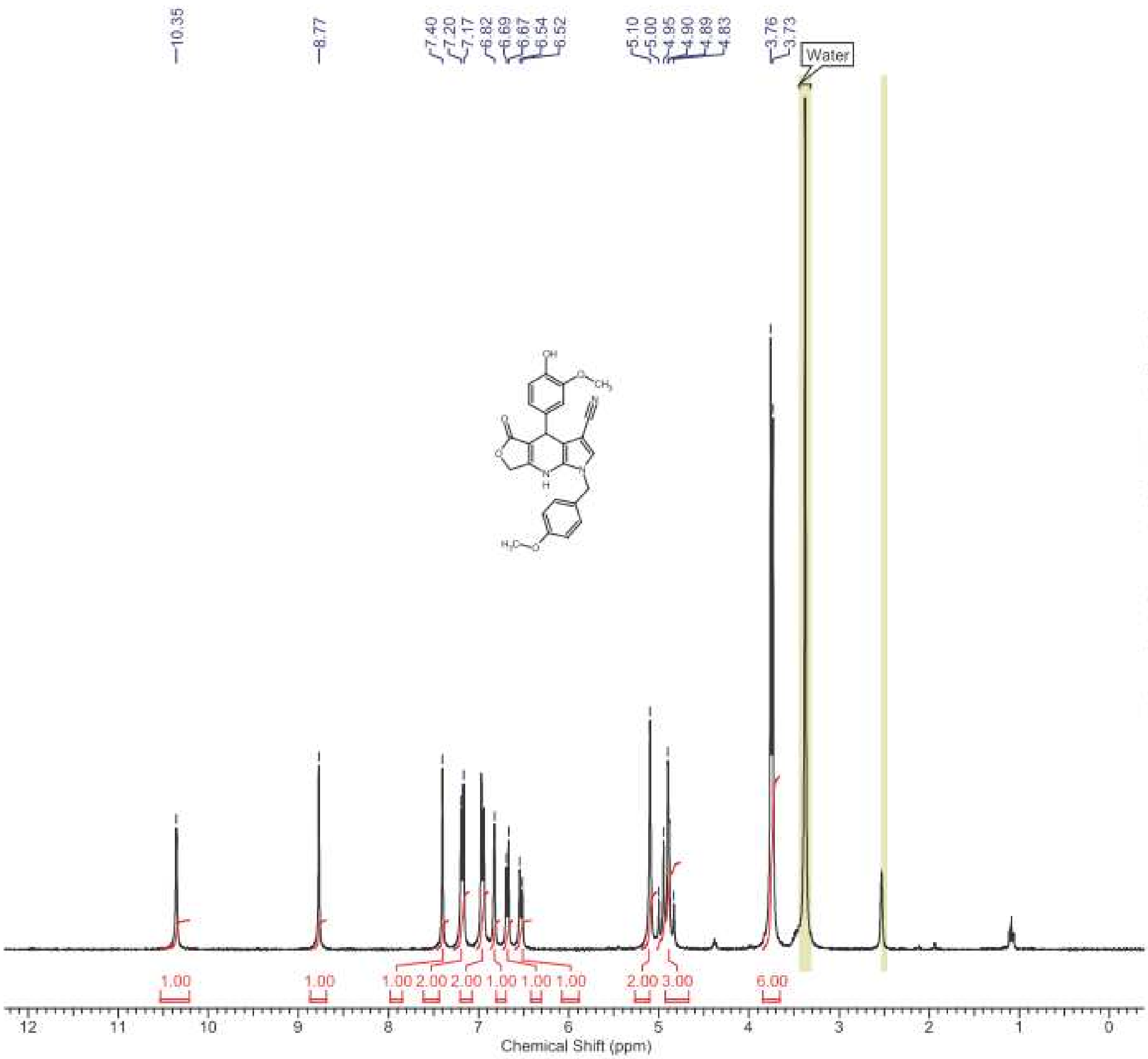


File Name	\120116.u333\10\pdata\1\1r
Date	16 Jan 2012 14:11:28
Acquisition Time (sec)	5.2953
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Sweep Width (Hz)	6187.93
Number of Transients	16
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zg30
Spectrum Offset (Hz)	1853.4248
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	50.80
Spectrum Type	STANDARD



File Name	\120117.205\10\pdata\1\1r
Acquisition Time (sec)	2.1845
Date	17 Jan 2012 17:25:36
Frequency (MHz)	62.90
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD
Nucleus	13C
Owner	nmr
SW(cyclical) (Hz)	15000.00
Sweep Width (Hz)	14999.54
Number of Transients	1024
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	6257.6045

Vilches mv0357-HAc 1H DMSO



File Name	120203.u320\10\pdata\1\1r
Date	03 Feb 2012 13:33:04
Acquisition Time (sec)	5.2953
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Sweep Width (Hz)	6187.93
Number of Transients	16
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zg30
Spectrum Offset (Hz)	1853.4248
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	90.50
Spectrum Type	STANDARD

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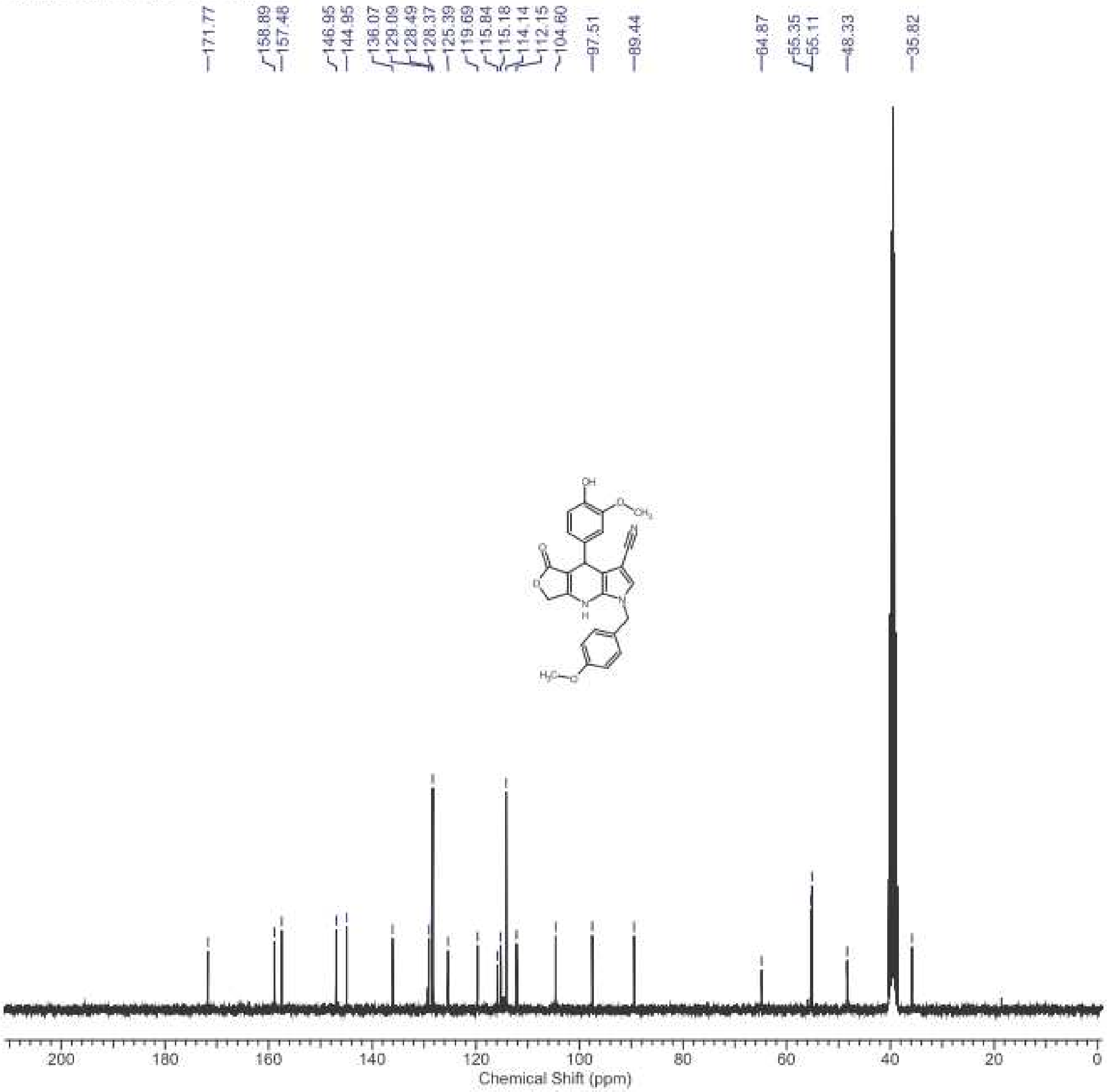
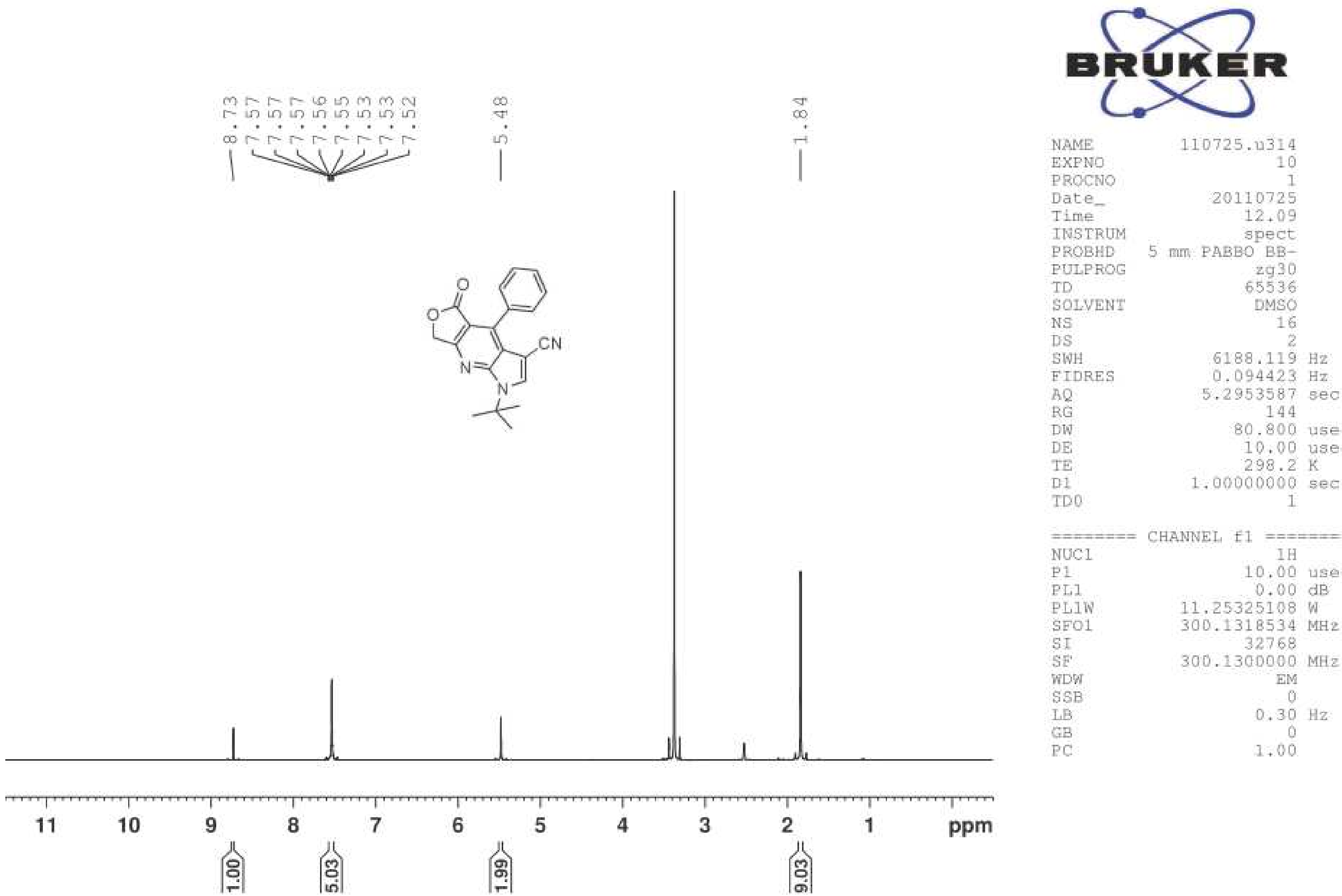
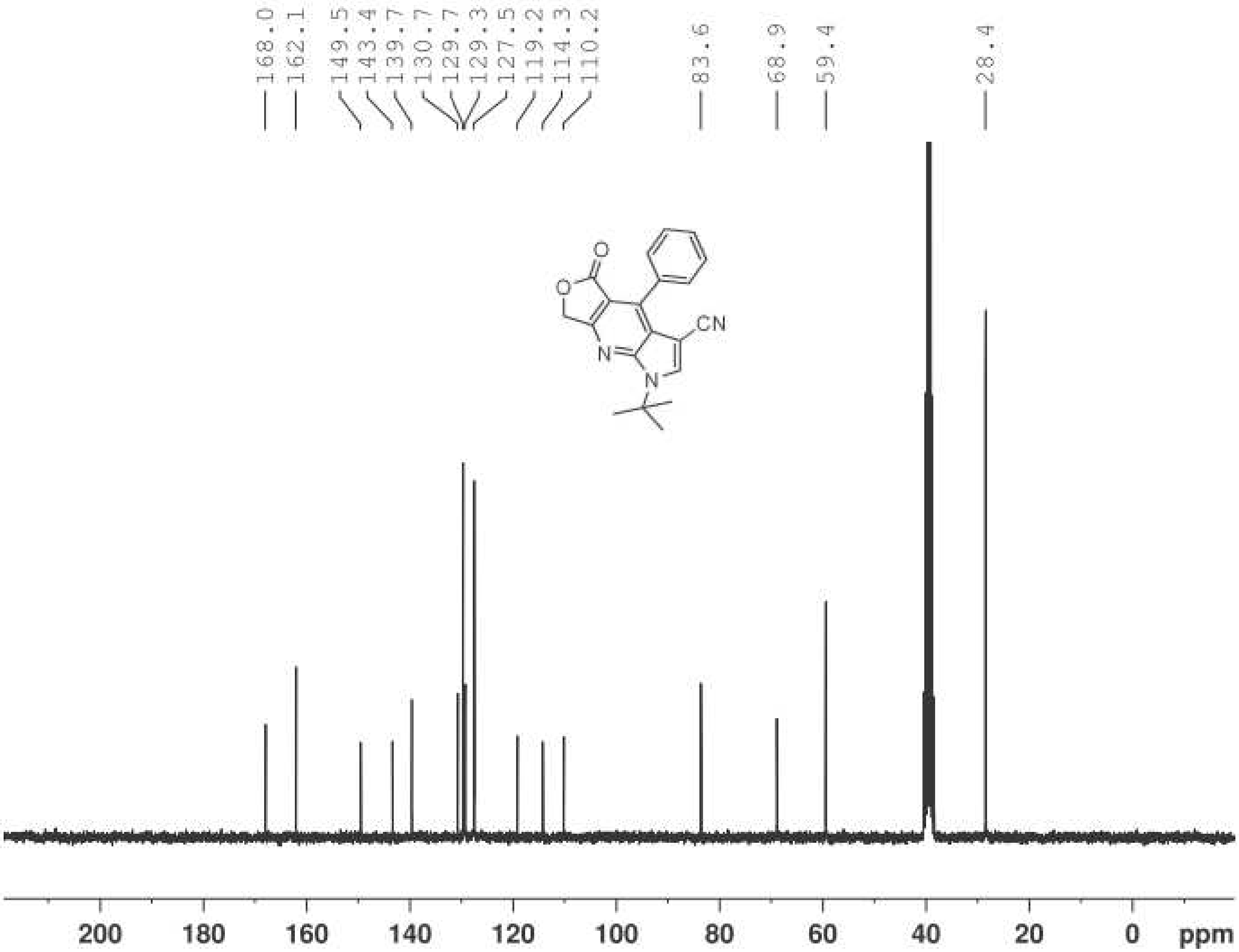
Vilches mv0357-HAc 13C DMSO



File Name	120203.u320\11\pdata\1\1r
Date	04 Feb 2012 22:11:28
Acquisition Time (sec)	1.8175
Frequency (MHz)	75.47
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD
Nucleus	13C
Owner	nmrsu
SW(cyclical) (Hz)	18028.85
Sweep Width (Hz)	18028.29
Number of Transients	1024
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	7508.5698


8.73
7.57
7.57
7.57
7.56
7.55
7.53
7.53
7.52
5.48
1.84
O
O
CN
N
N
11
10
9
8
7
6
5
4
3
2
1
ppm
1.00
5.03
1.99
9.03
BRUKER
NAME 110725.u314
EXPNO 10
PROCNO 1
Date_ 20110725
Time 12.09
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 144
DW 80.800 use
DE 10.00 use
TE 298.2 K
D1 1.00000000 sec
TD0 1
======== CHANNEL f1 =======
NUC1 1H
P1 10.00 use
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



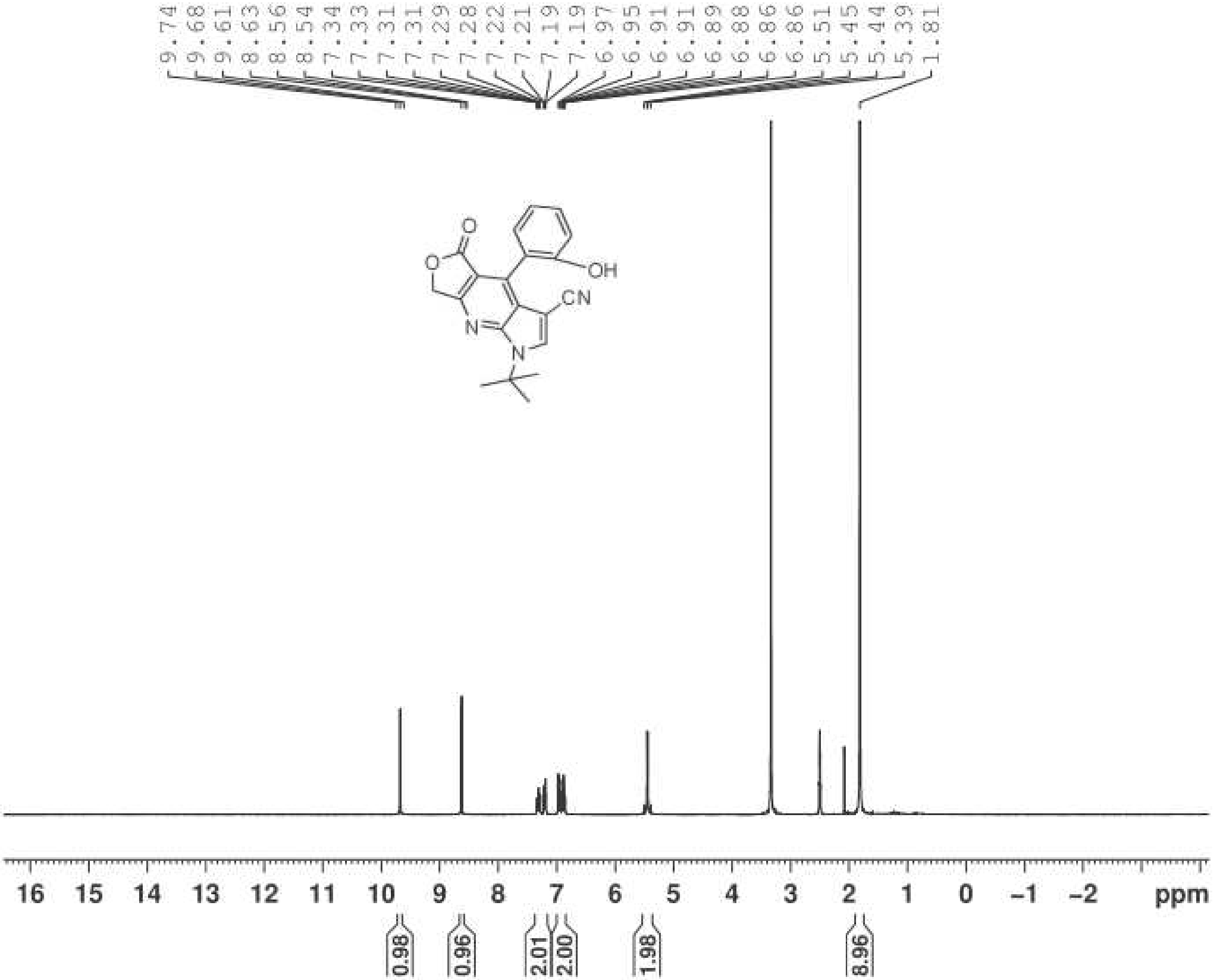
NAME	110725.214
EXPNO	10
PROCNO	1
Date_	20110726
Time	2.15
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	1024
DS	4
SWH	15000.000 Hz
FIDRES	0.228882 Hz
AQ	2.1845834 sec
RG	2050
DW	33.333 usec
DE	10.00 usec
TE	297.9 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1

======== CHANNEL f1 ========

NUC1	13C
P1	10.00 usec
PL1	-1.00 dB
SFO1	62.9015280 MHz

======== CHANNEL f2 ========

CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	15.00 dB
PL13	15.00 dB
PL2	-2.50 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952704 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

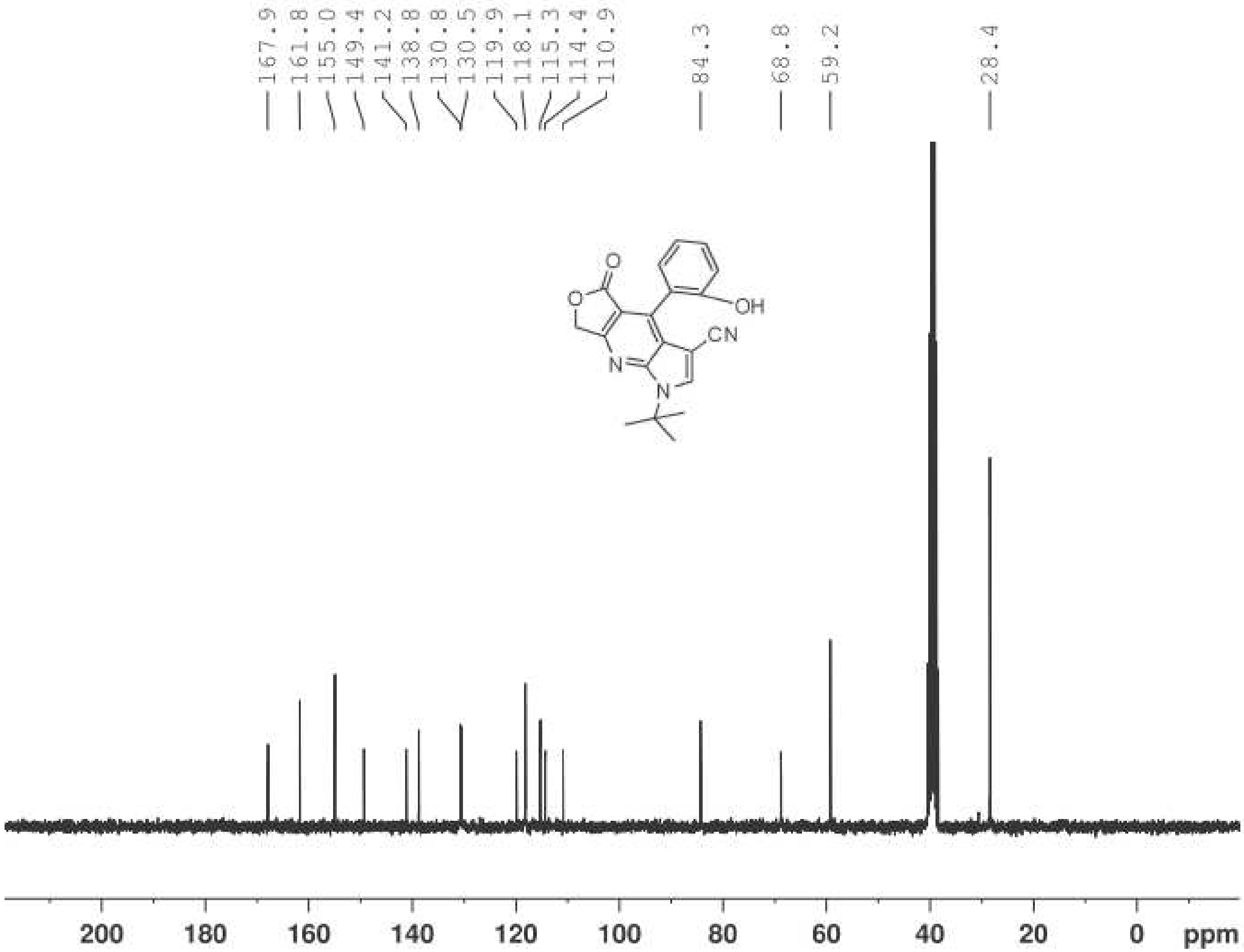


NAME	110804.u305
EXPNO	10
PROCNO	1
Date_	20110804
Time	10.46
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	161
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1

======== CHANNEL f1 ========

NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300079 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

80



81

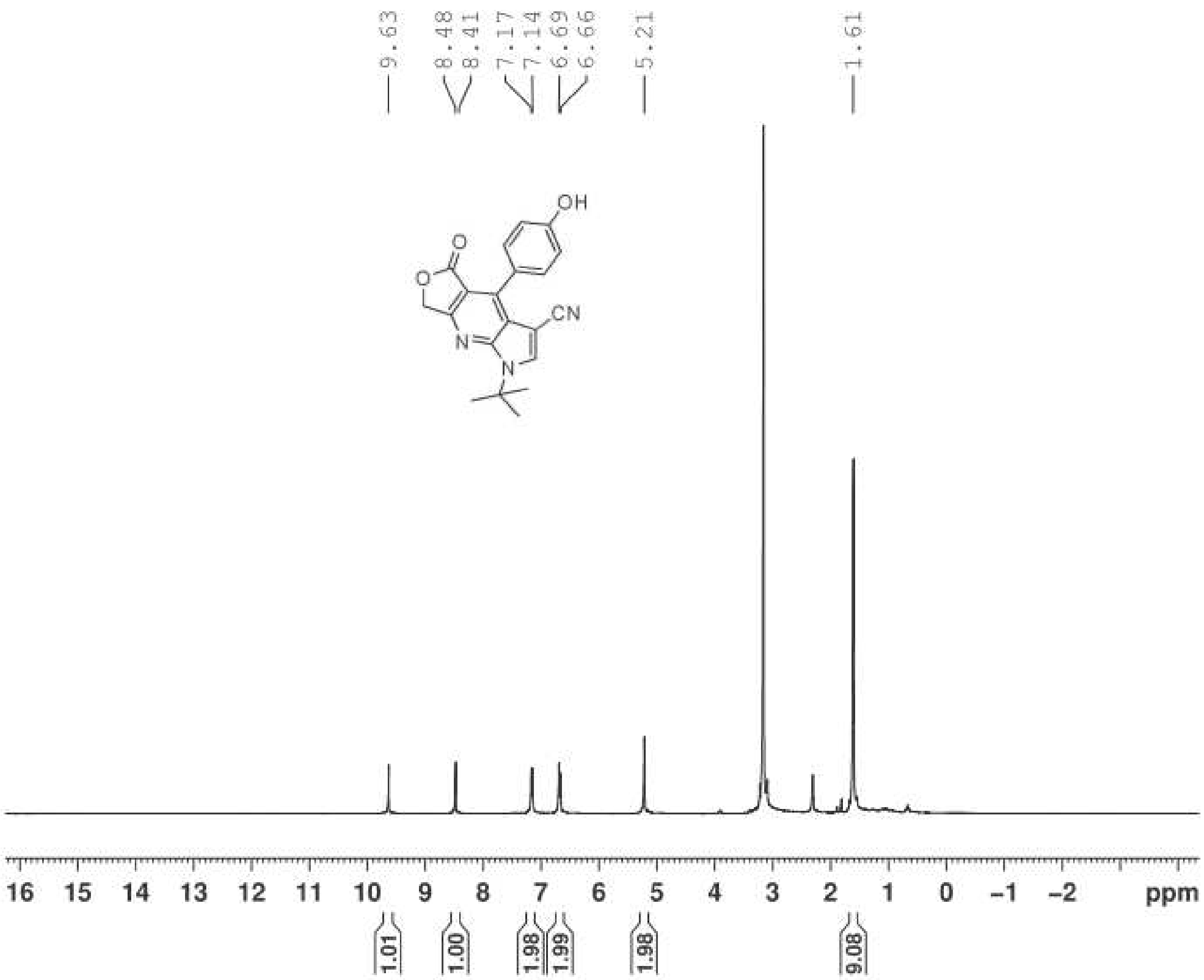
NAME	110725.212
EXPNO	10
PROCNO	1
Date_	20110725
Time	23.01
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	1024
DS	4
SWH	15000.000 Hz
FIDRES	0.228882 Hz
AQ	2.1845834 sec
RG	2050
DW	33.333 usec
DE	10.00 usec
TE	298.0 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1

======== CHANNEL f1 ========

NUC1	13C
P1	10.00 usec
PL1	-1.00 dB
SFO1	62.9015280 MHz

======== CHANNEL f2 ========

CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	15.00 dB
PL13	15.00 dB
PL2	-2.50 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952704 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

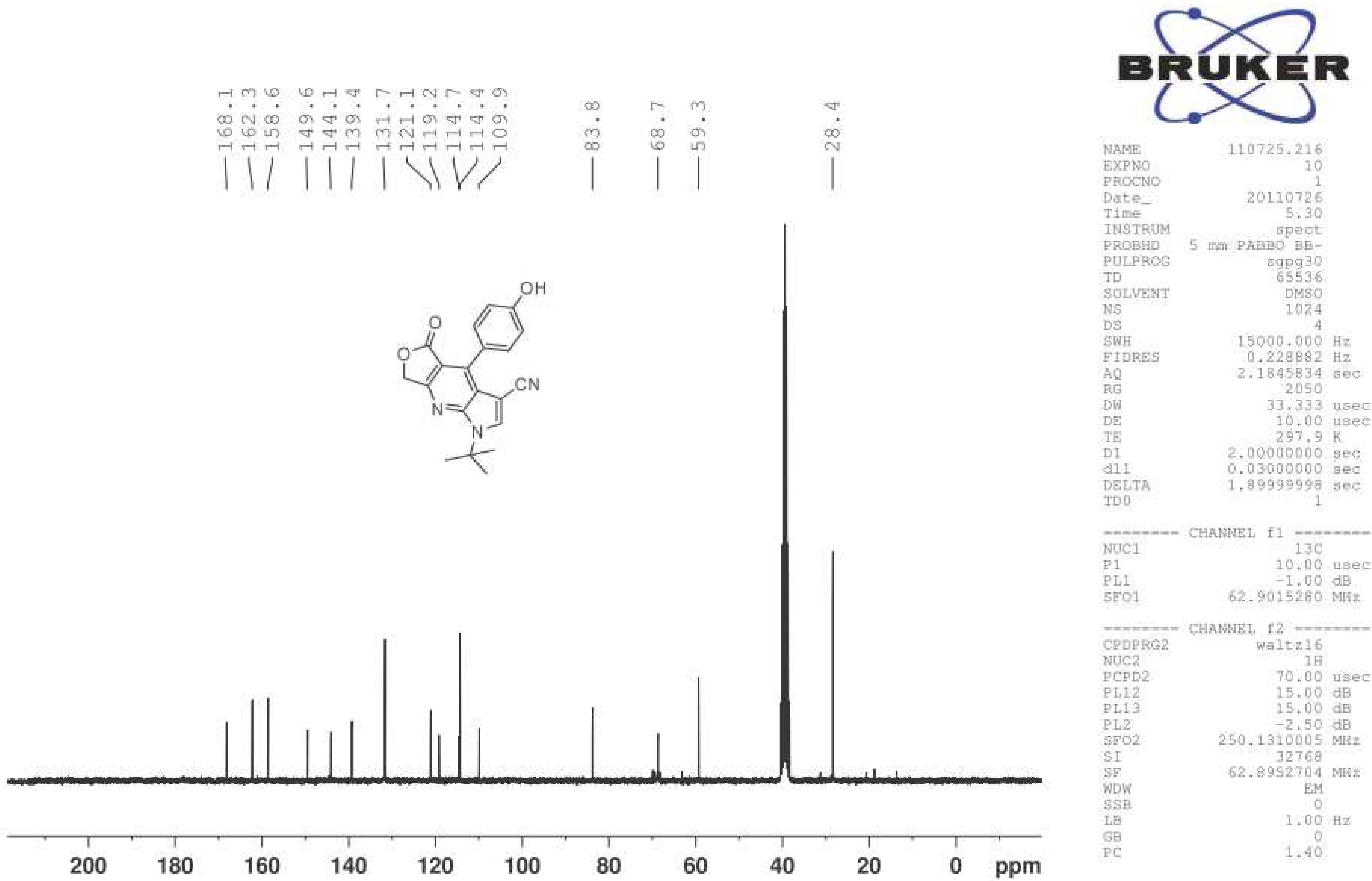


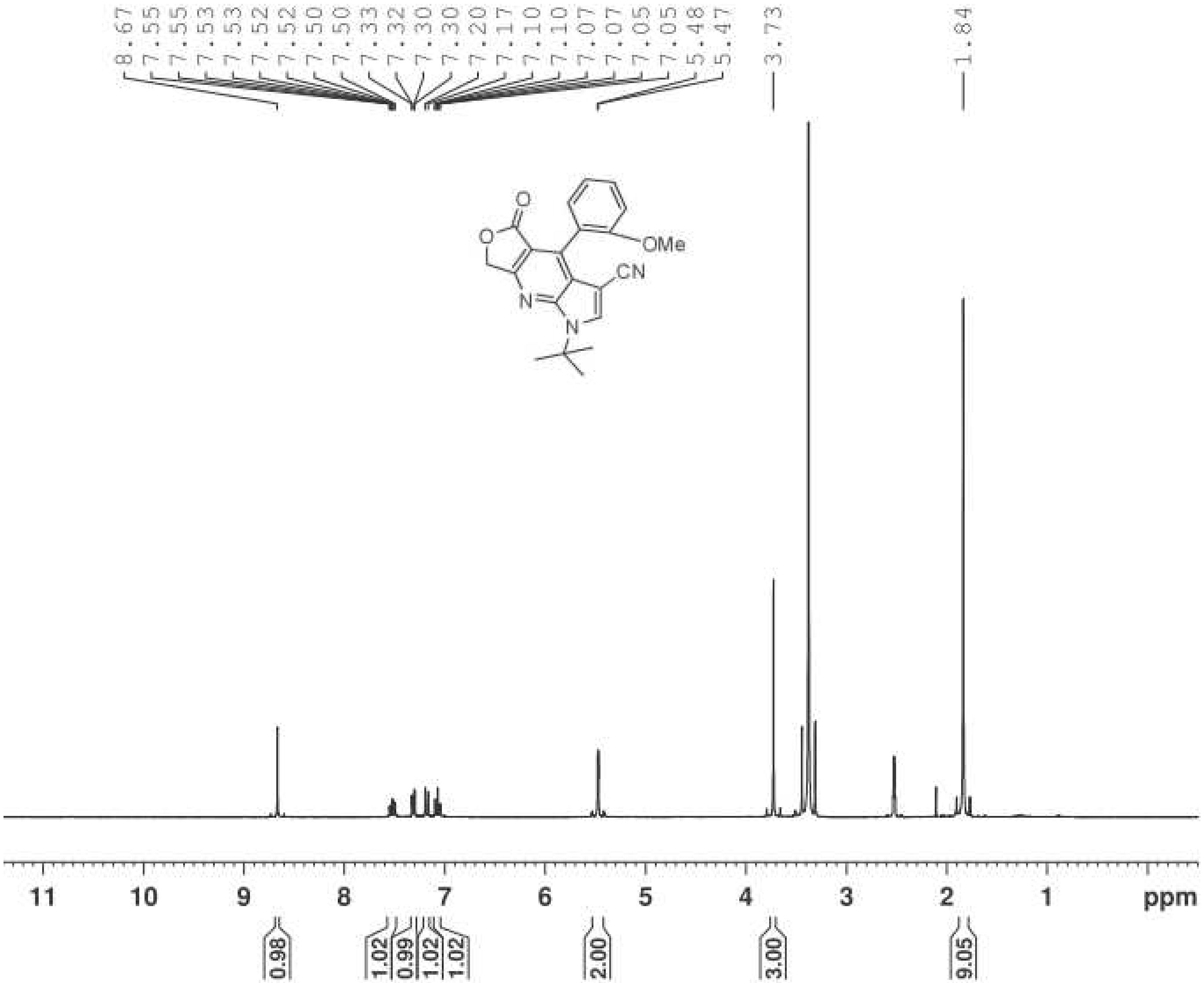
NAME	110725.u316
EXPNO	10
PROCNO	1
Date_	20110725
Time	12.19
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	144
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300713 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

83


168.1
162.3
158.6
149.6
144.1
139.4
131.7
121.1
119.2
114.7
114.4
109.9
83.8
68.7
59.3
28.4
OH
O
O
CN
N
N
200 180 160 140 120 100 80 60 40 20 0 ppm
BRUKER
NAME 110725.216
EXPNO 10
PROCNO 1
Date_ 20110726
Time 5.30
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 15000.000 Hz
FIDRES 0.228882 Hz
AQ 2.1845834 sec
RG 2050
DW 33.333 usec
DE 10.00 usec
TE 297.9 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1
======== CHANNEL f1 ========
NUC1 13C
P1 10.00 usec
PL1 -1.00 dB
SFO1 62.9015280 MHz
======== CHANNEL f2 ========
CPDPRG2 waltz16
NUC2 1H
PCPD2 70.00 usec
PL12 15.00 dB
PL13 15.00 dB
PL2 -2.50 dB
SFO2 250.1310005 MHz
SI 32768
SF 62.8952704 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



NAME	110725.u313
EXPNO	10
PROCNO	1
Date_	20110725
Time	11.50
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	144
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1

======== CHANNEL f1 ========

NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300000 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

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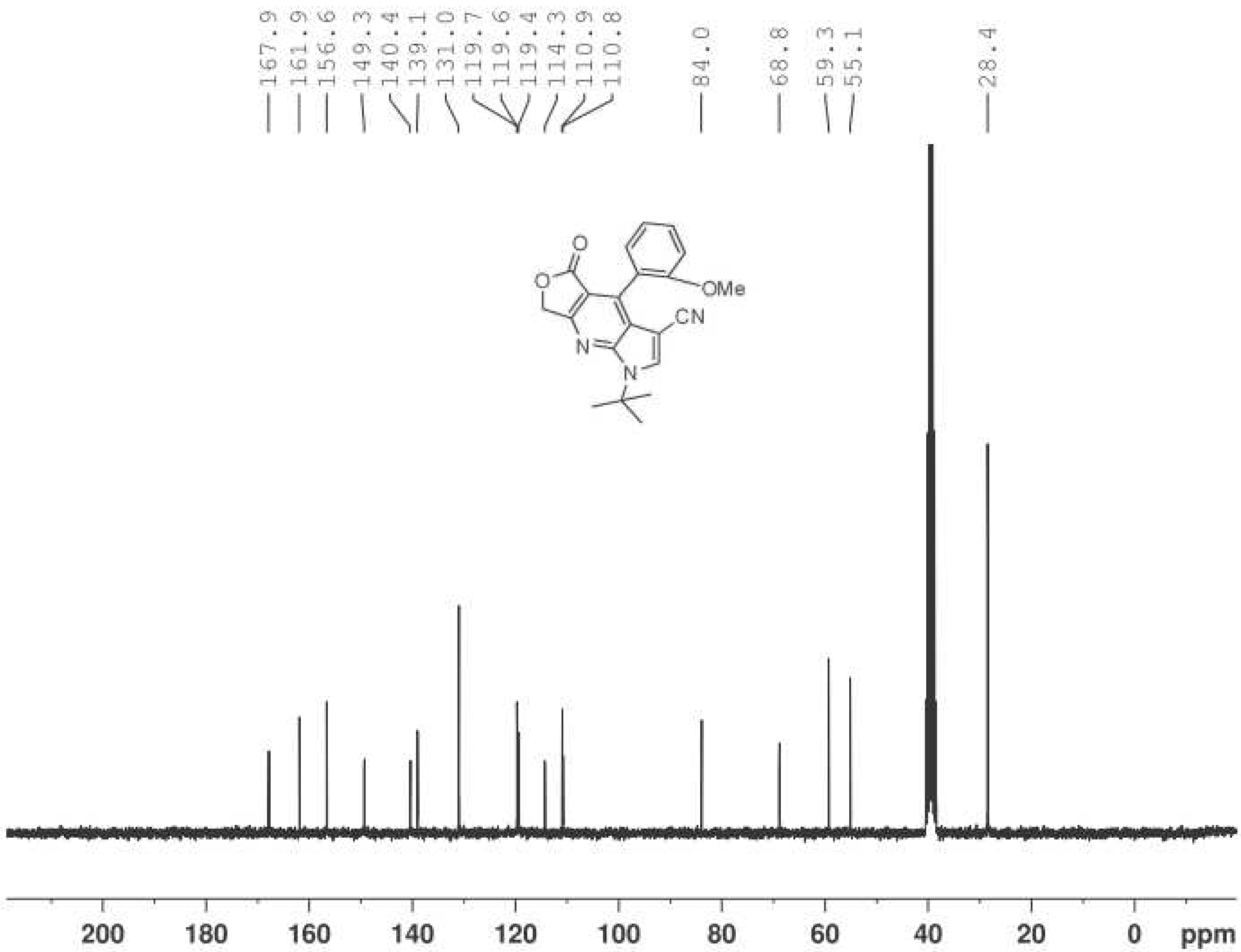
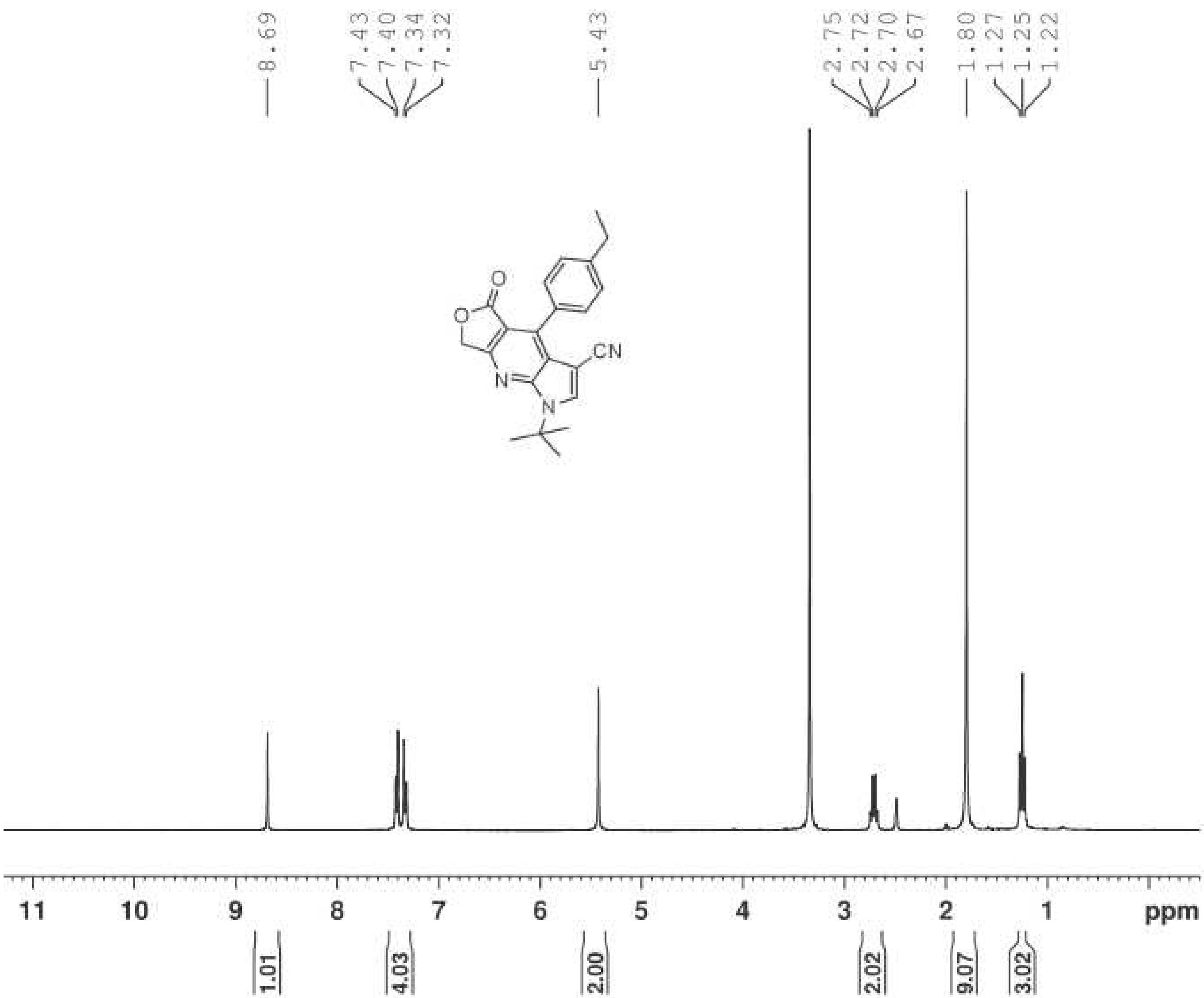


NAME	110725.213	
EXPNO	10	
PROCNO	1	
Date_	20110726	
Time	0.38	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	DMSO	
NS	1024	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	297.9	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	
======== CHANNEL f1 ========		
NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz
======== CHANNEL f2 ========		
CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952704	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	



BRUKER

NAME	110720.u302
EXPNO	10
PROCNO	1
Date_	20110720
Time	8.07
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	90.5
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300121 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

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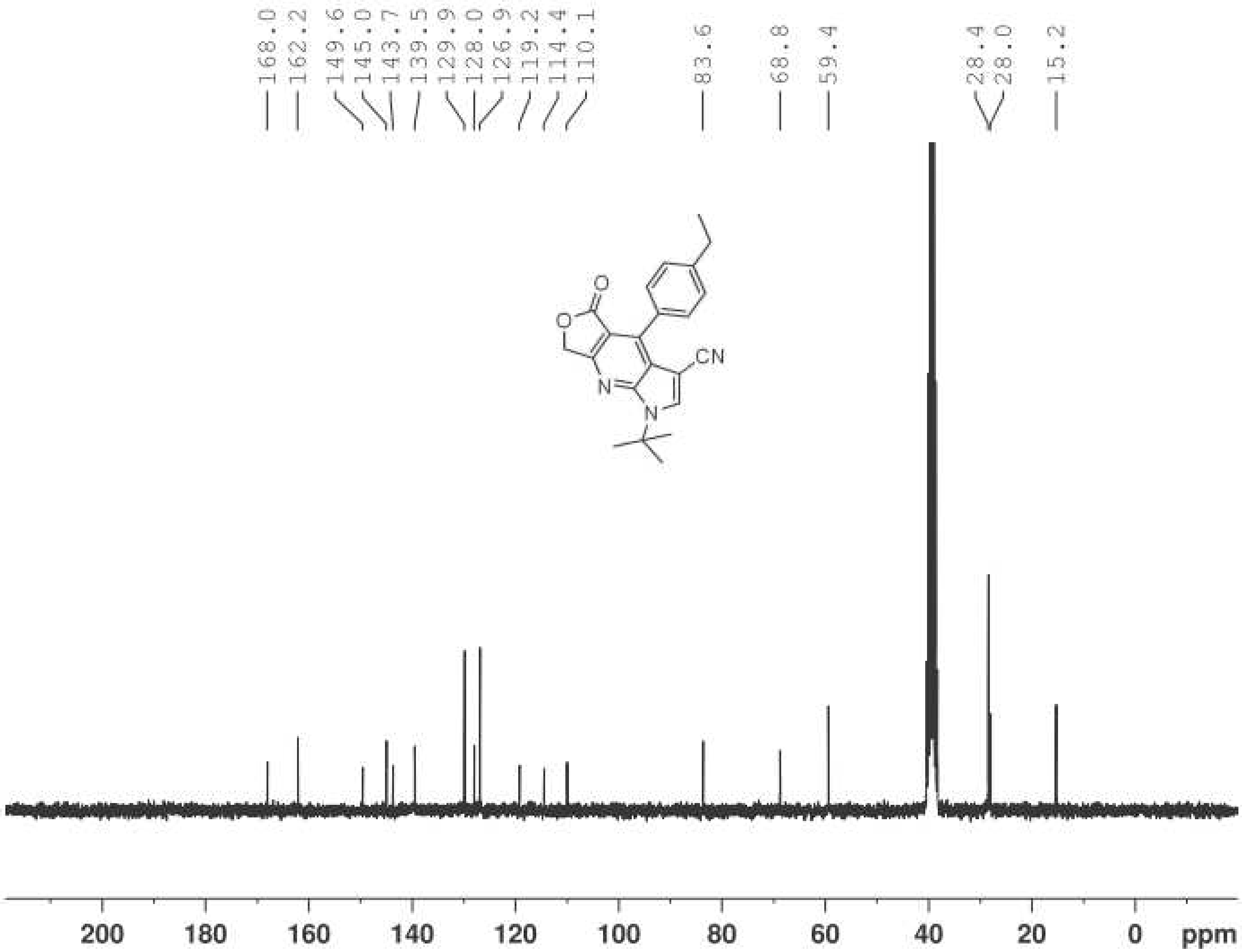
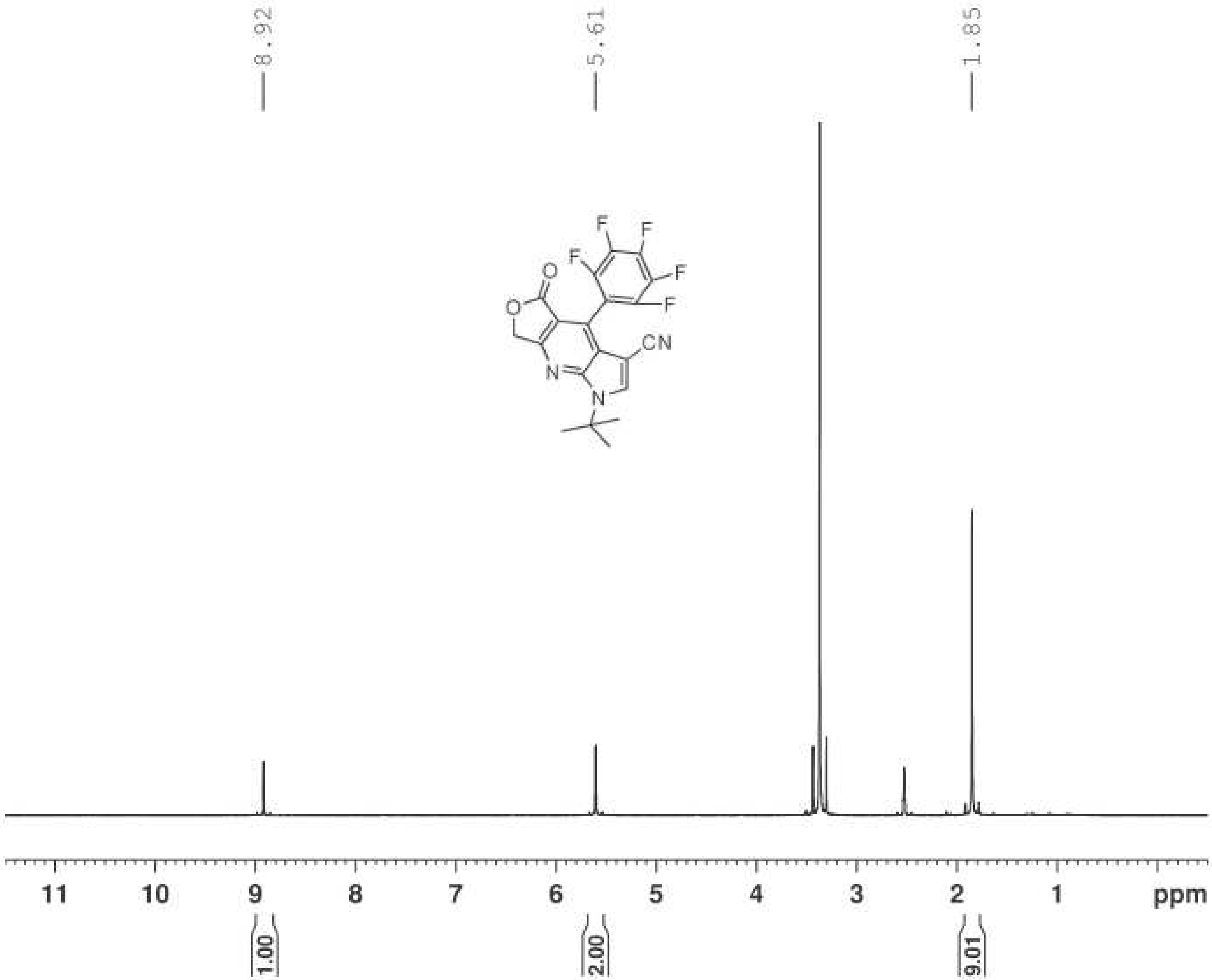


NAME 110720.205
EXPNO 10
PROCNO 1
Date_ 20110720
Time 16.51
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 15000.000 Hz
FIDRES 0.228882 Hz
AQ 2.1845834 sec
RG 2050
DW 33.333 usec
DE 10.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

======== CHANNEL f1 ========
NUC1 13C
P1 10.00 usec
PL1 -1.00 dB
SFO1 62.9015280 MHz

======== CHANNEL f2 ========
CPDPRG2 waltz16
NUC2 1H
PCPD2 70.00 usec
PL12 15.00 dB
PL13 15.00 dB
PL2 -2.50 dB
SFO2 250.1310005 MHz
SI 32768
SF 62.8952704 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



NAME	110725.u317
EXPNO	10
PROCNO	1
Date_	20110725
Time	12.24
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	144
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300000 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

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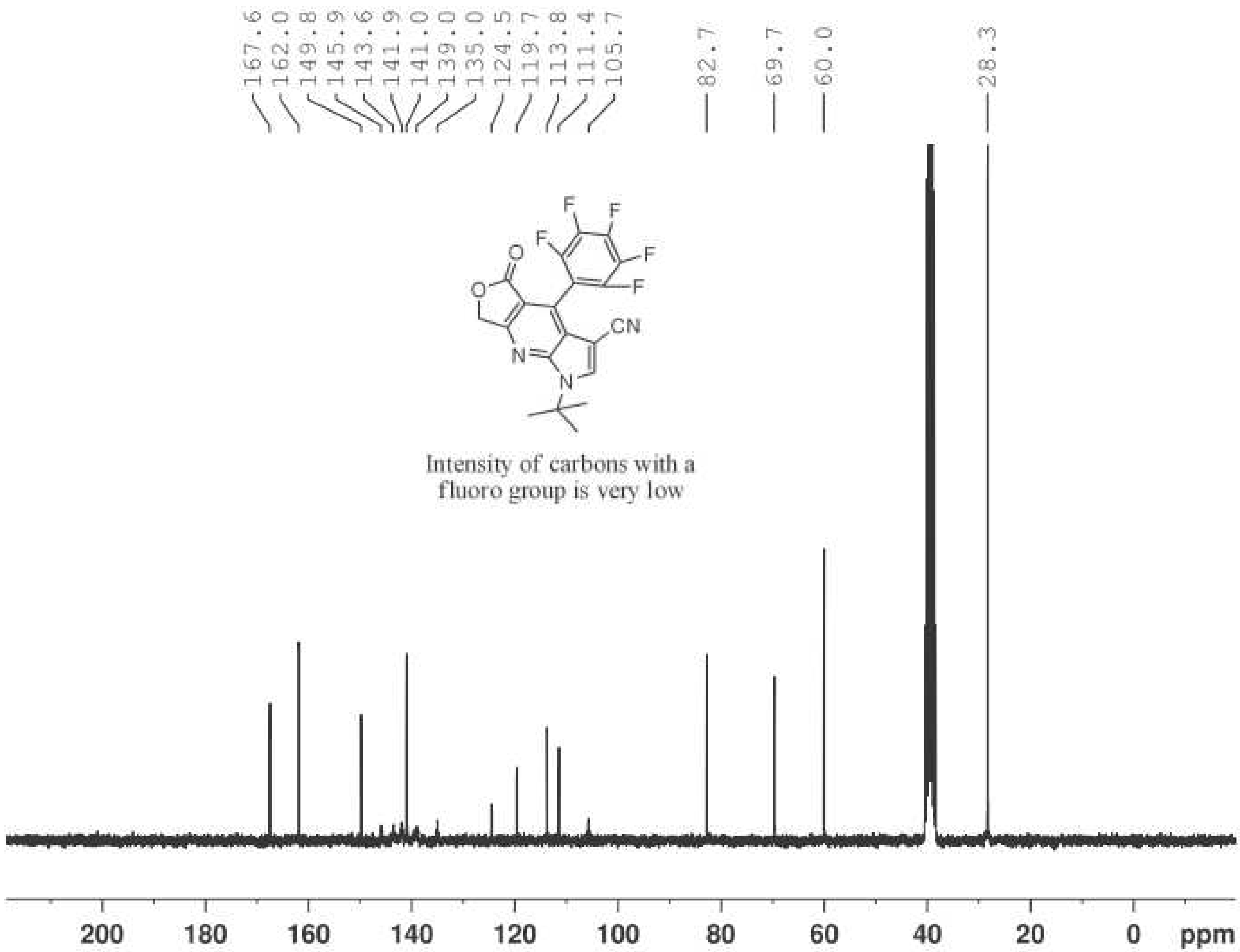


BRUKER

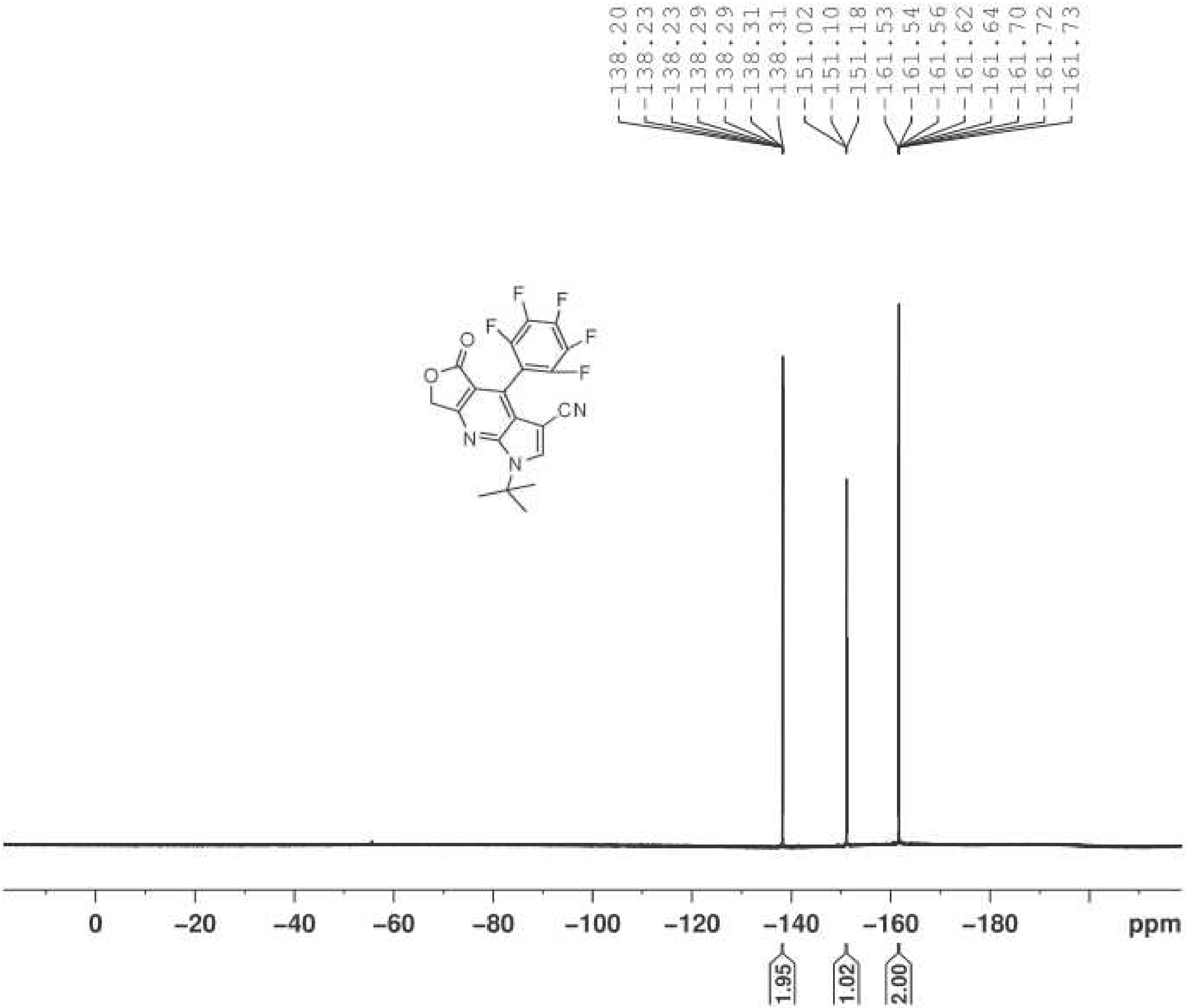
NAME	110725.217
EXPNO	10
PROCNO	1
Date_	20110726
Time	8.52
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	2500
DS	4
SWH	15000.000 Hz
FIDRES	0.228882 Hz
AQ	2.1845834 sec
RG	2050
DW	33.333 usec
DE	10.00 usec
TE	297.9 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1

======== CHANNEL f1 ========

NUC1	13C
P1	10.00 usec
PL1	-1.00 dB
SFO1	62.9015280 MHz

======== CHANNEL f2 ========

CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	15.00 dB
PL13	15.00 dB
PL2	-2.50 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952704 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40



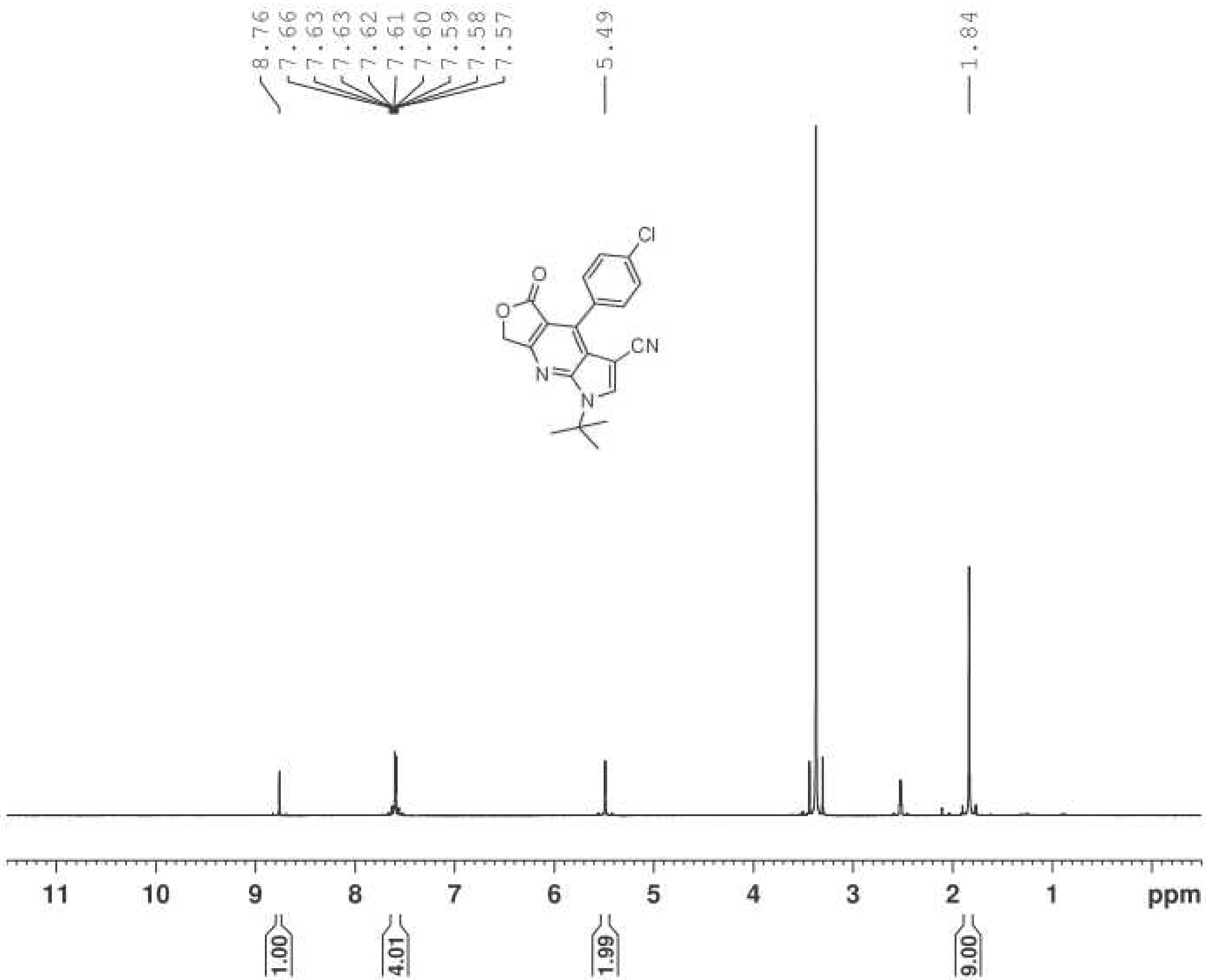
NAME	110728.u322
EXPNO	10
PROCNO	1
Date_	20110728
Time	15.11
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgfhigqn
TD	131072
SOLVENT	DMSO
NS	80
DS	4
SWH	66964.289 Hz
FIDRES	0.510897 Hz
AQ	0.9787210 sec
RG	2050
DW	7.467 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
D11	0.03000000 sec
D12	0.00002000 sec
TD0	1

======== CHANNEL f1 ========

NUC1	19F
P1	10.00 usec
PL1	-3.00 dB
PL1W	15.53680420 W
SFO1	282.3761148 MHz

======== CHANNEL f2 ========

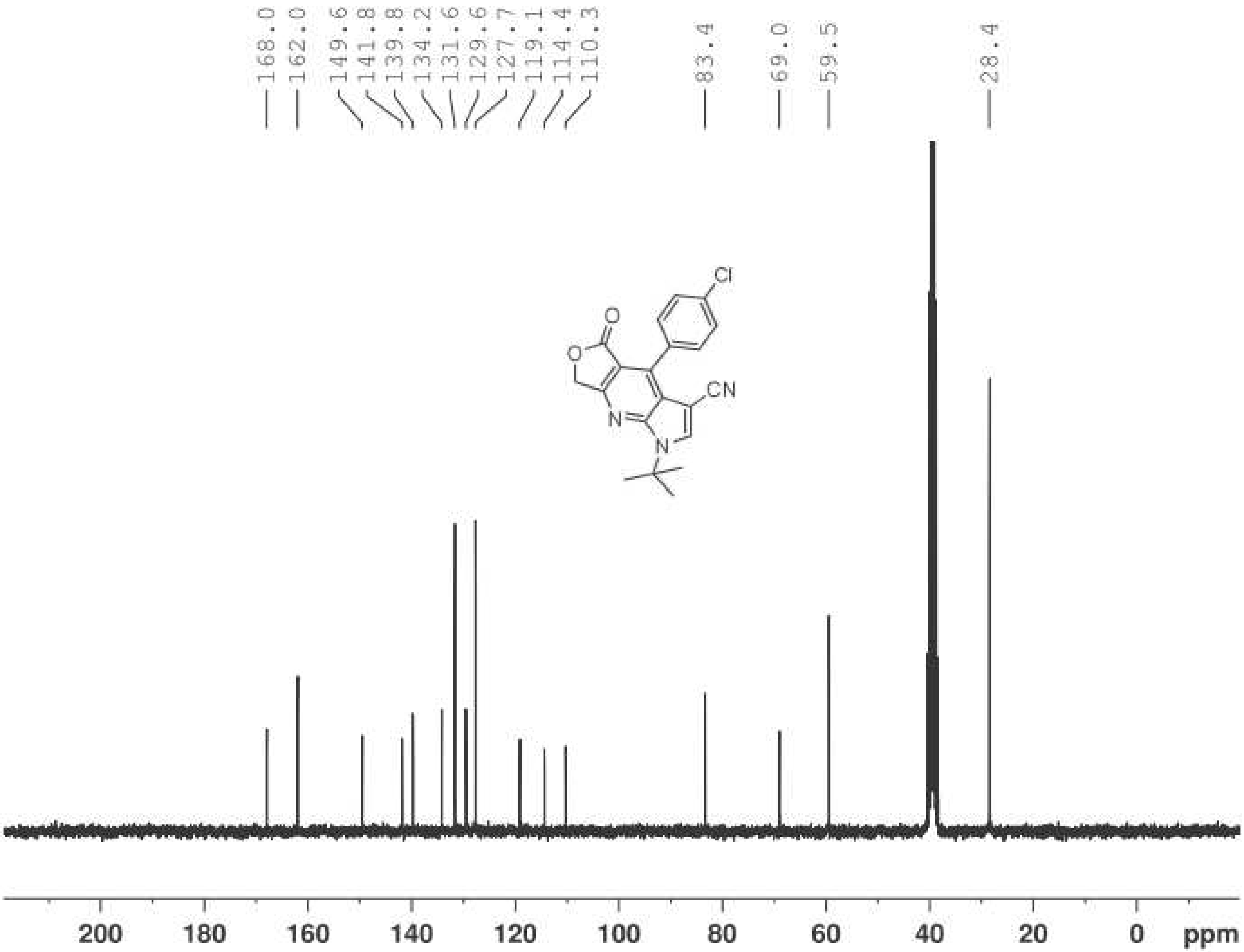
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
SFO2	300.1312005 MHz
SI	65536
SF	282.4043550 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00



NAME	110725.u315	
EXPNO	10	
PROCNO	1	
Date_	20110725	
Time	12.14	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zg30	
TD	65536	
SOLVENT	DMSO	
NS	16	
DS	2	
SWH	6188.119	Hz
FIDRES	0.094423	Hz
AQ	5.2953587	sec
RG	144	
DW	80.800	use
DE	10.00	use
TE	298.2	K
D1	1.00000000	sec
TD0	1	

======== CHANNEL f1 ========

NUC1	1H	
P1	10.00	use
PL1	0.00	dB
PL1W	11.25325108	W
SFO1	300.1318534	MHz
SI	32768	
SF	300.1300000	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	



NAME	110725.215	
EXPNO	10	
PROCNO	1	
Date_	20110726	
Time	3.53	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	DMSO	
NS	1024	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	297.9	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	
======== CHANNEL f1 ========		
NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz
======== CHANNEL f2 ========		
CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952704	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	

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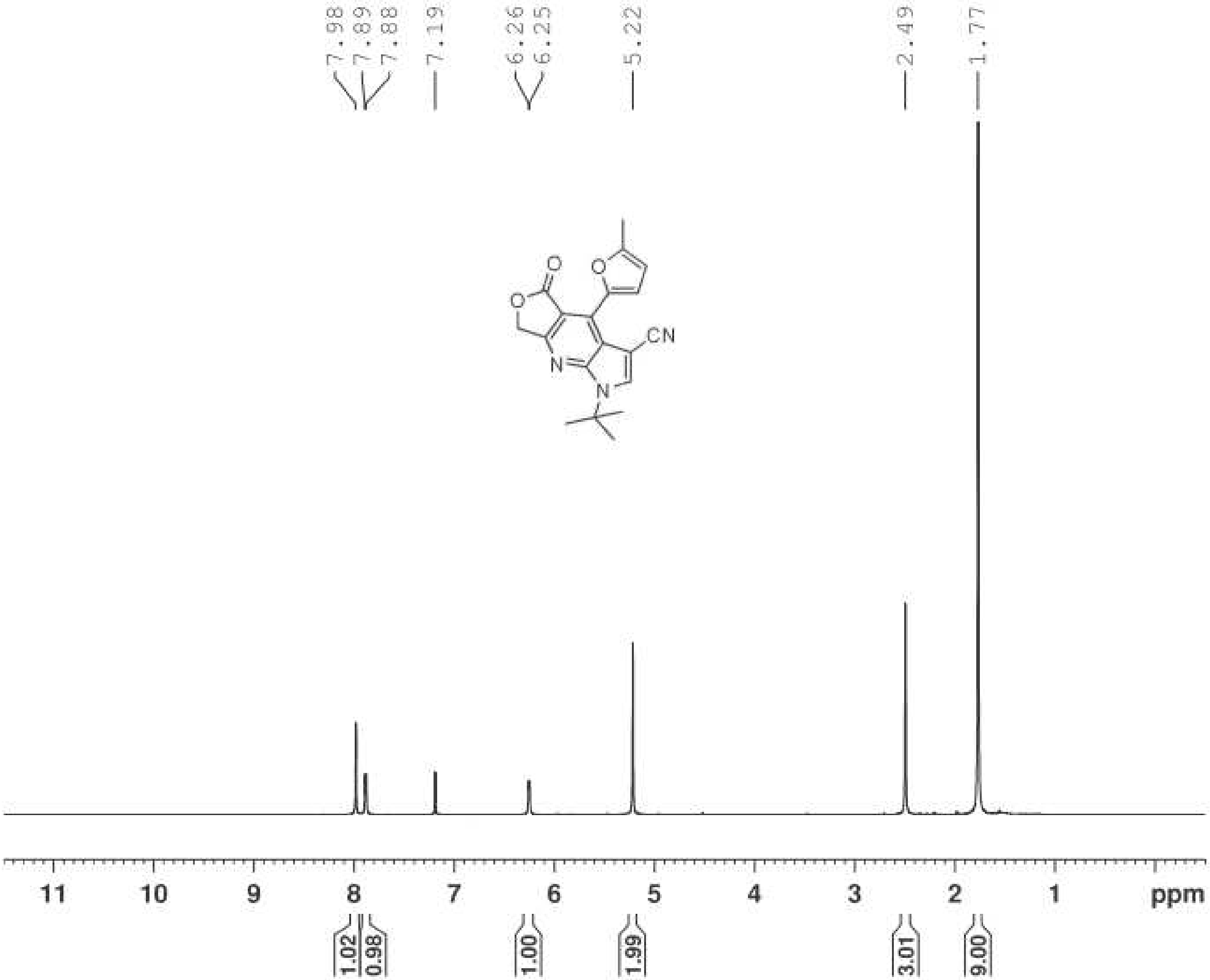

BRUKER

NAME	110328.u332	
EXPNO	10	
PROCNO	1	
Date_	20110328	
Time	15.05	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zg30	
TD	65536	
SOLVENT	CDCl3	
NS	16	
DS	2	
SWH	6188.119	Hz
FIDRES	0.094423	Hz
AQ	5.2953587	sec
RG	181	
DW	80.800	use
DE	10.00	use
TE	298.2	K
D1	1.00000000	sec
TD0	1	

======== CHANNEL f1 ========

NUC1	1H	
P1	10.00	use
PL1	0.00	dB
PL1W	11.25325108	W
SFO1	300.1318534	MHz
SI	32768	
SF	300.1300301	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	

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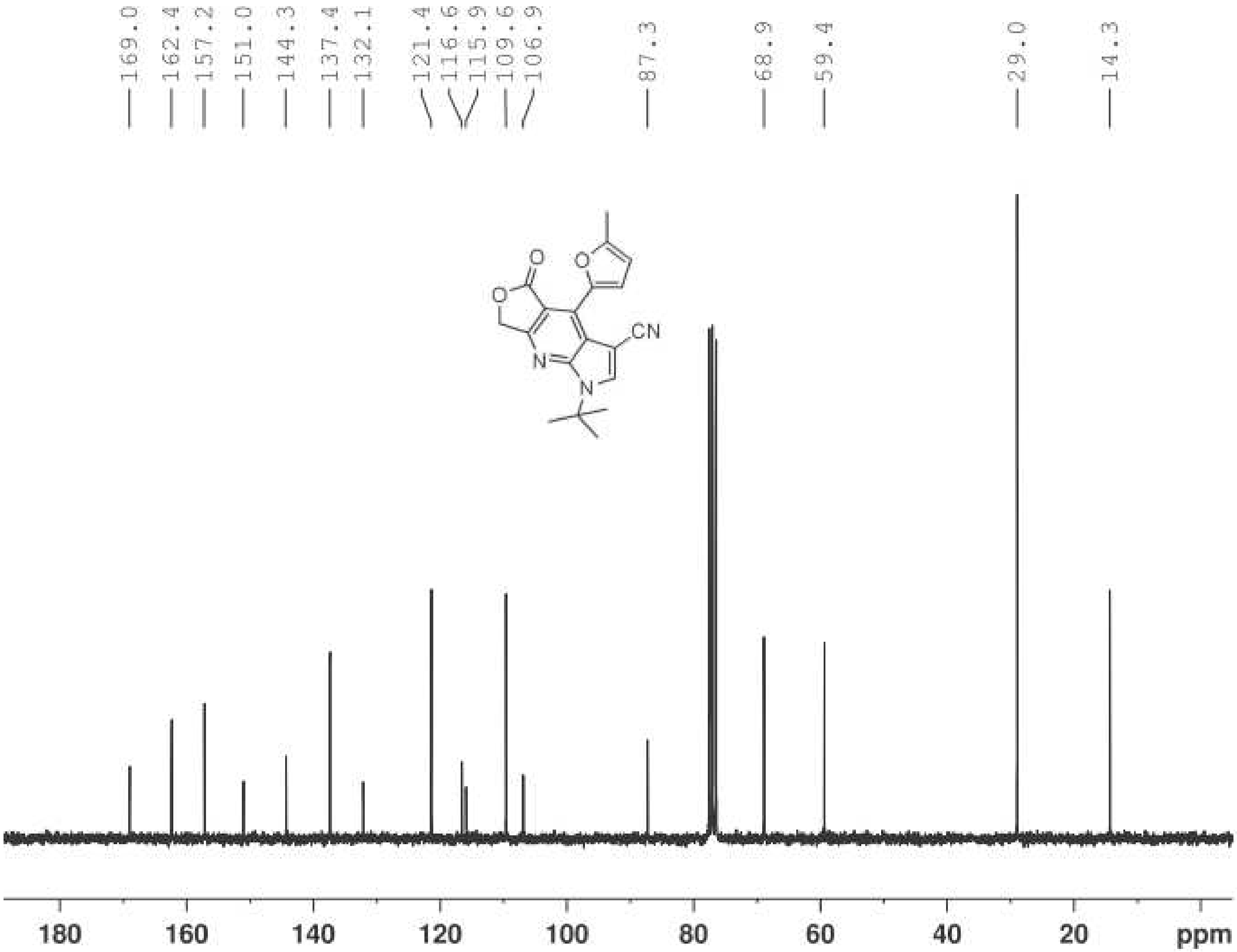
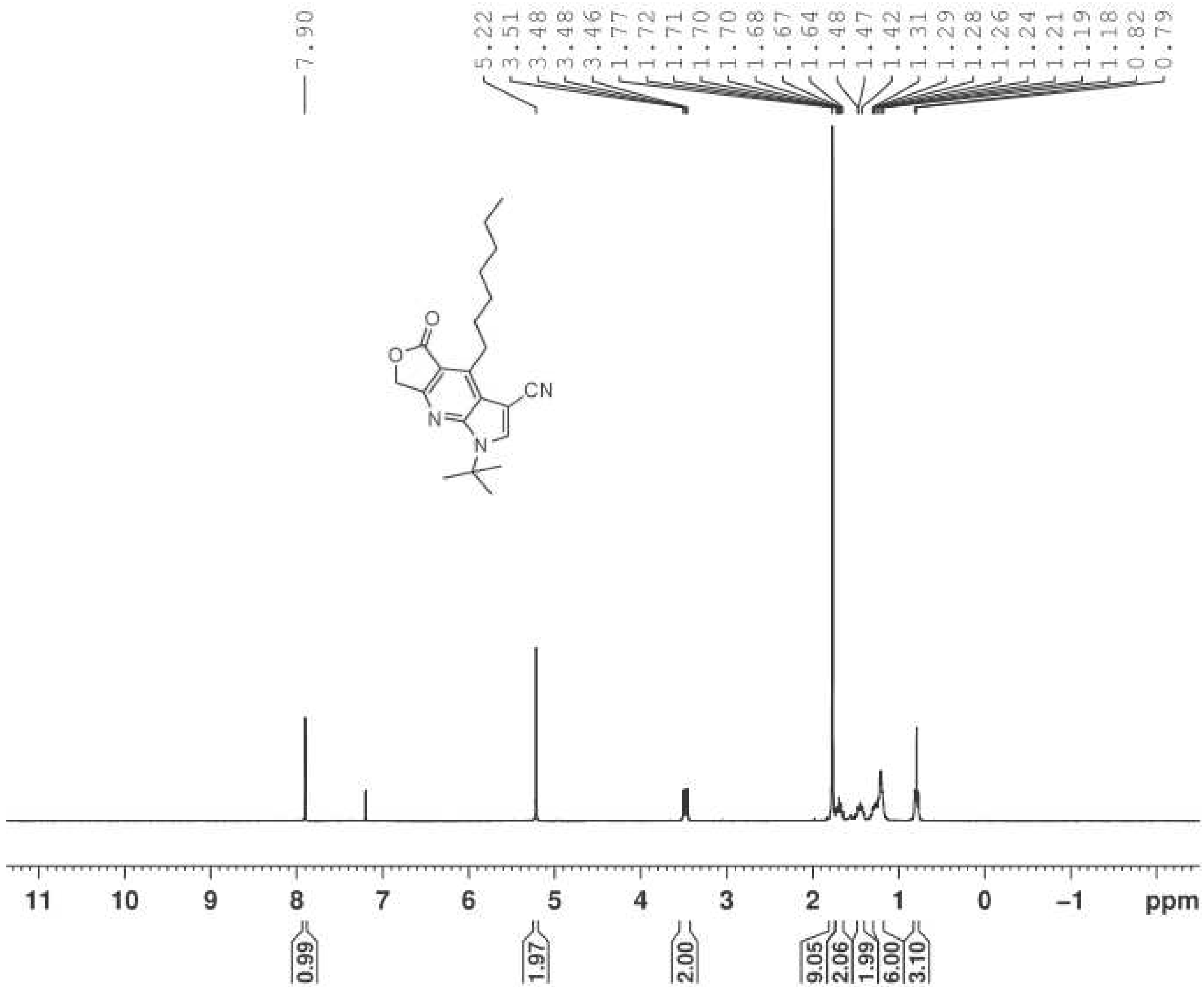


BRUKER

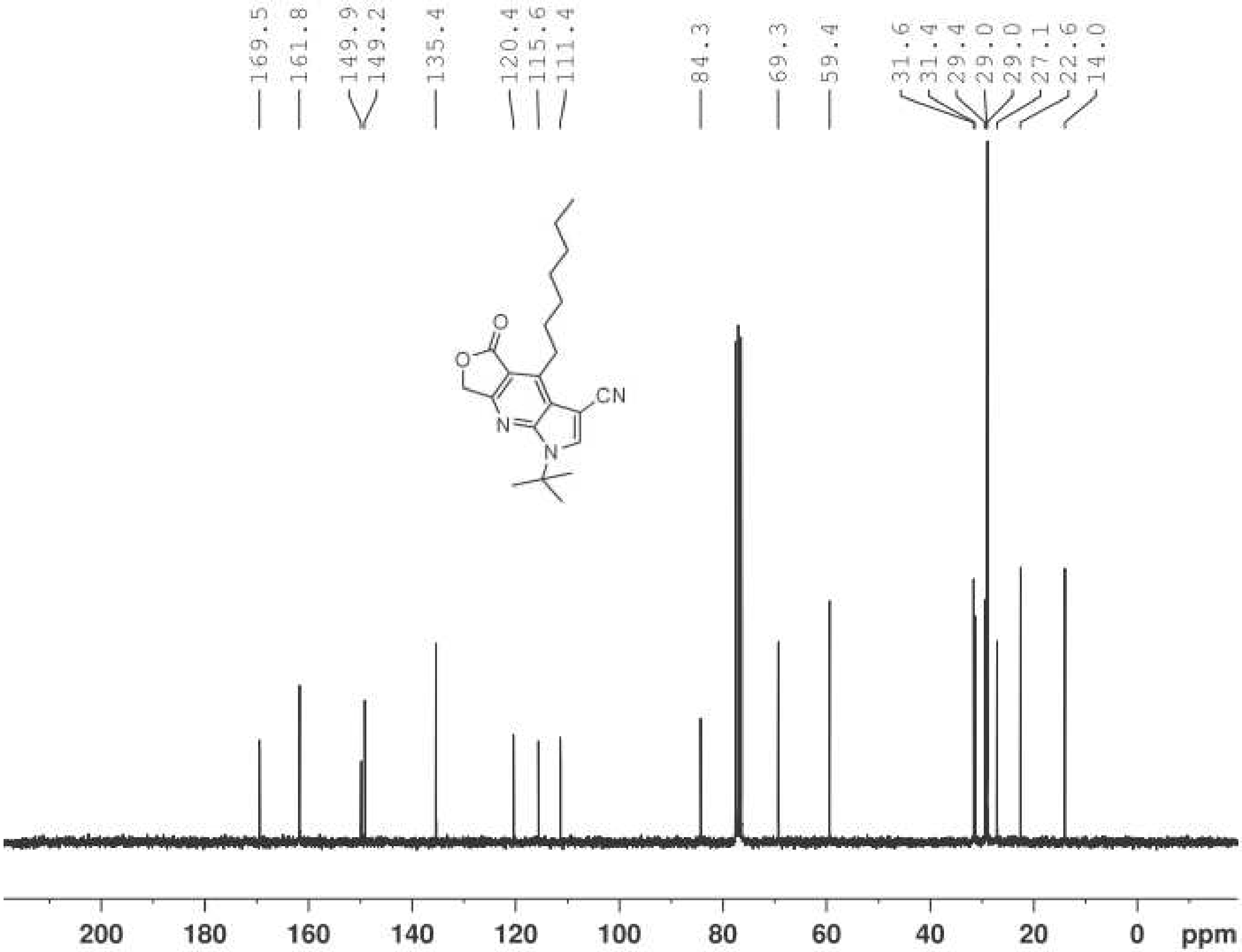
NAME	110330.221	
EXPNO	10	
PROCNO	1	
Date_	20110331	
Time	0.52	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	CDCl3	
NS	1024	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	298.0	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	
======== CHANNEL f1 ========		
NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz
======== CHANNEL f2 ========		
CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952412	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	



NAME	110712.u316	
EXPNO	10	
PROCNO	1	
Date_	20110712	
Time	10.58	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zg30	
TD	65536	
SOLVENT	CDCl3	
NS	16	
DS	2	
SWH	6188.119	Hz
FIDRES	0.094423	Hz
AQ	5.2953587	sec
RG	101	
DW	80.800	use
DE	10.00	use
TE	298.2	K
D1	1.00000000	sec
TD0	1	

======== CHANNEL f1 =======

NUC1	1H	
P1	10.00	use
PL1	0.00	dB
PL1W	11.25325108	W
SFO1	300.1318534	MHz
SI	32768	
SF	300.1300265	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	



NAME	110718.201
EXPNO	10
PROCNO	1
Date_	20110718
Time	12.05
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	1024
DS	4
SWH	15000.000 Hz
FIDRES	0.228882 Hz
AQ	2.1845834 sec
RG	2050
DW	33.333 usec
DE	10.00 usec
TE	298.1 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1

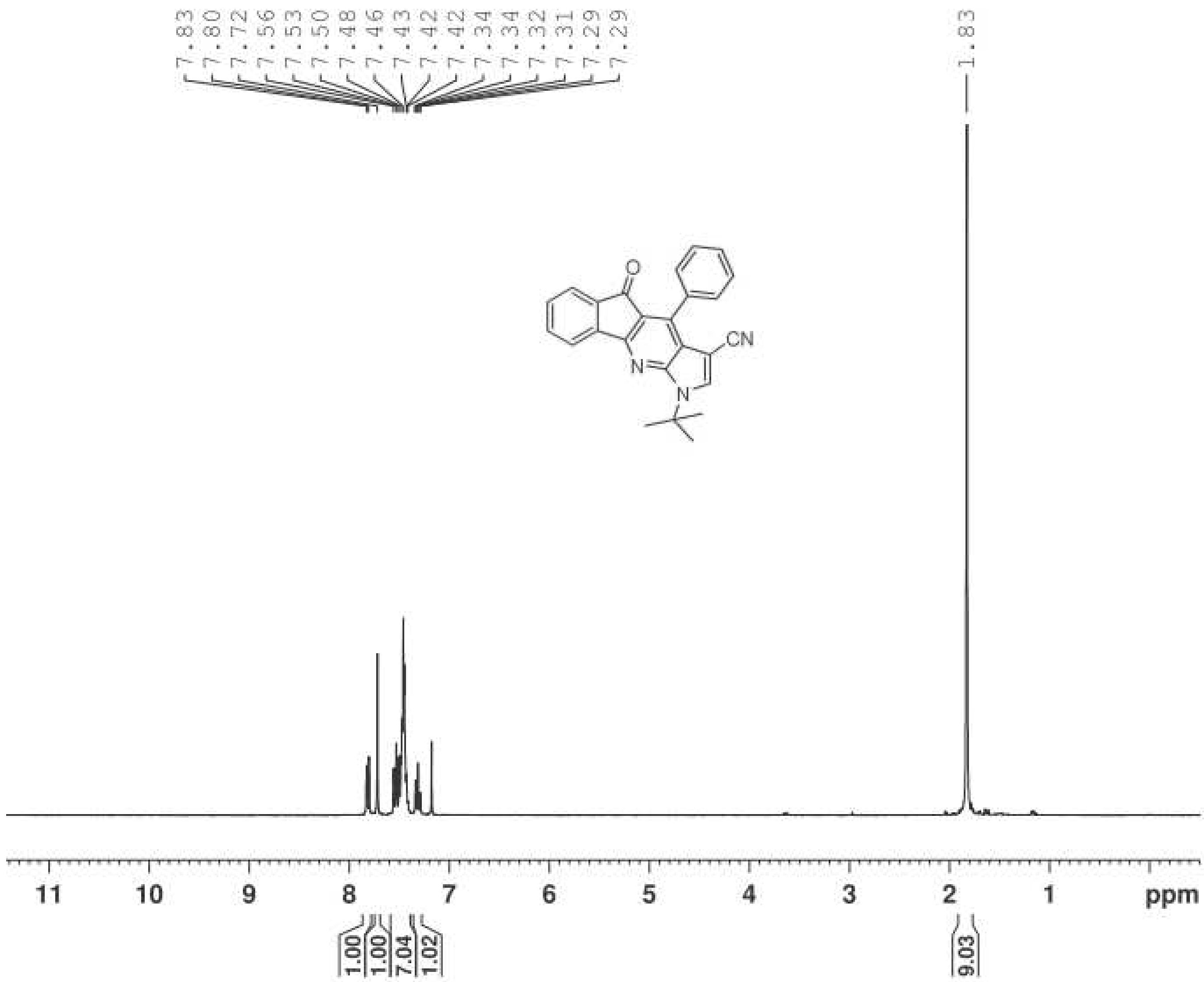
======== CHANNEL f1 ========

NUC1	13C
P1	10.00 usec
PL1	-1.00 dB
SFO1	62.9015280 MHz

======== CHANNEL f2 ========

CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	15.00 dB
PL13	15.00 dB
PL2	-2.50 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952406 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

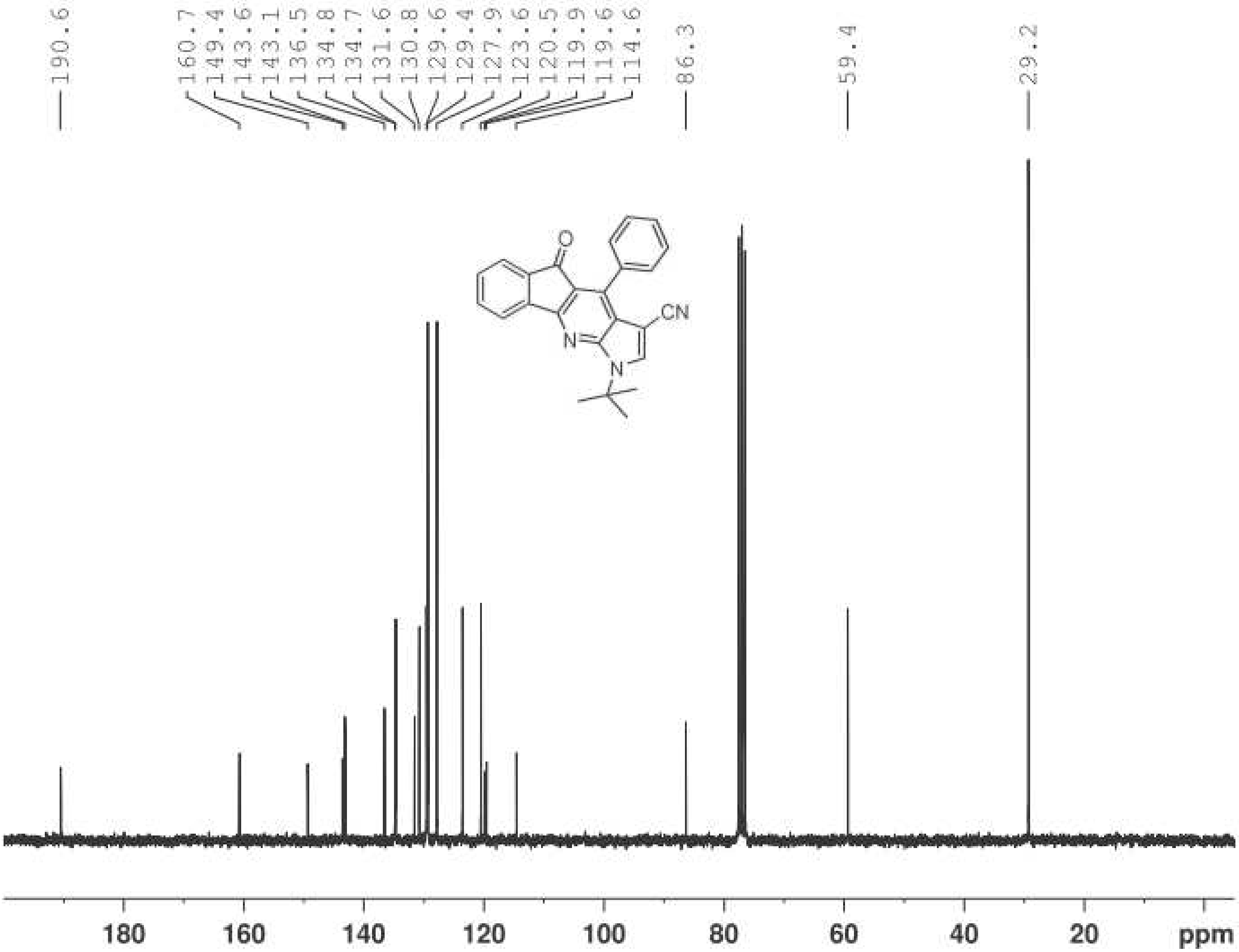
96



NAME	110106.u324
EXPNO	10
PROCNO	1
Date_	20110106
Time	15.38
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	128
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300336 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00



98

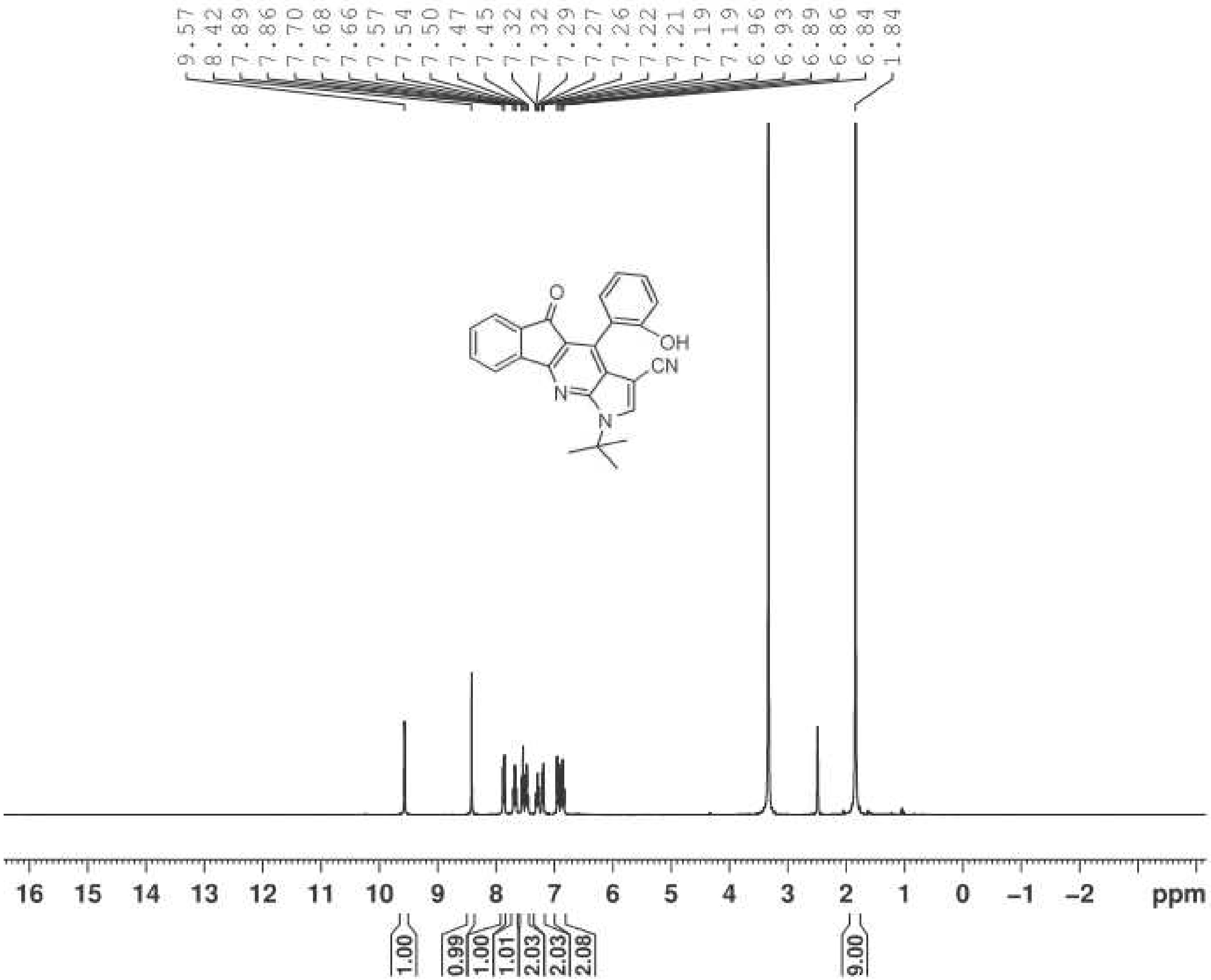
NAME	110107.205	
EXPNO	10	
PROCNO	1	
Date_	20110107	
Time	16.55	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	CDCl3	
NS	1024	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	297.9	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	

======== CHANNEL f1 ========

NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz

======== CHANNEL f2 ========

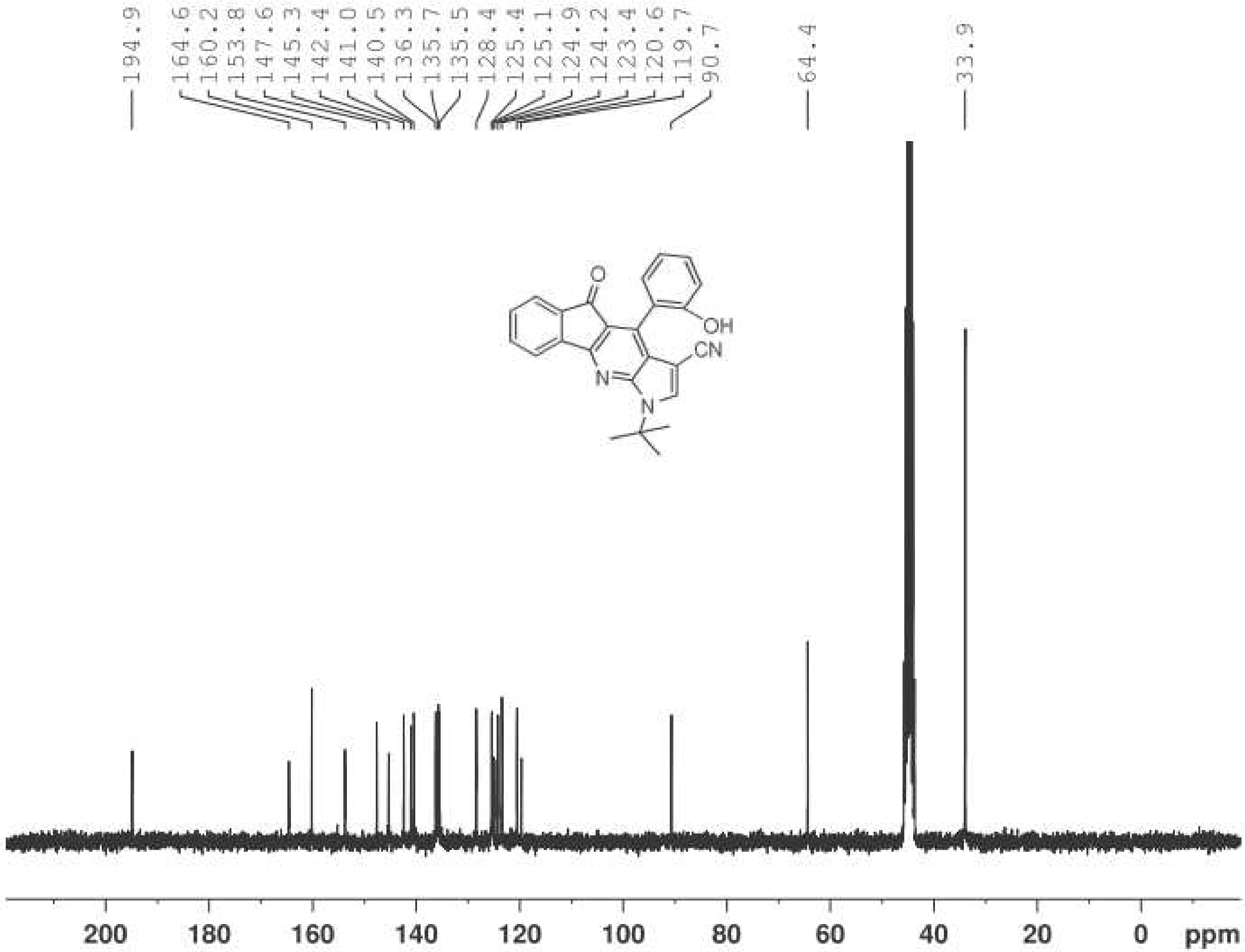
CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952390	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	



NAME	110913.u317	
EXPNO	10	
PROCNO	1	
Date_	20110913	
Time	14.28	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zg30	
TD	65536	
SOLVENT	DMSO	
NS	16	
DS	2	
SWH	6188.119	Hz
FIDRES	0.094423	Hz
AQ	5.2953587	sec
RG	114	
DW	80.800	use
DE	10.00	use
TE	298.2	K
D1	1.00000000	sec
TD0	1	

======== CHANNEL f1 =======

NUC1	1H	
P1	10.00	use
PL1	0.00	dB
PL1W	11.25325108	W
SFO1	300.1318534	MHz
SI	32768	
SF	300.1300125	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	



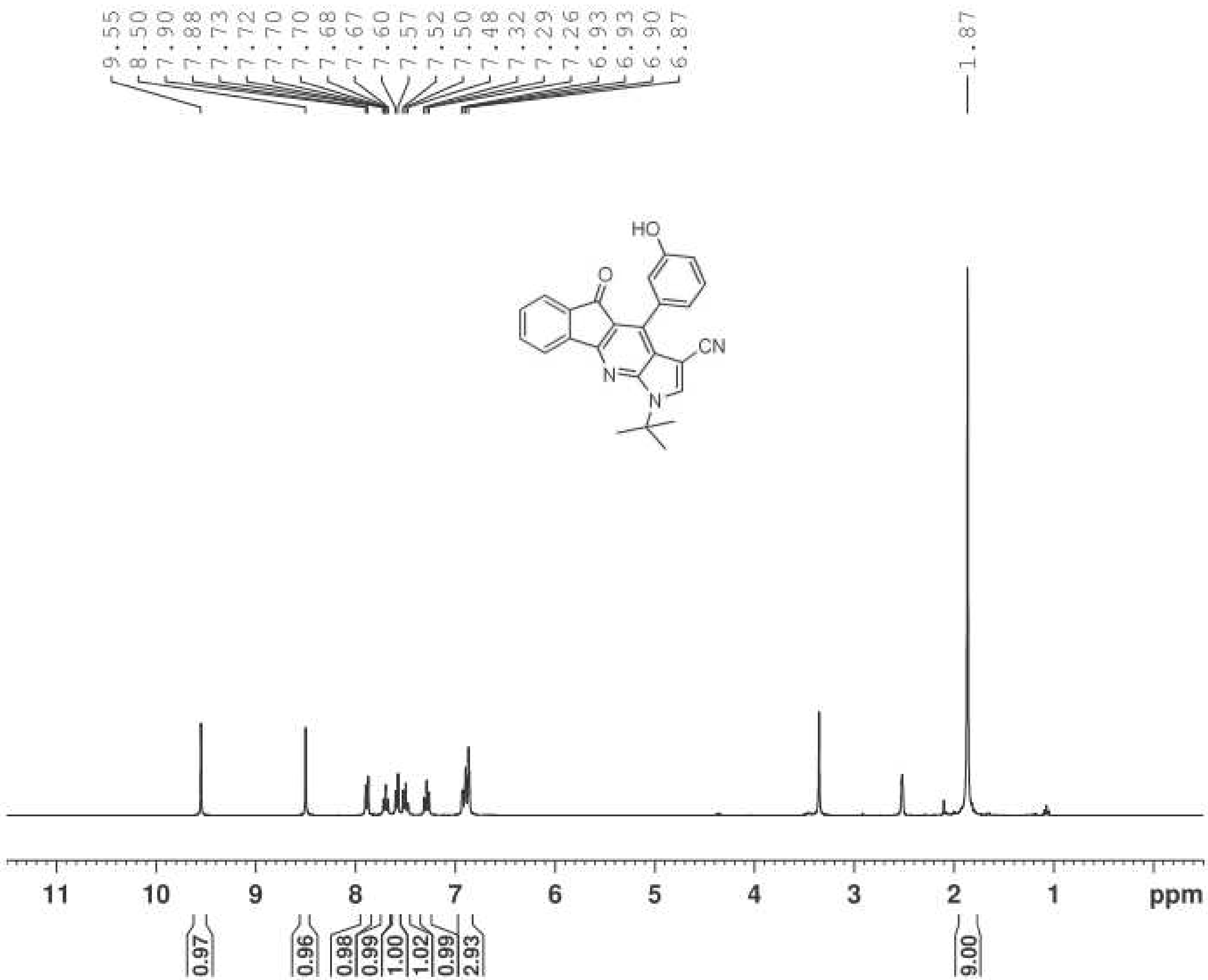
NAME	110913.207	
EXPNO	10	
PROCNO	1	
Date_	20110914	
Time	4.51	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	CDCl3	
NS	1024	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	297.7	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	

======== CHANNEL f1 ========

NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz

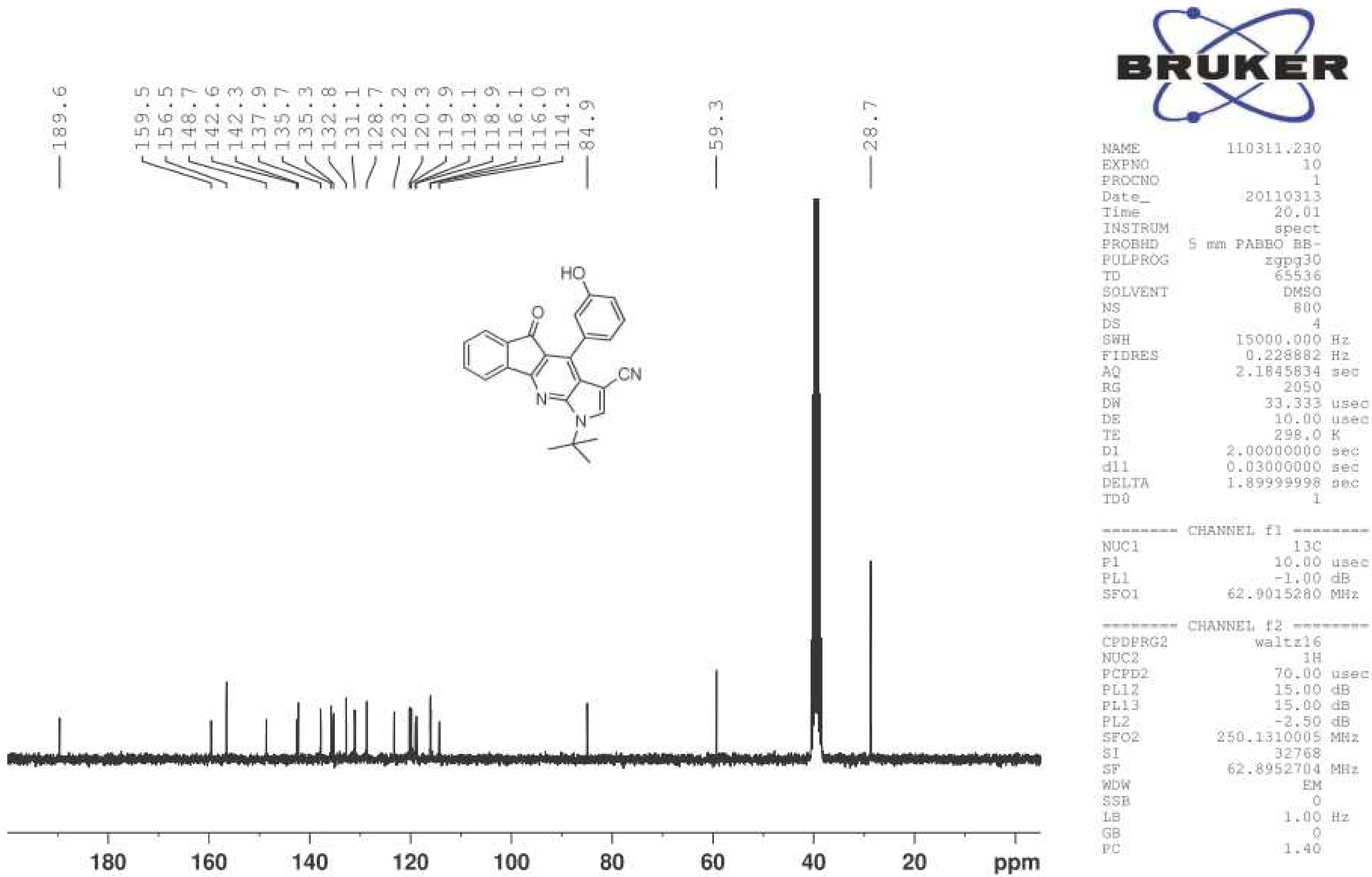
======== CHANNEL f2 ========

CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952390	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	

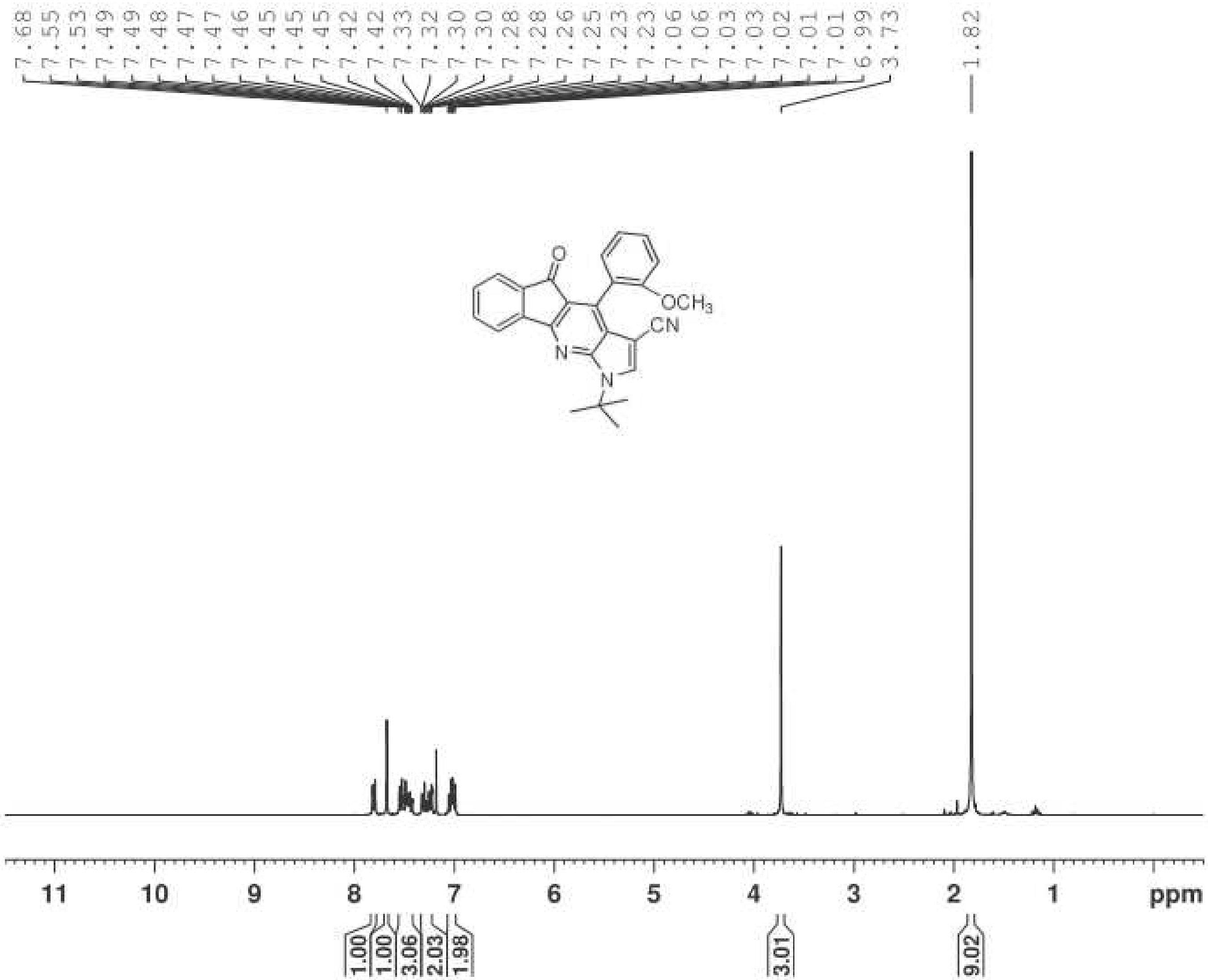


NAME	110310.u311
EXPNO	10
PROCNO	1
Date_	20110310
Time	10.06
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	114
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 =======	
NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300000 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

101


189.6
159.5
156.5
148.7
142.6
142.3
137.9
135.7
135.3
132.8
131.1
128.7
123.2
120.3
119.9
119.1
118.9
116.1
116.0
114.3
84.9
59.3
28.7
HO
O
CN
N
N
180 160 140 120 100 80 60 40 20 ppm
BRUKER
NAME 110311.230
EXPNO 10
PROCNO 1
Date_ 20110313
Time 20.01
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 800
DS 4
SWH 15000.000 Hz
FIDRES 0.228882 Hz
AQ 2.1845834 sec
RG 2050
DW 33.333 usec
DE 10.00 usec
TE 298.0 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1
======== CHANNEL f1 ========
NUC1 13C
P1 10.00 usec
PL1 -1.00 dB
SFO1 62.9015280 MHz
======== CHANNEL f2 ========
CPDPRG2 waltz16
NUC2 1H
PCPD2 70.00 usec
PL12 15.00 dB
PL13 15.00 dB
PL2 -2.50 dB
SFO2 250.1310005 MHz
SI 32768
SF 62.8952704 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

102

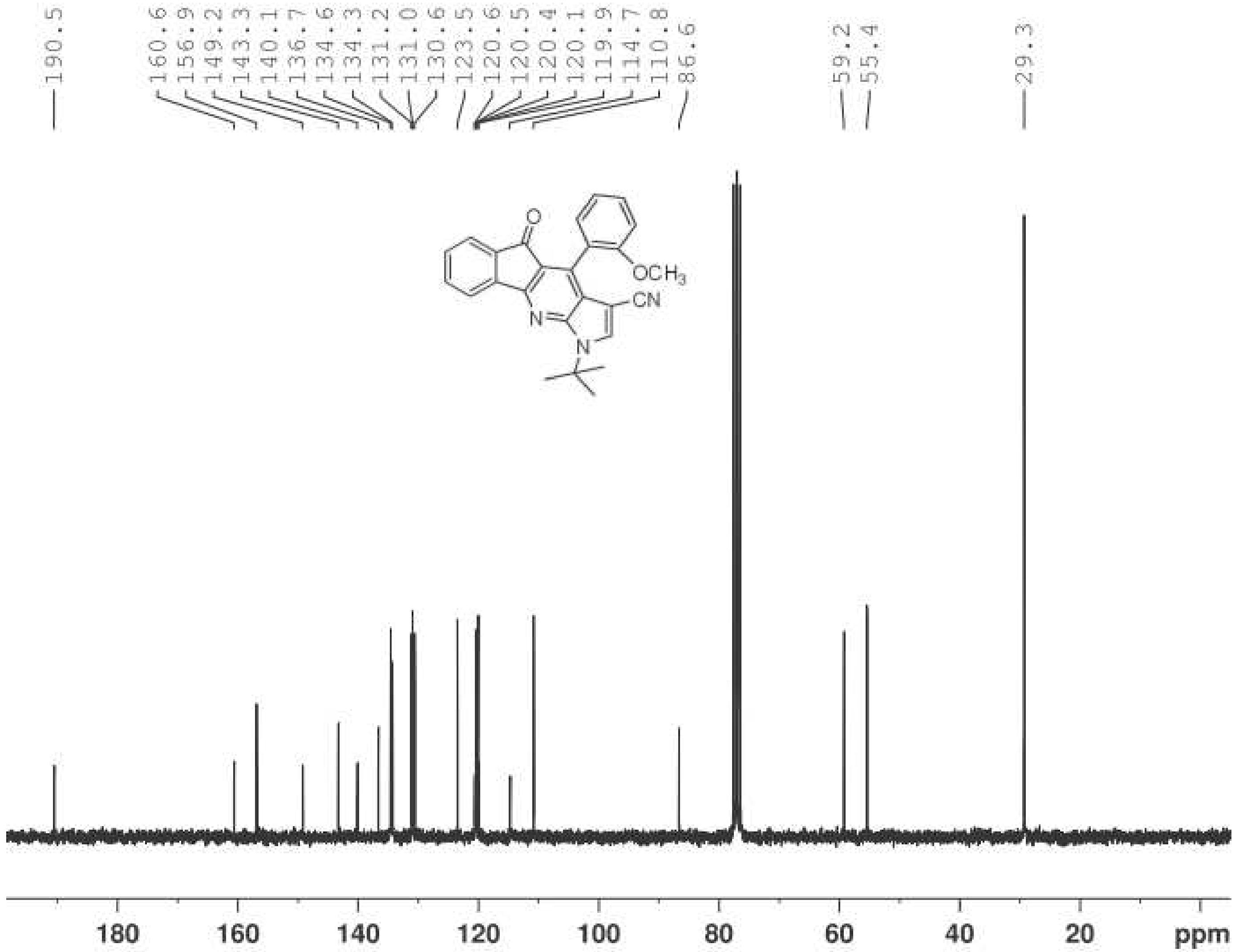


103

NAME	110119.u338	
EXPNO	10	
PROCNO	1	
Date_	20110119	
Time	15.06	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zg30	
TD	65536	
SOLVENT	CDCl3	
NS	16	
DS	2	
SWH	6188.119	Hz
FIDRES	0.094423	Hz
AQ	5.2953587	sec
RG	161	
DW	80.800	use
DE	10.00	use
TE	298.2	K
D1	1.00000000	sec
TD0	1	

======== CHANNEL f1 =======

NUC1	1H	
P1	10.00	use
PL1	0.00	dB
PL1W	11.25325108	W
SFO1	300.1318534	MHz
SI	32768	
SF	300.1300319	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	



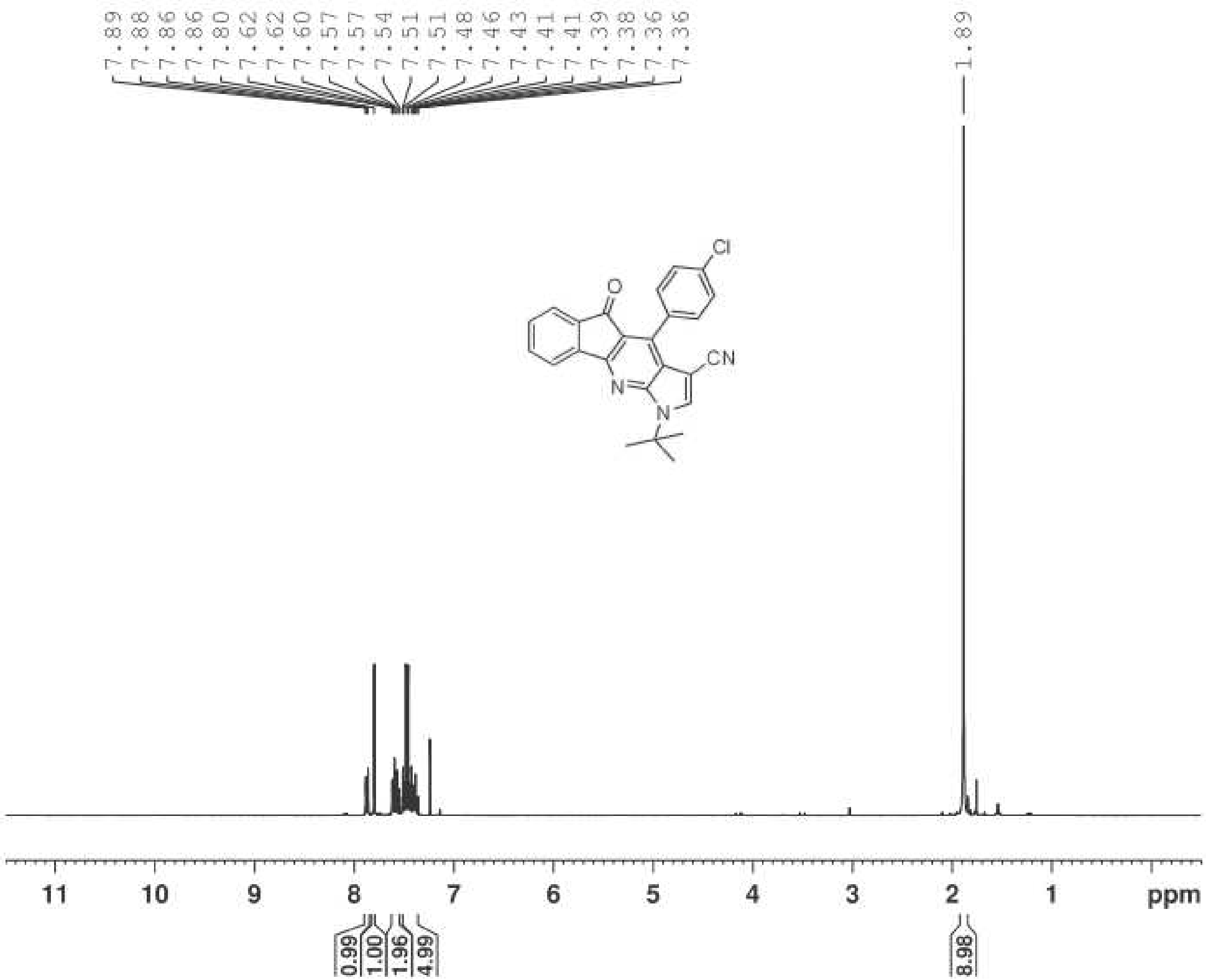
NAME	110120.214	
EXPNO	10	
PROCNO	1	
Date_	20110121	
Time	5.24	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	CDCl3	
NS	1024	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	297.9	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	

======== CHANNEL f1 ========

NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz

======== CHANNEL f2 ========

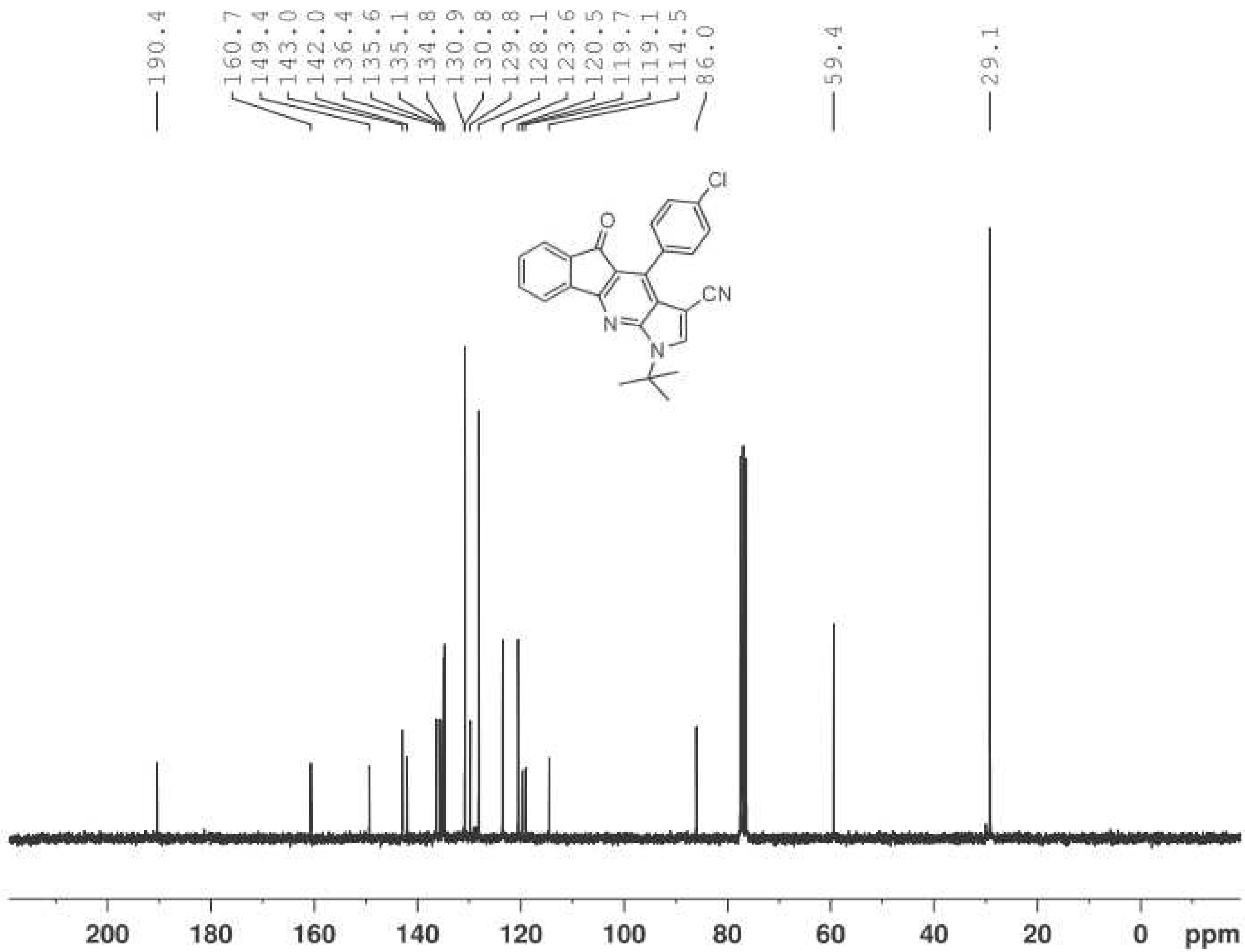
CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952390	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	



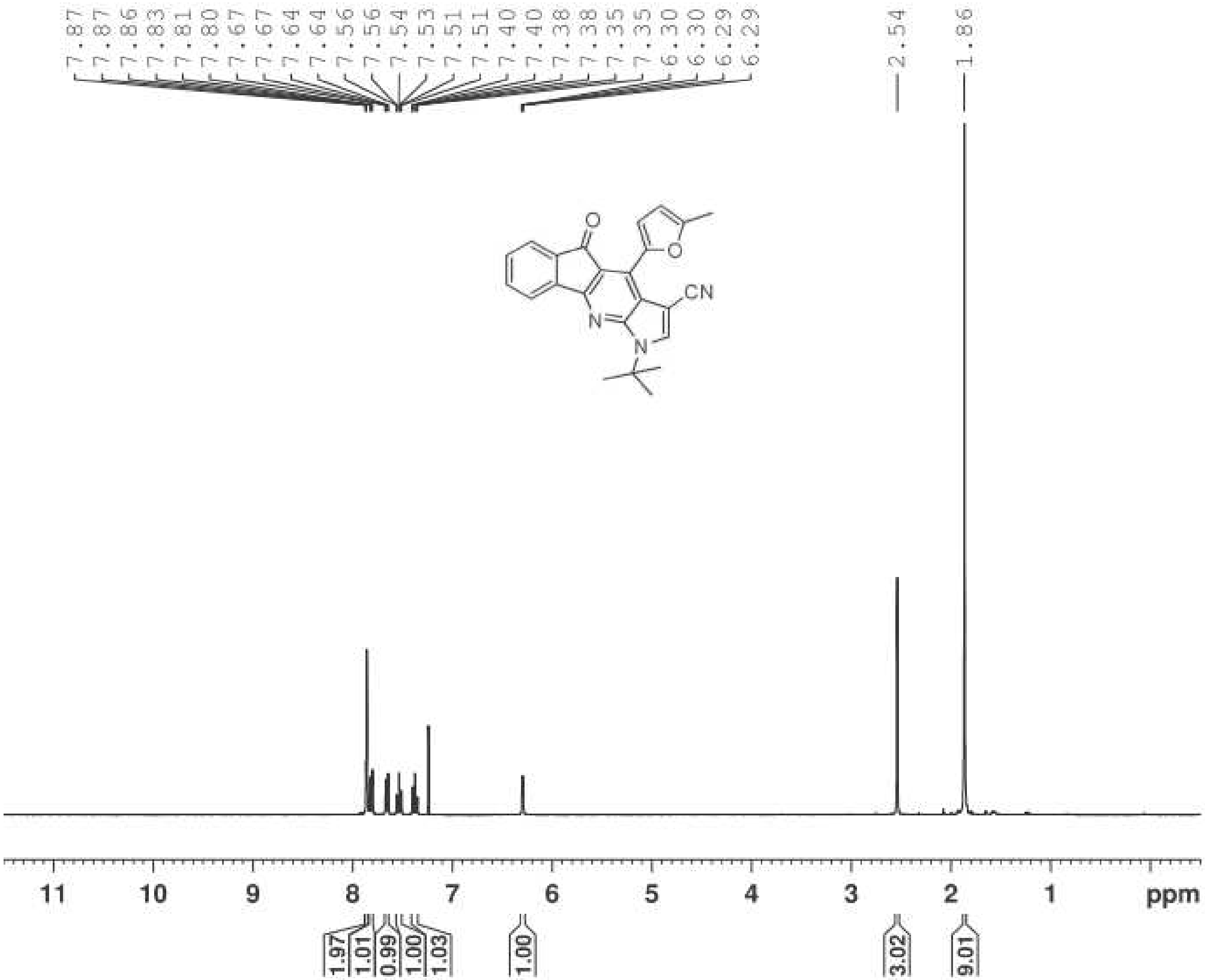
105

NAME	110310.u313	
EXPNO	10	
PROCNO	1	
Date_	20110310	
Time	10.17	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zg30	
TD	65536	
SOLVENT	CDCl3	
NS	16	
DS	2	
SWH	6188.119	Hz
FIDRES	0.094423	Hz
AQ	5.2953587	sec
RG	144	
DW	80.800	use
DE	10.00	use
TE	298.2	K
D1	1.00000000	sec
TD0	1	
======== CHANNEL f1 =======		
NUC1	1H	
P1	10.00	use
PL1	0.00	dB
PL1W	11.25325108	W
SFO1	300.1318534	MHz
SI	32768	
SF	300.1300137	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	

106

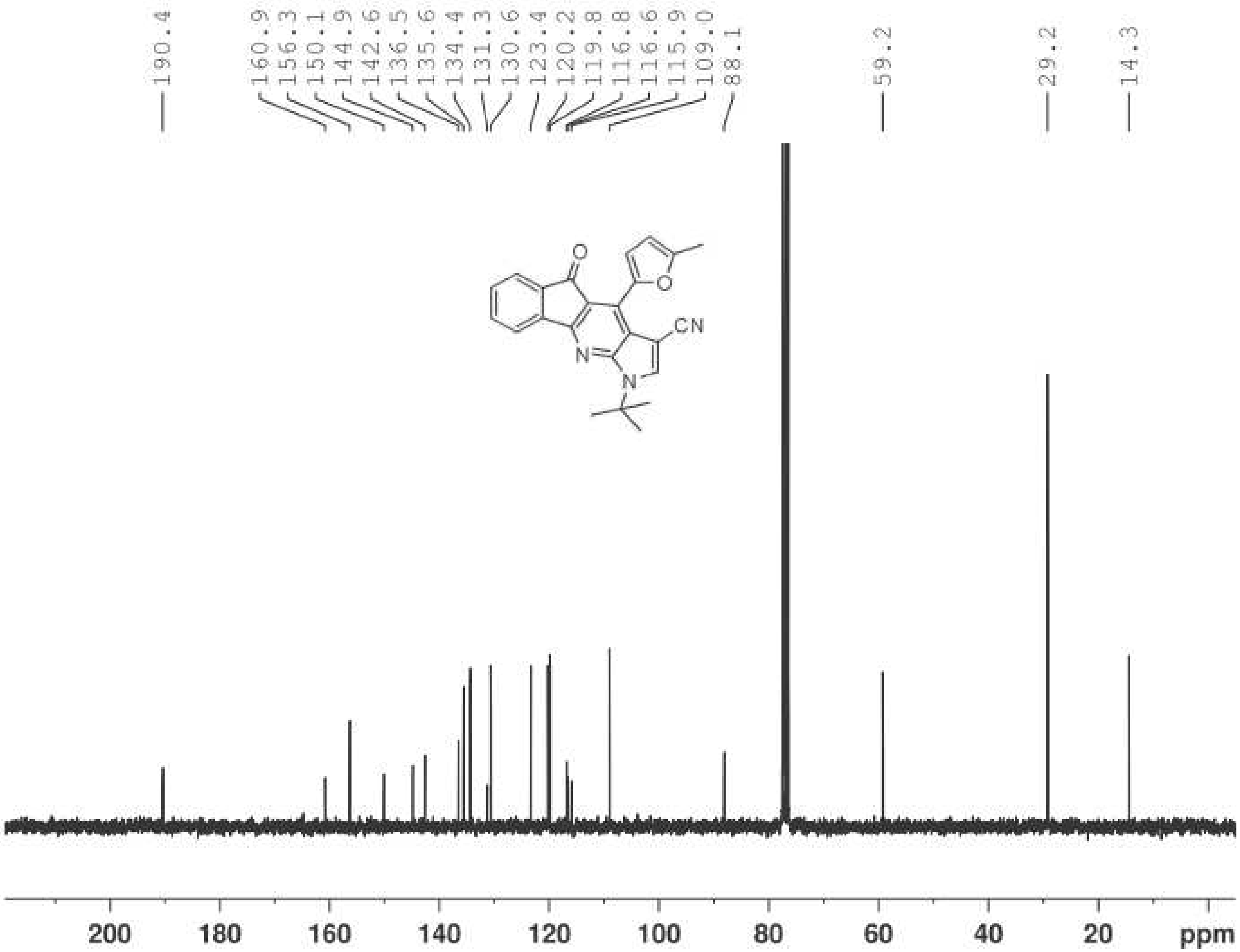


NAME	110311.232	
EXPNO	10	
PROCNO	1	
Date_	20110313	
Time	22.42	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	CDCl3	
NS	800	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	297.9	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	
======== CHANNEL f1 ========		
NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz
======== CHANNEL f2 ========		
CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952434	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	



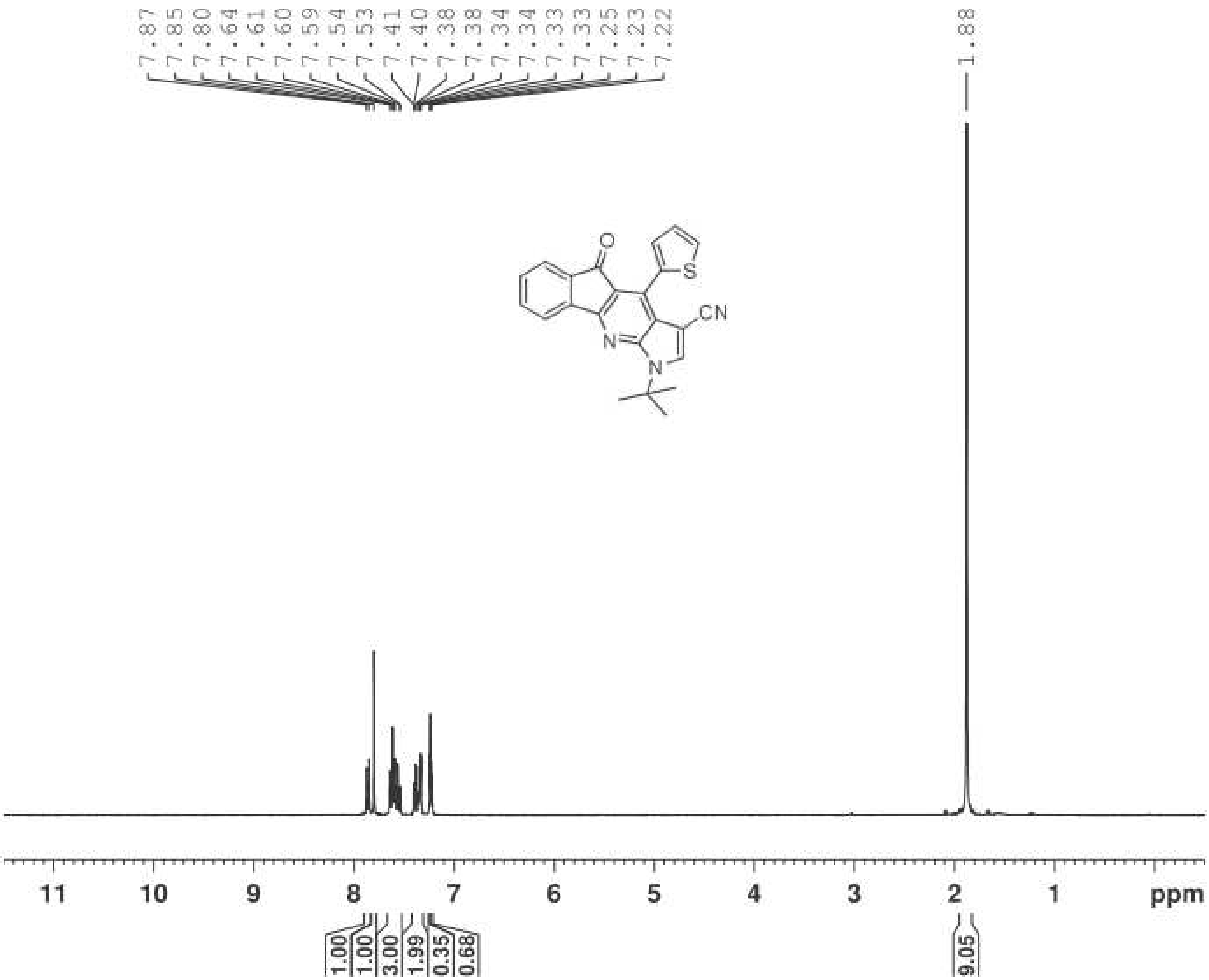
NAME	110131.u354	
EXPNO	10	
PROCNO	1	
Date_	20110131	
Time	15.19	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zg30	
TD	65536	
SOLVENT	CDCl3	
NS	16	
DS	2	
SWH	6188.119	Hz
FIDRES	0.094423	Hz
AQ	5.2953587	sec
RG	128	
DW	80.800	use
DE	10.00	use
TE	298.2	K
D1	1.00000000	sec
TD0	1	
======== CHANNEL f1 =======		
NUC1	1H	
P1	10.00	use
PL1	0.00	dB
PL1W	11.25325108	W
SFO1	300.1318534	MHz
SI	32768	
SF	300.1300138	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	

107



NAME	110202.206	
EXPNO	10	
PROCNO	1	
Date_	20110202	
Time	23.11	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	CDCl3	
NS	1024	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	297.9	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	
======== CHANNEL f1 ========		
NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz
======== CHANNEL f2 ========		
CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952399	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	

108

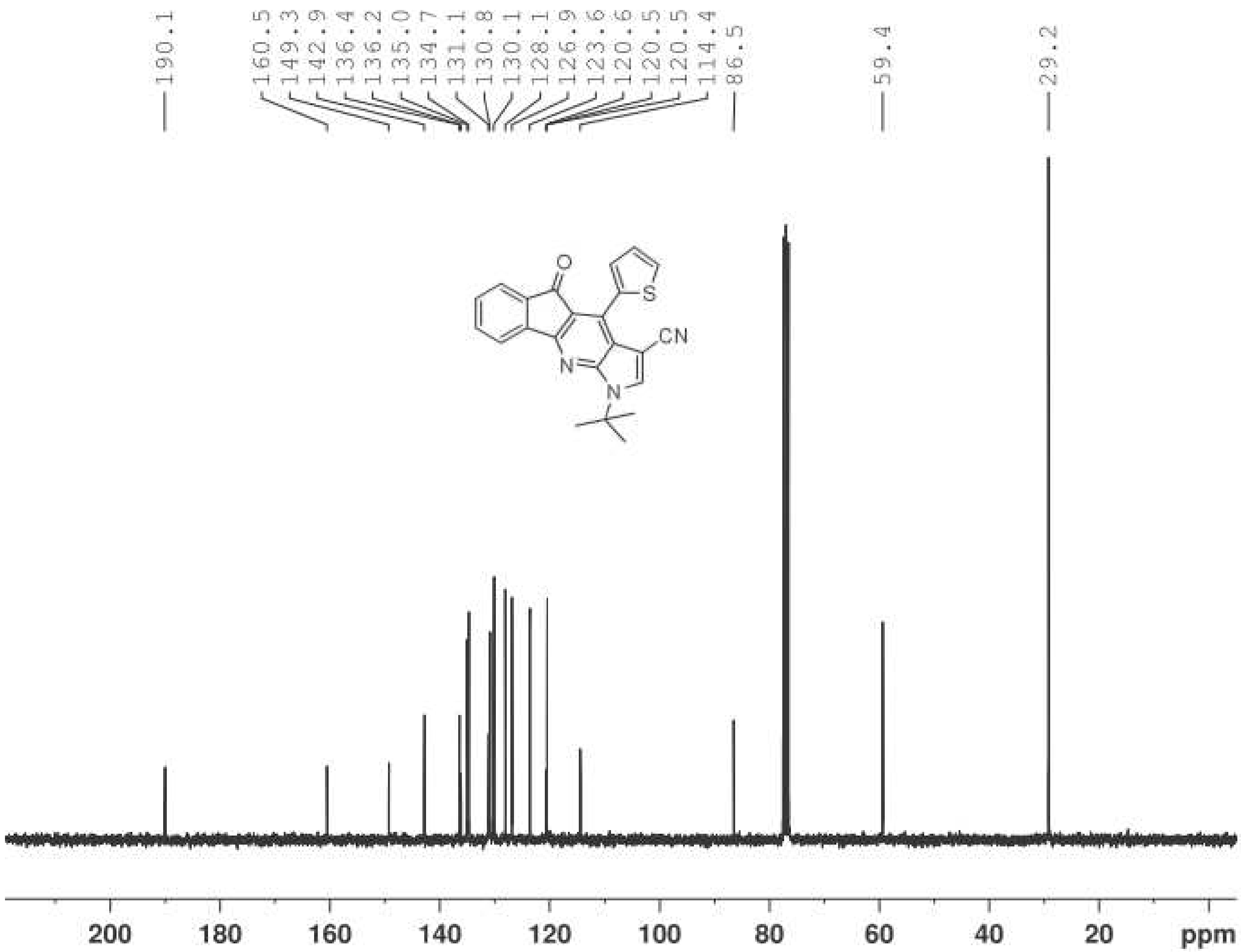


109

NAME	110131.u355
EXPNO	10
PROCNO	1
Date_	20110131
Time	15.26
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	128
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300146 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00



110

NAME	110202.207	
EXPNO	10	
PROCNO	1	
Date_	20110203	
Time	0.48	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	CDCl3	
NS	1024	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	297.9	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	

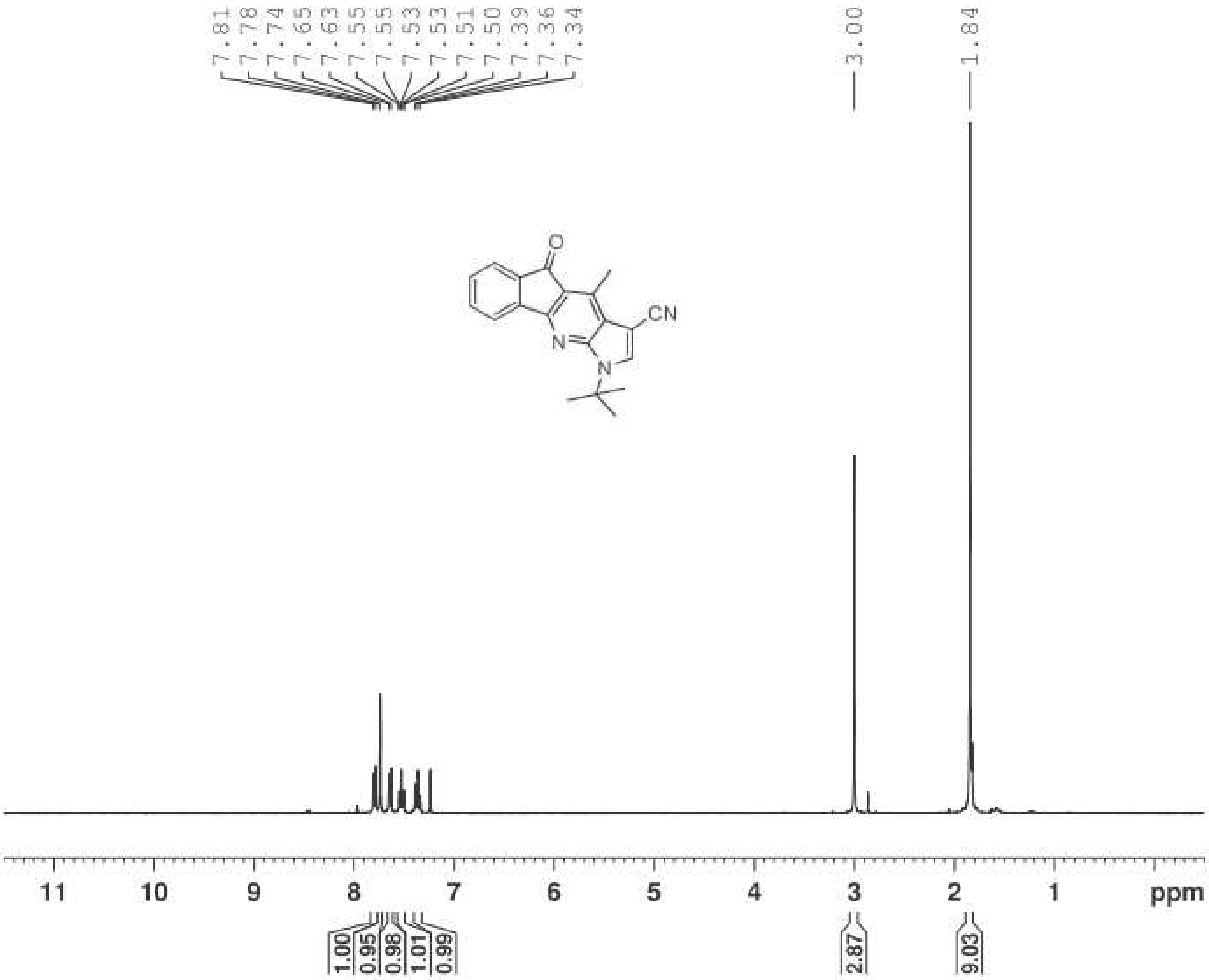
======== CHANNEL f1 ========

NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz

======== CHANNEL f2 ========

CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952419	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	

111

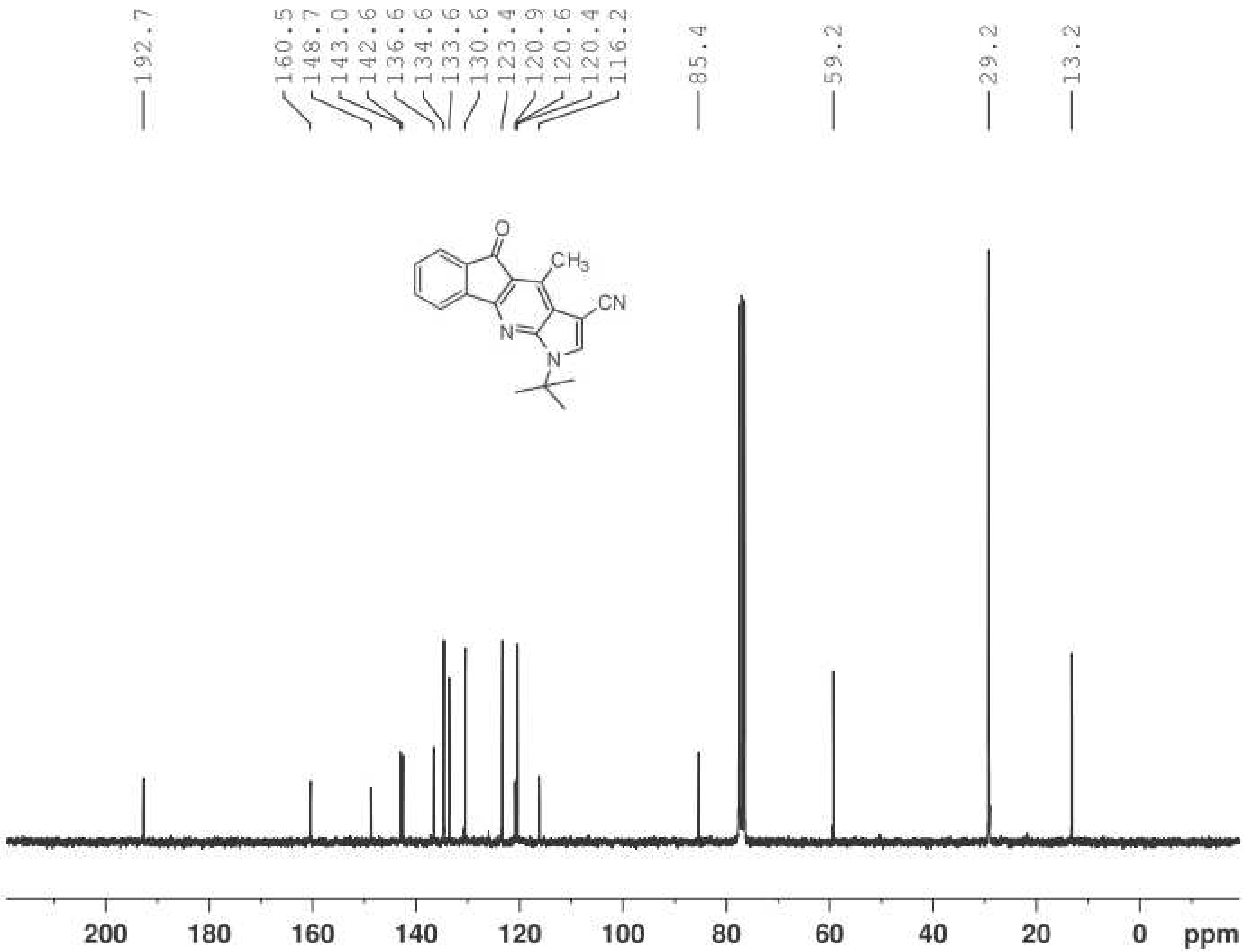


NAME	110310.u314
EXPNO	10
PROCNO	1
Date_	20110310
Time	10.23
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	144
DW	80.800 use
DE	10.00 use
TE	298.2 K
D1	1.00000000 sec
TD0	1

======== CHANNEL f1 ========

NUC1	1H
P1	10.00 use
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300143 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

112



BRUKER

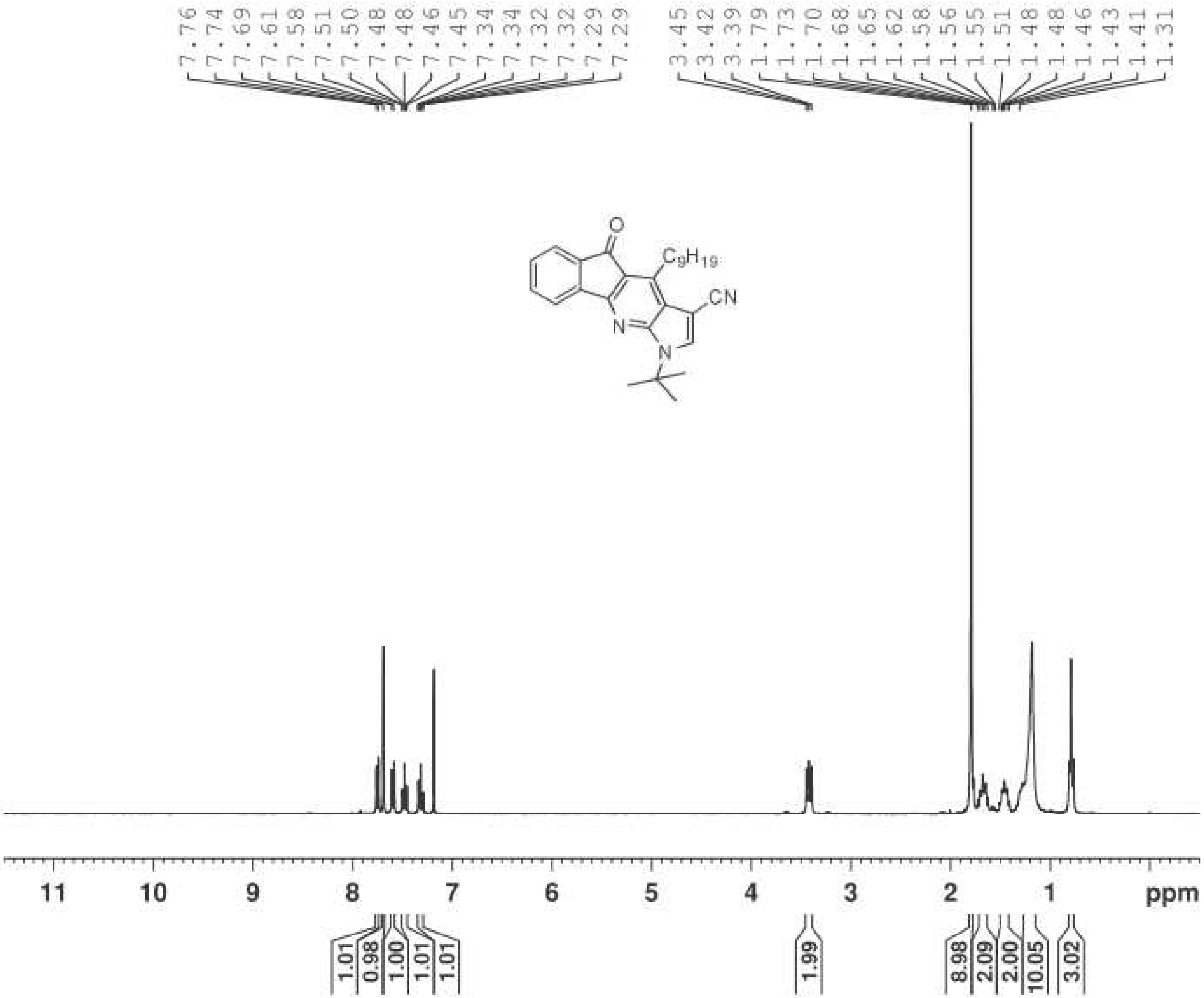
NAME	110408.220
EXPNO	10
PROCNO	1
Date_	20110409
Time	13.50
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	3000
DS	4
SWH	15000.000 Hz
FIDRES	0.228882 Hz
AQ	2.1845834 sec
RG	2050
DW	33.333 usec
DE	10.00 usec
TE	297.9 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1

======== CHANNEL f1 ========

NUC1	13C
P1	10.00 usec
PL1	-1.00 dB
SFO1	62.9015280 MHz

======== CHANNEL f2 ========

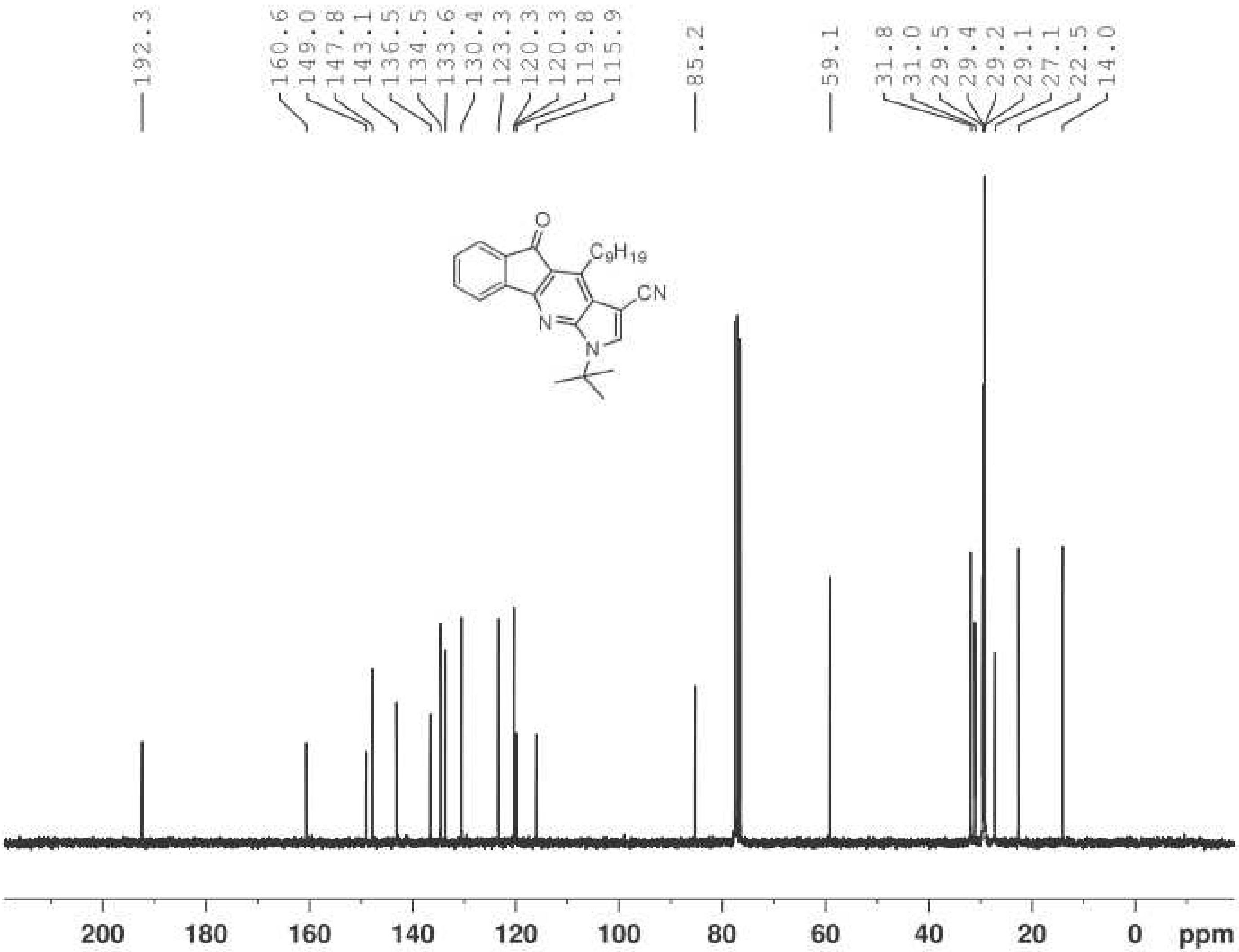
CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	15.00 dB
PL13	15.00 dB
PL2	-2.50 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952390 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40



NAME	110207.u332	
EXPNO	10	
PROCNO	1	
Date_	20110207	
Time	12.56	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zg30	
TD	65536	
SOLVENT	CDCl3	
NS	16	
DS	2	
SWH	6188.119	Hz
FIDRES	0.094423	Hz
AQ	5.2953587	sec
RG	128	
DW	80.800	use
DE	10.00	use
TE	298.2	K
D1	1.00000000	sec
TD0	1	

======== CHANNEL f1 =======

NUC1	1H	
P1	10.00	use
PL1	0.00	dB
PL1W	11.25325108	W
SFO1	300.1318534	MHz
SI	32768	
SF	300.1300299	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	



114

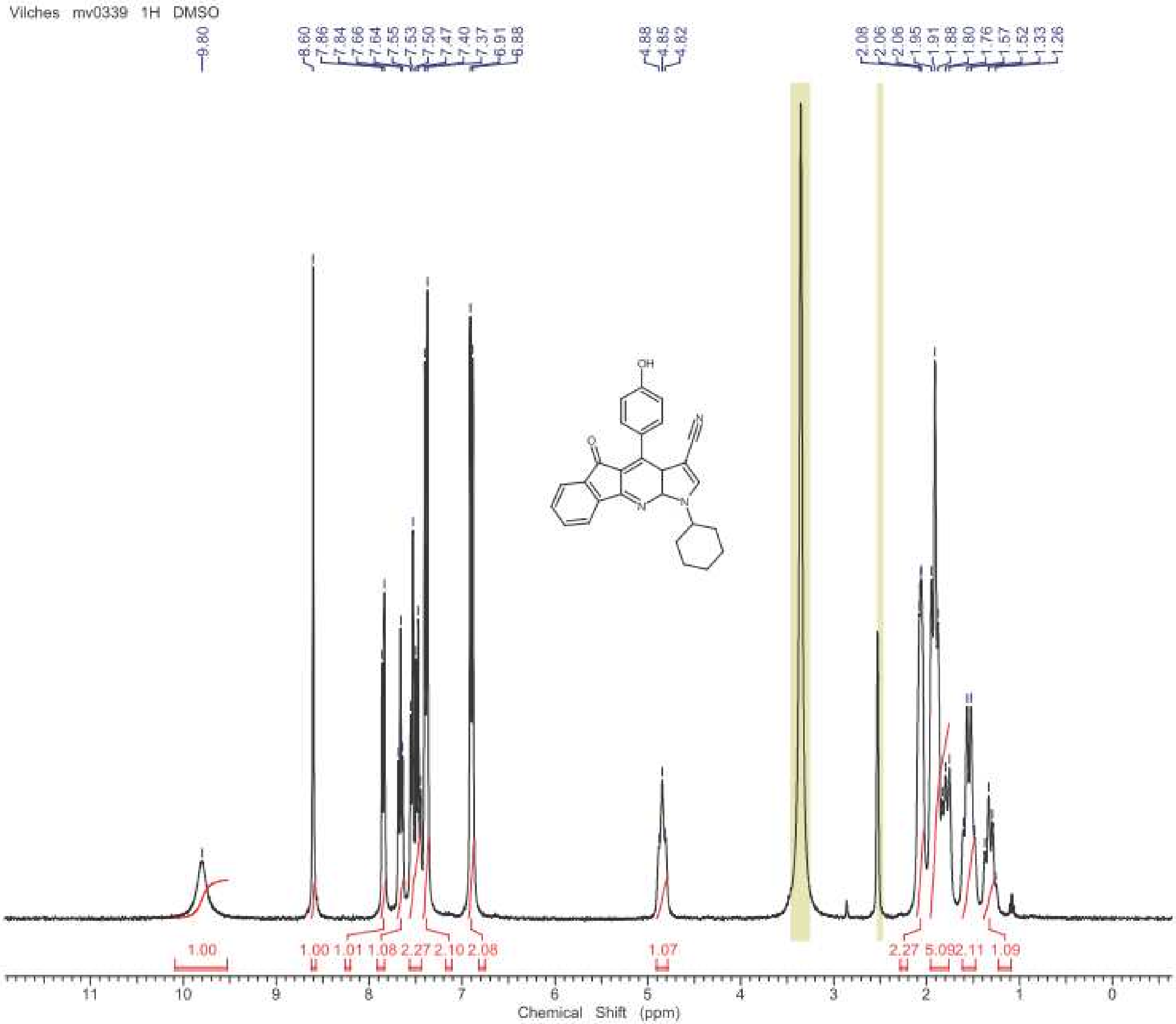
NAME	110208.211	
EXPNO	10	
PROCNO	1	
Date_	20110209	
Time	5.32	
INSTRUM	spect	
PROBHD	5 mm PABBO BB-	
PULPROG	zgpg30	
TD	65536	
SOLVENT	CDCl3	
NS	1024	
DS	4	
SWH	15000.000	Hz
FIDRES	0.228882	Hz
AQ	2.1845834	sec
RG	2050	
DW	33.333	usec
DE	10.00	usec
TE	297.9	K
D1	2.00000000	sec
d11	0.03000000	sec
DELTA	1.89999998	sec
TD0	1	

======== CHANNEL f1 ========

NUC1	13C	
P1	10.00	usec
PL1	-1.00	dB
SFO1	62.9015280	MHz

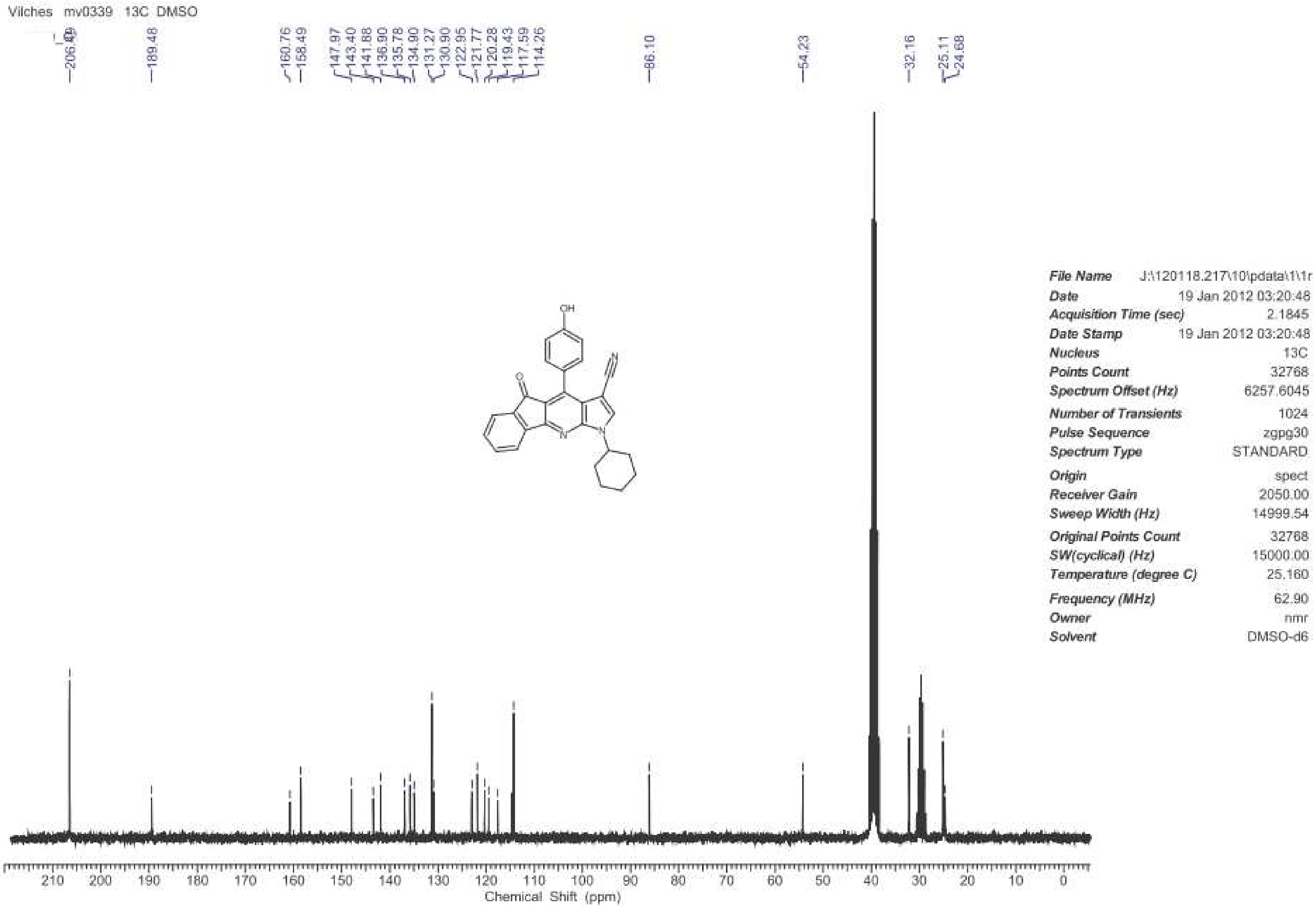
======== CHANNEL f2 ========

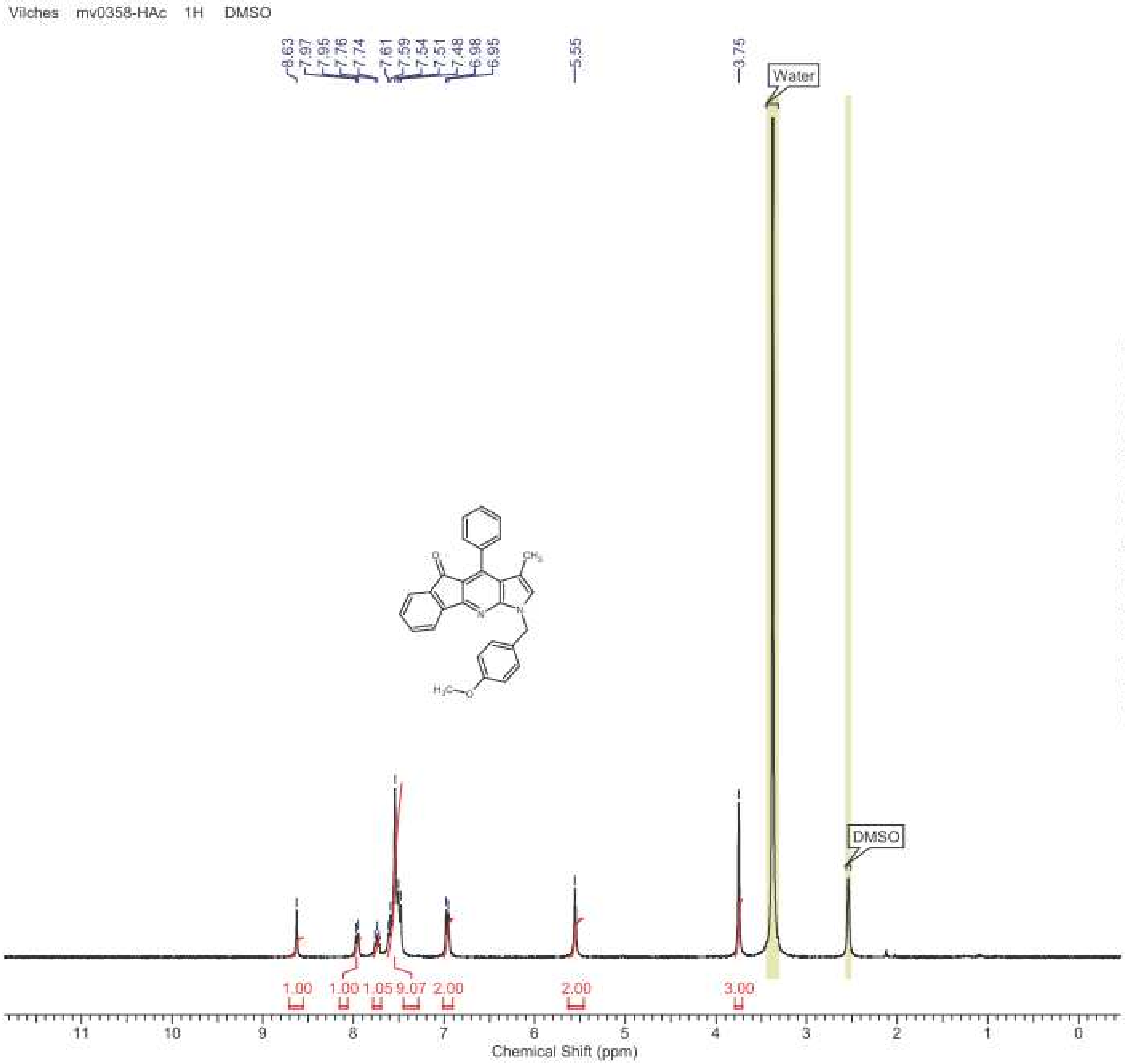
CPDPRG2	waltz16	
NUC2	1H	
PCPD2	70.00	usec
PL12	15.00	dB
PL13	15.00	dB
PL2	-2.50	dB
SFO2	250.1310005	MHz
SI	32768	
SF	62.8952390	MHz
WDW	EM	
SSB	0	
LB	1.00	Hz
GB	0	
PC	1.40	



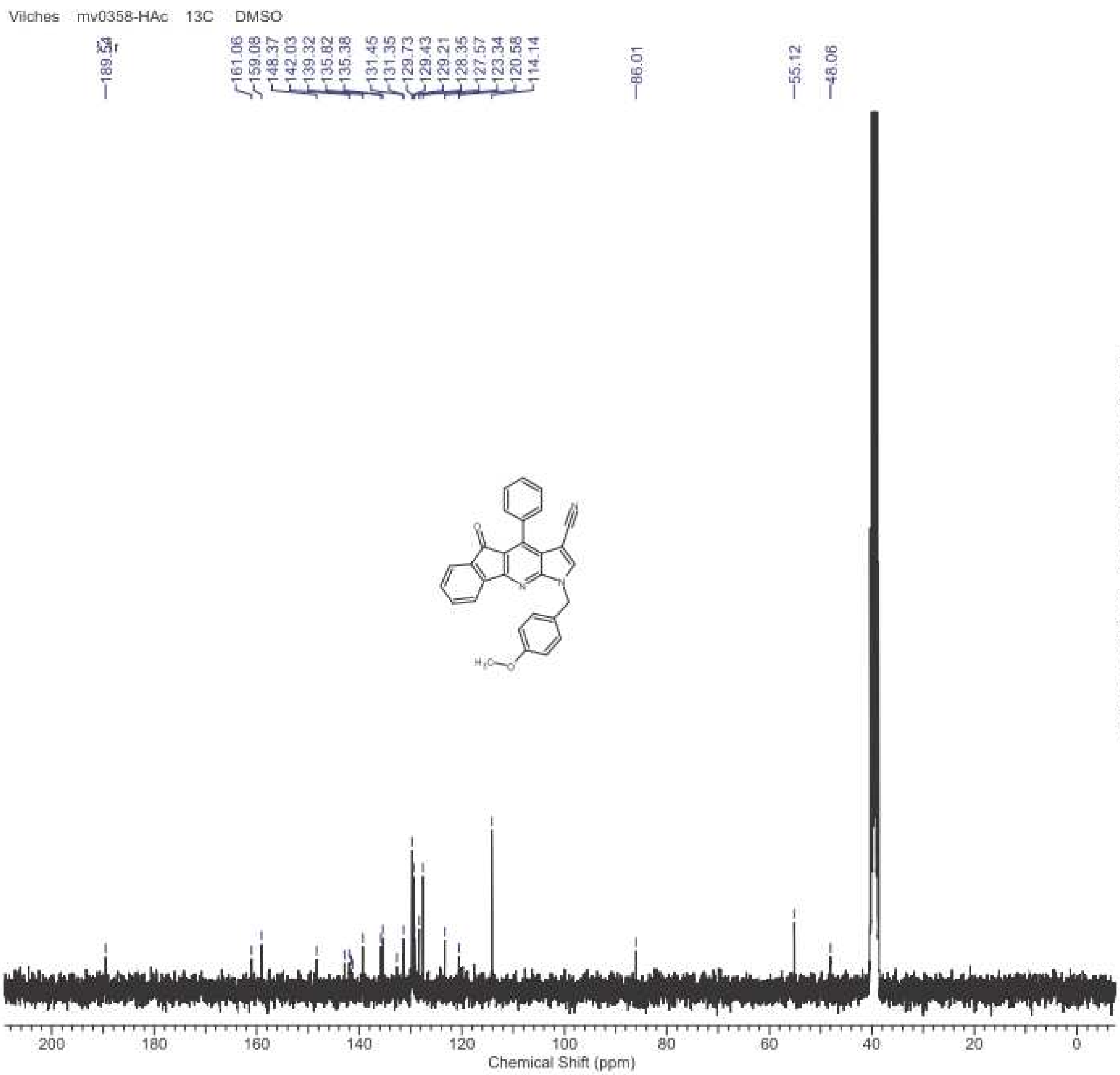
115

File Name	\120117.u316\10\pdata\1\1r
Date	17 Jan 2012 10:12:32
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	80.60
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6

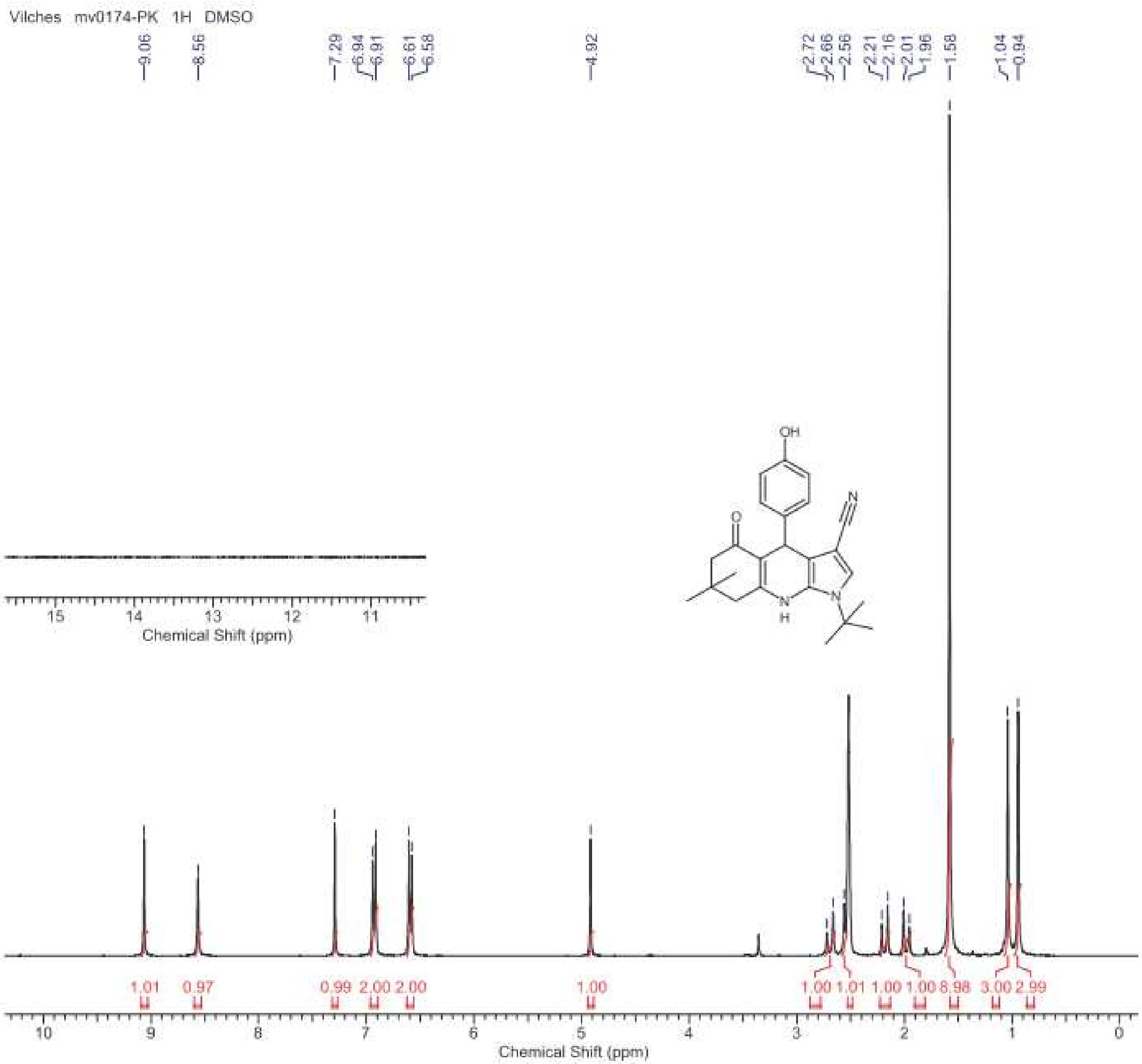

Vilches mv0339 13C DMSO
189.48
160.76
158.49
147.97
143.40
141.88
136.90
135.78
134.90
131.27
130.90
122.95
121.77
120.28
119.43
117.59
114.26
86.10
54.23
32.16
25.11
24.68
OH
O
N
N
File Name J:\120118.217\10\pdata\1\1r
Date 19 Jan 2012 03:20:48
Acquisition Time (sec) 2.1845
Date Stamp 19 Jan 2012 03:20:48
Nucleus 13C
Points Count 32768
Spectrum Offset (Hz) 6257.6045
Number of Transients 1024
Pulse Sequence zgpg30
Spectrum Type STANDARD
Origin spect
Receiver Gain 2050.00
Sweep Width (Hz) 14999.54
Original Points Count 32768
SW(cyclical) (Hz) 15000.00
Temperature (degree C) 25.160
Frequency (MHz) 62.90
Owner nmr
Solvent DMSO-d6
210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
Chemical Shift (ppm)



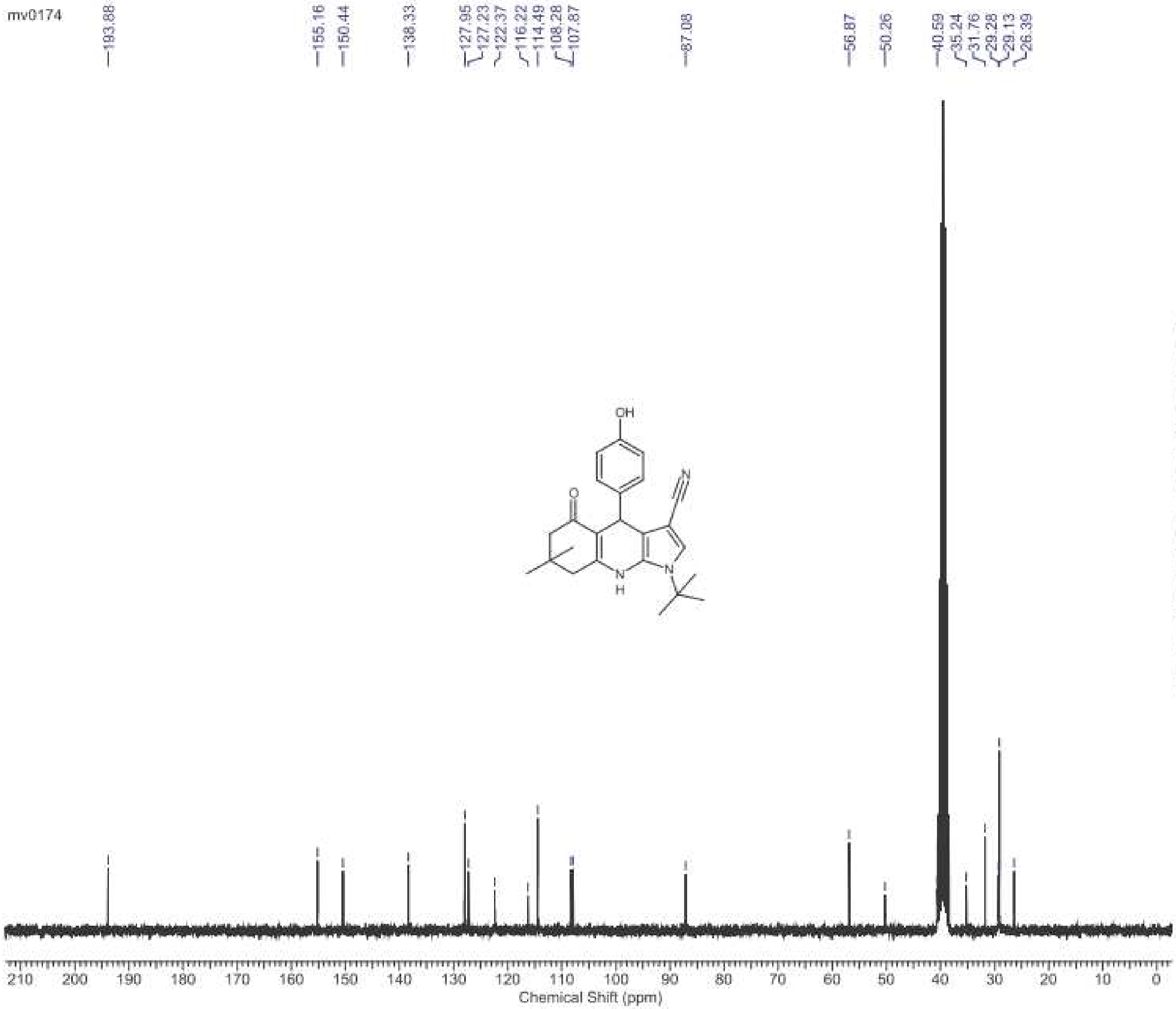
File Name	120213.u310\10\pdata\1\1r
Date	13 Feb 2012 10:44:32
Acquisition Time (sec)	5.2953
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Sweep Width (Hz)	6187.93
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	101.00
Spectrum Type	STANDARD
Origin	spect
Pulse Sequence	zg30
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160



File Name	\120213.u310\11\pdata\1\1r
Date	14 Feb 2012 02:23:12
Acquisition Time (sec)	1.8175
Nucleus	13C
Owner	nmrsu
SW(cyclical) (Hz)	18028.85
Sweep Width (Hz)	18028.29
Frequency (MHz)	75.47
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	7508.5698
Number of Transients	1024
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160

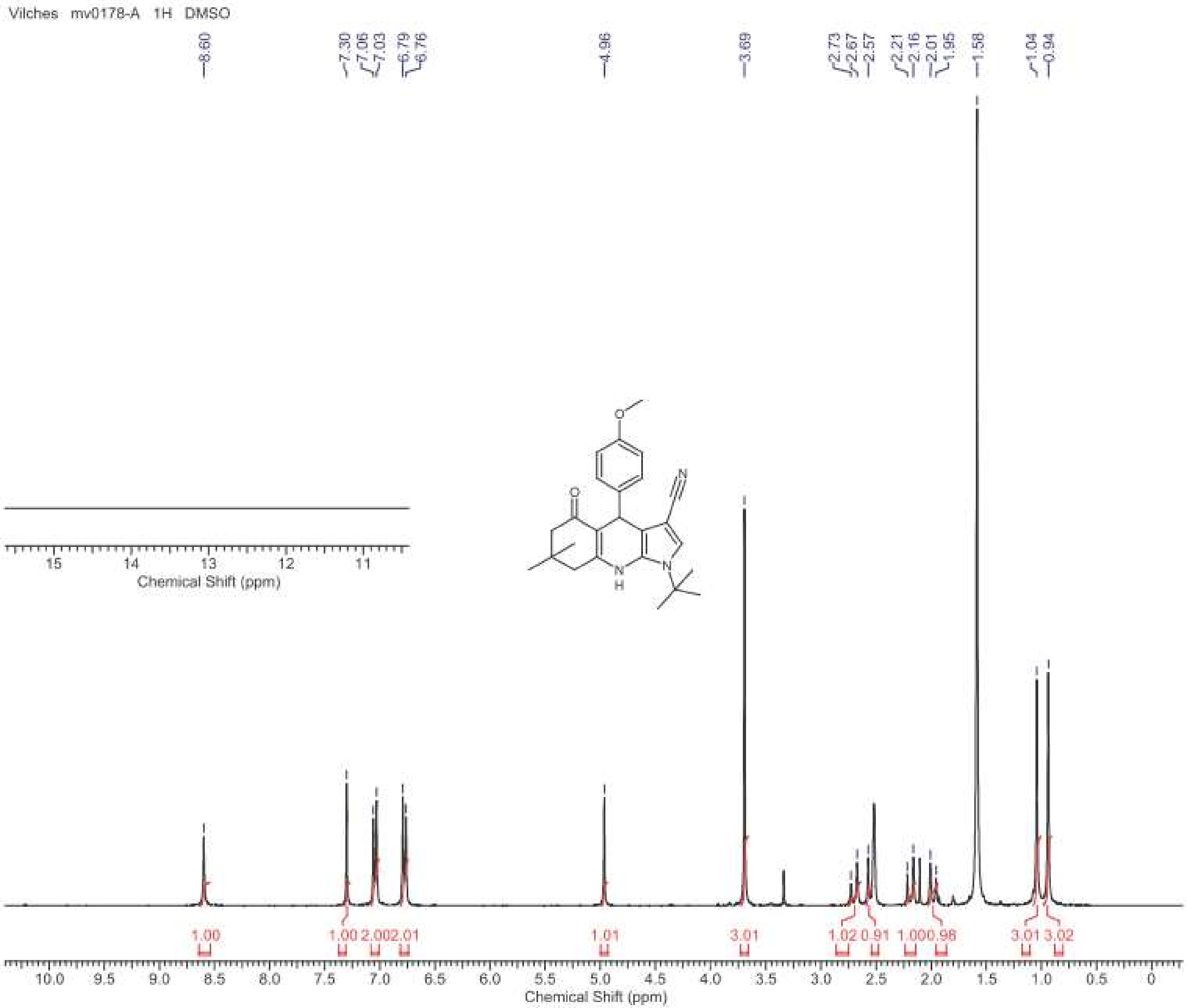


File Name	110215.u310\10\pdata\1\1r
Date	15 Feb 2011 09:06:24
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	90.50
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



120

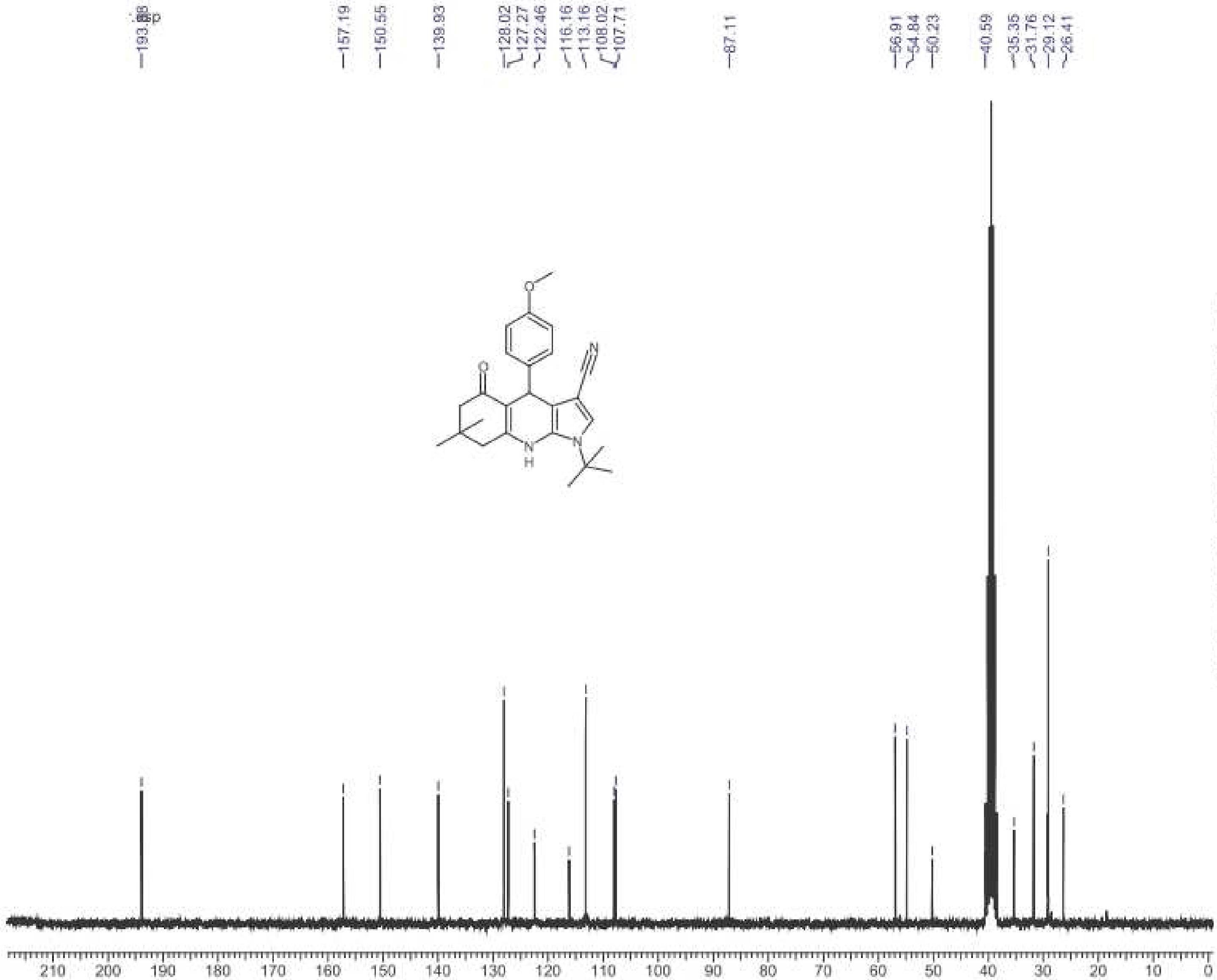
File Name	110216.253\10\pdata\1\1r
Date	17 Feb 2011 08:38:40
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	880
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.560
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6



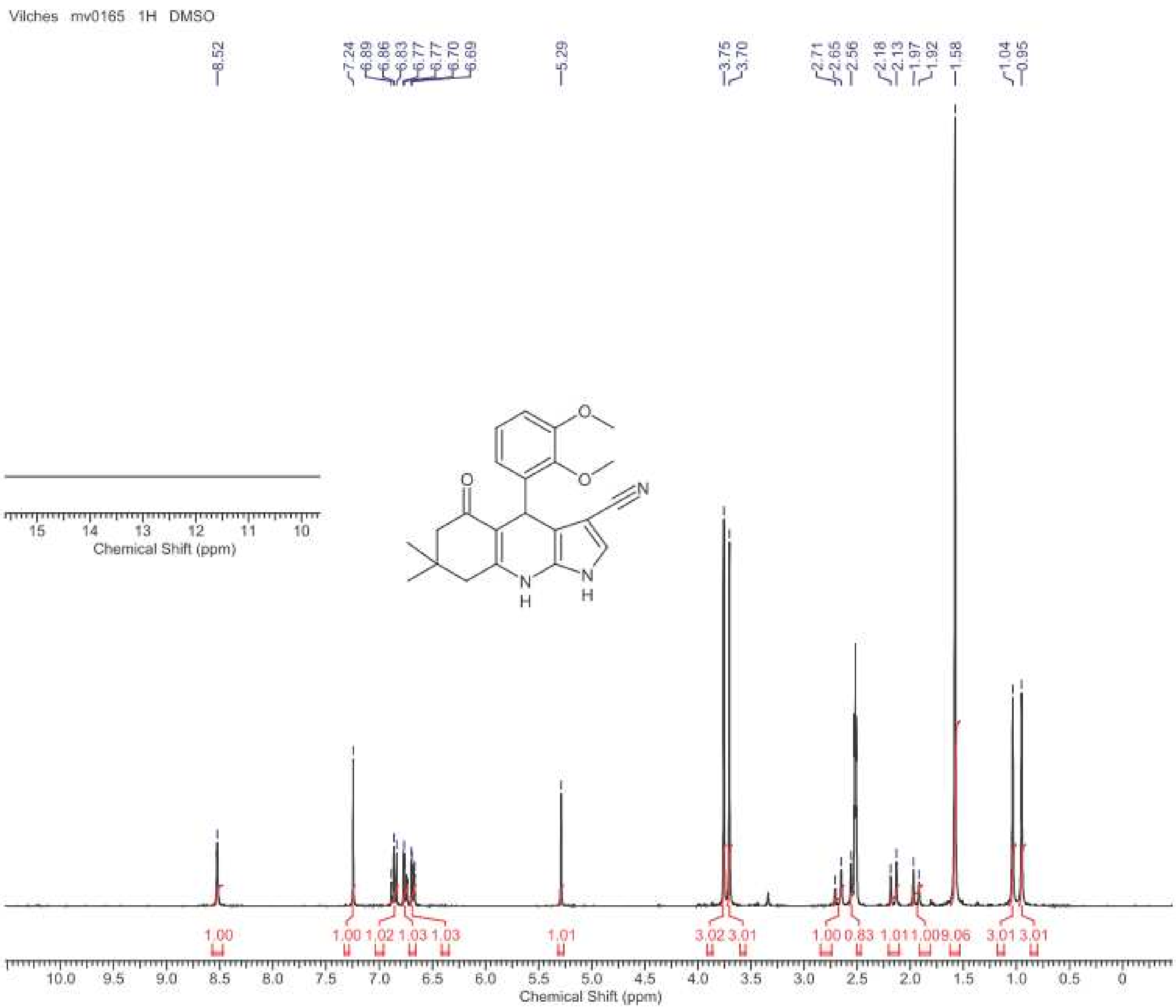
File Name	110224.u318\10\pdata\1\1r
Date	24 Feb 2011 11:12:16
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	114.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6

121

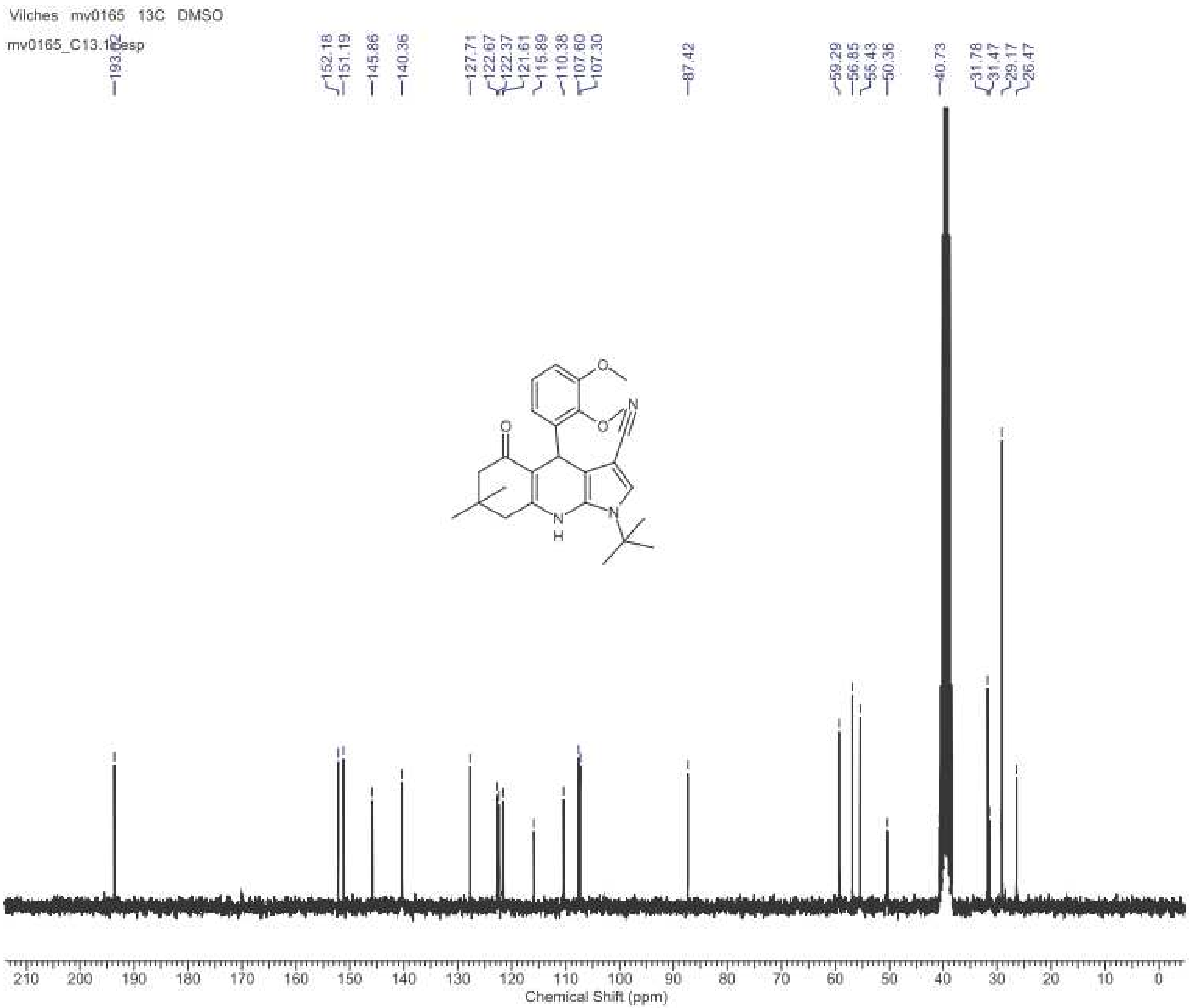
Vilches mv0178/1 13C DMSO



File Name	110222.214\10\pdata\1\1r
Date	23 Feb 2011 05:26:40
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.060
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6



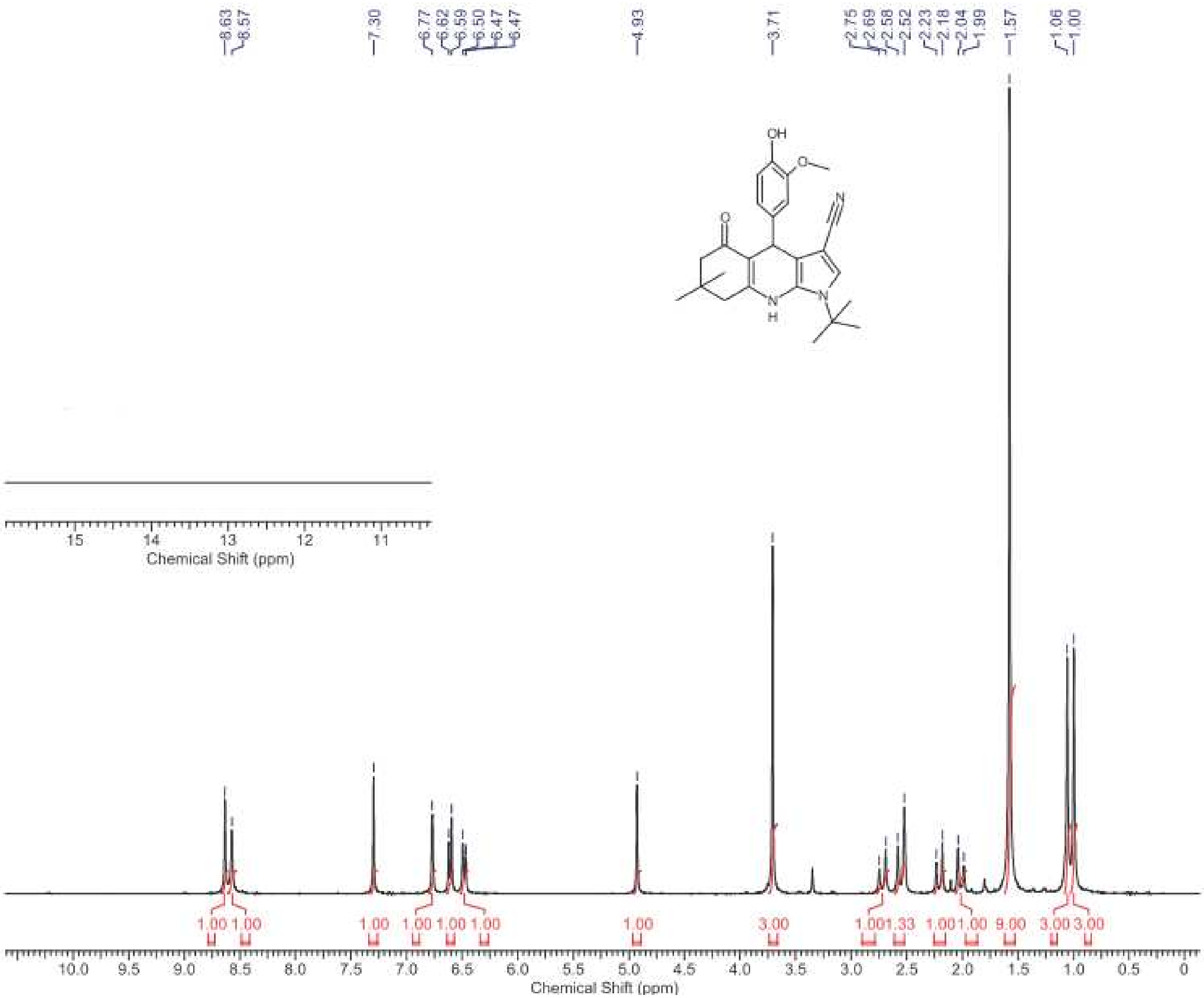
File Name	110203.u334\10\pdata\1\1r
Date	03 Feb 2011 13:45:52
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	101.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



File Name	110207.202\10\pdata\1\1r
Date	07 Feb 2011 12:33:20
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.860
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

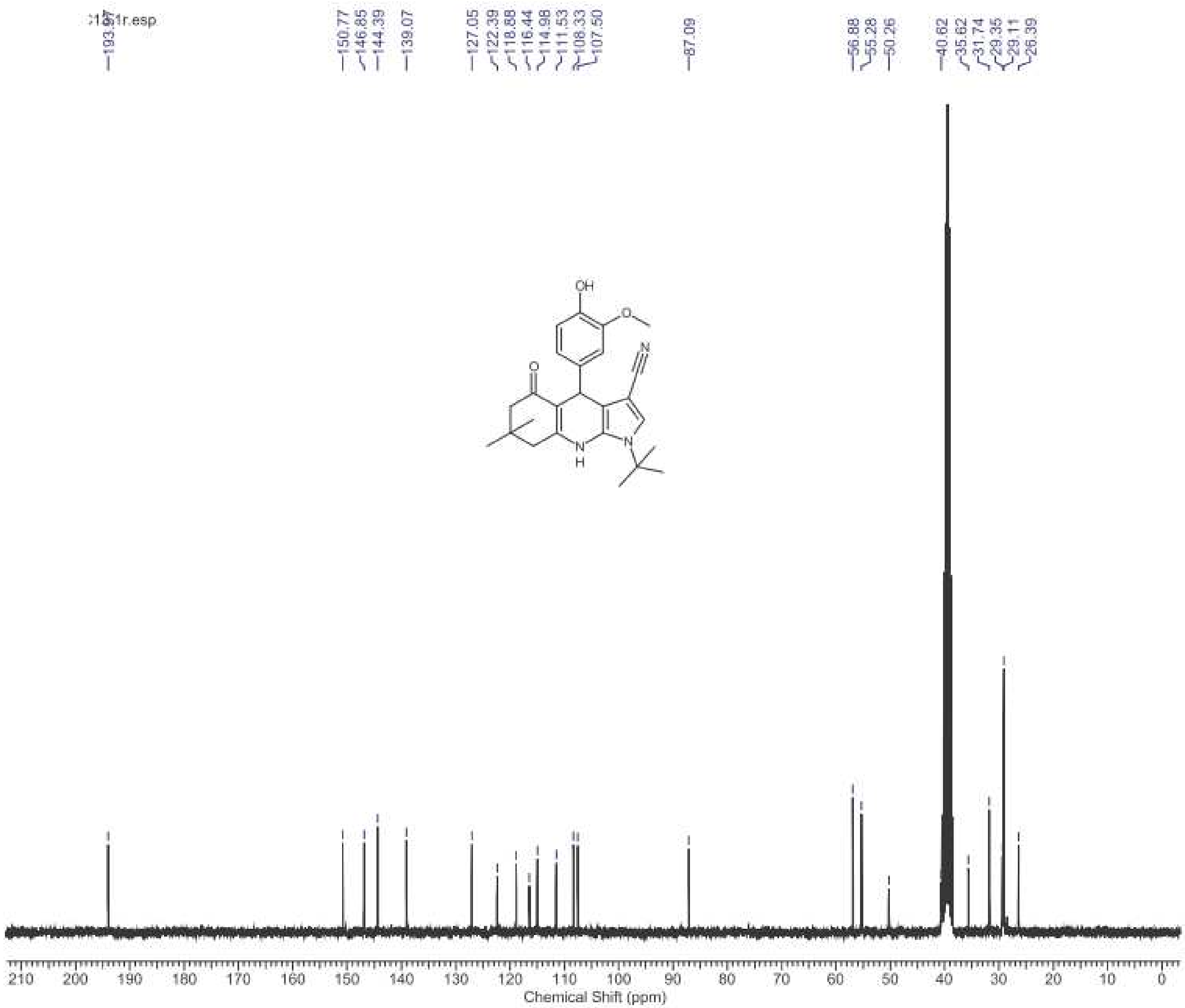
124

Vilches mv0172A 1H DMSO

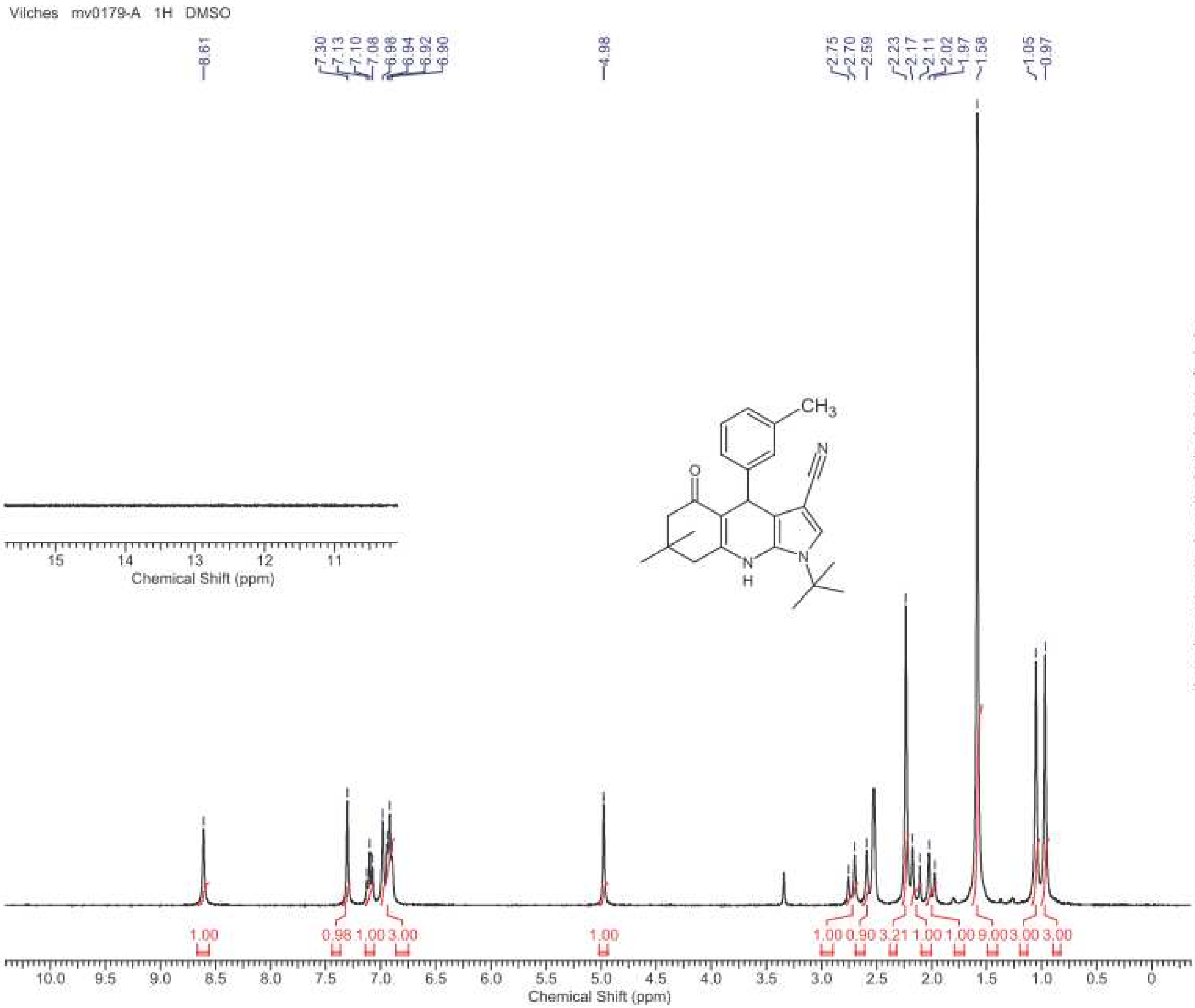


File Name	110224.u316\10\pdata\1\1r
Date	24 Feb 2011 10:59:28
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	101.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6

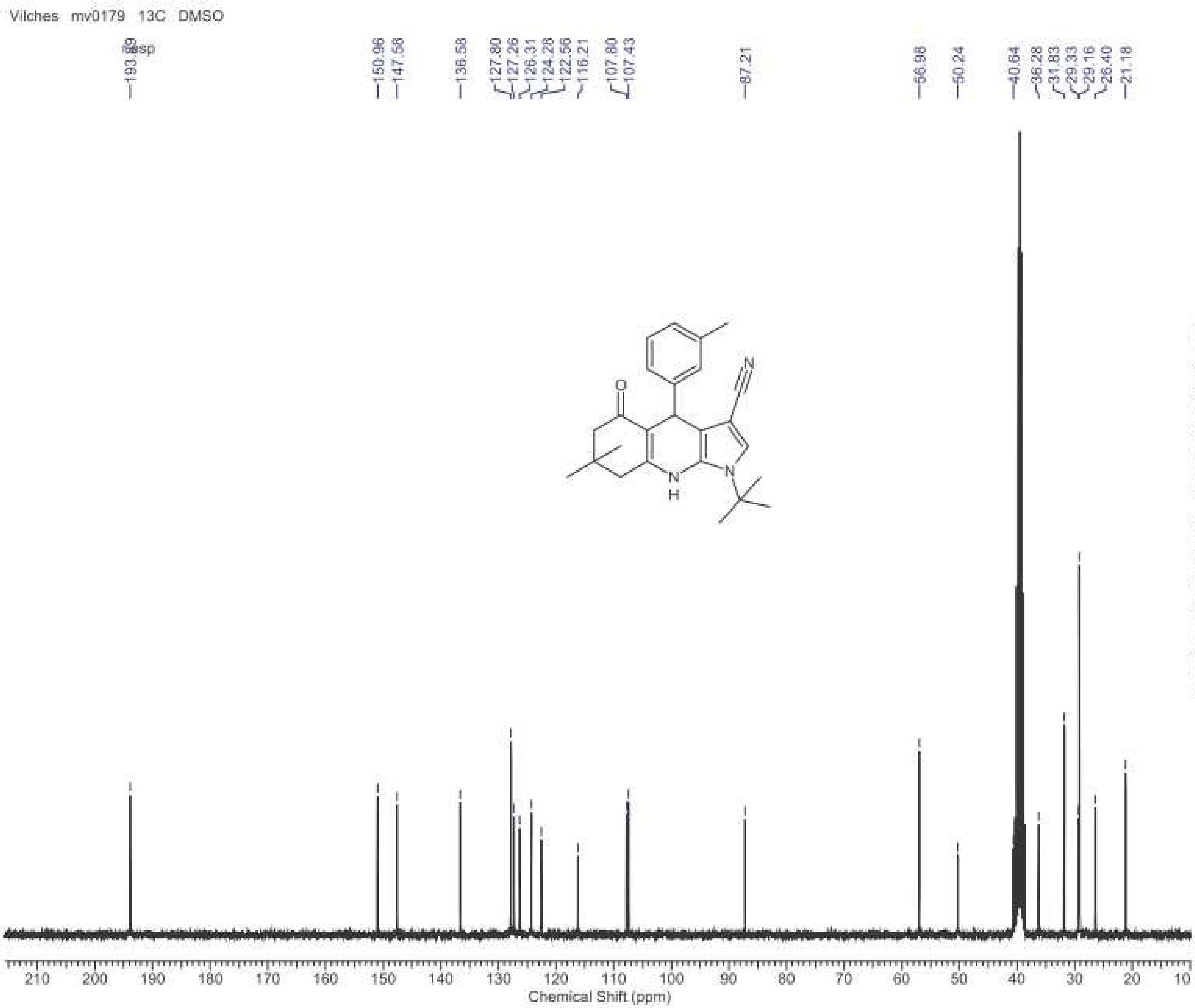
125



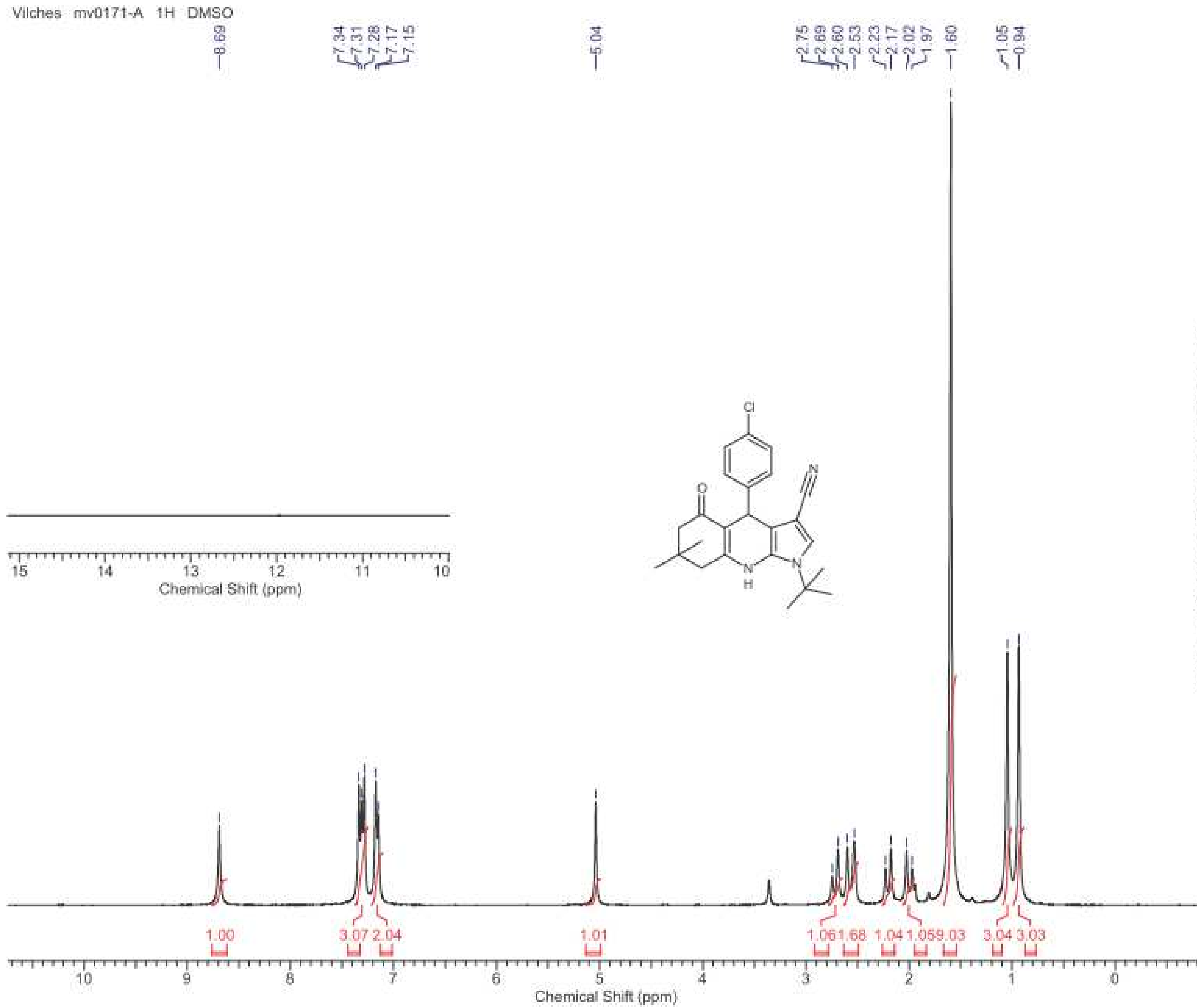
File Name	110225.228\10\pdata\1\1r
Date	27 Feb 2011 21:18:08
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.960
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6



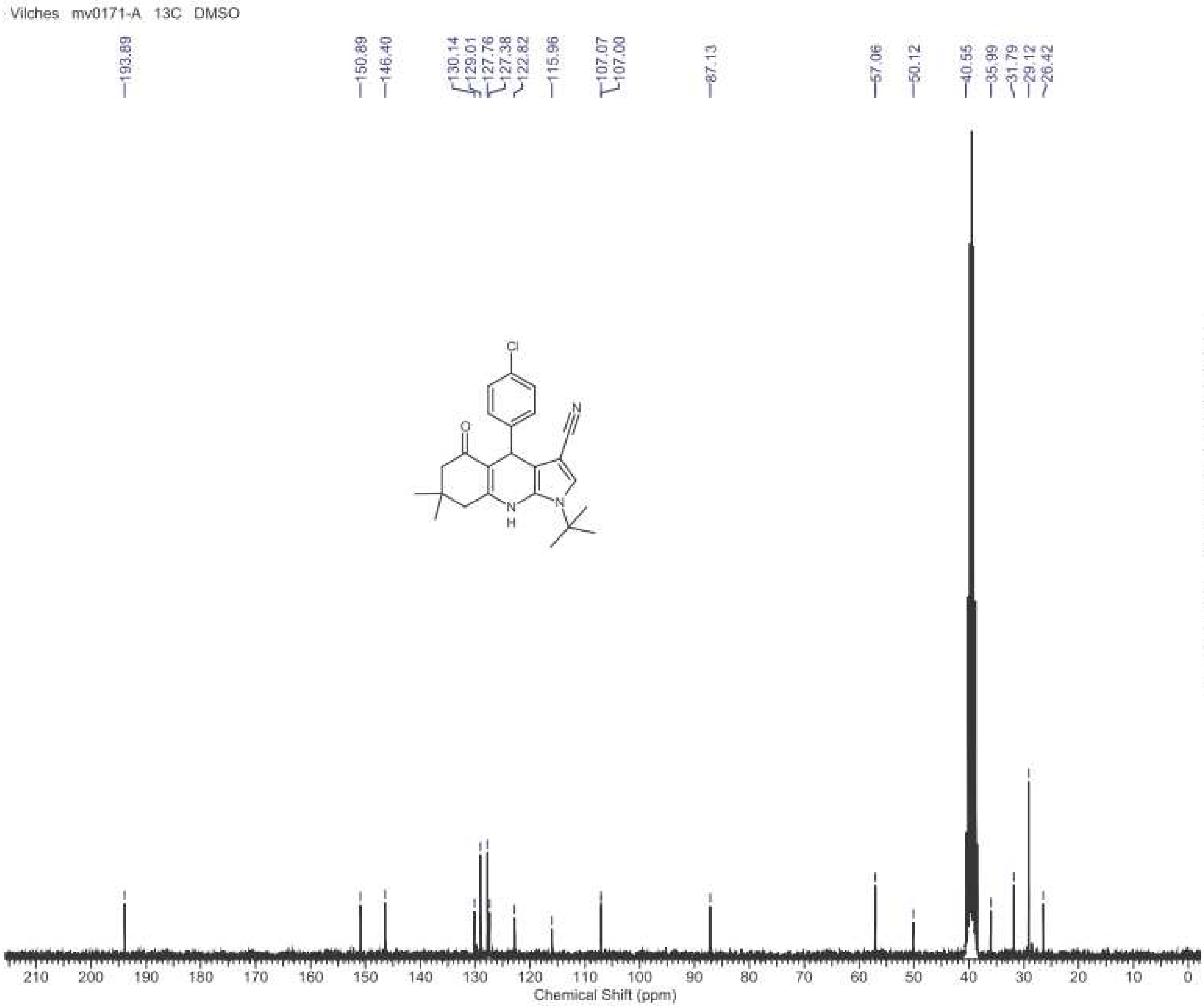
File Name	110223.u327\10\pdata\1\1r
Date	23 Feb 2011 13:09:36
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	114.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



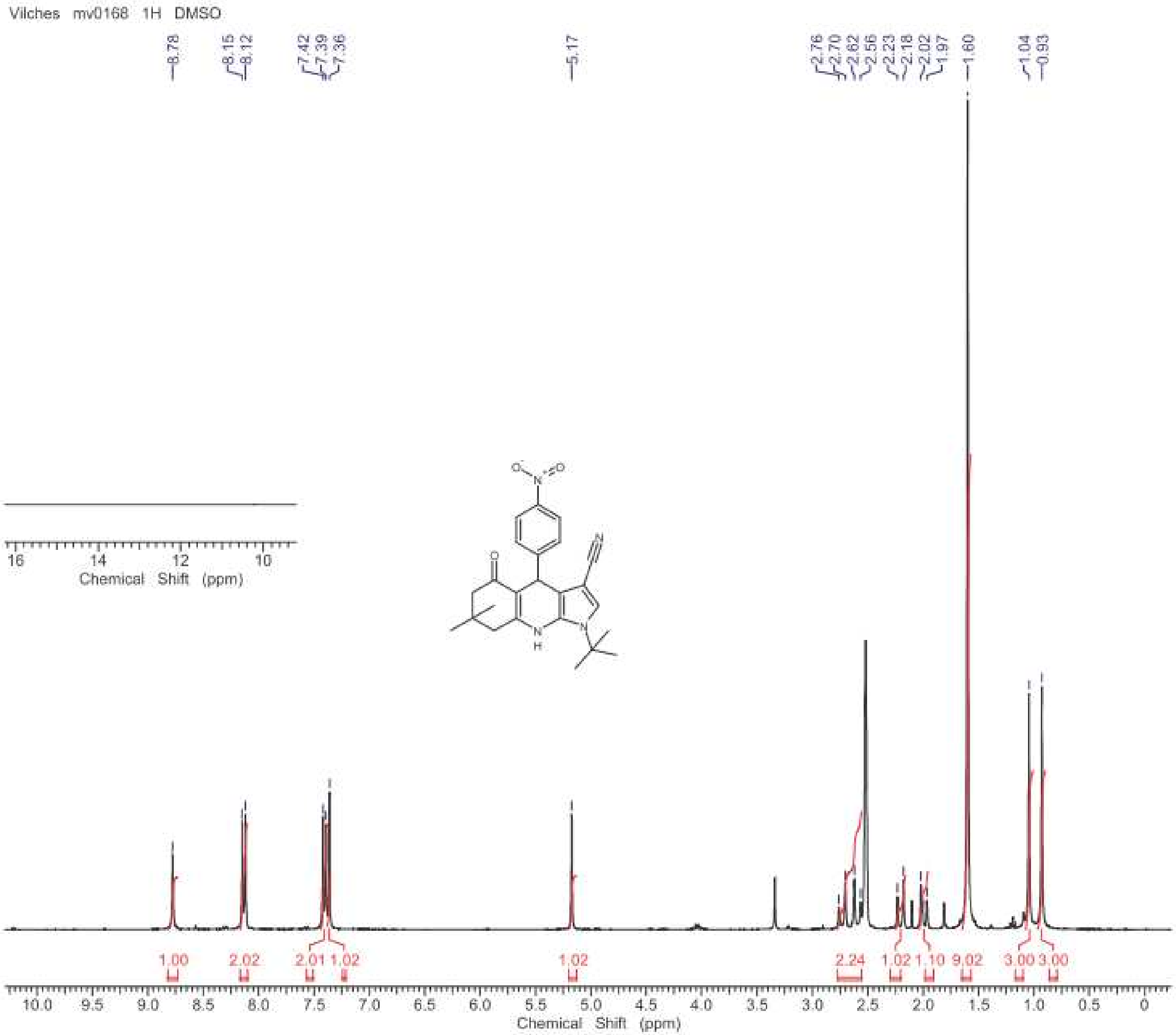
File Name	110906.u313\11\pdata\1\1r
Date	06 Sep 2011 22:03:12
Acquisition Time (sec)	1.8175
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	7508.5698
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	18028.29
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Temperature (degree C)	25.160
Frequency (MHz)	75.47
Owner	nmrsu
Solvent	DMSO-d6



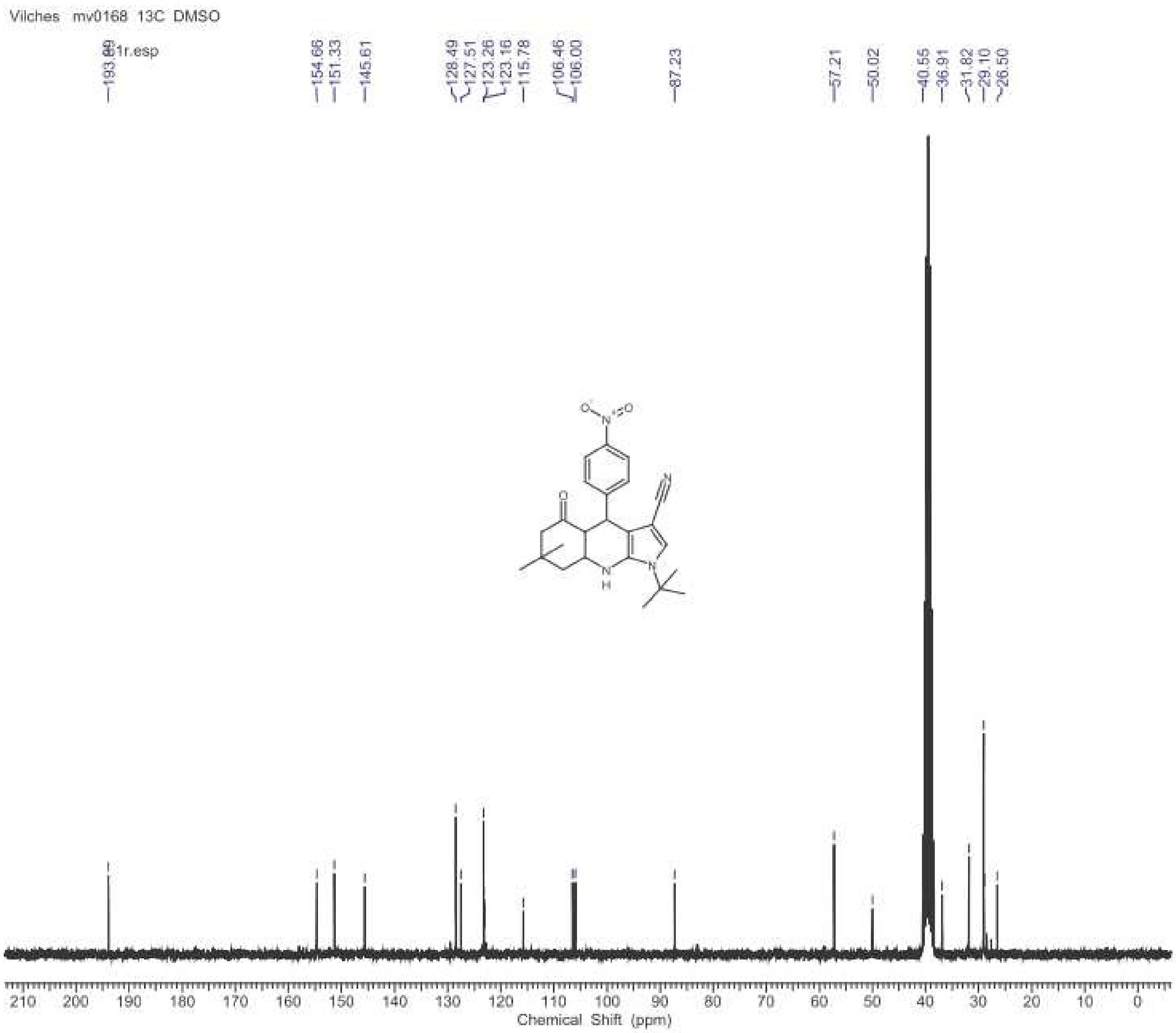
File Name	110225.u332\10\pdata\1\1r
Date	25 Feb 2011 14:41:20
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	71.80
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



File Name	110301.207\10\pdata\1\1r
Date	01 Mar 2011 18:57:20
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.860
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6



File Name	110217.u317\10\pdata\1\1r
Date	17 Feb 2011 11:10:08
Acquisition Time (sec)	5.2953
Date Stamp	17 Feb 2011 11:10:08
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	90.50
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



File Name	110222.212\10\pdata\1\1r
Date	23 Feb 2011 02:10:24
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.960
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

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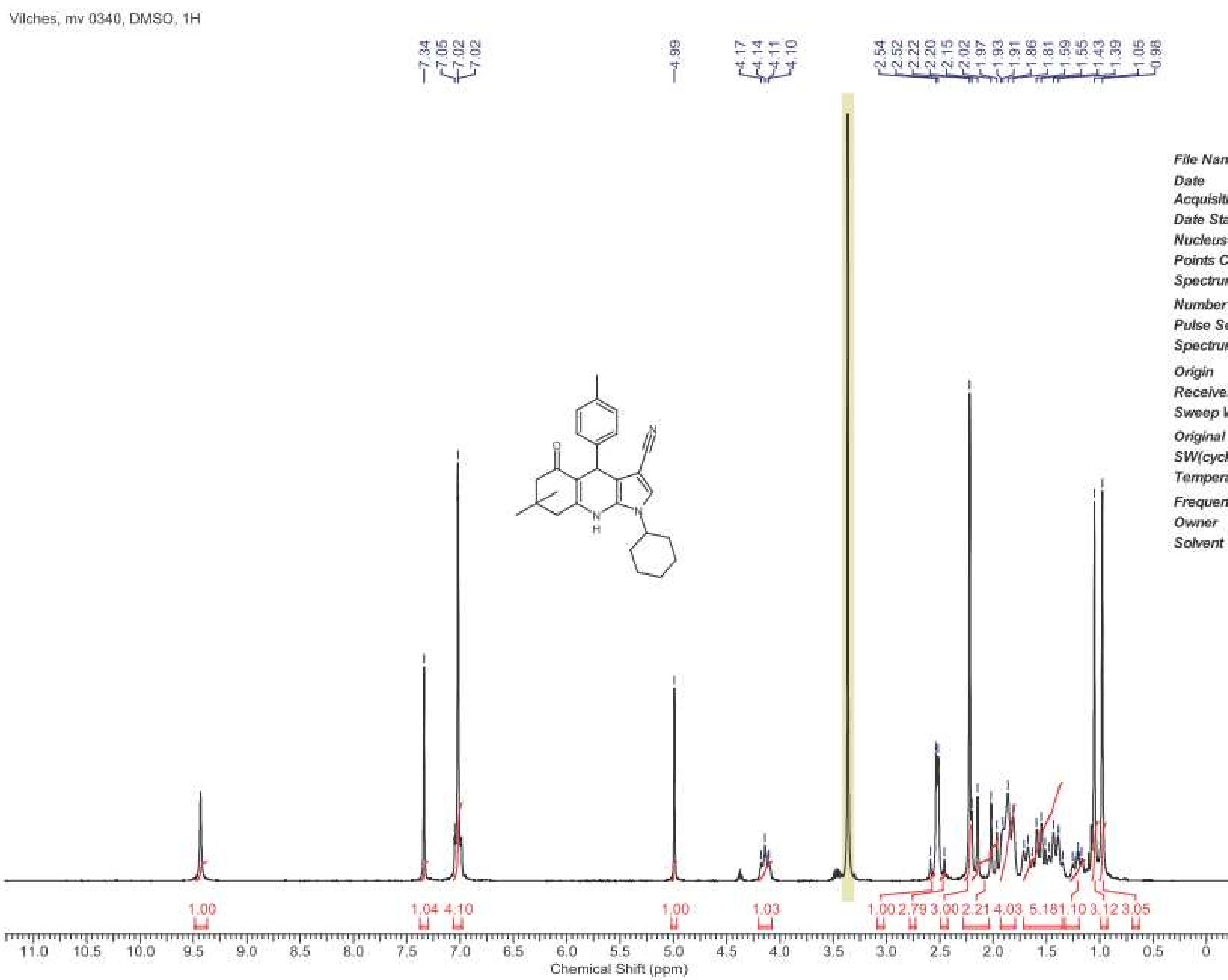
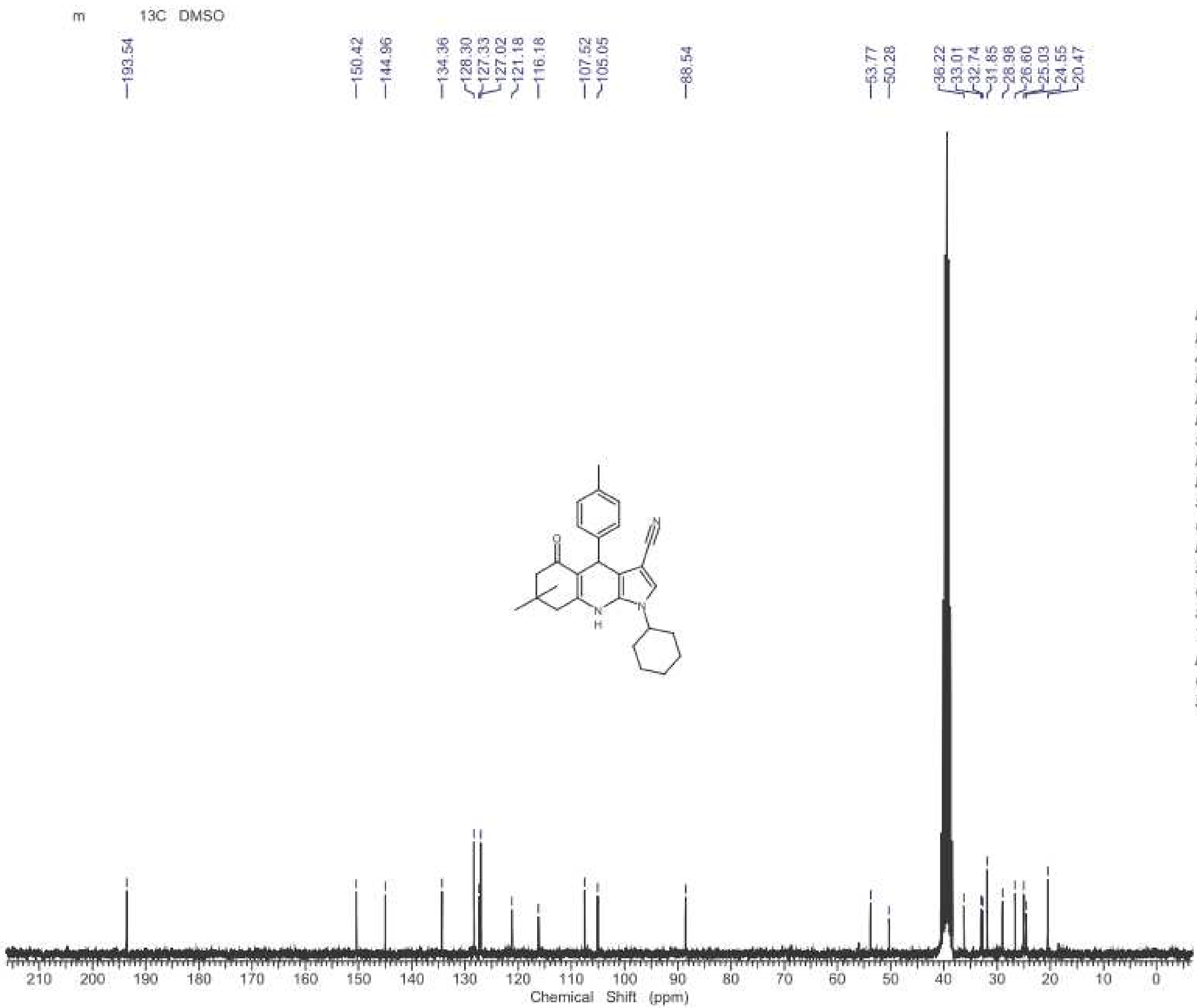
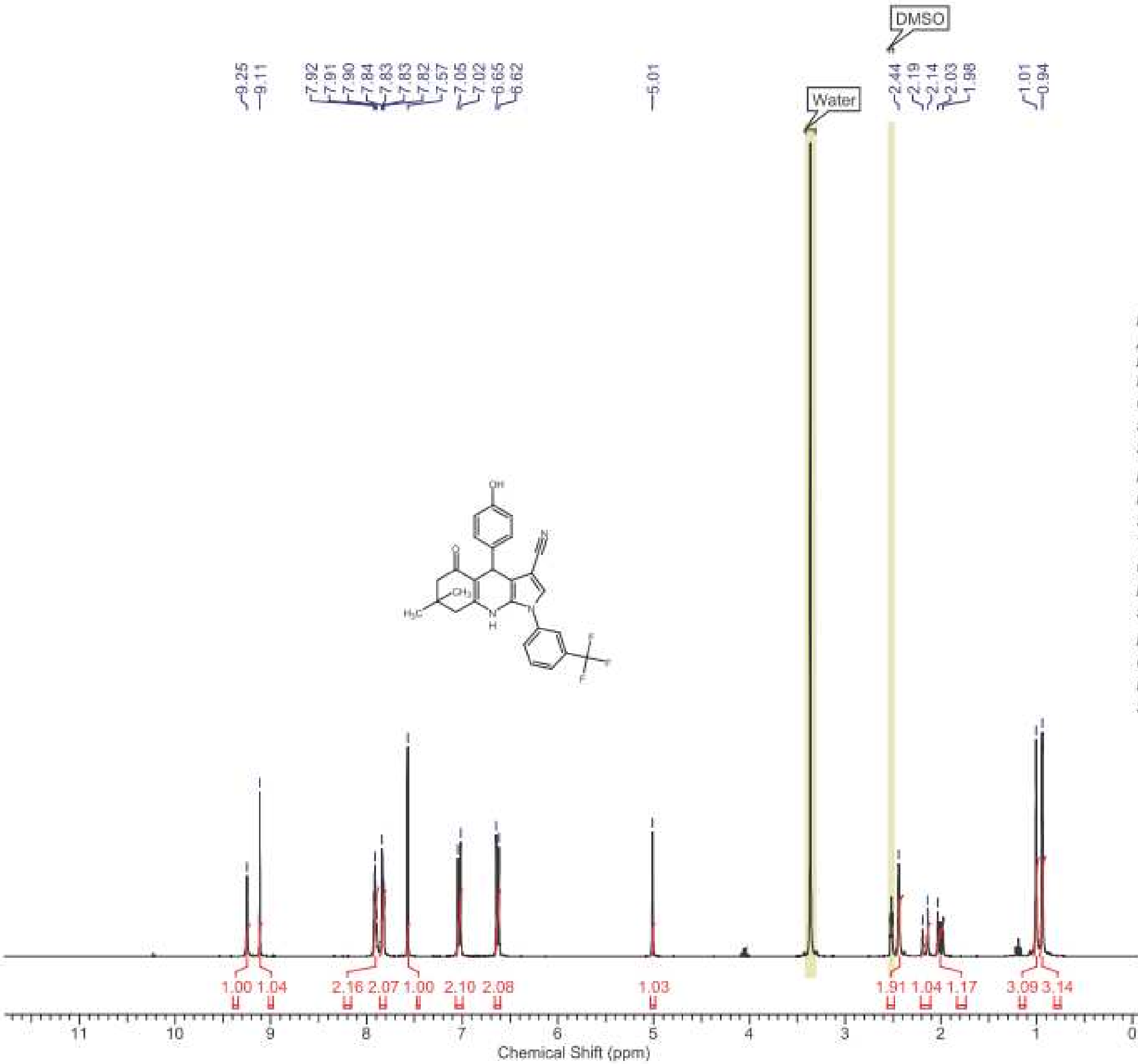


File Name		\120116.u332\10\pdata\1\1r
Date	16	2012 14:05:04
Acquisition Time (sec)		5.2953
Date Stamp	16	2012 14:05:04
Nucleus		1H
Points Count		32768
Spectrum Offset (Hz)		1853.4248
Number of Transients		16
Pulse Sequence		zg30
Spectrum Type		STANDARD
Origin		spect
Receiver Gain		50.80
Sweep Width (Hz)		6187.93
Original Points Count		32768
SW(cyclical) (Hz)		6188.12
Temperature (degree C)		25.160
Frequency (MHz)		300.13
Owner		nmrsu
Solvent		DMSO-d6



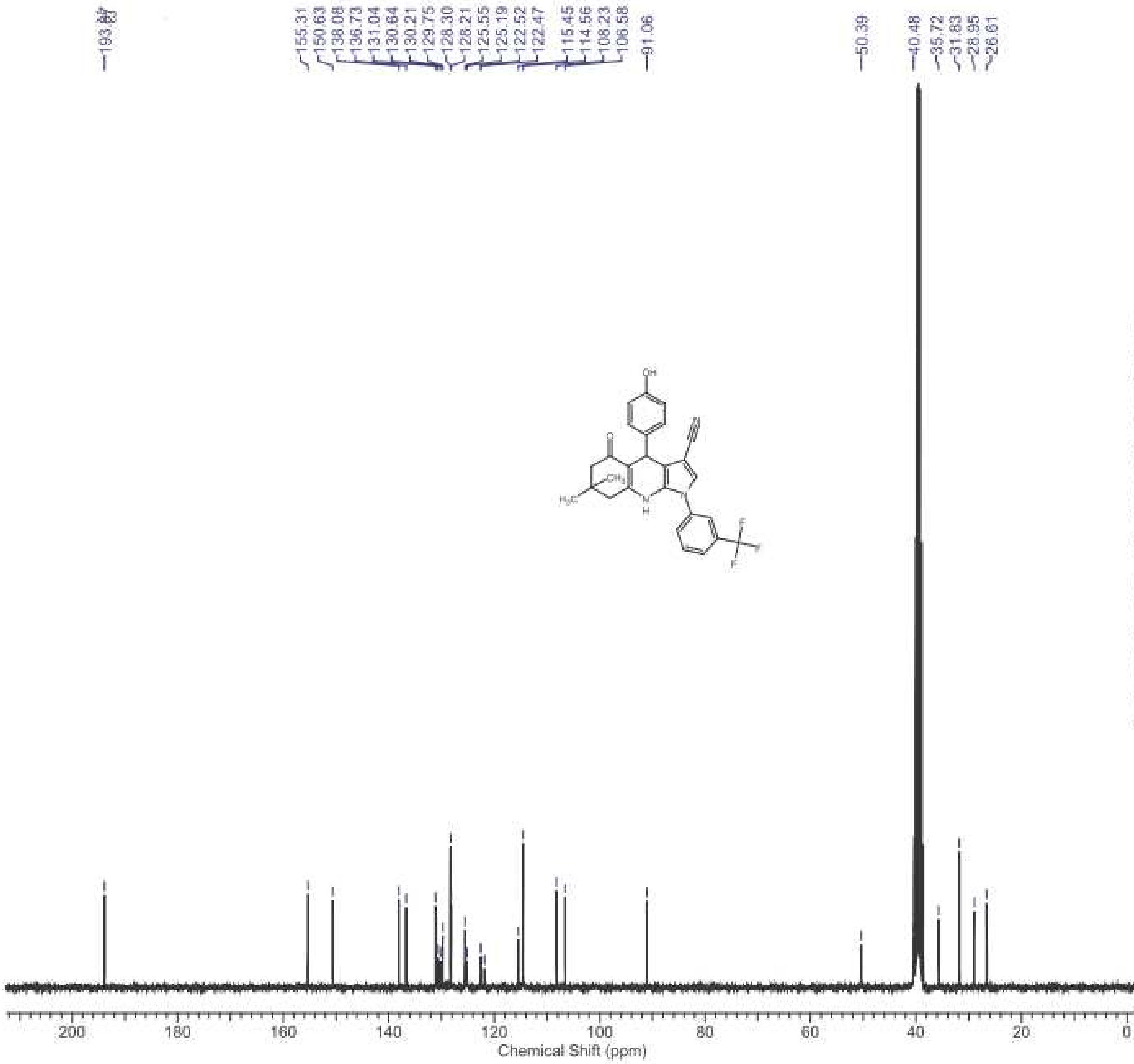
File Name	120117.204\10\pdata\1\1r
Date	17 2012 15:19:44
Acquisition Time (sec)	2.1845
Date Stamp	17 2012 15:19:44
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.160
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

Vilches mv0349-3 1H DMSO



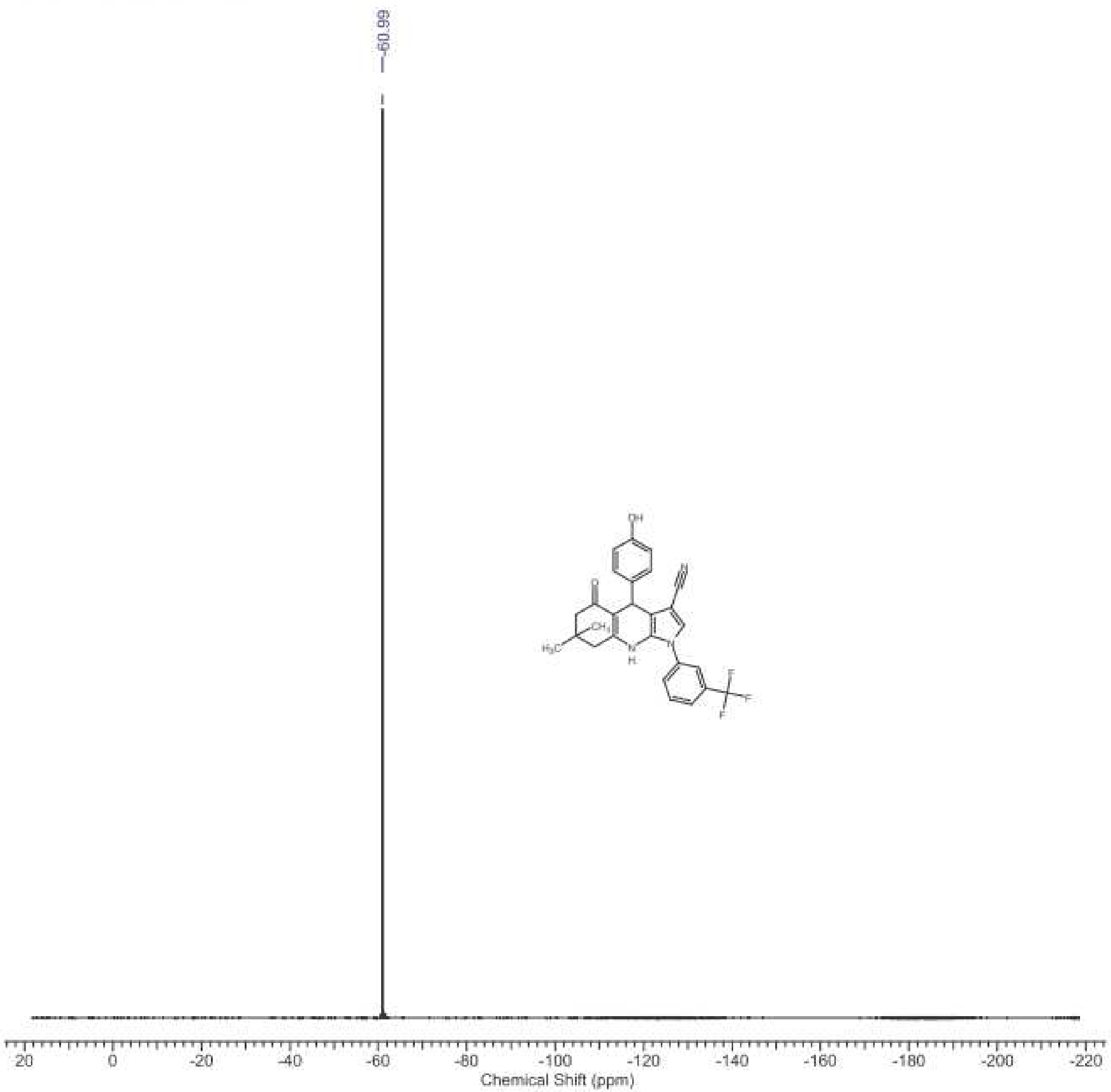
File Name	\120203.u319\10\pdata\1\1r
Acquisition Time (sec)	5.2953
Date	03 Feb 2012 13:22:24
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Sweep Width (Hz)	6187.93
Number of Transients	16
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zg30
Spectrum Offset (Hz)	1853.4248
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	90.50
Spectrum Type	STANDARD

Vilches mv0349-3 13C DMSO



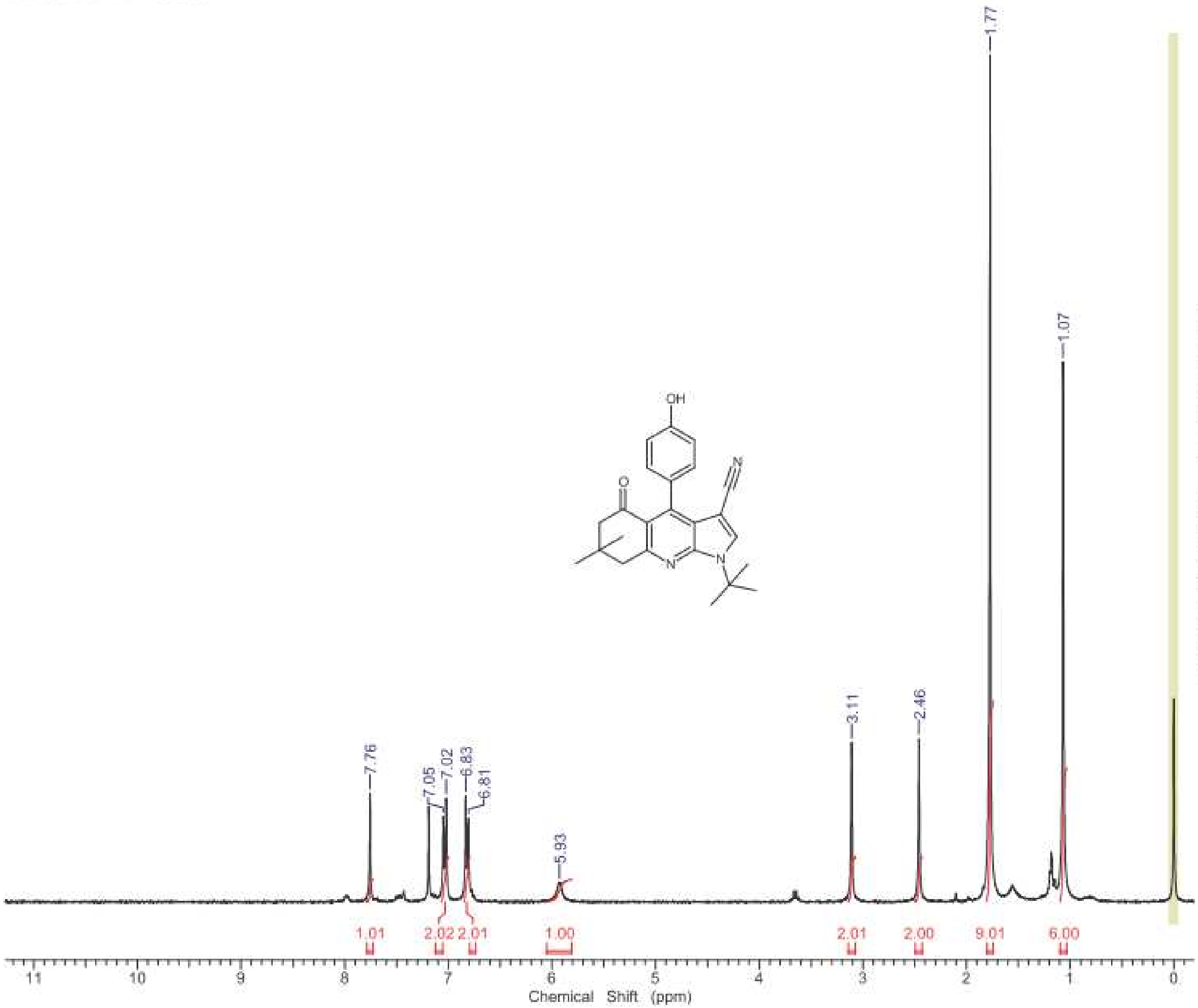
File Name	\120203.u319\12\pdata\1\1r
Acquisition Time (sec)	1.8175
Date	04 Feb 2012 20:09:52
Nucleus	13C
Owner	nmrsu
SW(cyclical) (Hz)	18028.85
Sweep Width (Hz)	18028.29
Number of Transients	3072
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	7508.5698
Frequency (MHz)	75.47
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD

Vilches mv0349-3 19F DMSO



File Name	\120203.u319\11\pdata\1\1r
Date	03 Feb 2012 13:28:48
Acquisition Time (sec)	0.9787
Nucleus	19F
Owner	nmrsu
SW(cyclical) (Hz)	66964.29
Sweep Width (Hz)	66963.27
Frequency (MHz)	282.40
Original Points Count	65536
Receiver Gain	2050.00
Spectrum Type	STANDARD
Origin	spect
Pulse Sequence	zgfhigqn
Spectrum Offset (Hz)	-28240.2227
Number of Transients	80
Points Count	65536
Solvent	DMSO-d6
Temperature (degree C)	25.160

Vilches 174-0 1 CDCl3



File Name	J:\120123.
Date	23 Jan 2012 10:33:52
Acquisition Time (sec)	5.2953
Nucleus	1
Points Count	32768
Spectrum Offset (Hz)	1821.8666
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	256.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrs
Solvent	C

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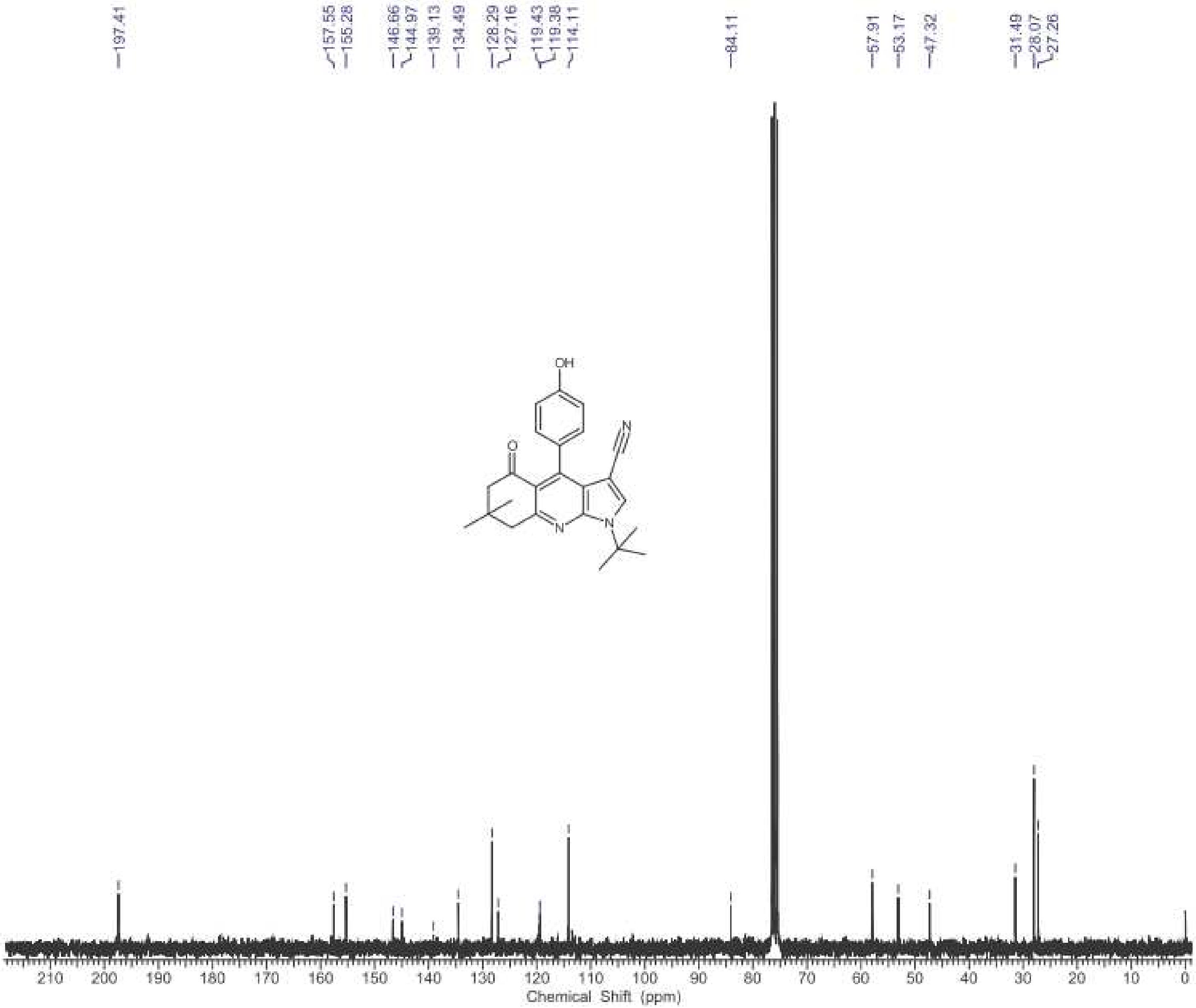
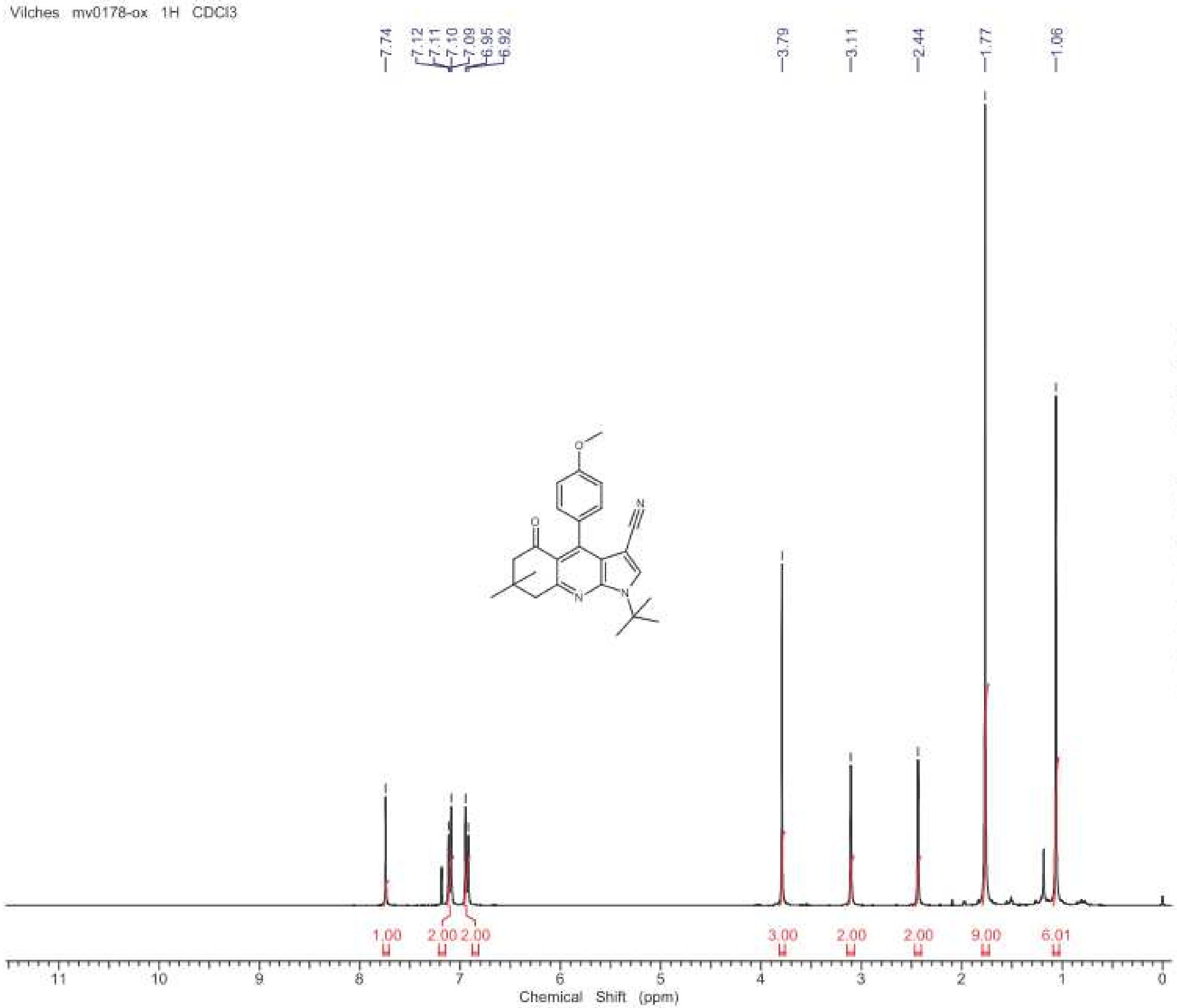
Vilches 174.0 13C CDCl3

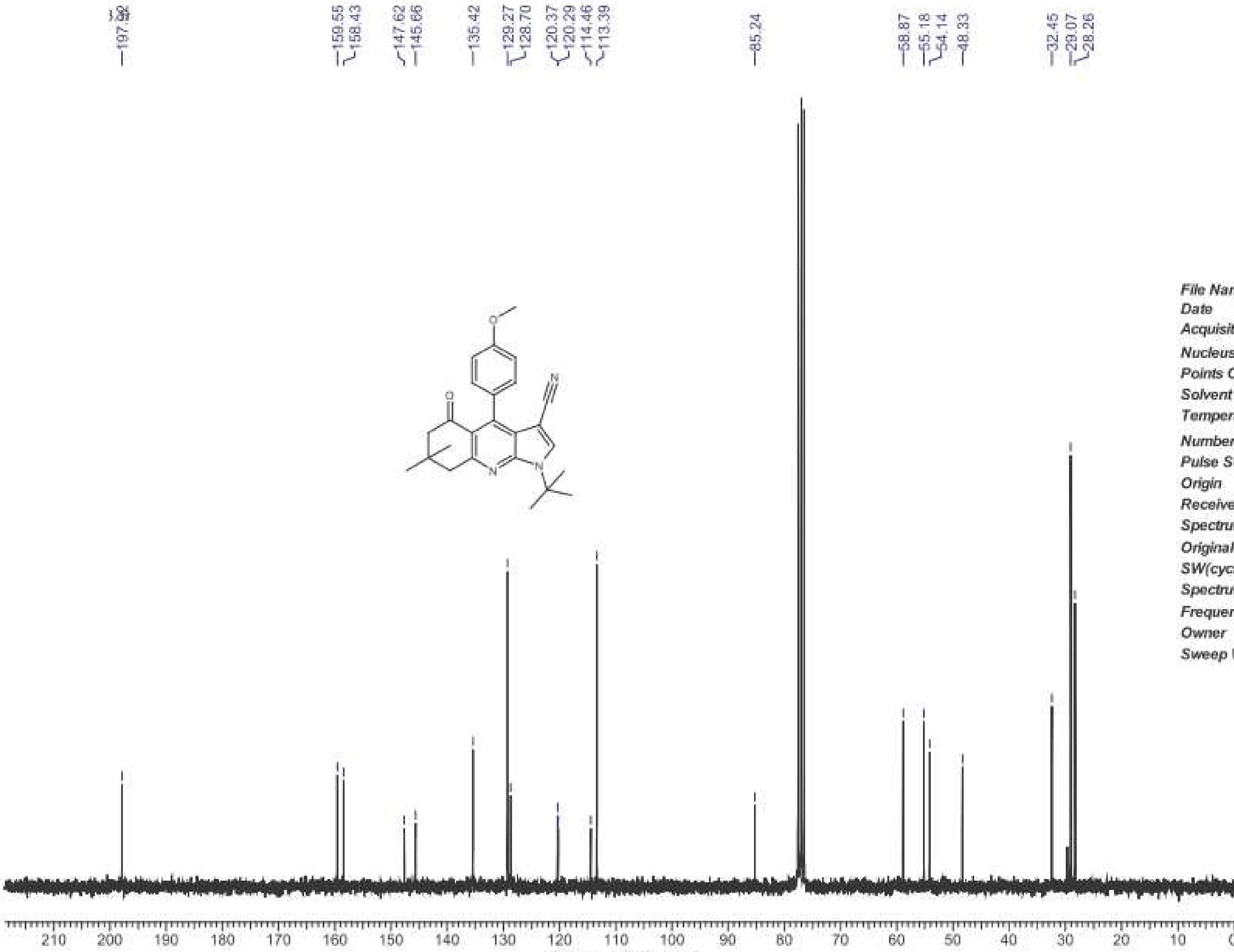


File Name	J:\120123.u205\12\pdata\1\1r
Date	23 Jan 2012 18:12:32
Acquisition Time (sec)	2.1845
Date Stamp	23 Jan 2012 18:12:32
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6226.2075
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.060
Frequency (MHz)	62.90
Owner	nmr
Solvent	CHLOROFORM-d

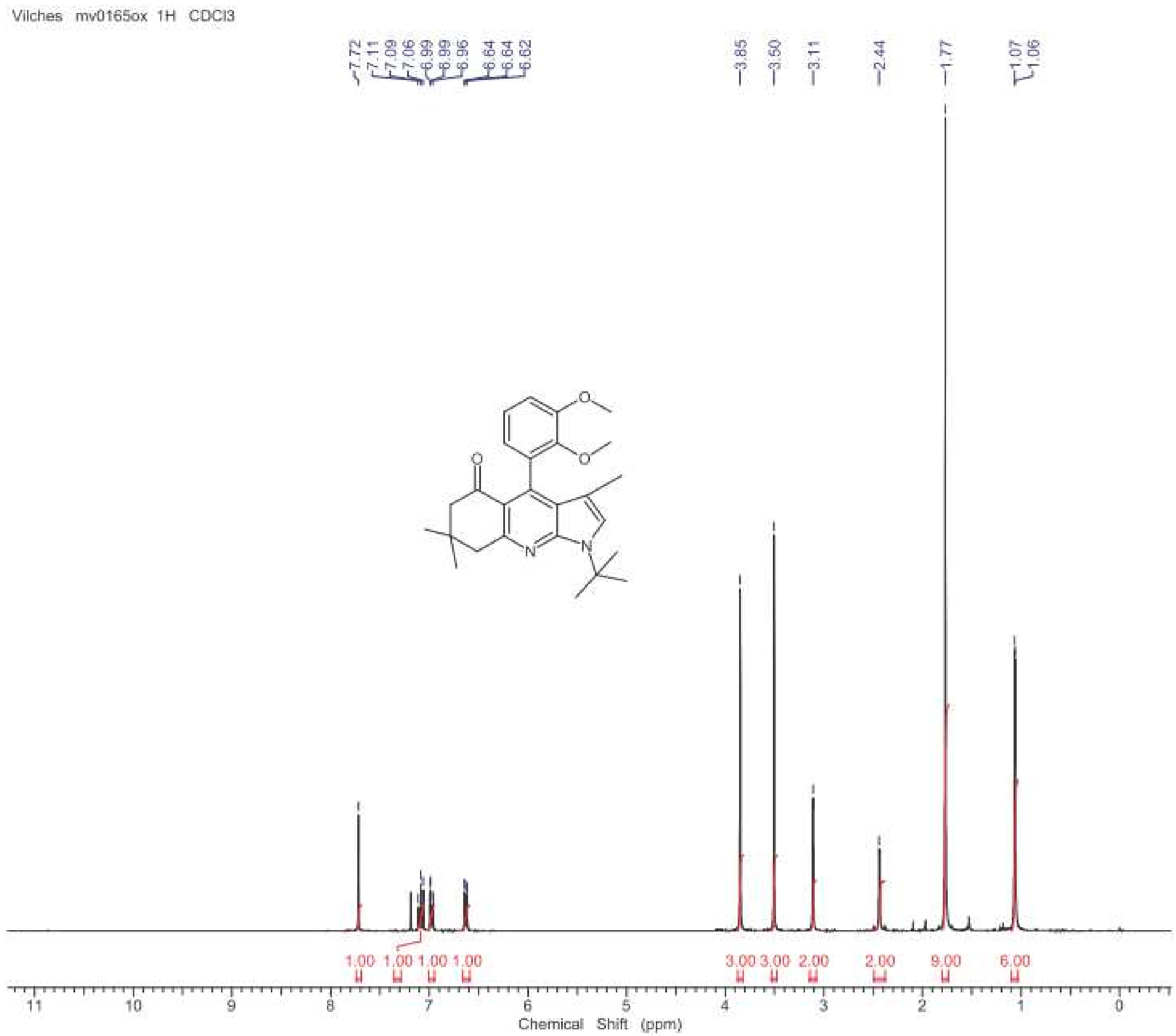


File Name	120118.u315\10\pdata\1\1r
Date	18 Jan 2012 09:57:36
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.160
Number of Transients	16
Pulse Sequence	zg30
Origin	spect
Receiver Gain	90.50
Spectrum Offset (Hz)	1822.0945
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Spectrum Type	STANDARD
Frequency (MHz)	300.13
Owner	nmrsu
Sweep Width (Hz)	6187.93

Vilches mv0178-ox 13C CDCl3



File Name	120118.219\10\pdata\1\1r
Date	19 Jan 2012 06:30:40
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.160
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54



File Name	120109.u305\10\pdata\1\1r
Date	09 Jan 2012 09:53:20
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1822.7069
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	80.60
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d

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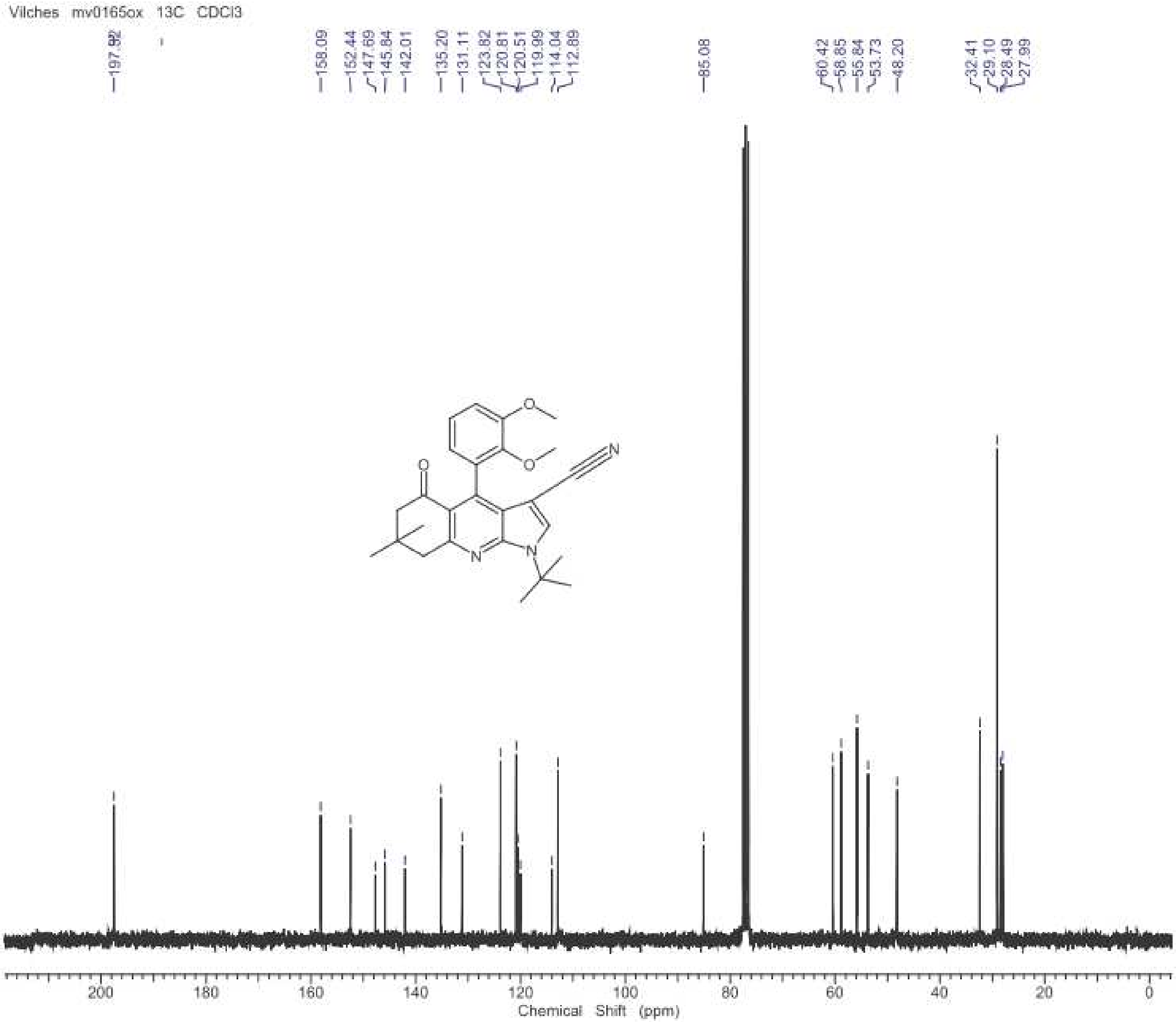
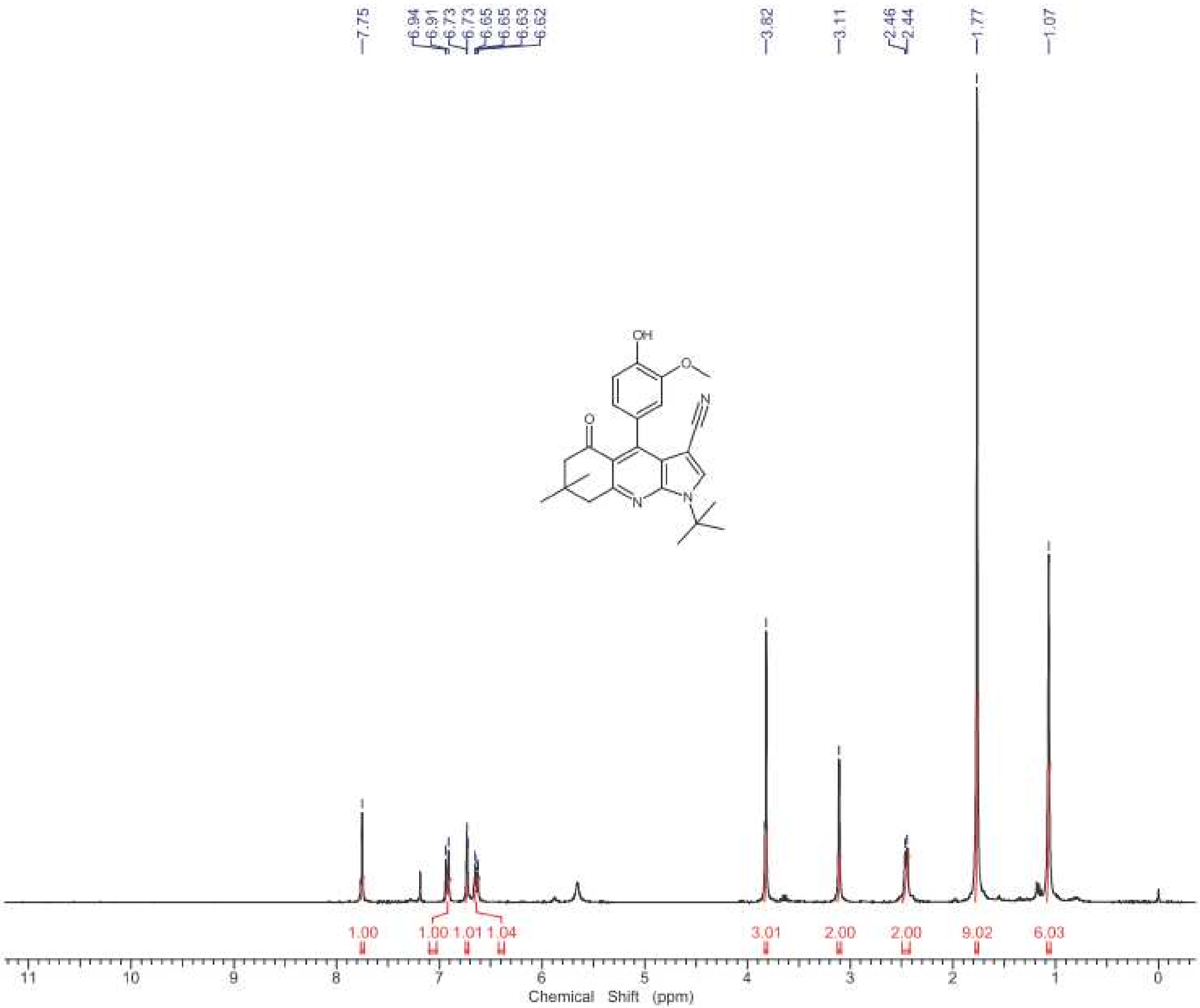


143

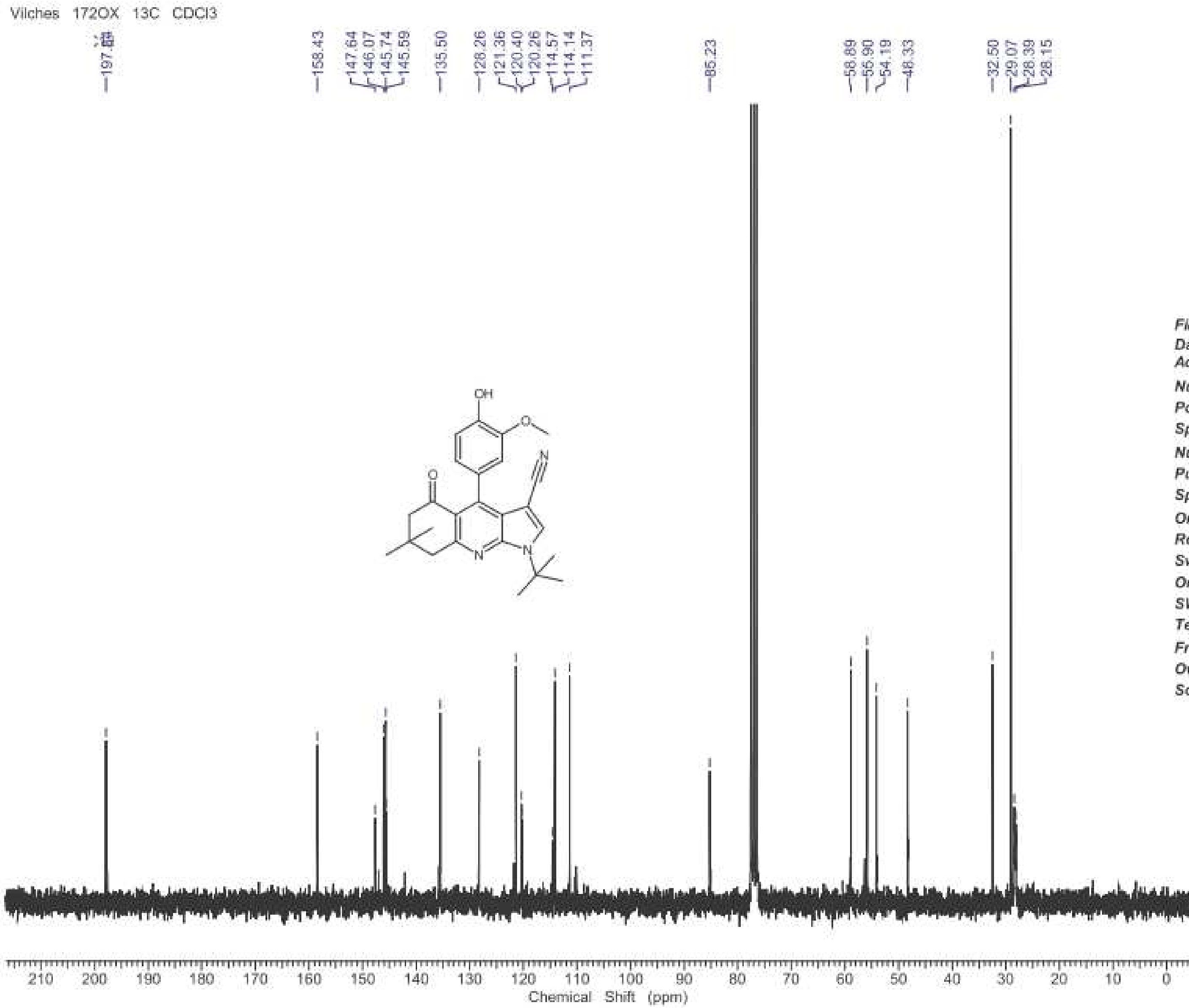
File Name	\120110.206\10\pdata\1\1r
Date	10 Jan 2012 21:01:04
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.160
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54

Vilches 172 OX 1H CDCl3

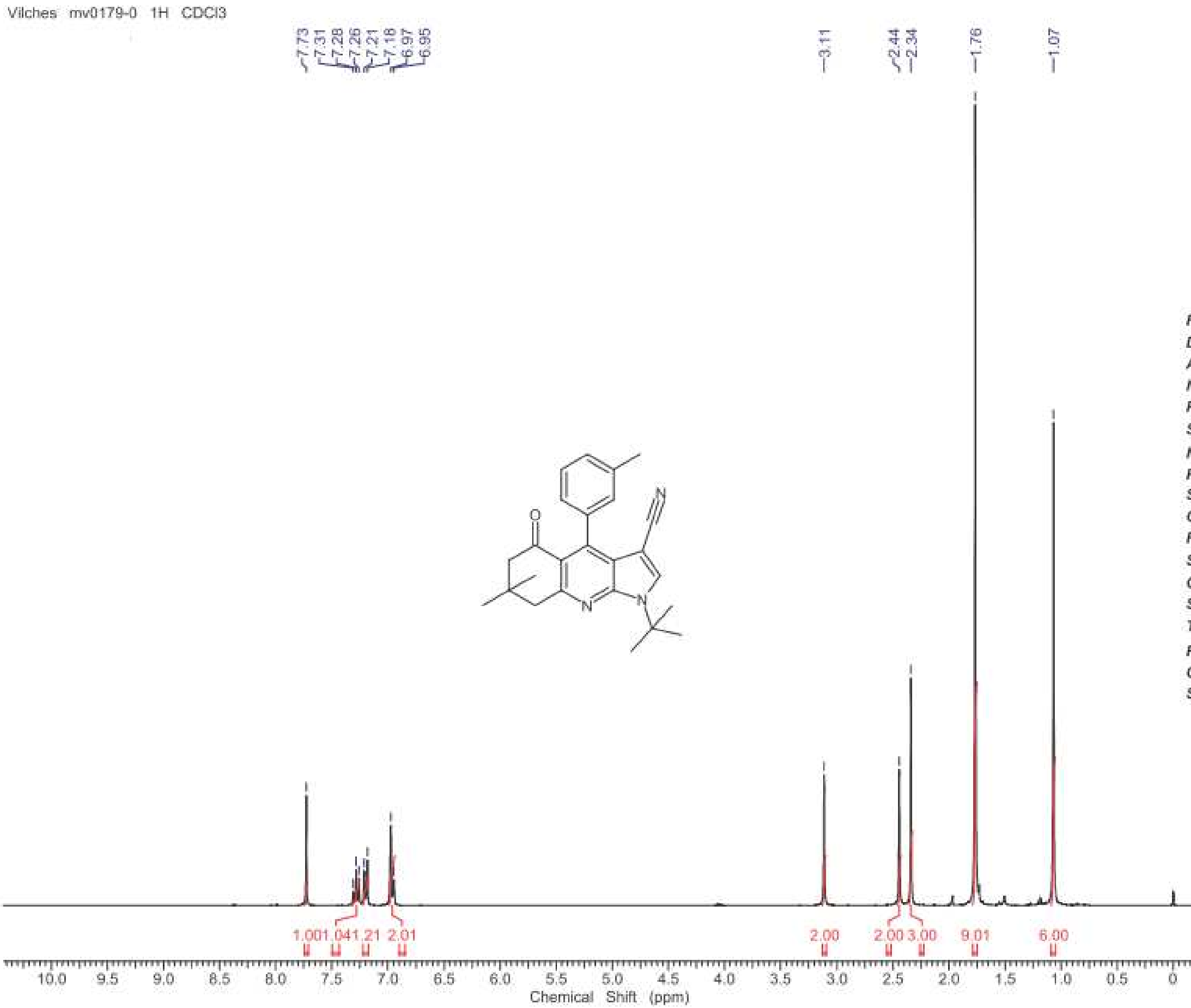


File Name	J:\120124.u320\10\pdata\1\1r
Date	24 Jan 2012 11:29:20
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1821.5546
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	80.60
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d

144

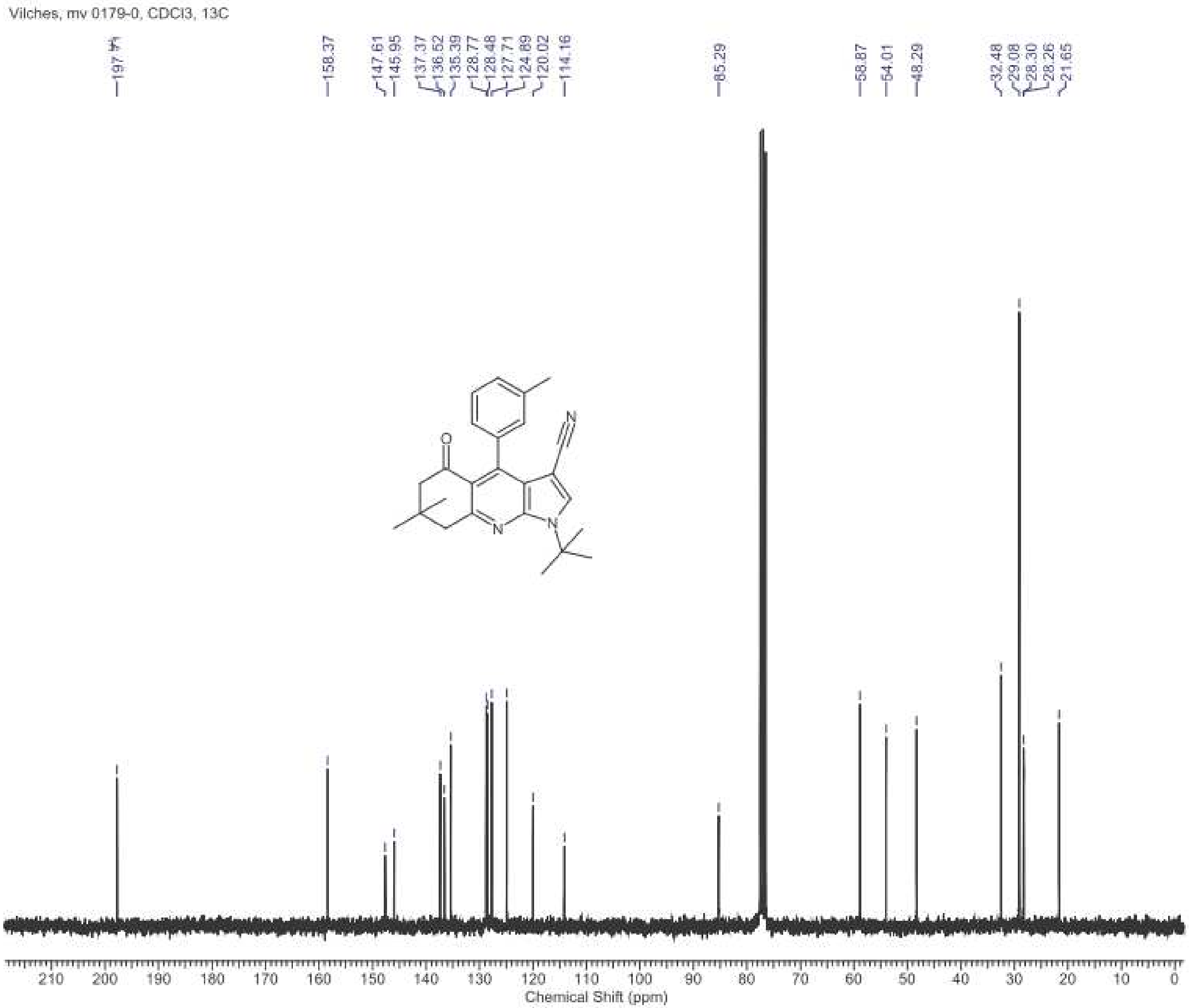


File Name	J:\120125.218\10\pdata\1\1r
Date	25 Jan 2012 17:27:44
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6289.0522
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.160
Frequency (MHz)	62.90
Owner	nmr
Solvent	CHLOROFORM-d



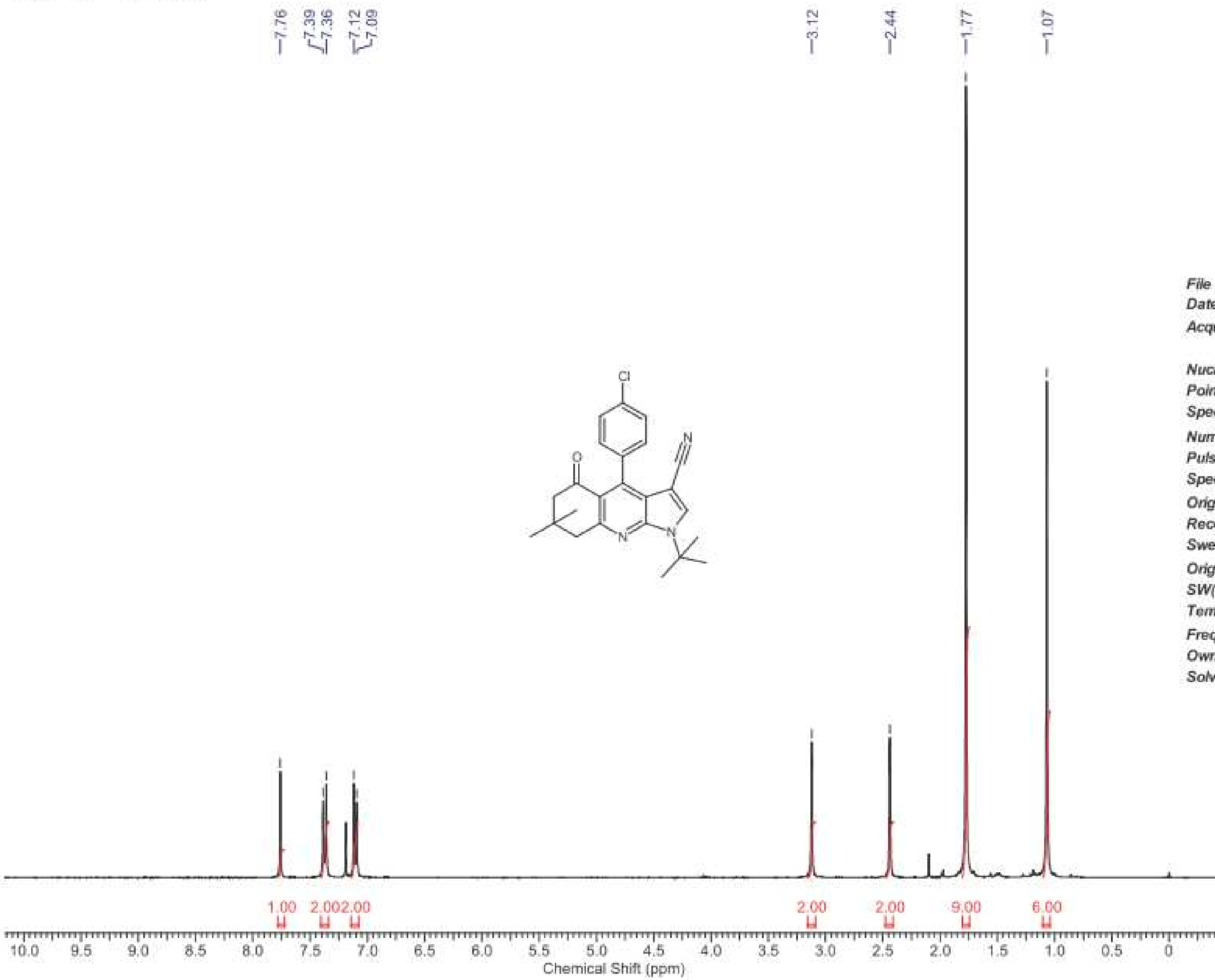
146

File Name	120112.u328\10\pdata\1\1r
Date	12 Jan 2012 14:07:12
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1820.8643
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	50.80
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d

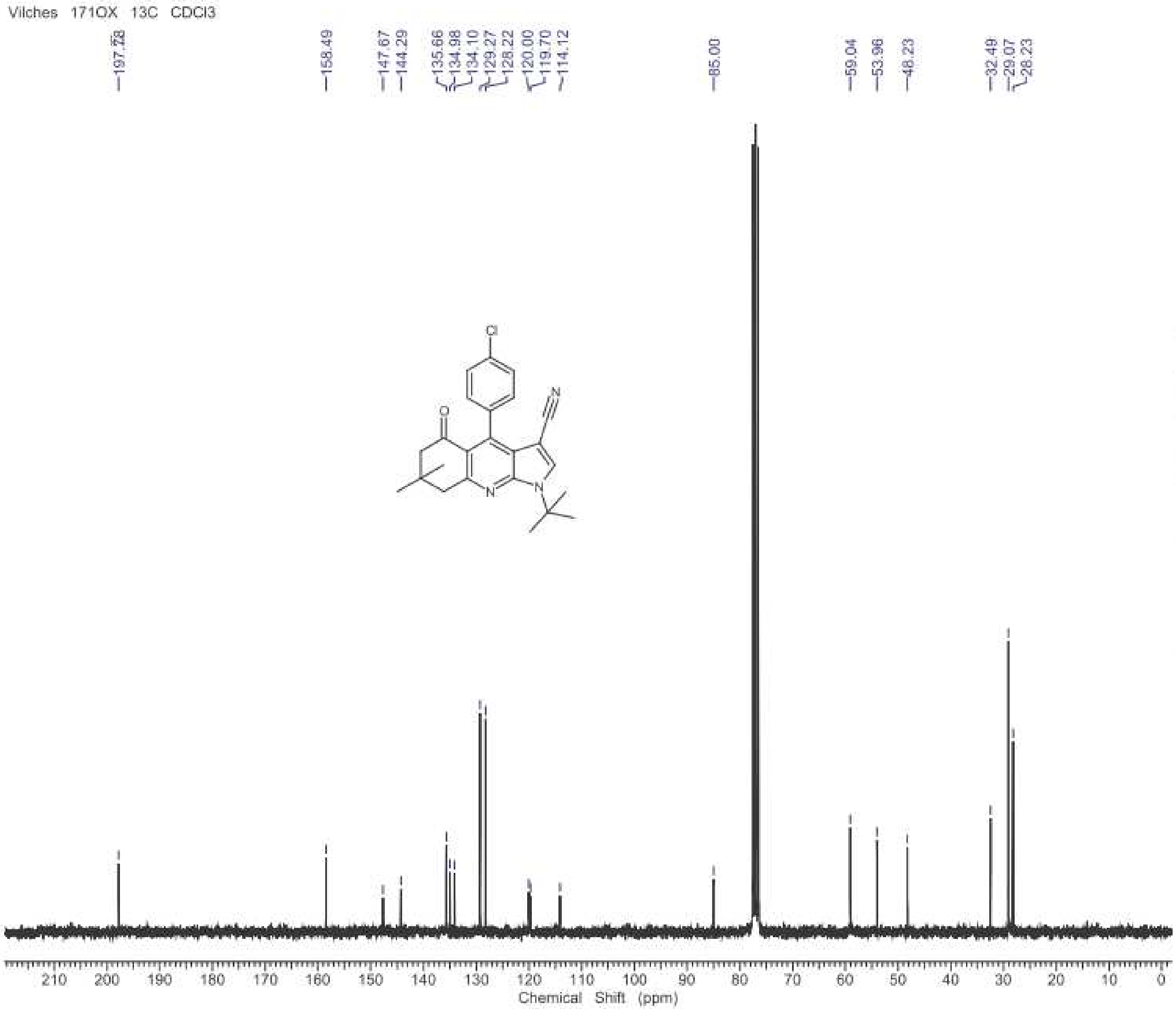


File Name	120113.203\10\pdata\1\1r
Date	13 Jan 2012 11:25:04
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.160
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54

Vilches 171 1H CDCl3

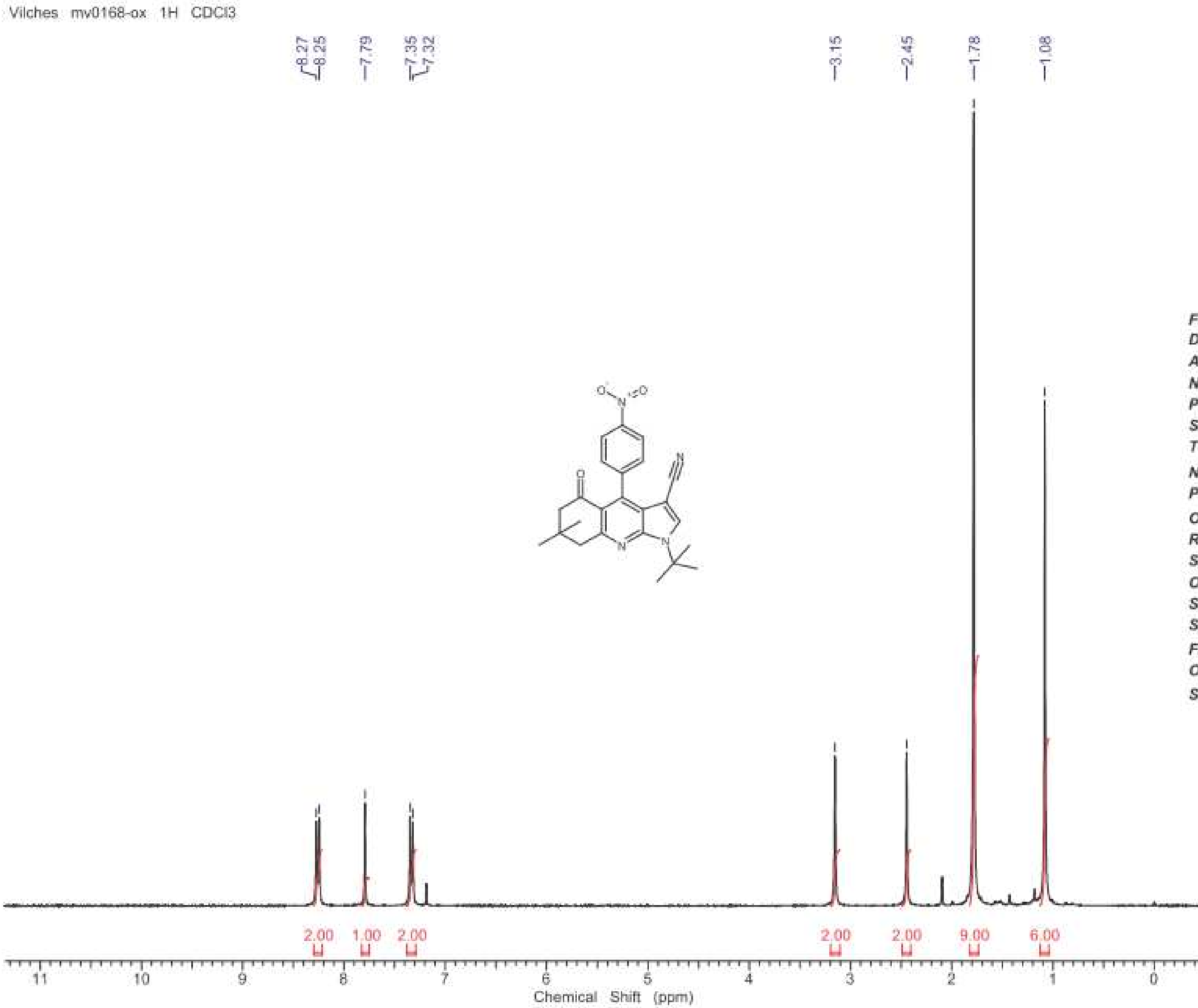


File Name	J:\120125.u324\10\pdata\1\1r
Date	25 Jan 2012 13:35:12
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1822.6200
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	203.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d



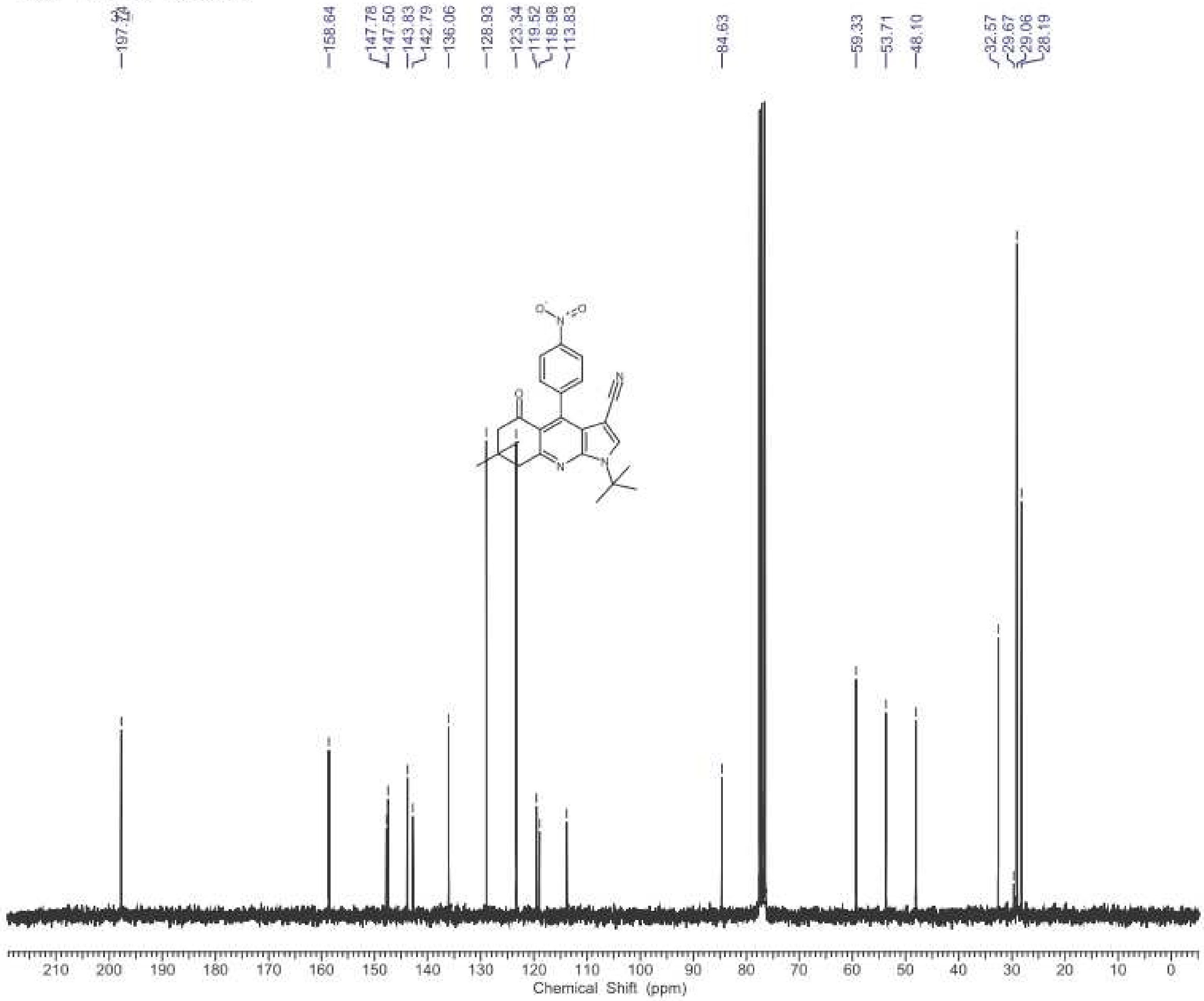
149

File Name	J:\120125.219\10\pdata\1\1r
Date	25 Jan 2012 20:16:16
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6289.0522
Number of Transients	2048
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.160
Frequency (MHz)	62.90
Owner	nmr
Solvent	CHLOROFORM-d



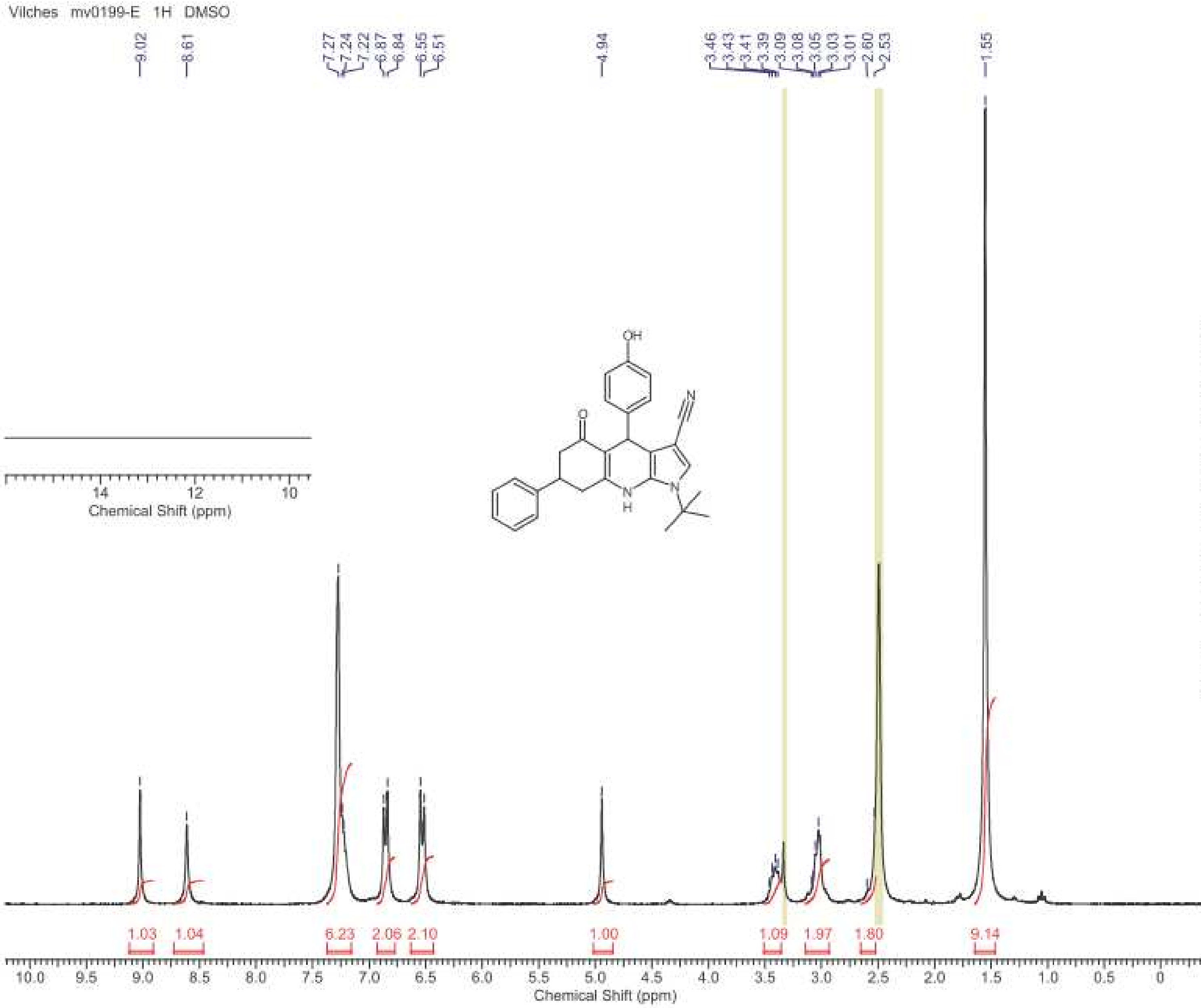
File Name	120118.u314\10\pdata\1\1r
Date	18 Jan 2012 09:51:12
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.160
Number of Transients	16
Pulse Sequence	zg30
Origin	spect
Receiver Gain	50.80
Spectrum Offset (Hz)	1821.6594
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Spectrum Type	STANDARD
Frequency (MHz)	300.13
Owner	nmrsu
Sweep Width (Hz)	6187.93

Vilches mv0168-ox 13C CDCl3

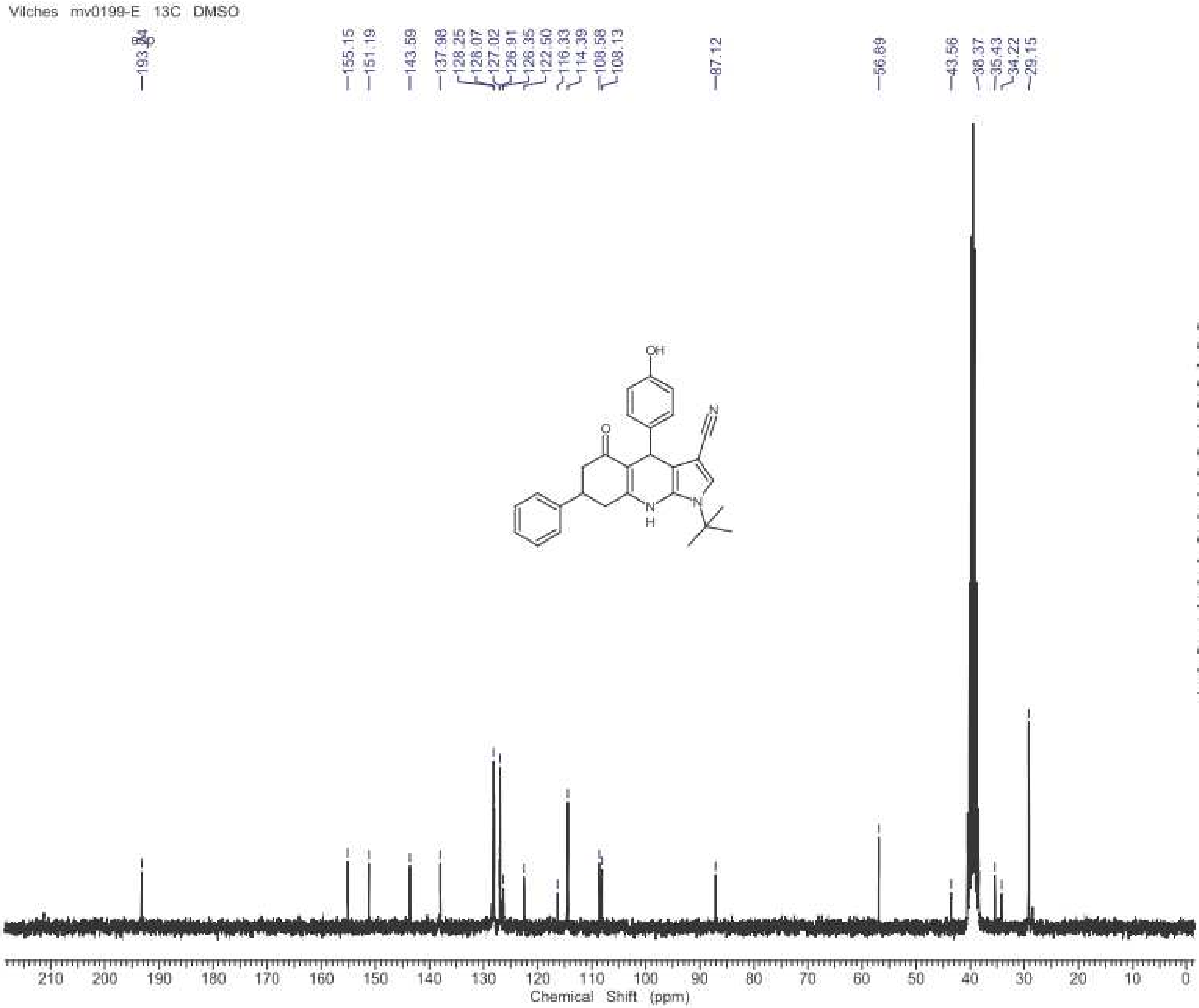


151

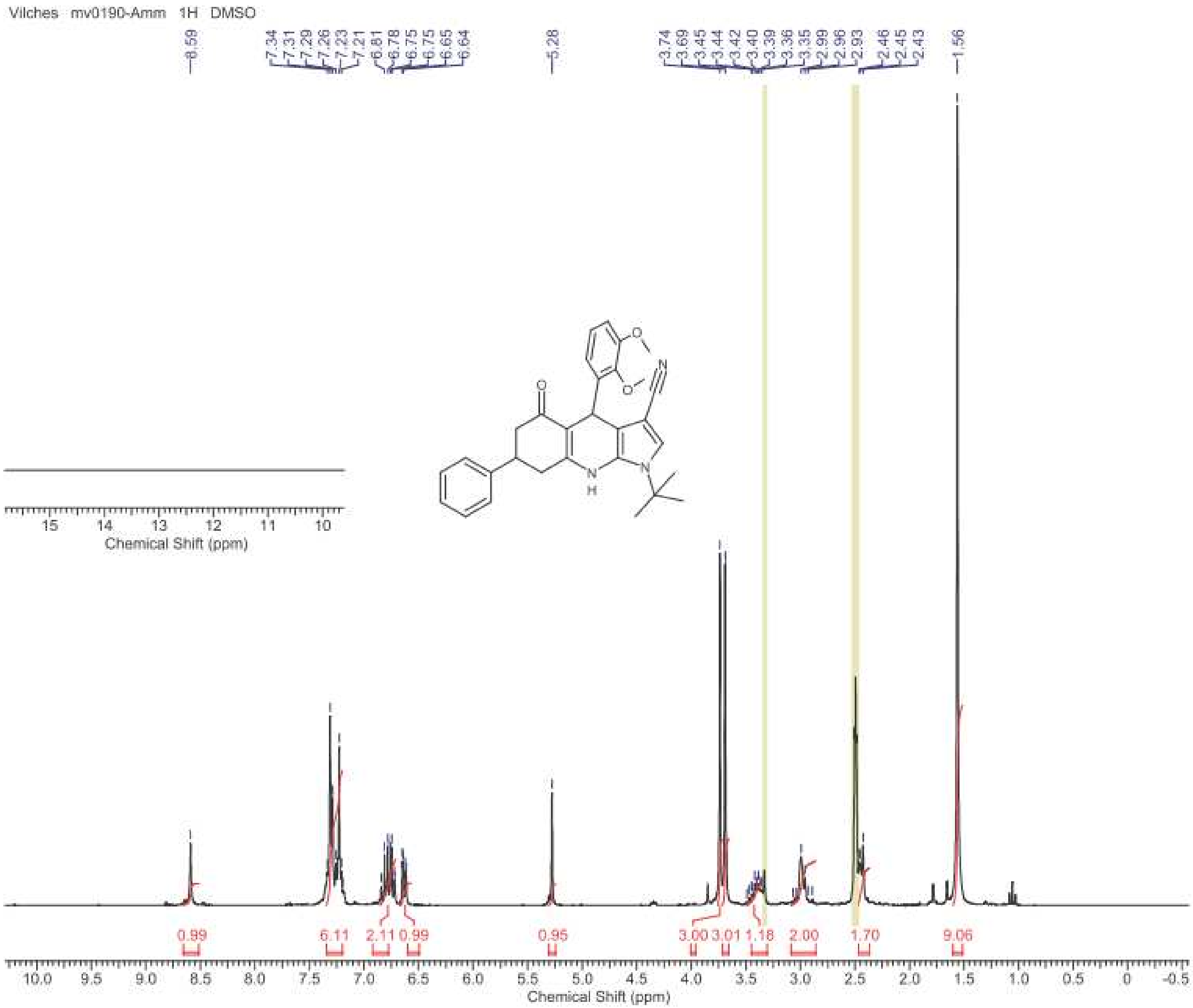
File Name	\120118.218\10\pdata\1\1r
Date	19 Jan 2012 04:54:40
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.160
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54



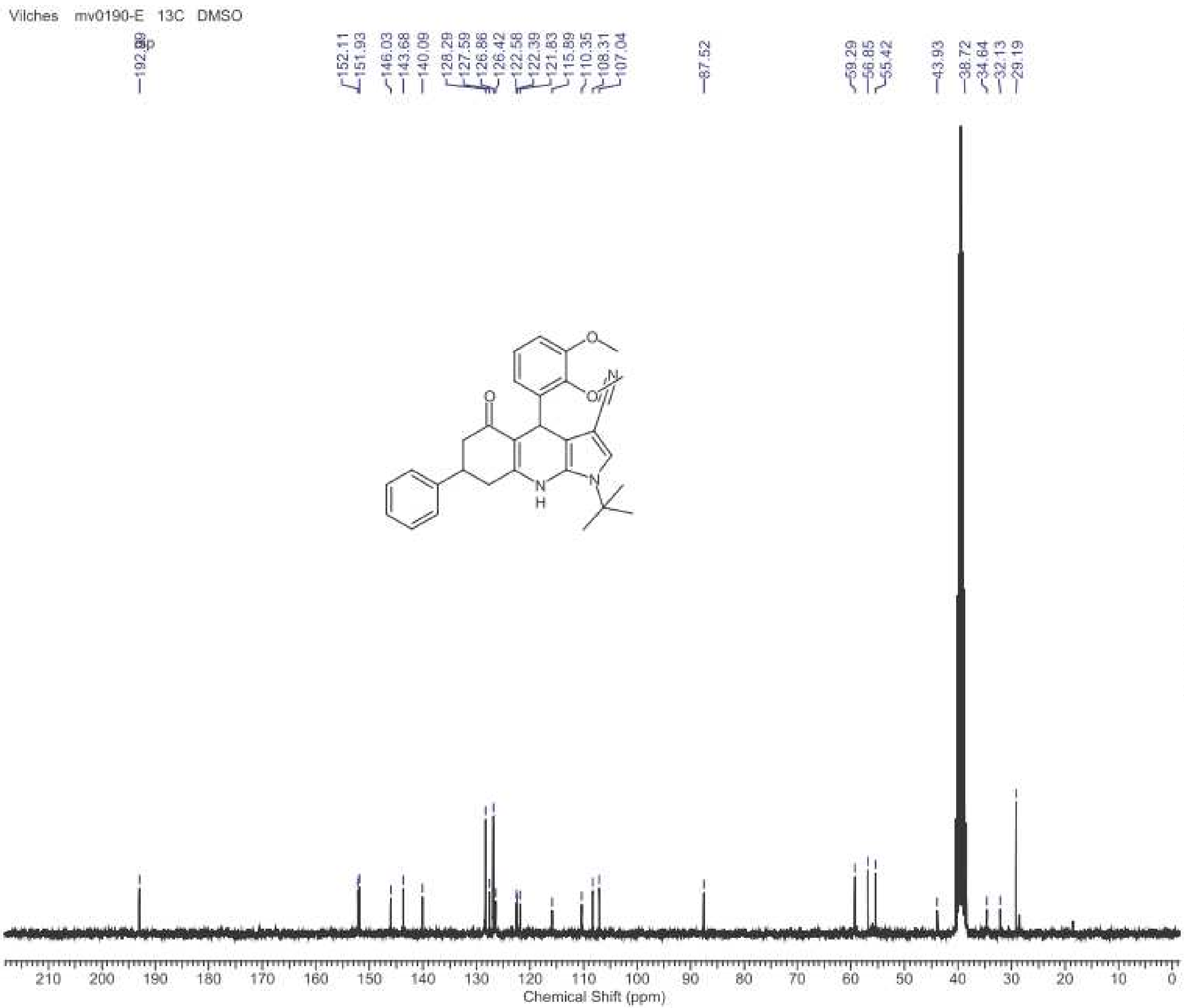
File Name	110407.204\10\pdata\1\1r
Date	07 Apr 2011 10:59:44
Acquisition Time (sec)	6.3439
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1544.6556
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	287.00
Sweep Width (Hz)	5165.13
Original Points Count	32768
SW(cyclical) (Hz)	5165.29
Temperature (degree C)	24.960
Frequency (MHz)	250.13
Owner	nmr
Solvent	DMSO-d6



File Name	110408.234\10\pdata\1\1r
Date	12 Apr 2011 11:27:28
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	512
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.960
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

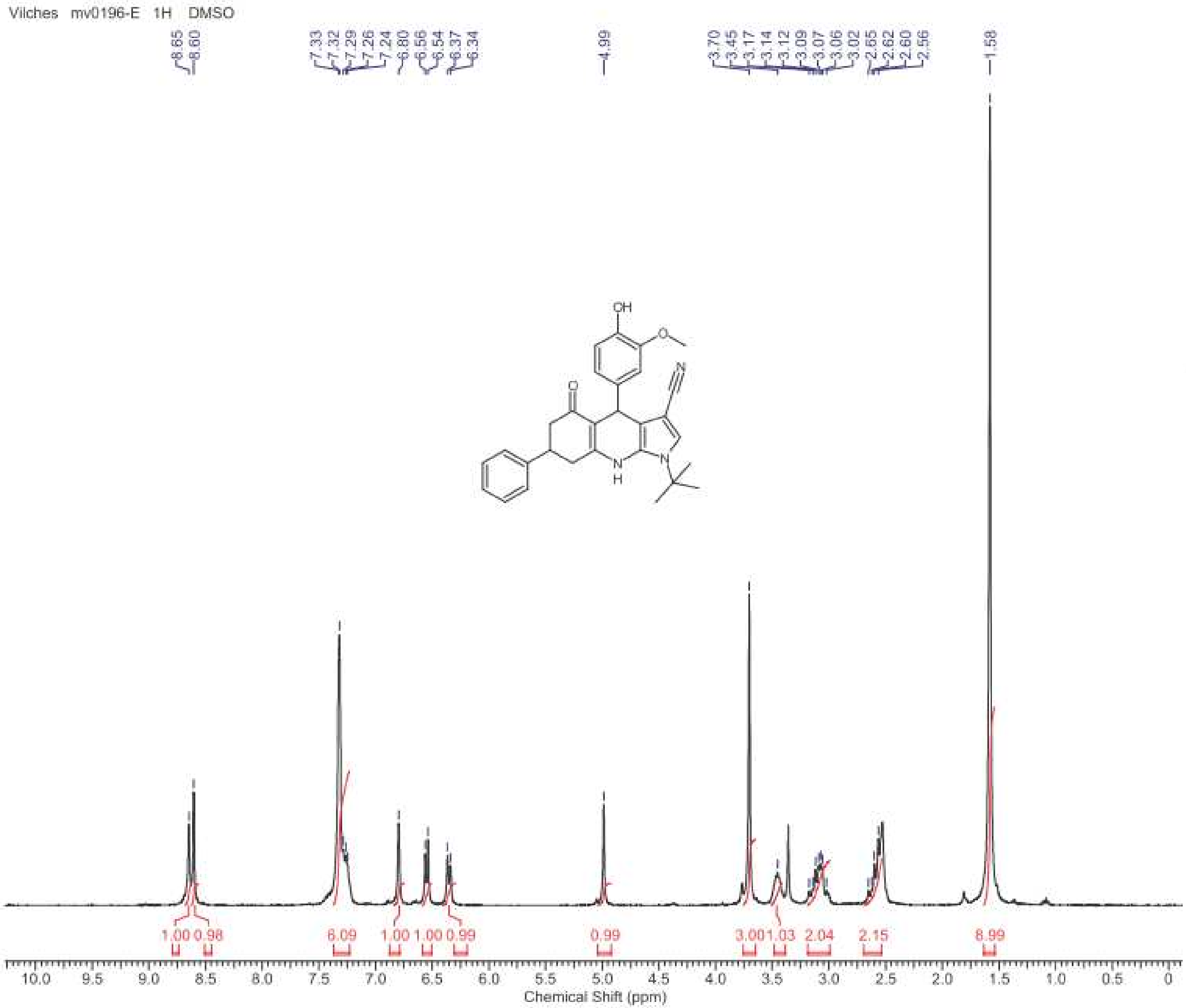


File Name	110330.209\10\pdata\1\1r
Date	30 Mar 2011 12:57:04
Acquisition Time (sec)	6.3439
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1544.6556
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	362.00
Sweep Width (Hz)	5165.13
Original Points Count	32768
SW(cyclical) (Hz)	5165.29
Temperature (degree C)	25.060
Frequency (MHz)	250.13
Owner	nmr
Solvent	DMSO-d6



155

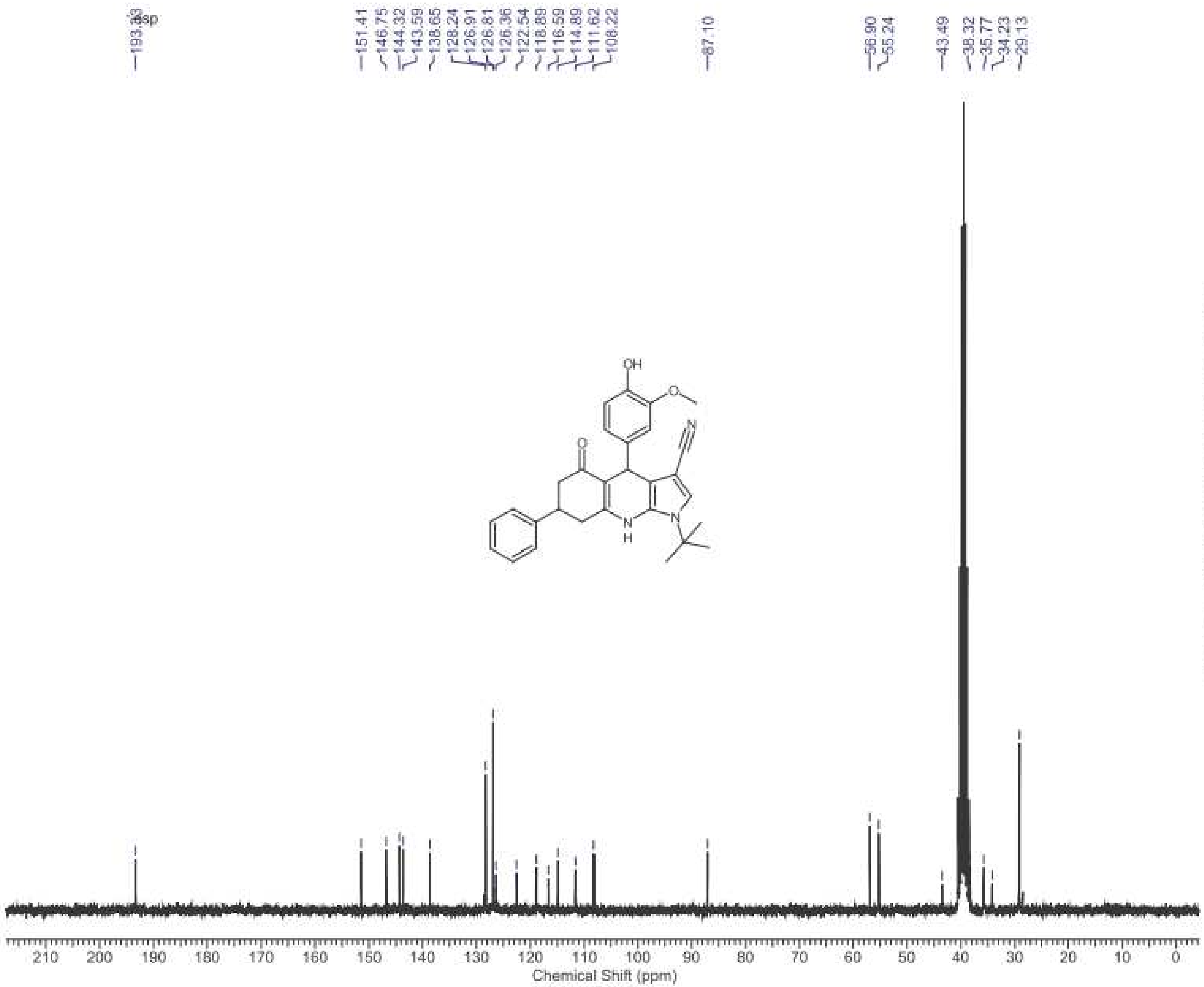
File Name	110321.224\10\pdata\1\1r
Date	22 Mar 2011 04:33:20
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.860
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6



156

File Name	110321.u322\10\pdata\1\1r
Date	21 Mar 2011 14:47:44
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	128.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6

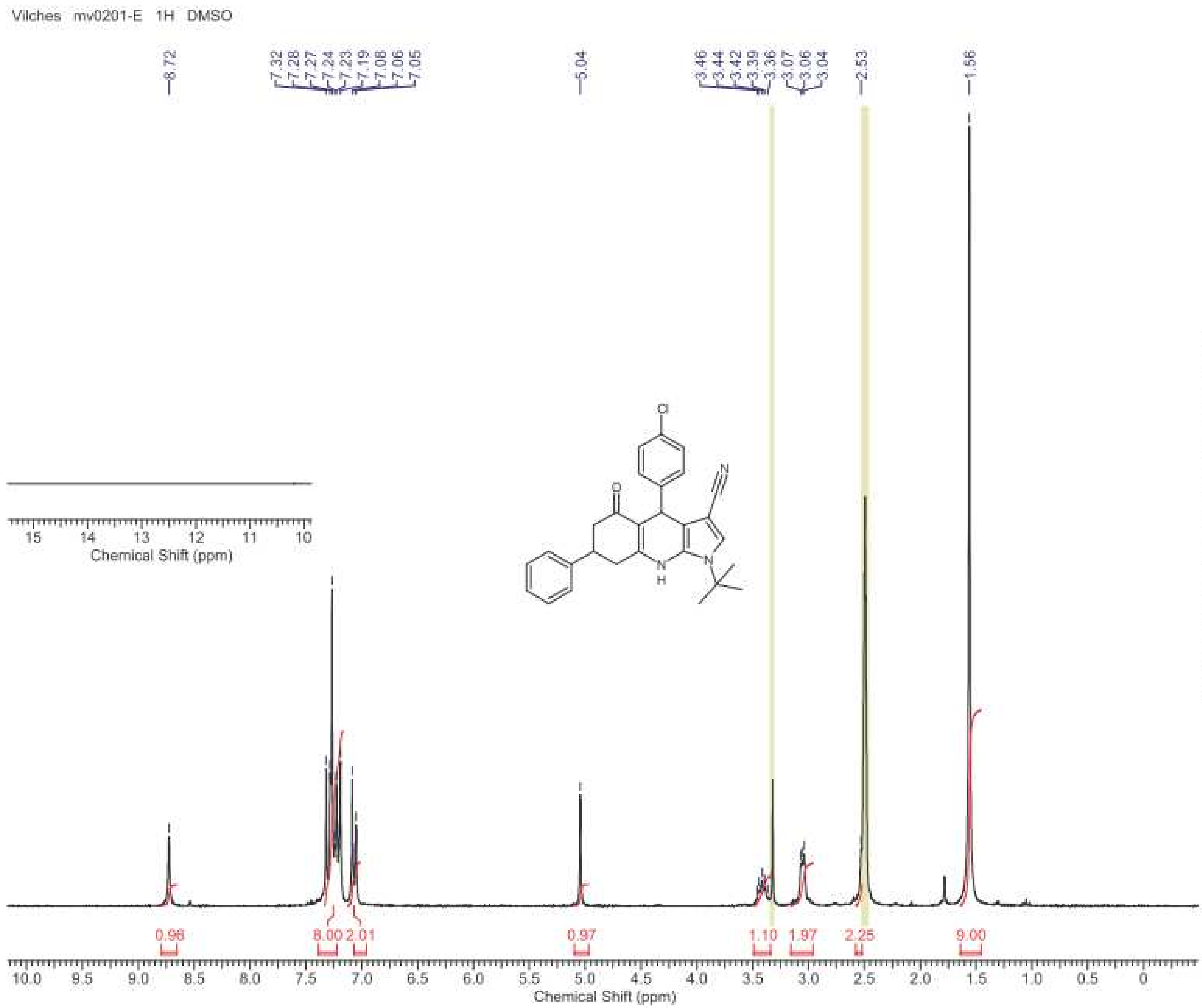
Vilches mv0196-E 13C DMSO



157

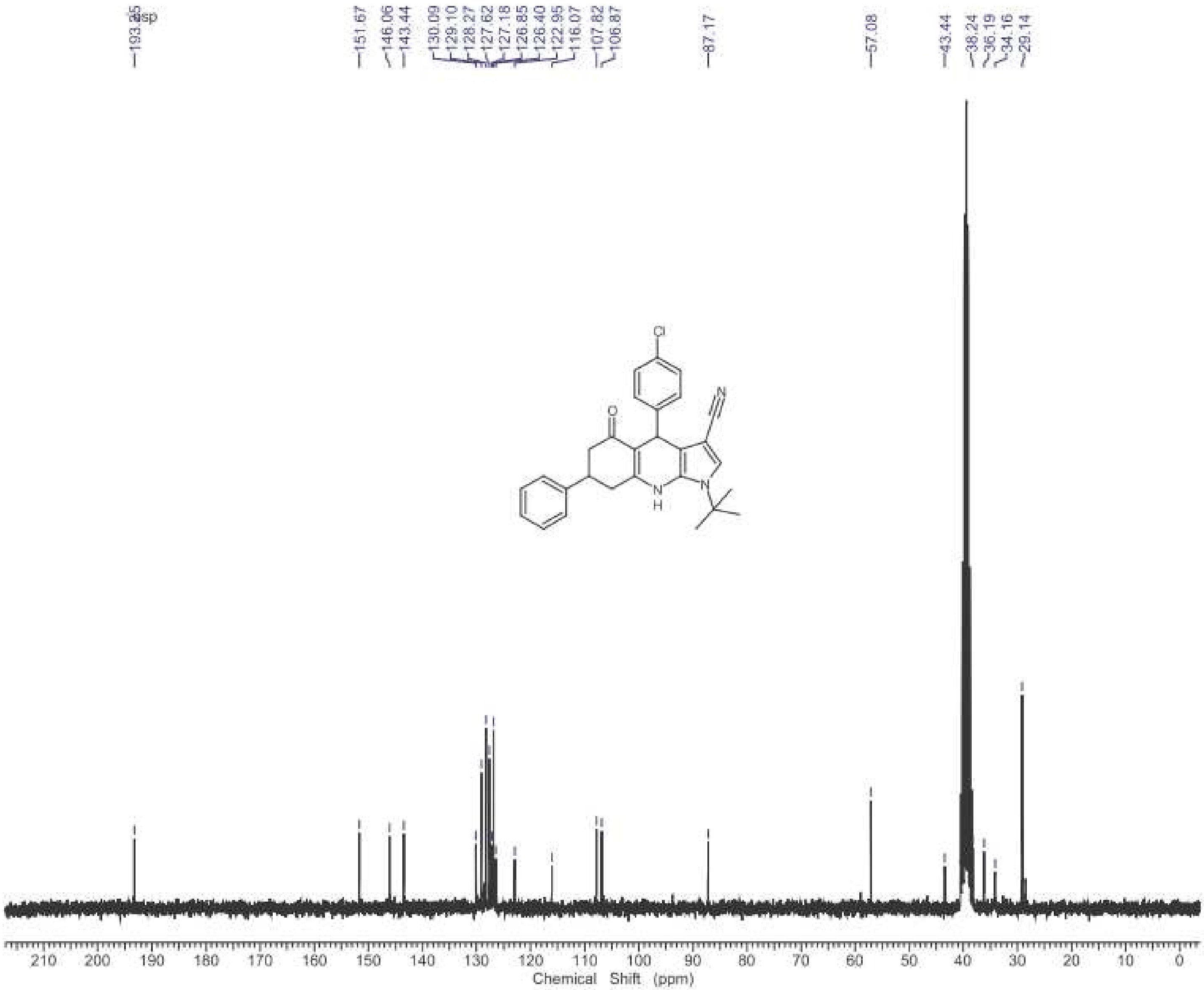
File Name	110325.213\10\pdata\1\1r
Date	25 Mar 2011 19:18:40
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.160
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

158



File Name	110407.207\10\pdata\1\1r
Date	07 Apr 2011 11:21:04
Acquisition Time (sec)	6.3439
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1544.6556
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	406.00
Sweep Width (Hz)	5165.13
Original Points Count	32768
SW(cyclical) (Hz)	5165.29
Temperature (degree C)	25.060
Frequency (MHz)	250.13
Owner	nmr
Solvent	DMSO-d6

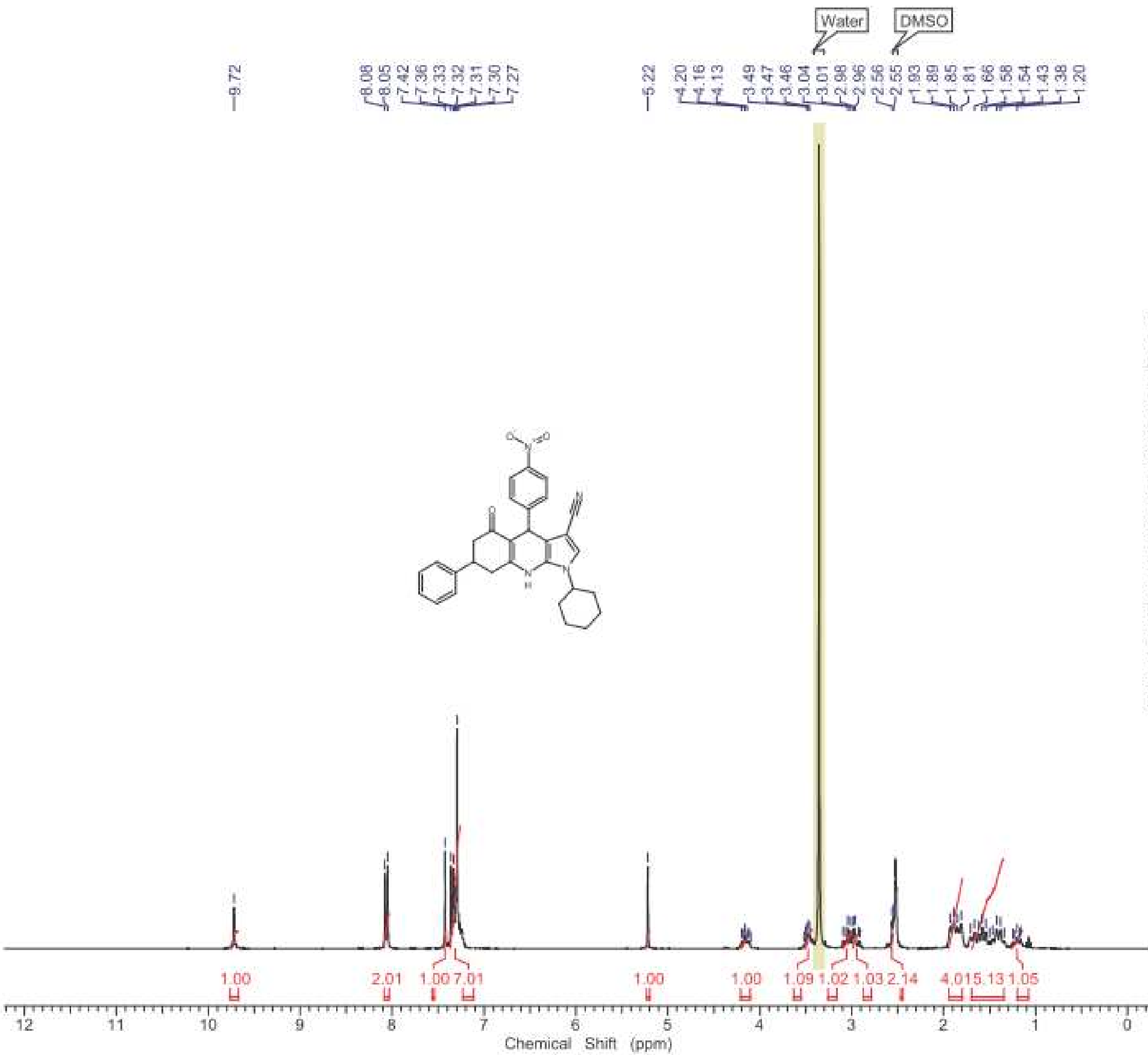
Vilches mv0201-E 13C DMSO



159

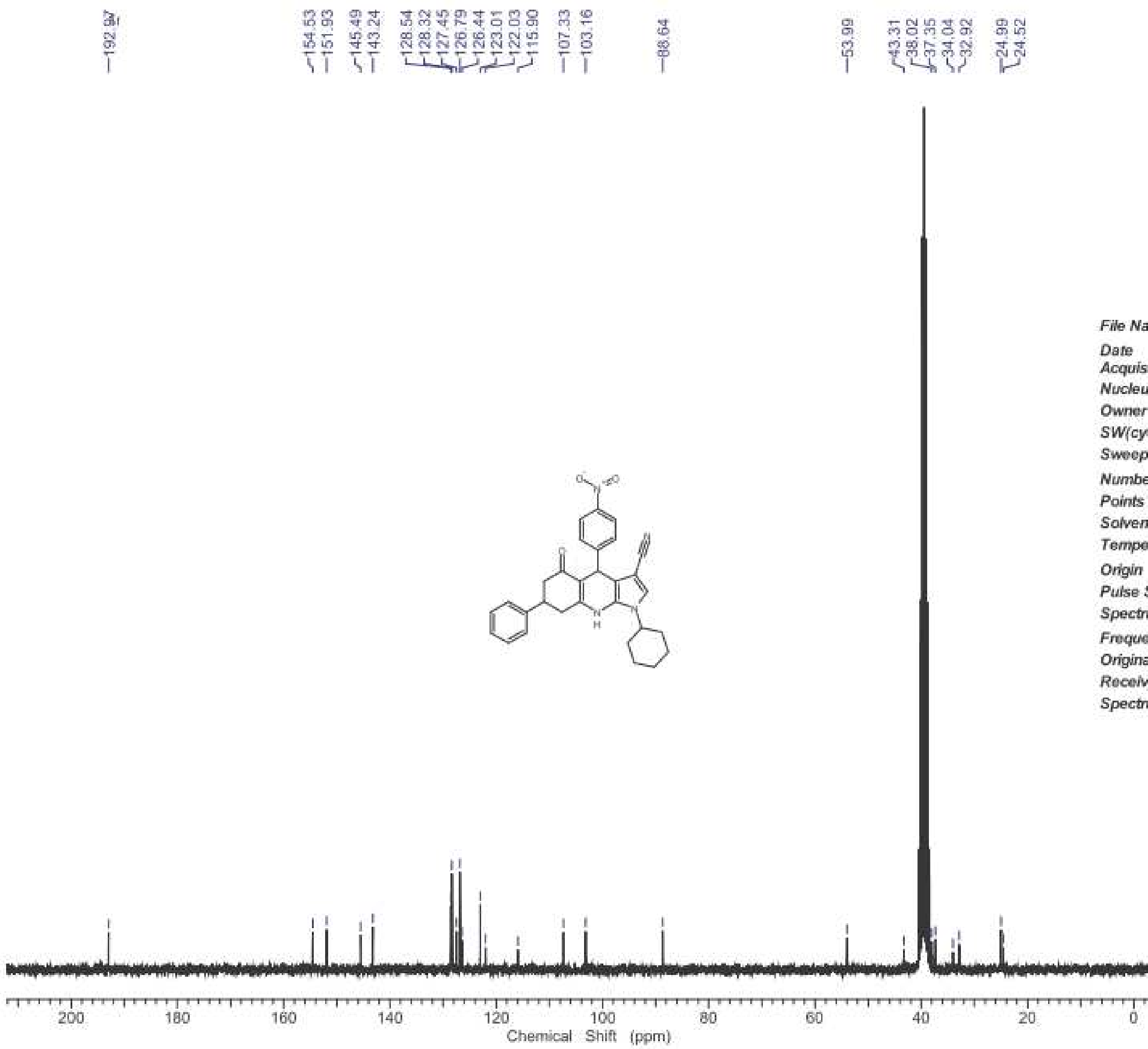
File Name	110408.236\10\pdata\1\1r
Date	12 Apr 2011 13:29:04
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	512
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.960
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

Vilches mvoV-5 1H DMSO

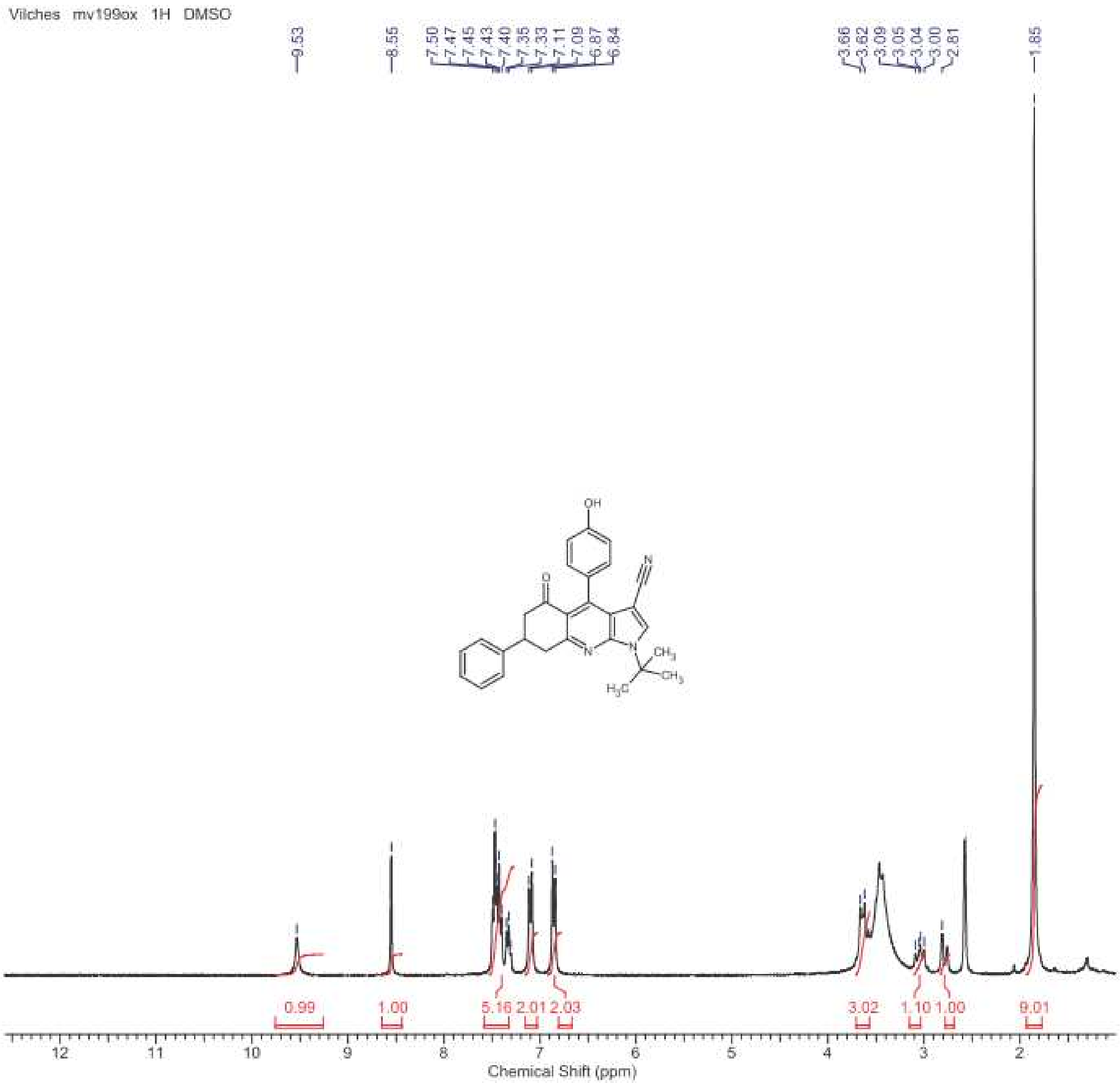


File Name	120202.u328\10\pdata\1\1r
Date	02 Feb 2012 14:11:28
Acquisition Time (sec)	5.2953
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Sweep Width (Hz)	6187.93
Number of Transients	16
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zg30
Spectrum Offset (Hz)	1853.4248
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	114.00
Spectrum Type	STANDARD

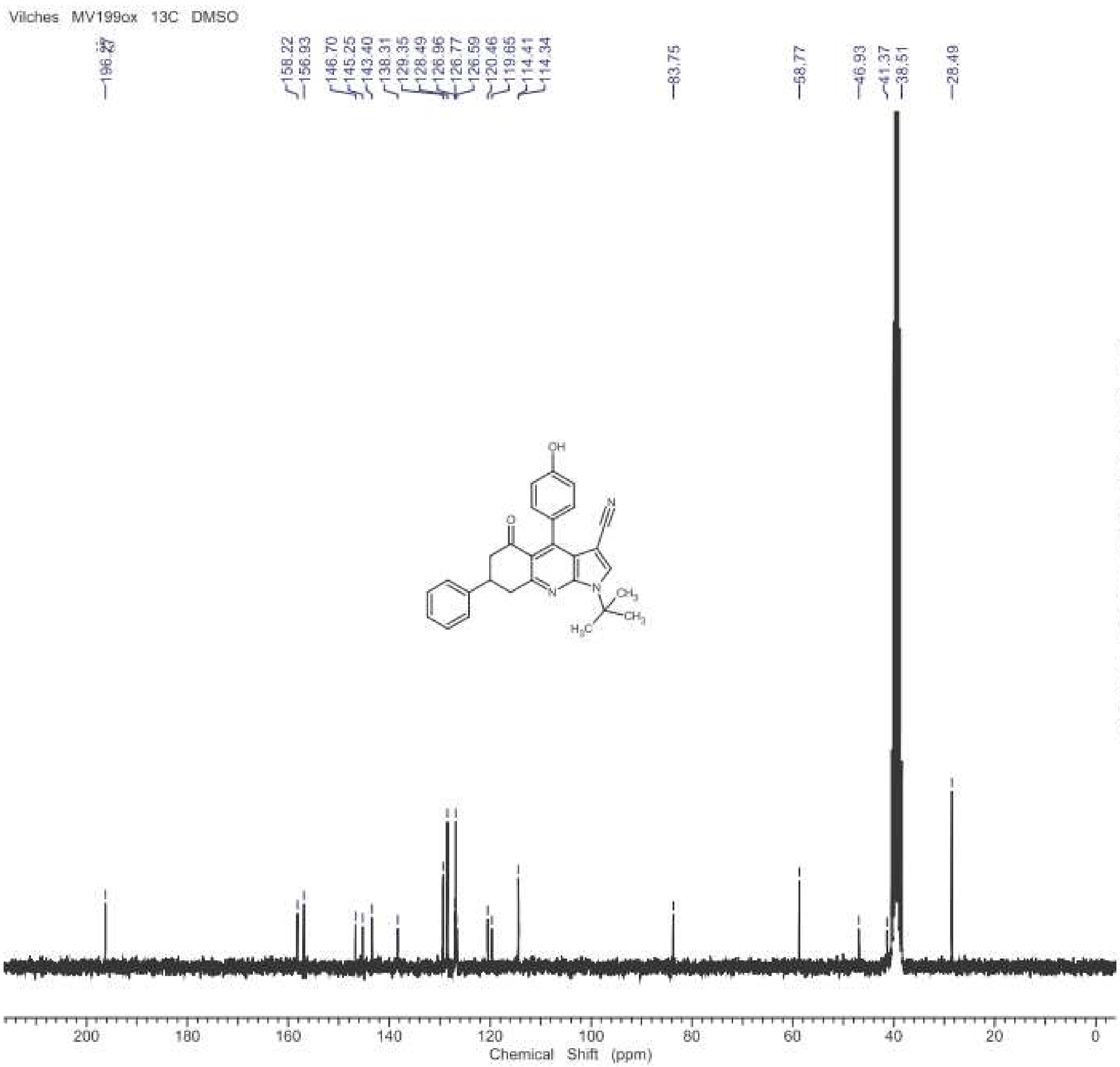
Vilches mv0V-5 13C DMSO



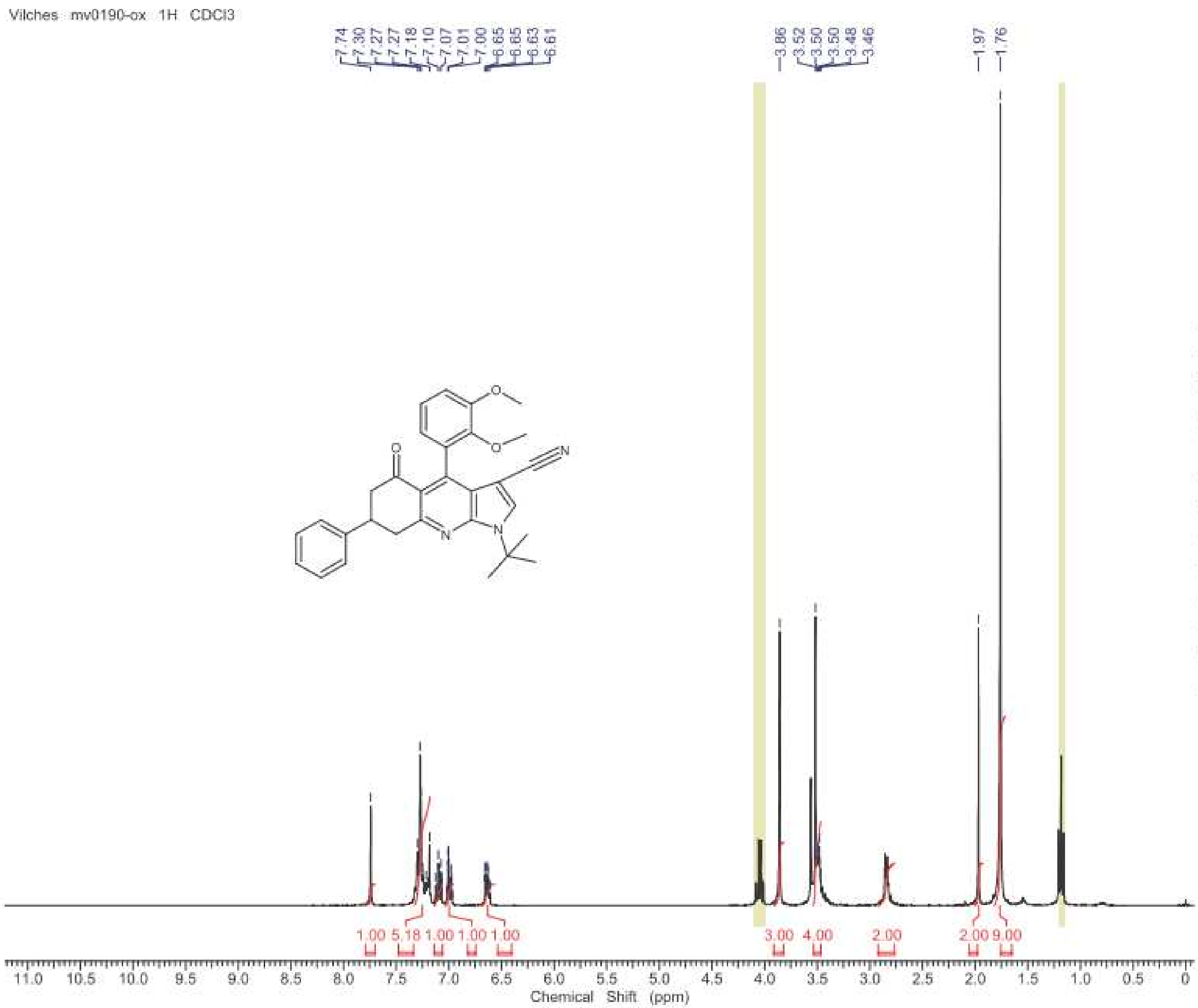
File Name	\120203.204\10\pdata\1\1r
Date	03 Feb 2012 13:43:44
Acquisition Time (sec)	2.1845
Nucleus	13C
Owner	nmr
SW(cyclical) (Hz)	15000.00
Sweep Width (Hz)	14999.54
Number of Transients	1024
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	6257.6045
Frequency (MHz)	62.90
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD



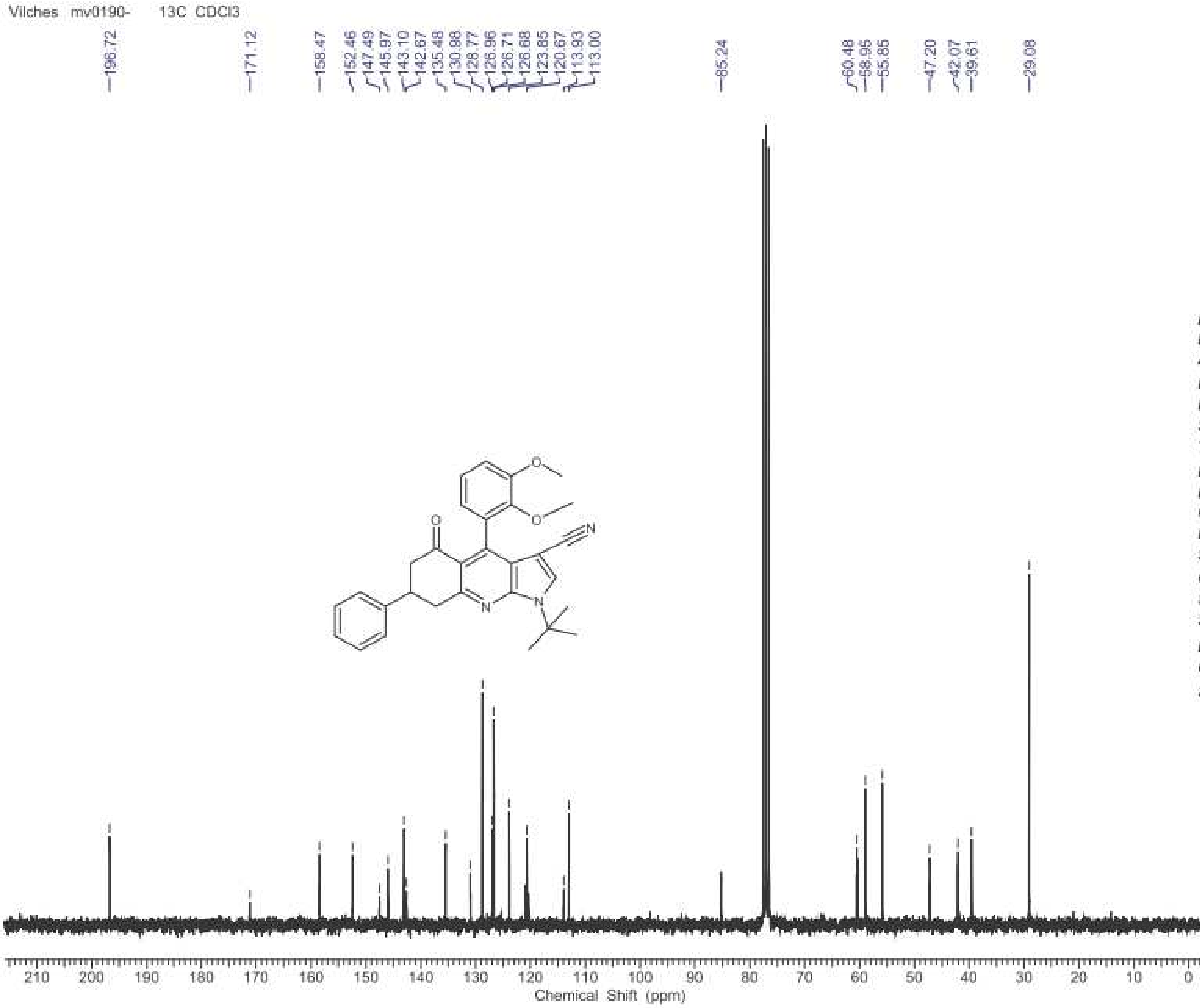
Date	30 Jan 2012 13:43:44
File Name	\120130.u332\10\pdata\1\1r
Acquisition Time (sec)	5.2953
Date Stamp	30 Jan 2012 13:43:44
Spectrum Type	STANDARD
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Sweep Width (Hz)	6187.93
Number of Transients	16
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zg30
Spectrum Offset (Hz)	1867.4792
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	161.00



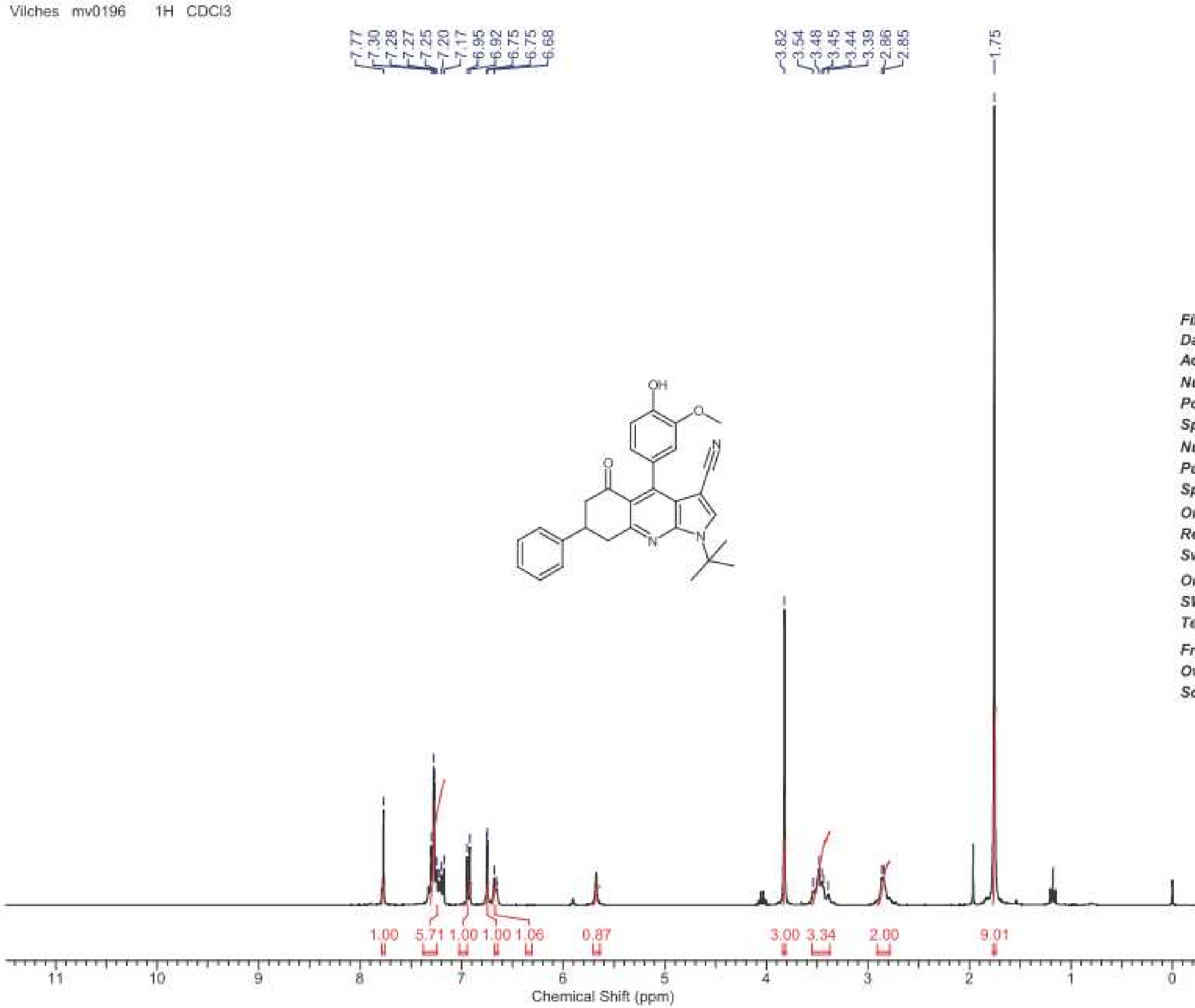
File Name	\120202.211\10\pdata\1\1r
Date	02 Feb 2012 21:01:04
Acquisition Time (sec)	2.1845
Nucleus	13C
Owner	nmr
SW(cyclical) (Hz)	15000.00
Sweep Width (Hz)	14999.54
Number of Transients	1024
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.060
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	6257.6045
Frequency (MHz)	62.90
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD



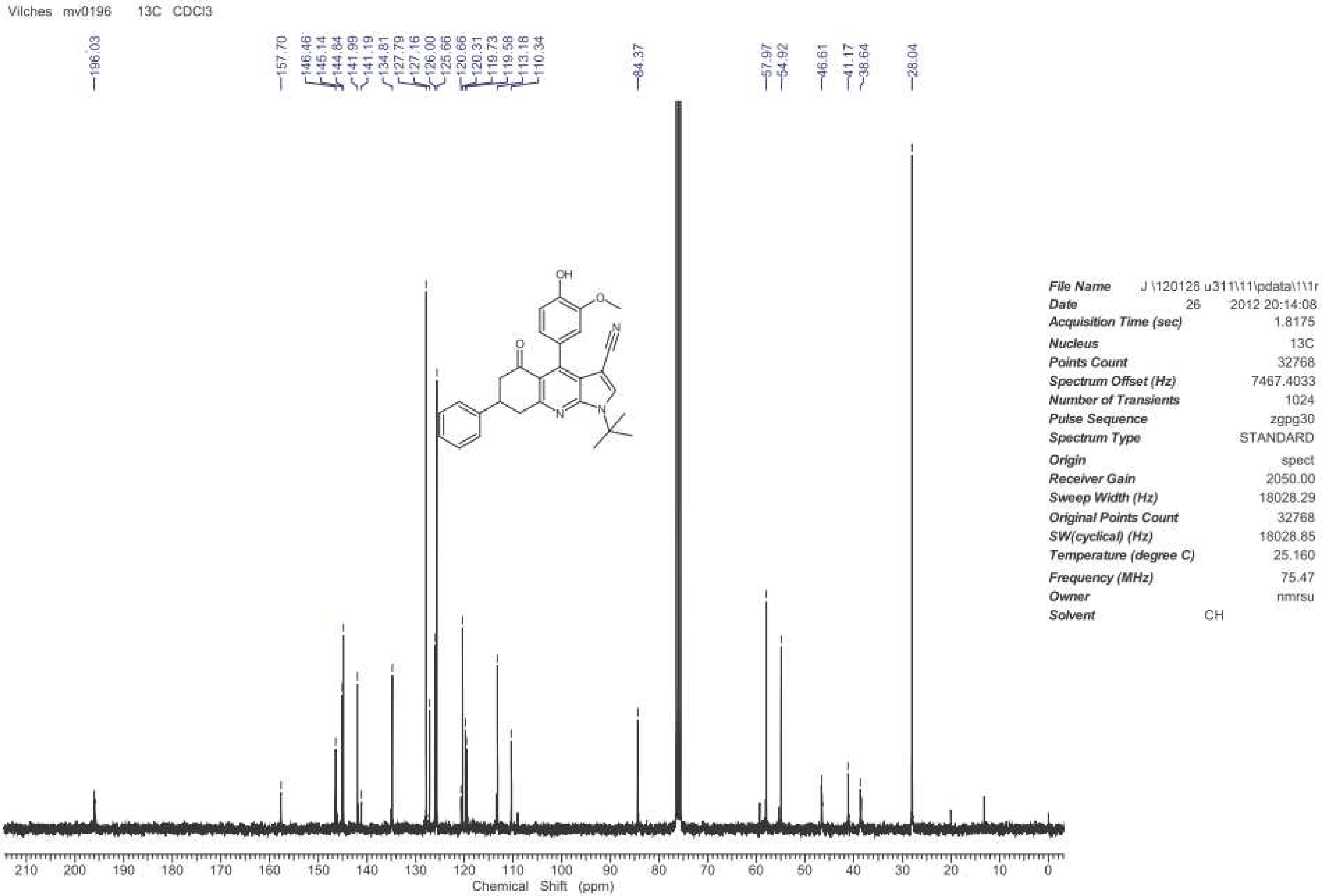
File Name	120118.u316\10\pdata\1\1r
Date	18 Jan 2012 10:04:00
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.160
Number of Transients	16
Pulse Sequence	zg30
Origin	spect
Receiver Gain	90.50
Spectrum Offset (Hz)	1821.6262
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Spectrum Type	STANDARD
Frequency (MHz)	300.13
Owner	nmrsu
Sweep Width (Hz)	6187.93



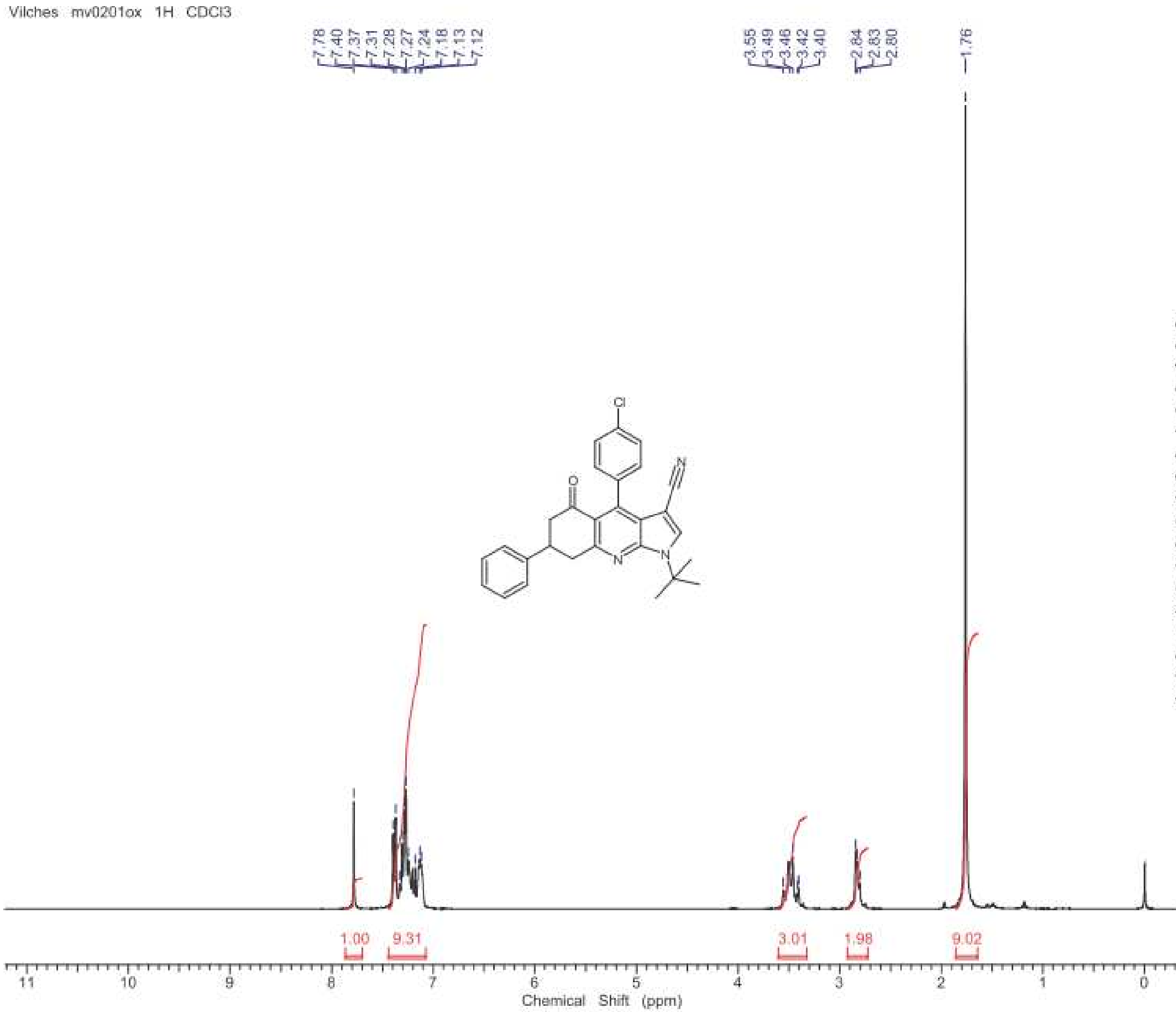
File Name	\120118.220\10\pdata\1\1r
Date	19 2012 08:06:40
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Solvent	CH
Temperature (degree C)	25.160
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54



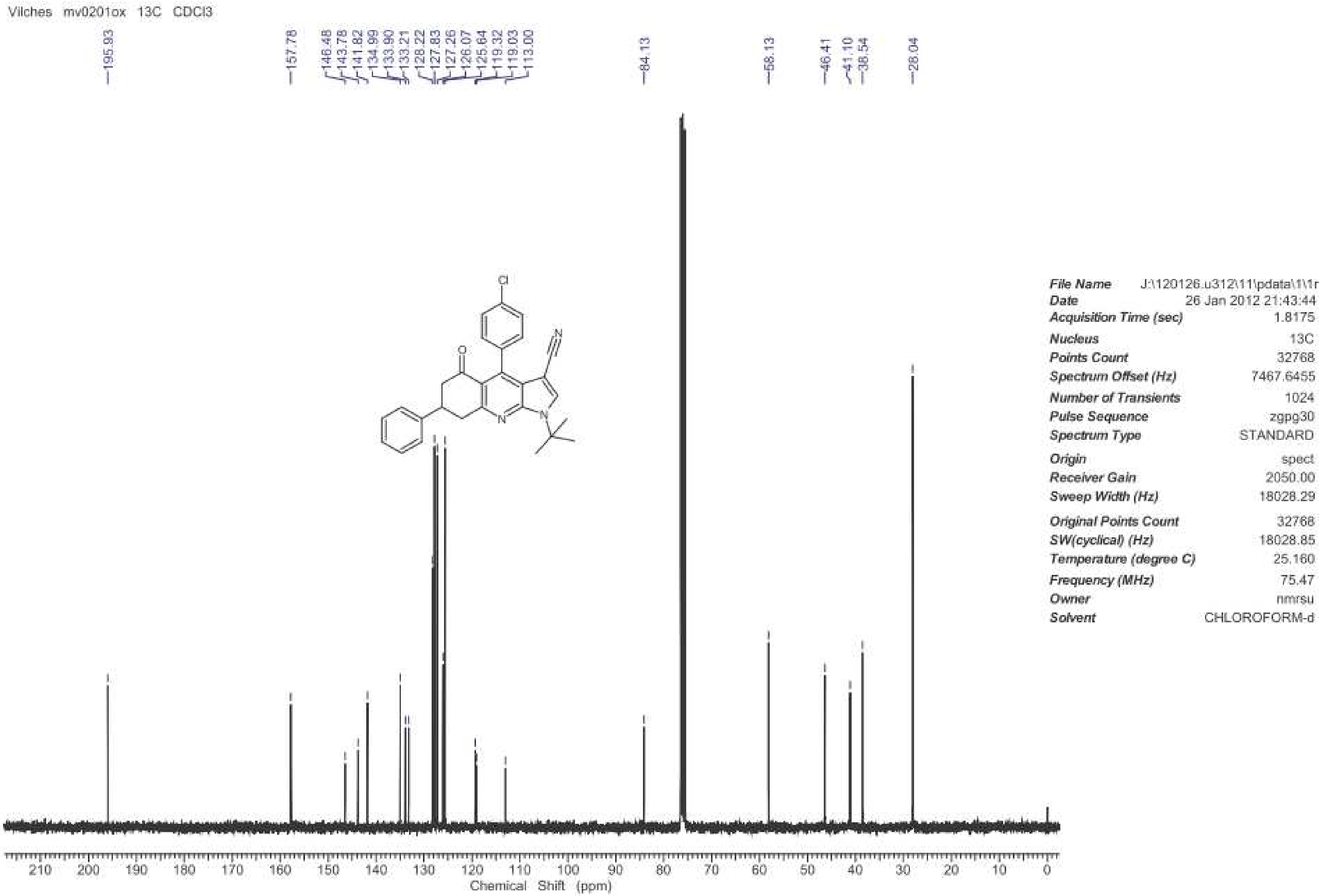
File Name	J:\120126 u311\10\pdata\1\1r
Date	26 2012 10:42:24
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1818.8835
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	50.80
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrs
Solvent	CH

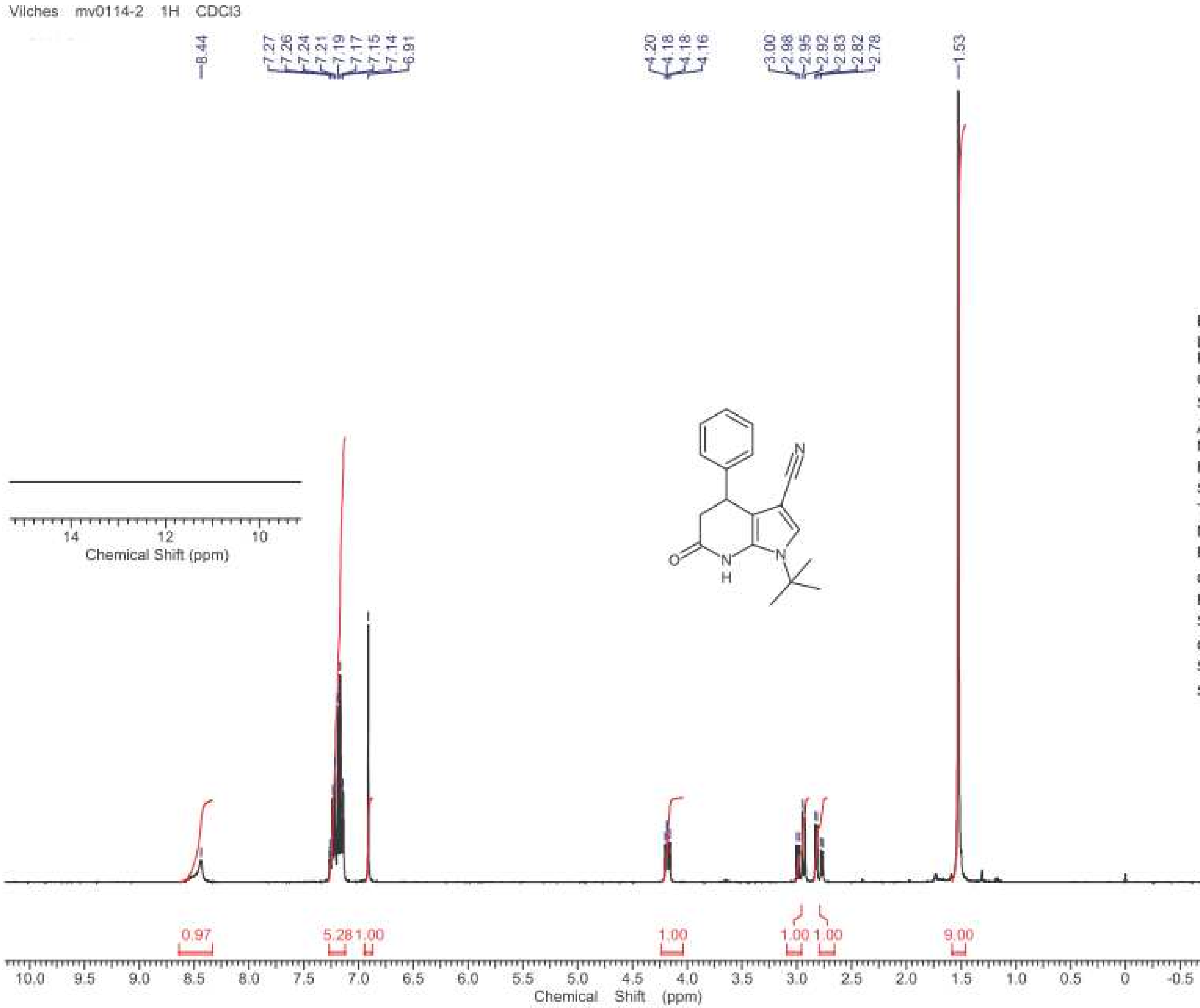


Vilches mv0196 13C CDCl3
196.03
157.70
146.46
145.14
144.84
141.99
141.19
134.81
127.79
127.16
126.00
125.66
120.66
120.31
119.73
119.58
113.18
110.34
84.37
57.97
54.92
46.61
41.17
38.64
28.04
OH
O
O
N
N
N
File Name J \120128 u311\11\pdata\1\1r
Date 26 2012 20:14:08
Acquisition Time (sec) 1.8175
Nucleus 13C
Points Count 32768
Spectrum Offset (Hz) 7467.4033
Number of Transients 1024
Pulse Sequence zgpg30
Spectrum Type STANDARD
Origin spect
Receiver Gain 2050.00
Sweep Width (Hz) 18028.29
Original Points Count 32768
SW(cyclical) (Hz) 18028.85
Temperature (degree C) 25.160
Frequency (MHz) 75.47
Owner nmrsu
Solvent CH
Chemical Shift (ppm)

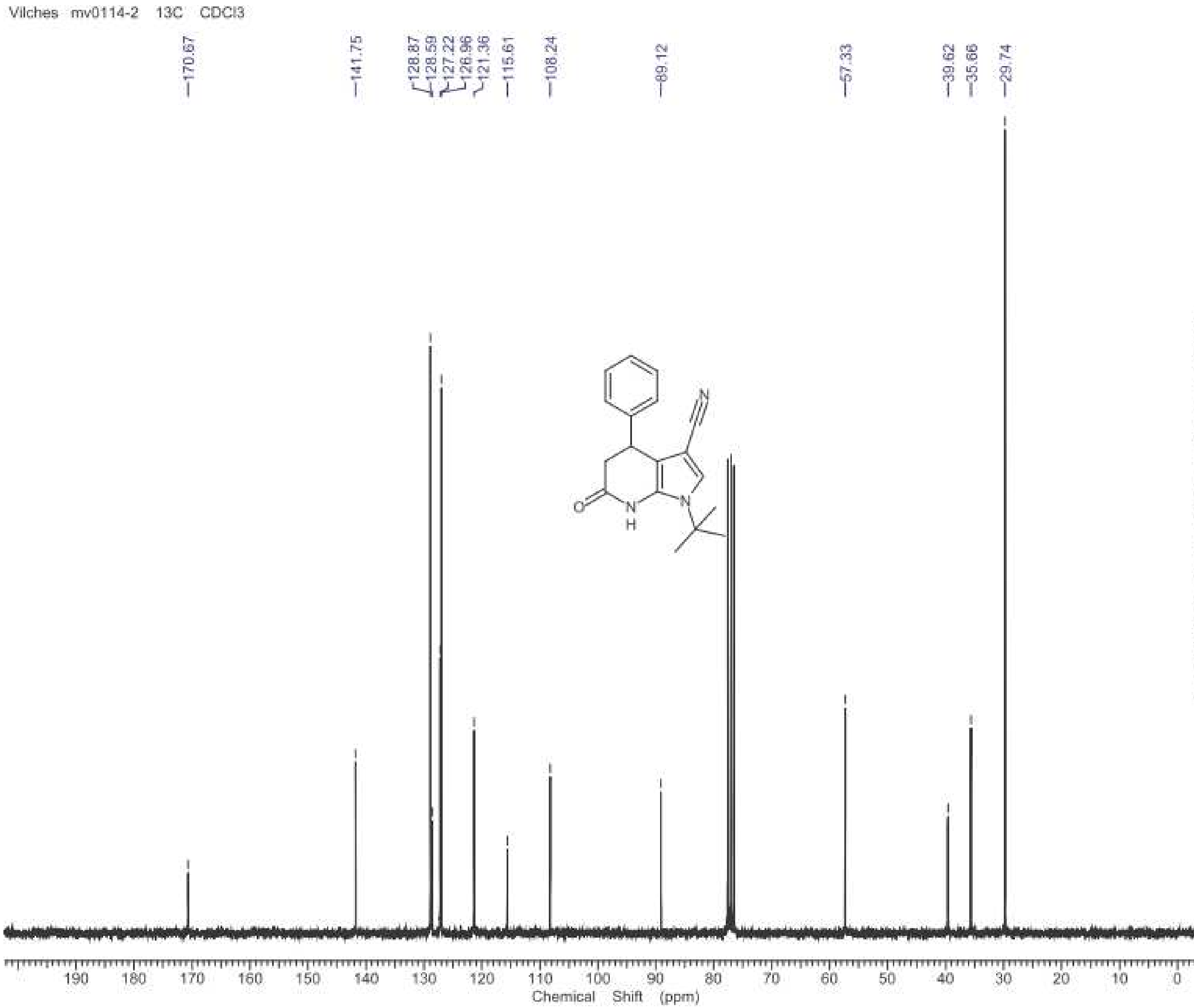


File Name	J:\120126.u312\10\pdata\1\1r
Date	26 Jan 2012 10:48:48
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1818.5653
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	90.50
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d

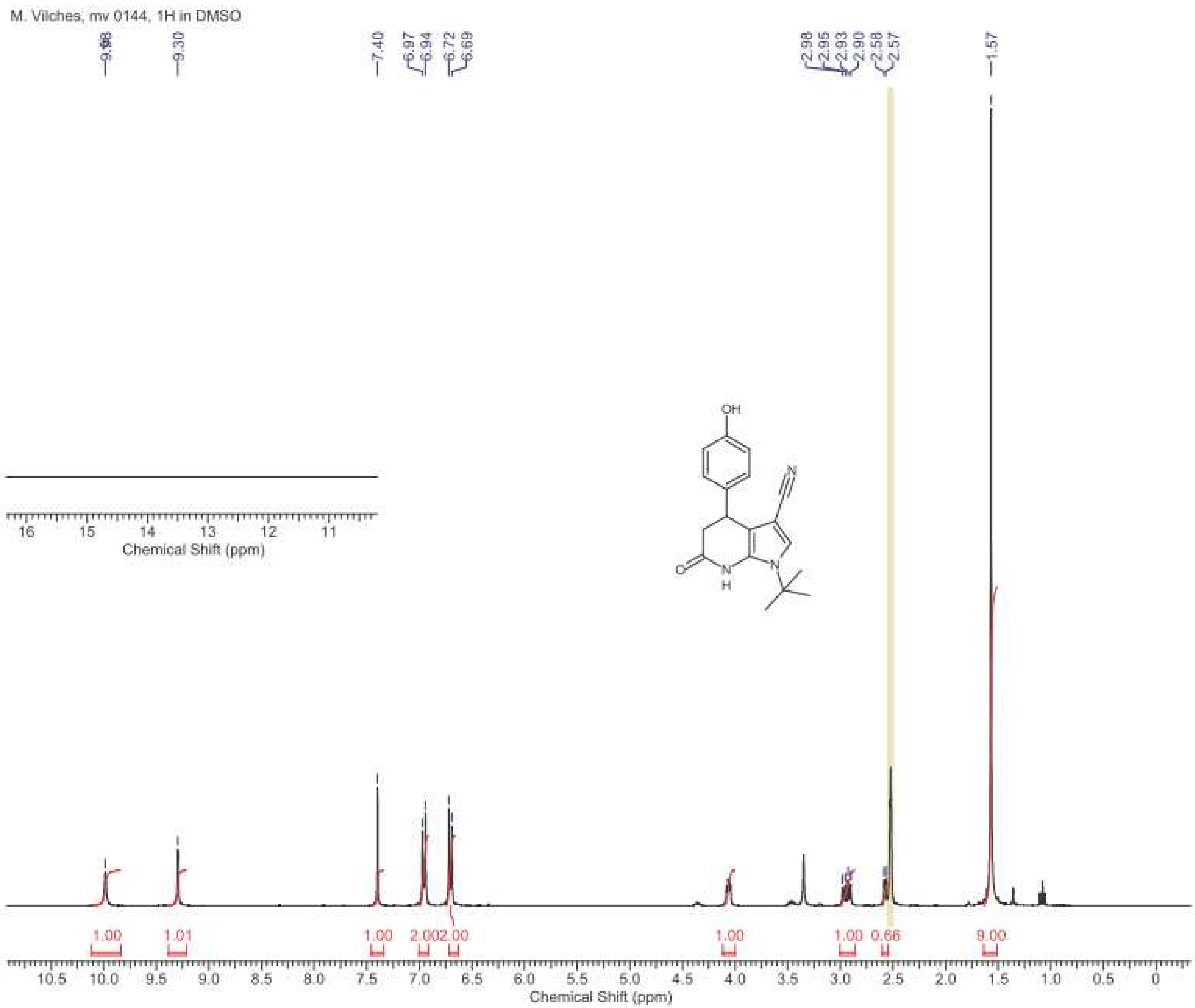

Vilches mv0201ox 13C CDCl3
195.93
157.78
146.48
143.78
141.82
134.99
133.90
133.21
128.22
127.83
127.26
126.07
125.64
119.32
119.03
113.00
84.13
58.13
46.41
41.10
38.54
28.04
Cl
O
N
N
N
File Name J:\120126.u312\11\pdata\1\1r
Date 26 Jan 2012 21:43:44
Acquisition Time (sec) 1.8175
Nucleus 13C
Points Count 32768
Spectrum Offset (Hz) 7467.6455
Number of Transients 1024
Pulse Sequence zgpg30
Spectrum Type STANDARD
Origin spect
Receiver Gain 2050.00
Sweep Width (Hz) 18028.29
Original Points Count 32768
SW(cyclical) (Hz) 18028.85
Temperature (degree C) 25.160
Frequency (MHz) 75.47
Owner nmrsu
Solvent CHLOROFORM-d
210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
Chemical Shift (ppm)



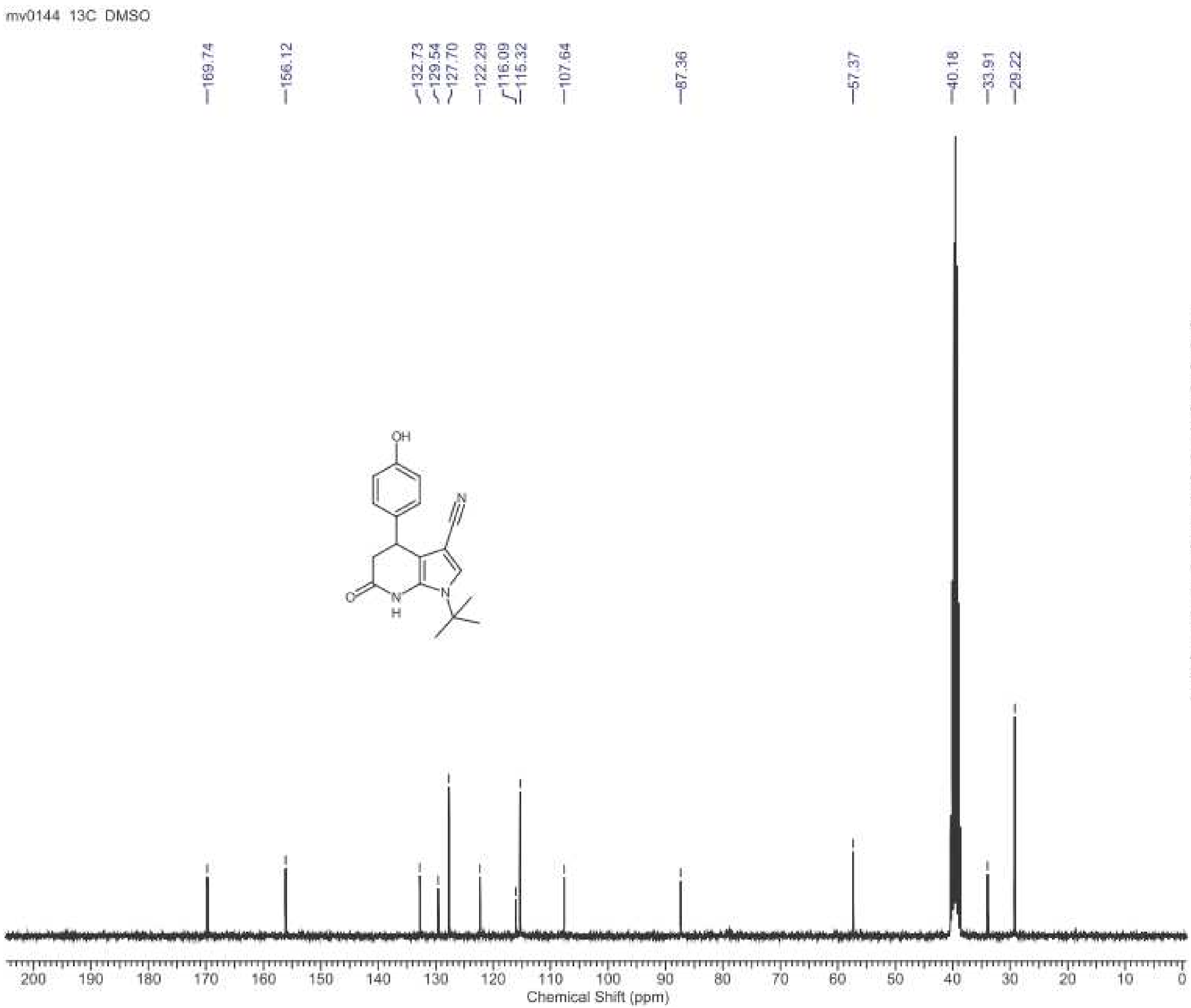
File Name	\100916.u320\10\pdata\1\1r
Date	16 Sep 2010 16:02:40
Frequency (MHz)	300.13
Owner	nmrsu
Sweep Width (Hz)	6187.93
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.160
Number of Transients	16
Pulse Sequence	zg30
Origin	spect
Receiver Gain	128.00
Spectrum Offset (Hz)	1823.2021
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Spectrum Type	STANDARD



File Name	100917.214\10\pdata\1\1r
Date	20 Sep 2010 04:05:52
Acquisition Time (sec)	2.1845
Date Stamp	20 Sep 2010 04:05:52
Nucleus	13C
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	26.460
Number of Transients	1200
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54

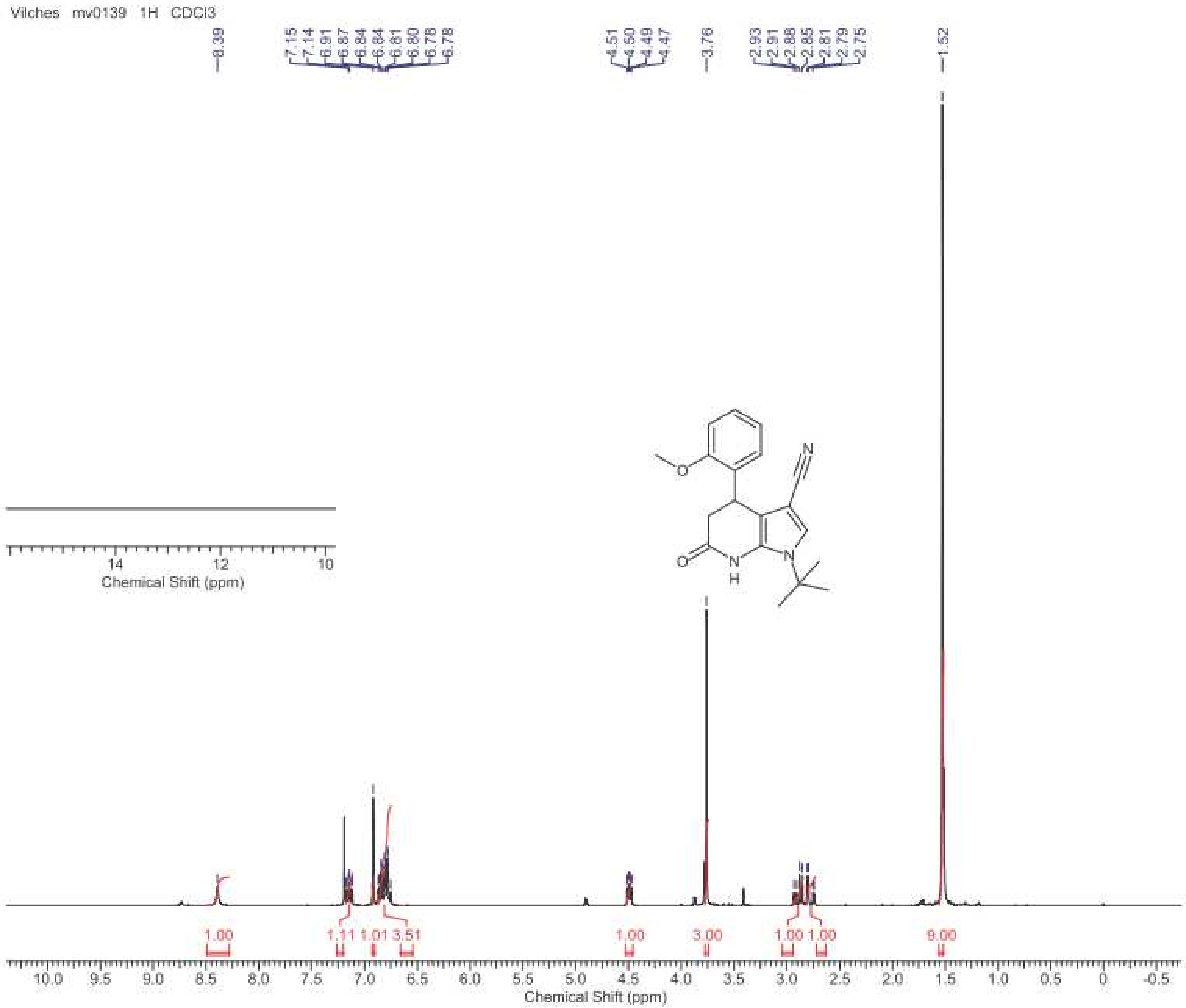


File Name	101217.u315\9\pdata\1\1r
Date	18 Dec 2010 16:04:32
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	128.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



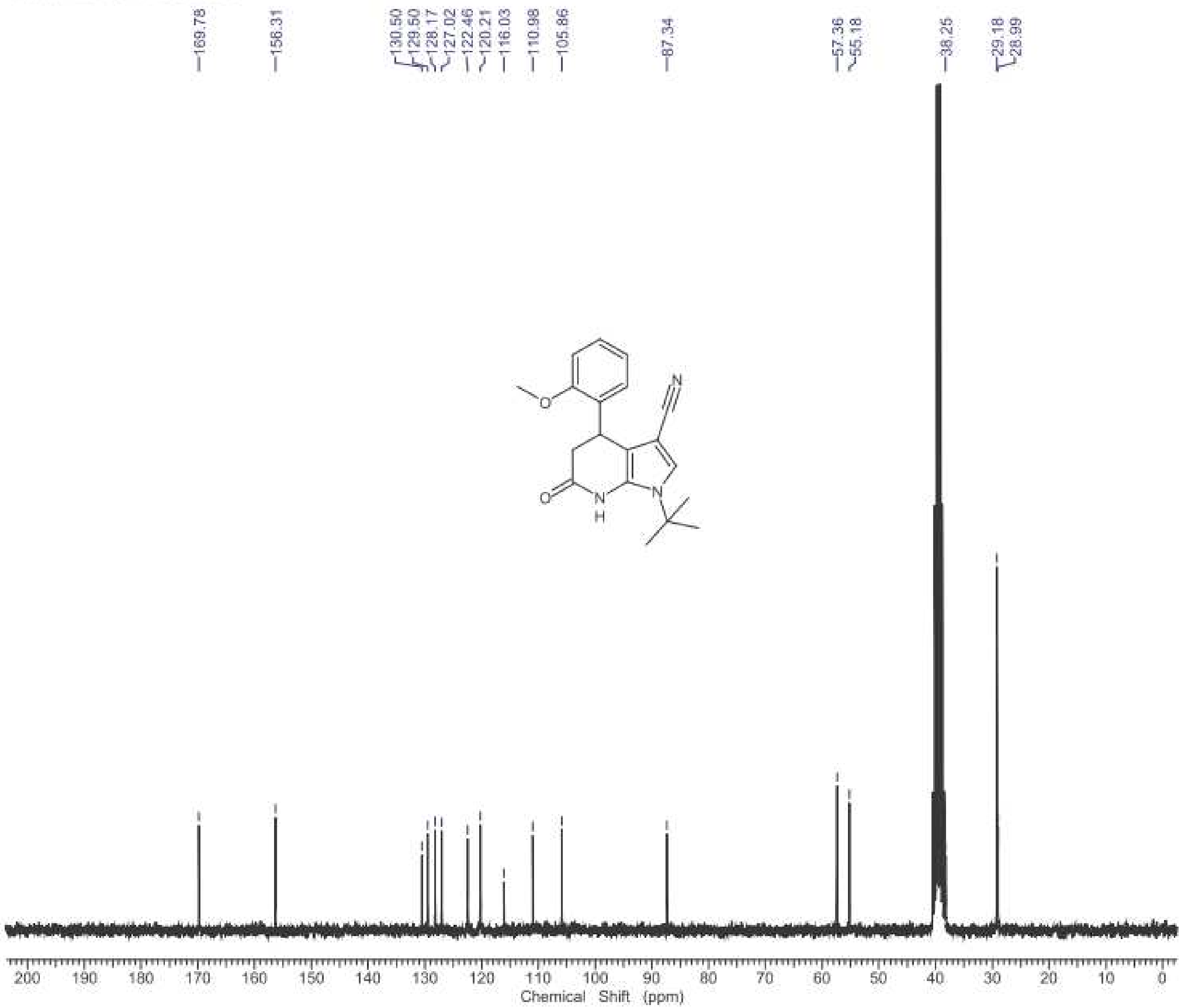
173

File Name	101217.u315\11\pdata\1\1r
Date	18 Dec 2010 18:53:04
Acquisition Time (sec)	1.8175
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	7508.5698
Number of Transients	2048
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	18028.29
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Temperature (degree C)	25.160
Frequency (MHz)	75.47
Owner	nmrsu
Solvent	DMSO-d6



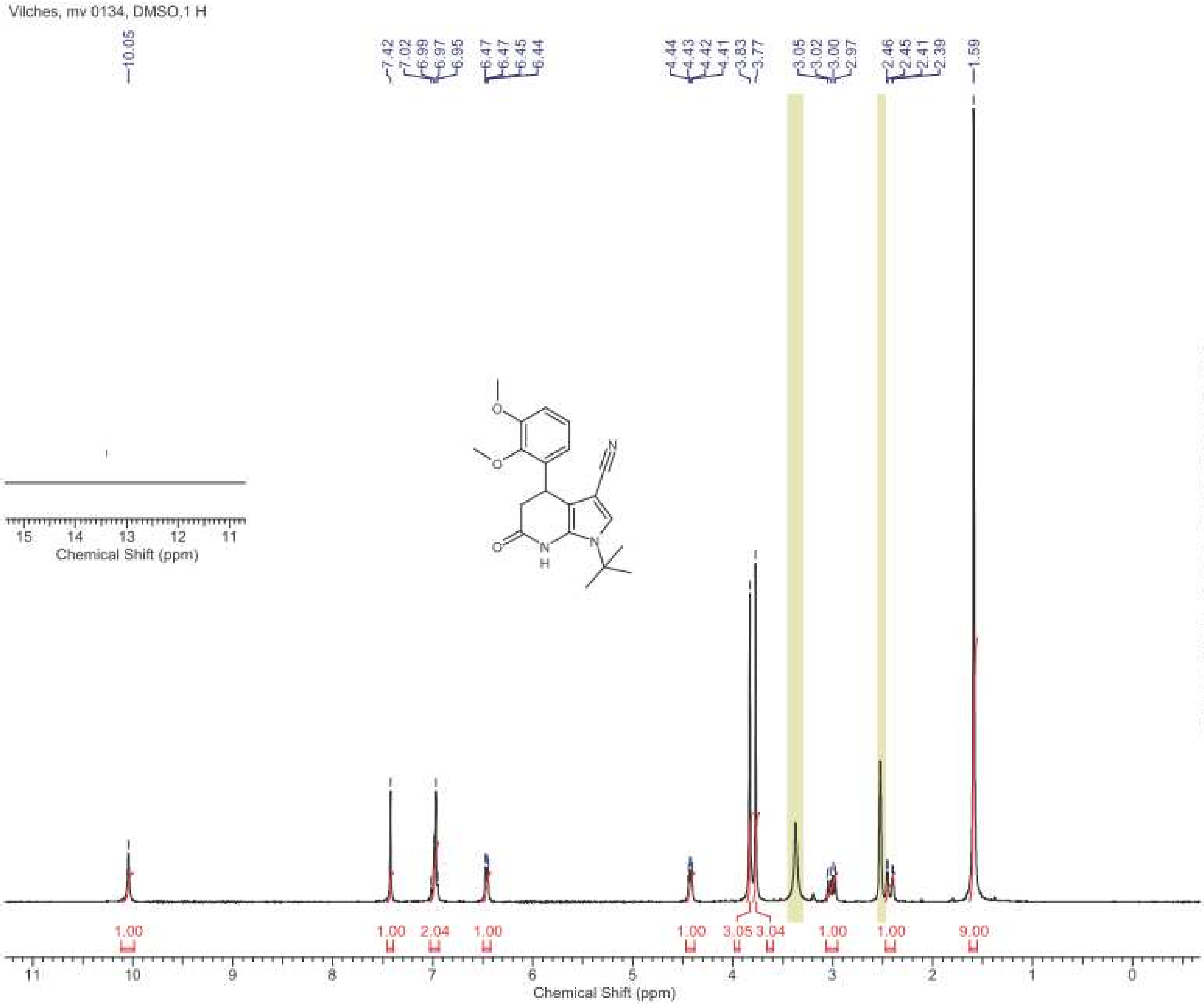
File Name	101214.u325\10\pdata\1\1r
Date	14 Dec 2010 12:46:08
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1823.8741
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	144.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d

Vilches mv0139-T 13C DMSO

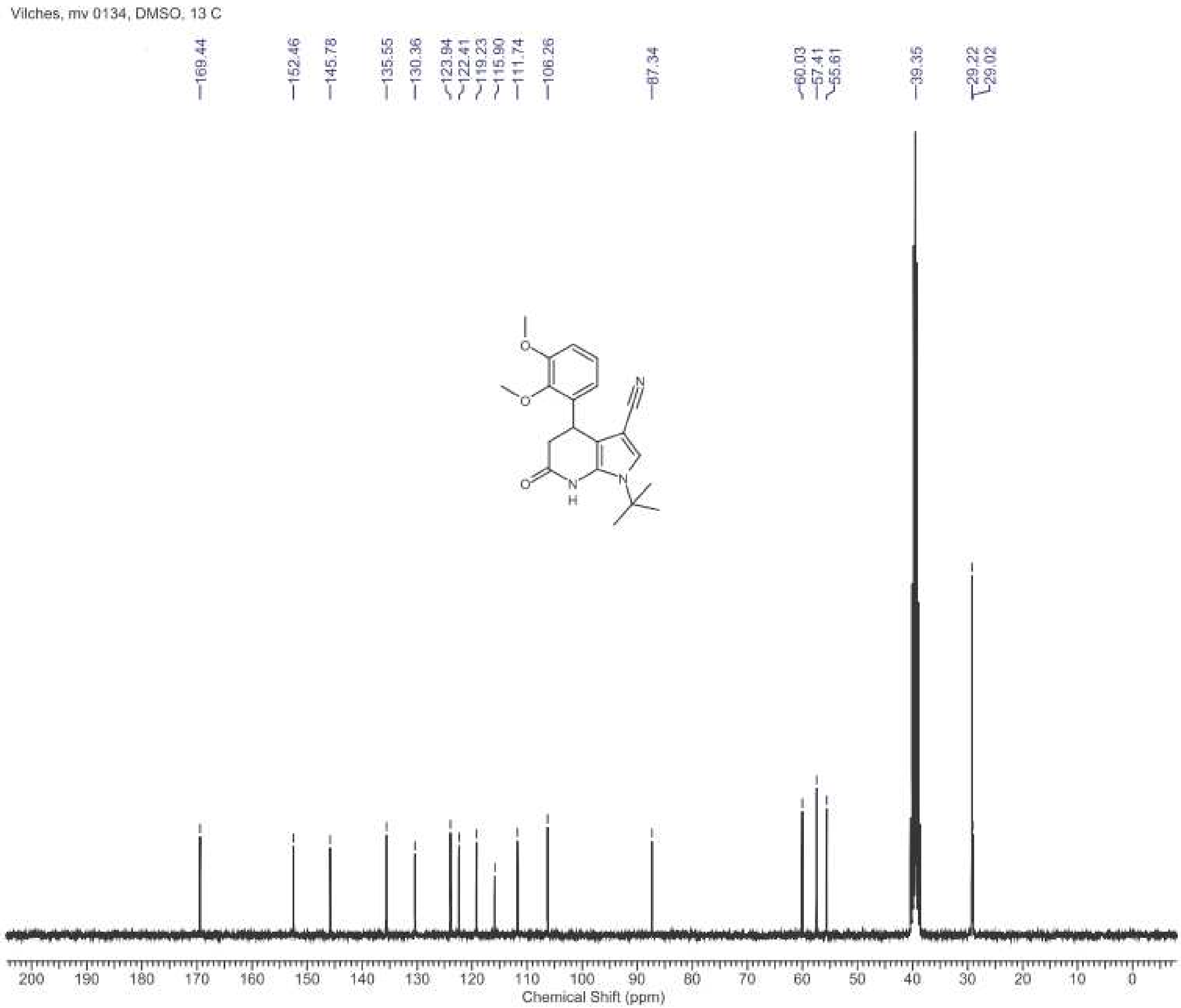


175

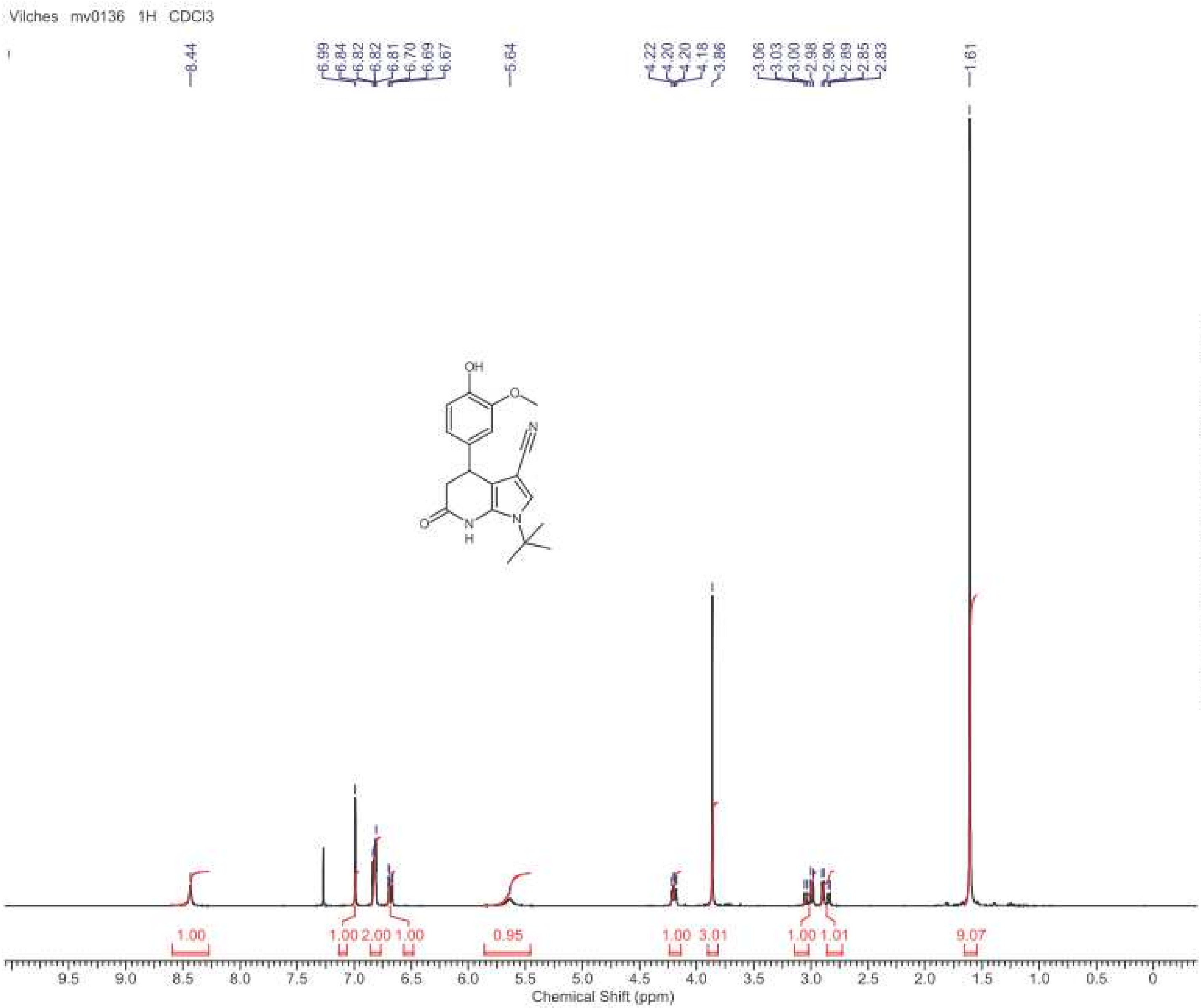
File Name	110105.207\10\pdata\1\1r
Date	05 Jan 2011 21:18:08
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.860
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6



File Name	101210.u312\10\pdata\1\1r
Date	10 Dec 2010 09:25:36
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	101.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	22.660
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6

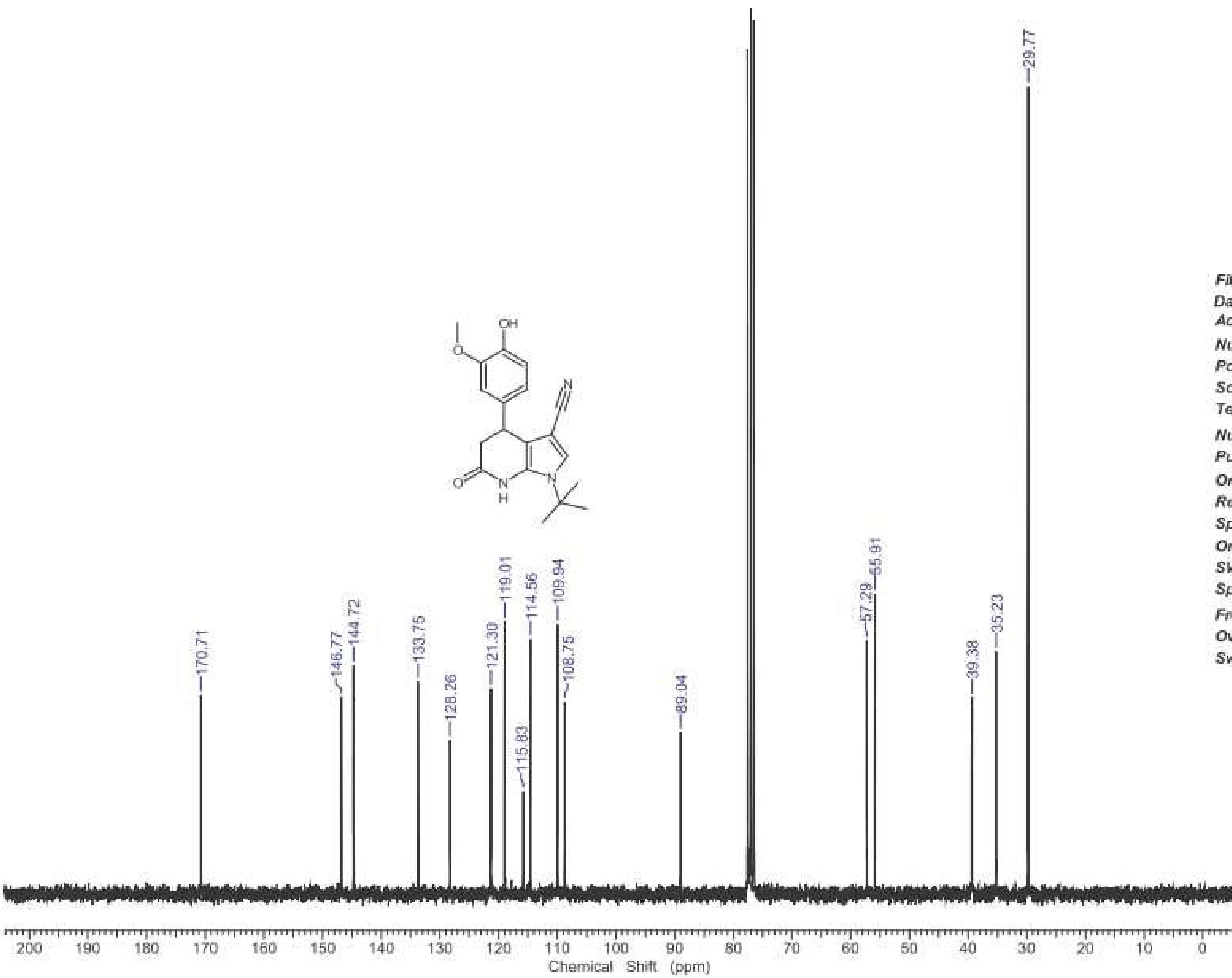


File Name	101210.u312\11\pdata\1\1r
Date	10 Dec 2010 16:34:24
Acquisition Time (sec)	1.8175
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	7508.5698
Number of Transients	999
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	18028.29
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Temperature (degree C)	24.060
Frequency (MHz)	75.47
Owner	nmrsu
Solvent	DMSO-d6

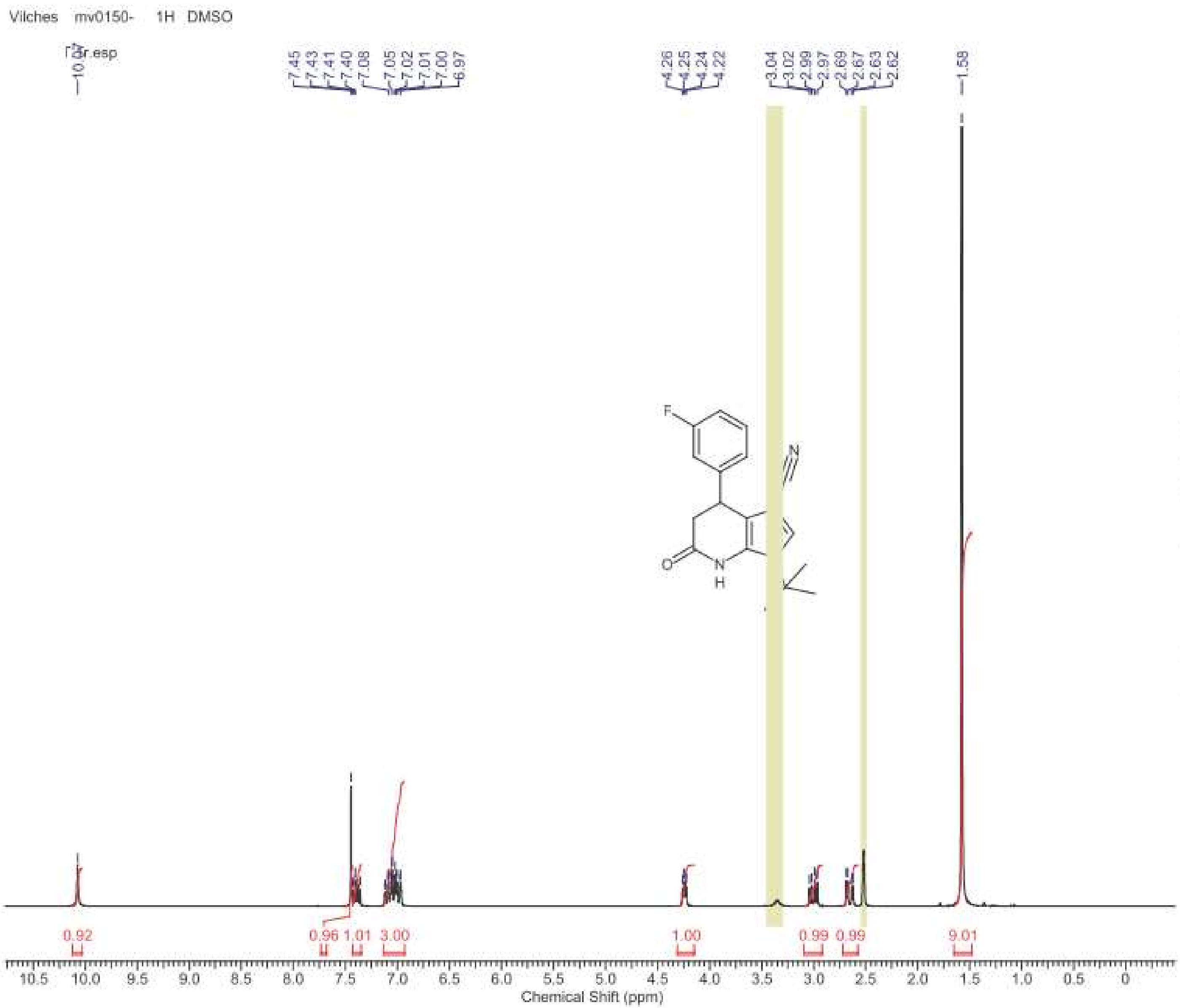


File Name	110210.u321\10\pdata\1\1r
Date	10 Feb 2011 11:40:00
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1848.1594
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	128.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d

Vilches mv0136 13C CDCl3

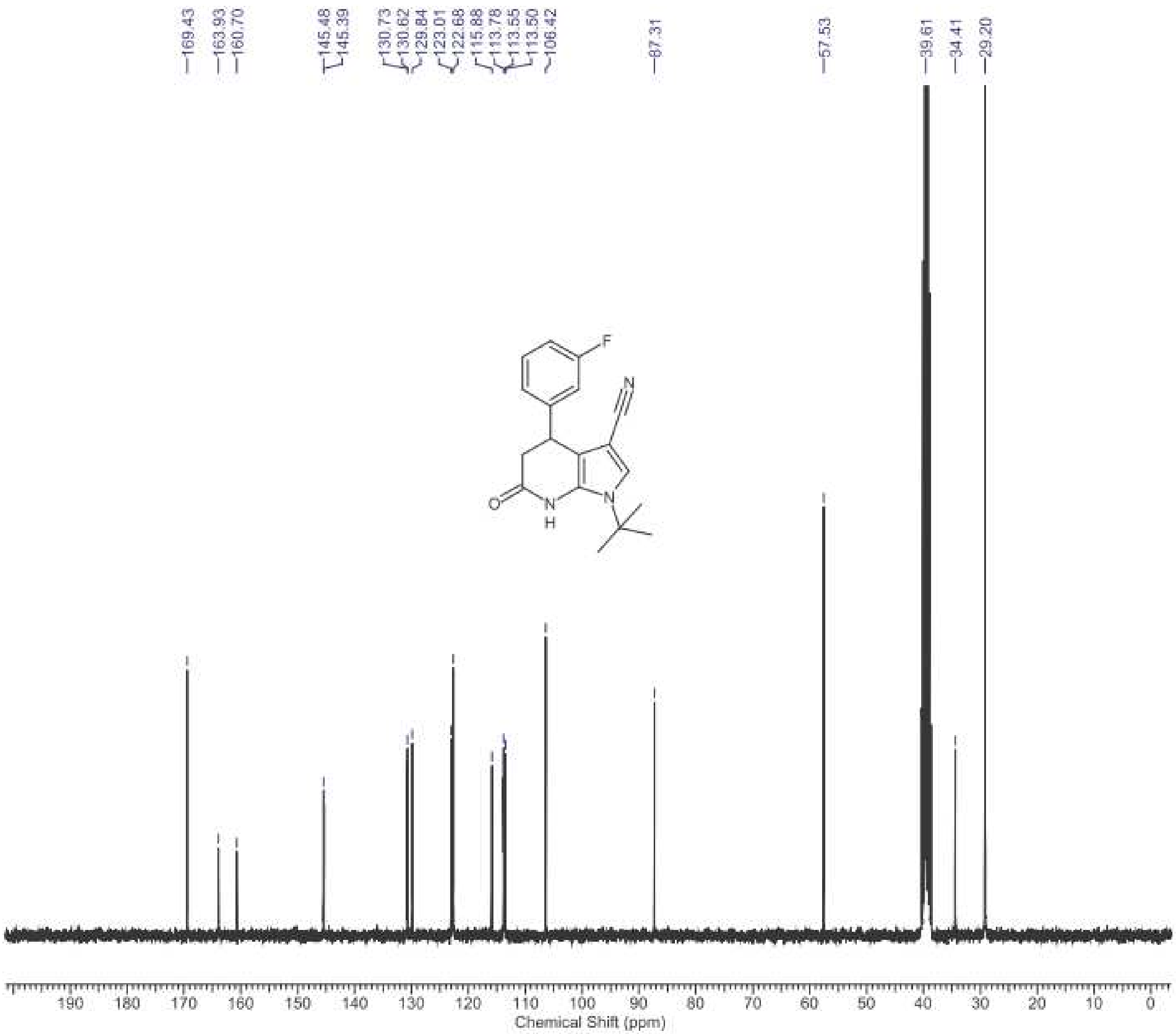


File Name	101214.202\10\pdata\1\1r
Date	14 Dec 2010 11:35:44
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	24.960
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54



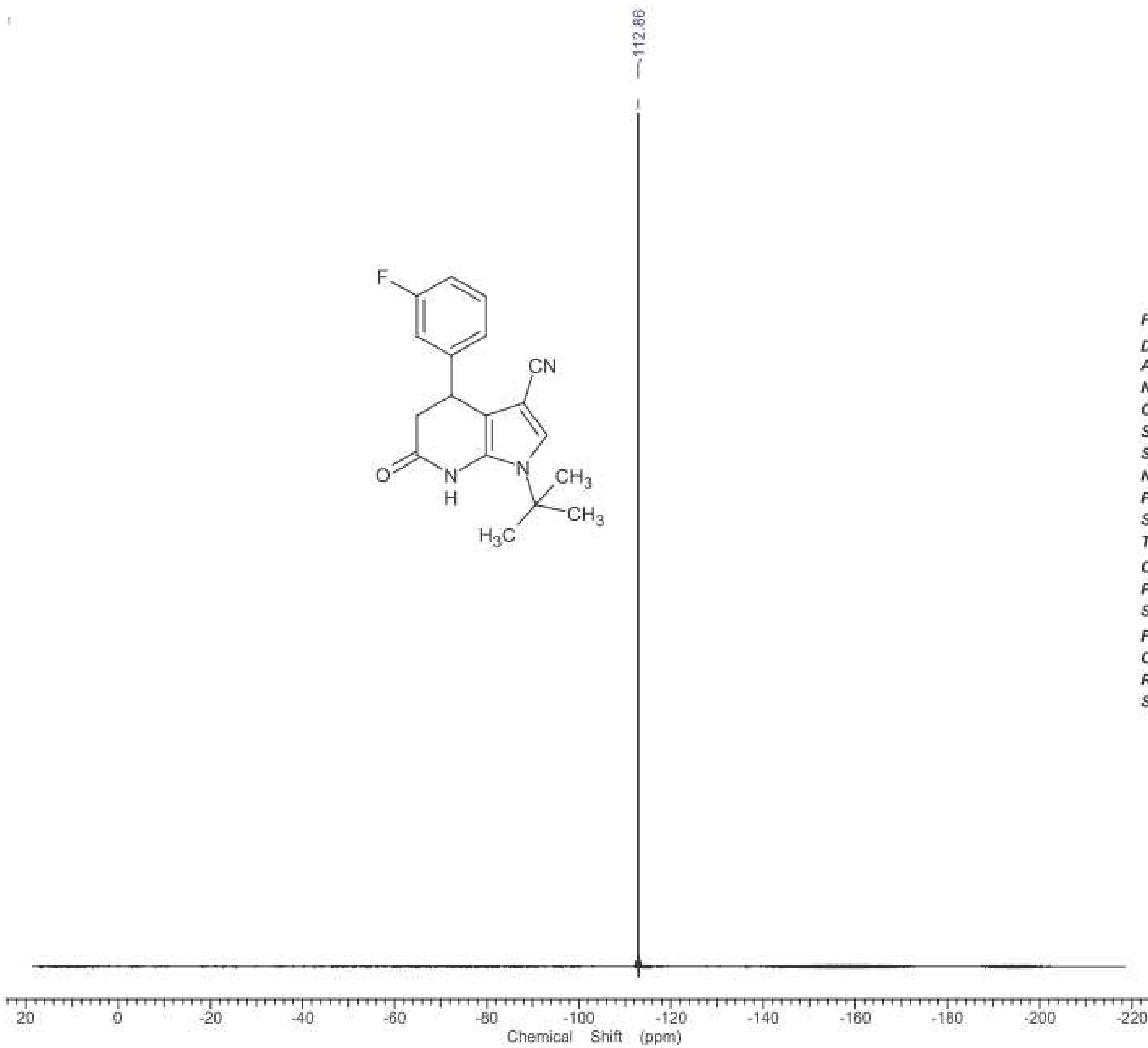
File Name	110105
Date	05 Jan 2011 13:28:48
Acquisition Time (sec)	5
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	S
Origin	spec
Receiver Gain	101
Sweep Width (Hz)	6187
Original Points Count	32768
SW(cyclical) (Hz)	6188
Temperature (degree C)	25
Frequency (MHz)	300
Owner	nmrsu
Solvent	DMSO-d6

Vilches mv0150-T 13 DMSO

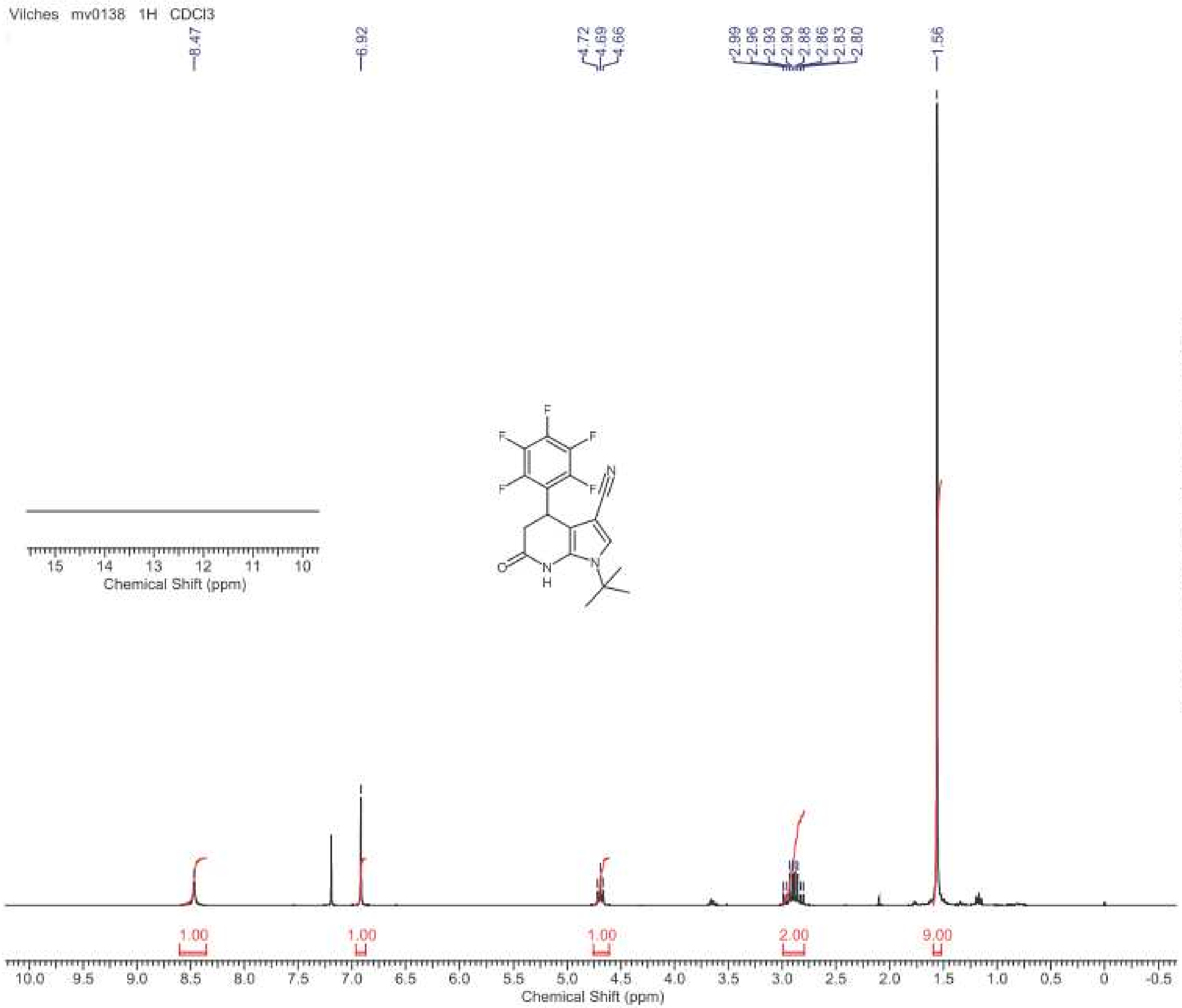


File Name	110105.u329\12\pdata\1\1r
Date	05 2011 19:01:36
Acquisition Time (sec)	1.8175
Nucleus	13
Points Count	32768
Spectrum Offset (Hz)	7508.5698
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	18028.29
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Temperature (degree C)	25.160
Frequency (MHz)	75.47
Owner	nmrsu
Solvent	DMSO-d6

Vilches mv0150-T 19F DMSO



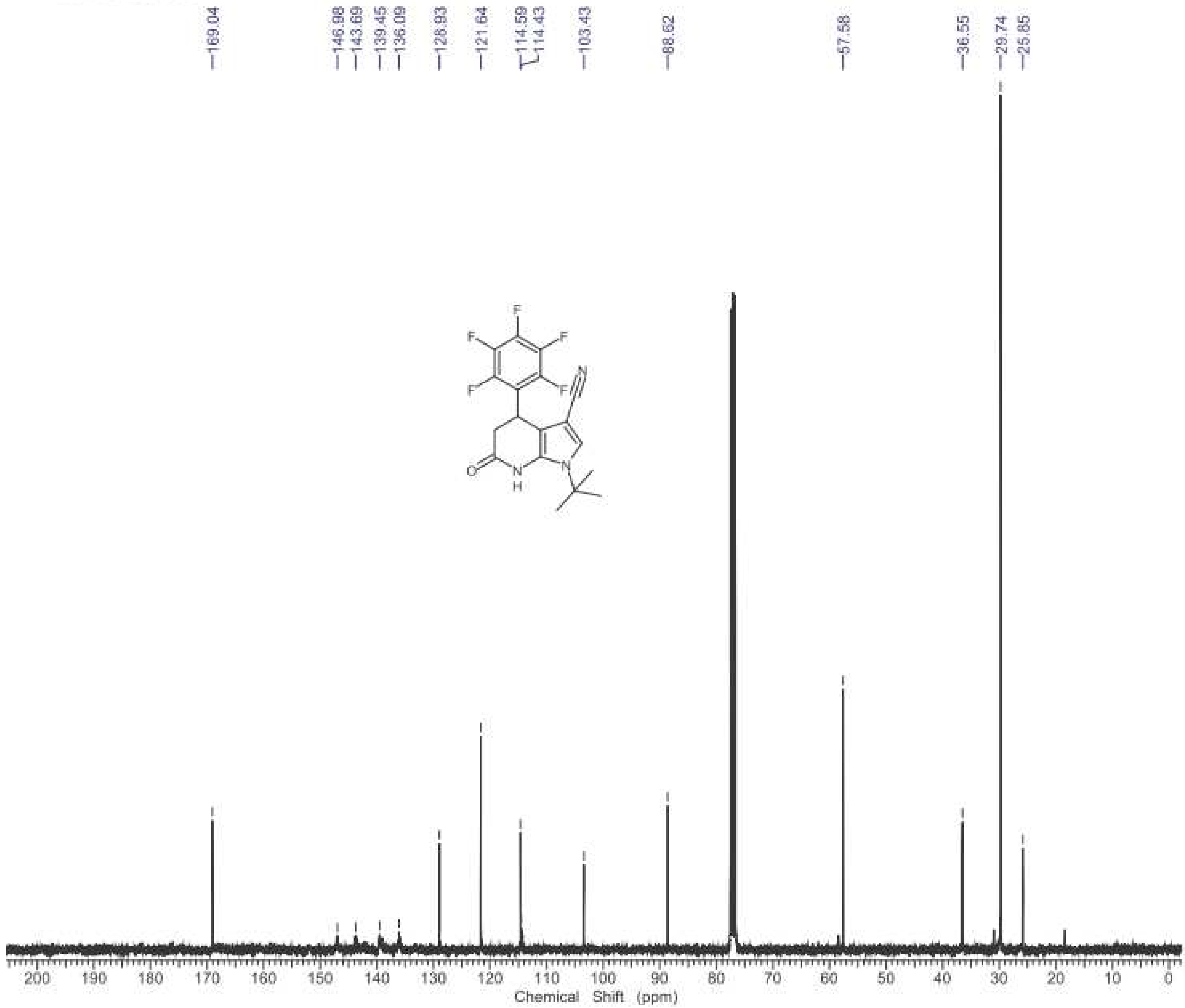
File Name	110105.u329\11\pdata\1\1r
Date	05 Jan 2011 13:33:04
Acquisition Time (sec)	0.9787
Nucleus	19F
Owner	nmrsu
SW(cyclical) (Hz)	66964.29
Sweep Width (Hz)	66963.27
Number of Transients	80
Points Count	65536
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zgfhigqn
Spectrum Offset (Hz)	-28240.2227
Frequency (MHz)	282.40
Original Points Count	65536
Receiver Gain	2050.00
Spectrum Type	STANDARD



183

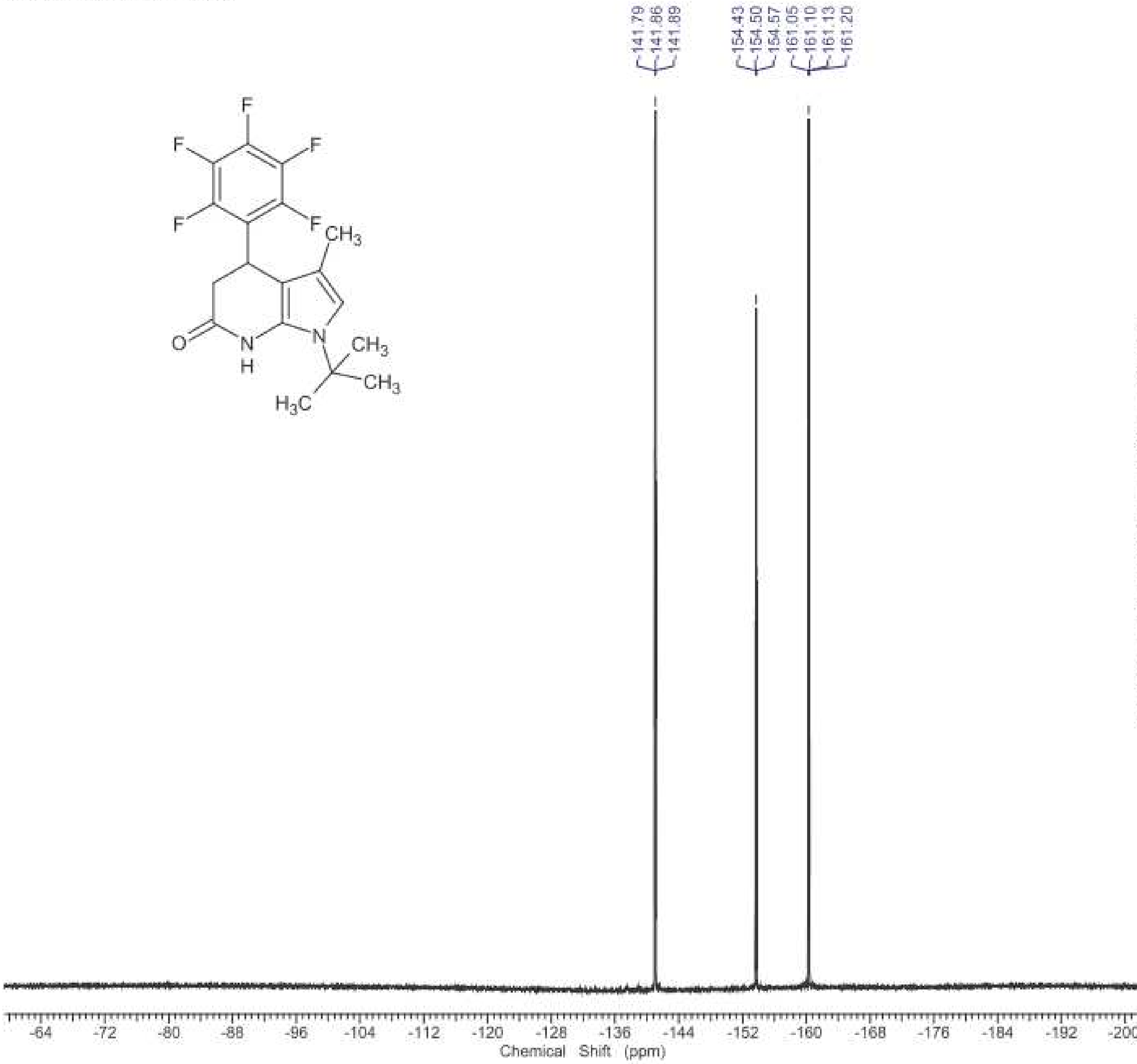
File Name	101221.u312\10\pdata\1\1r
Date	21 Dec 2010 09:57:36
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1824.8440
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	181.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d

mv0138 13C CDC



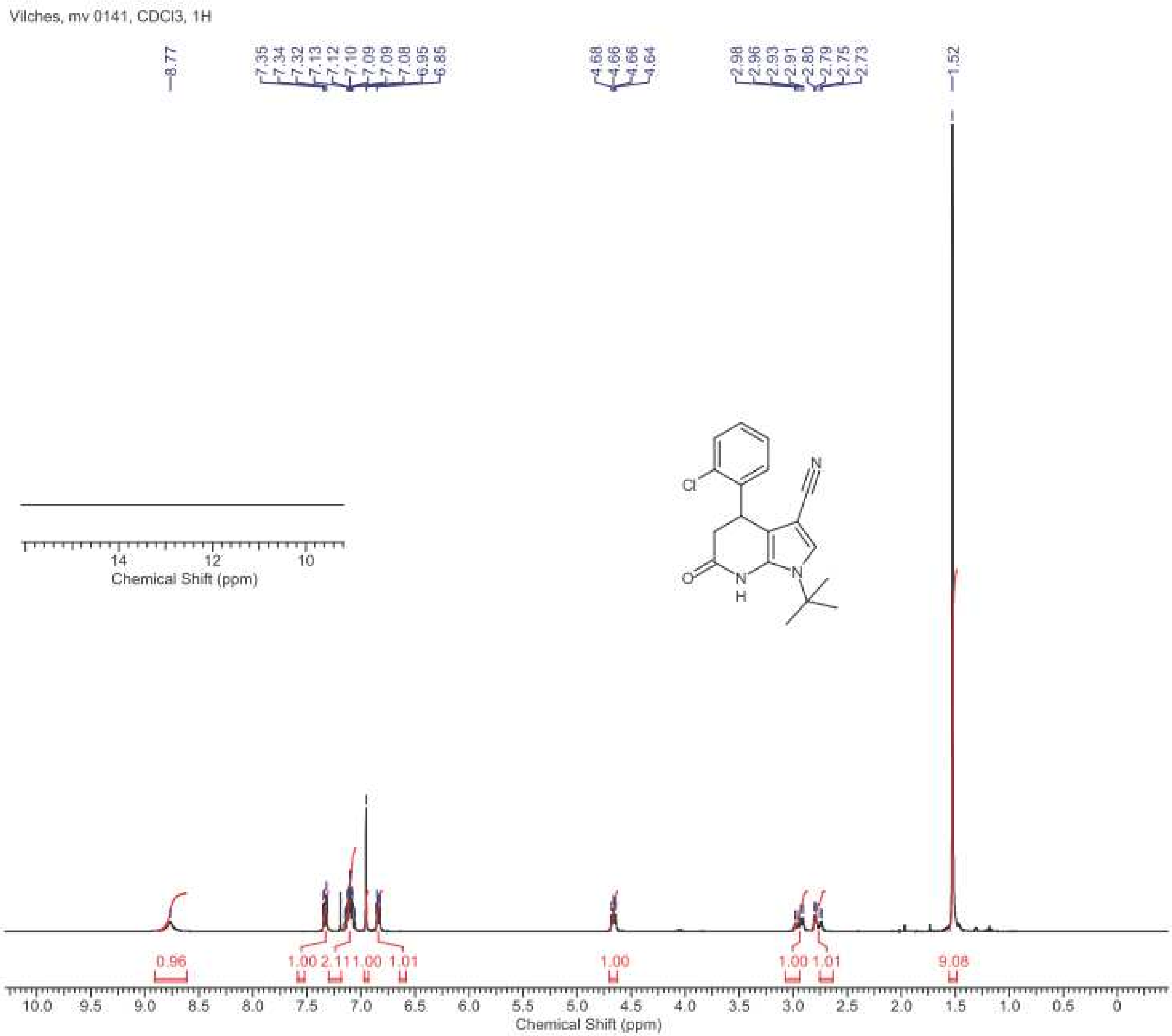
File Name	101221.u312\12\pdata\1\1r
Date	22 Dec 2010 07:15:28
Acquisition Time (sec)	1.8175
Nucleus	13C
Points Count	32768
Solvent	C
Temperature (degree C)	25.160
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	7546.3032
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Spectrum Type	STANDARD
Frequency (MHz)	75.47
Owner	nmrsu
Sweep Width (Hz)	18028.29

Vilches mv0138 19F CDCl3



185

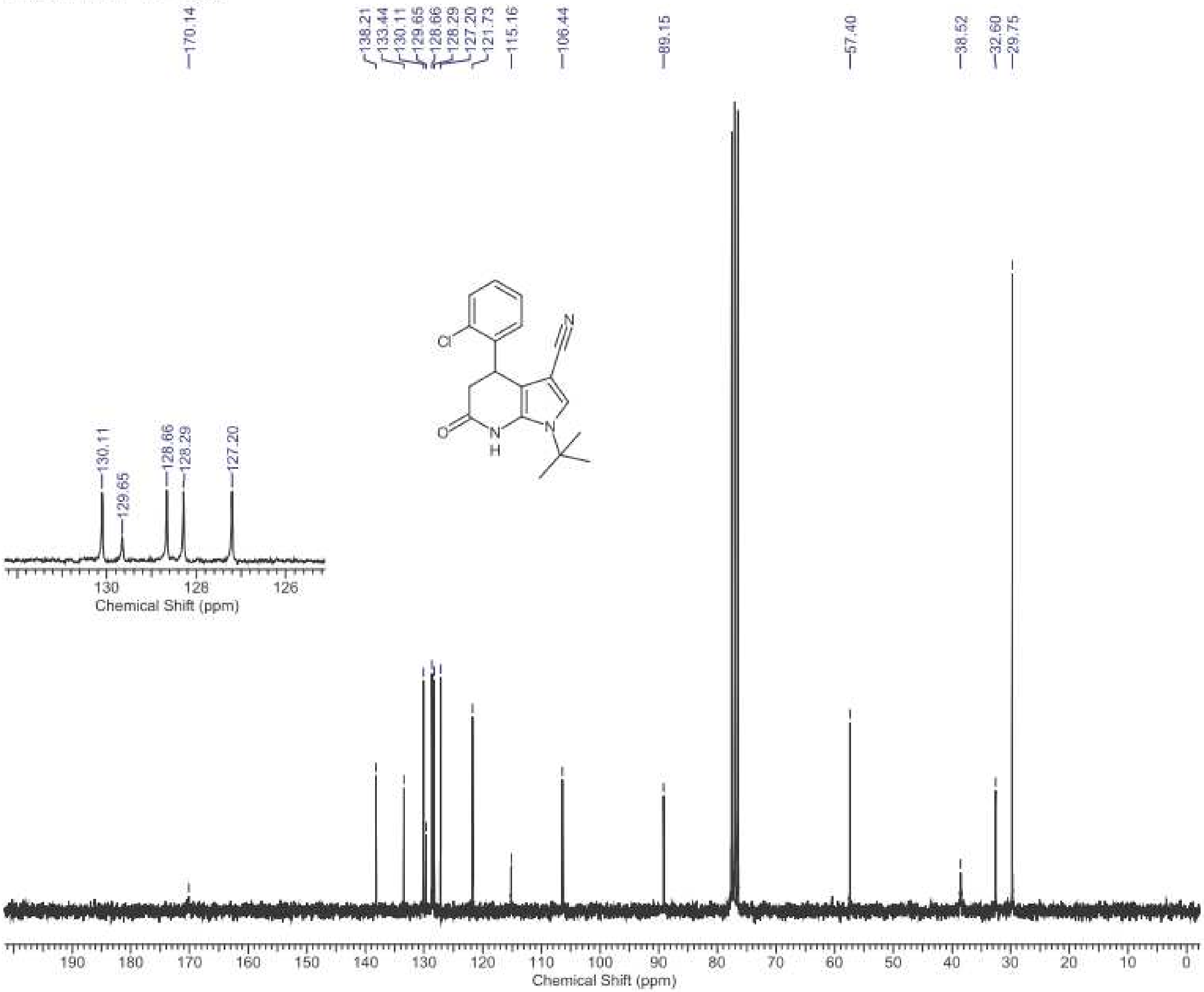
File Name	\101221.u312\11\pdata\1\1r
Date	21 Dec 2010 10:01:52
Acquisition Time (sec)	0.9787
Nucleus	19F
Owner	nmrsu
SW(cyclical) (Hz)	66964.29
Spectrum Type	STANDARD
Number of Transients	80
Points Count	65536
Solvent	CHLOROFORM-d
Sweep Width (Hz)	66963.27
Origin	spect
Pulse Sequence	zgfhigqn
Temperature (degree C)	25.160
Frequency (MHz)	282.40
Original Points Count	65536
Receiver Gain	2050.00
Spectrum Offset (Hz)	-28240.2227



186

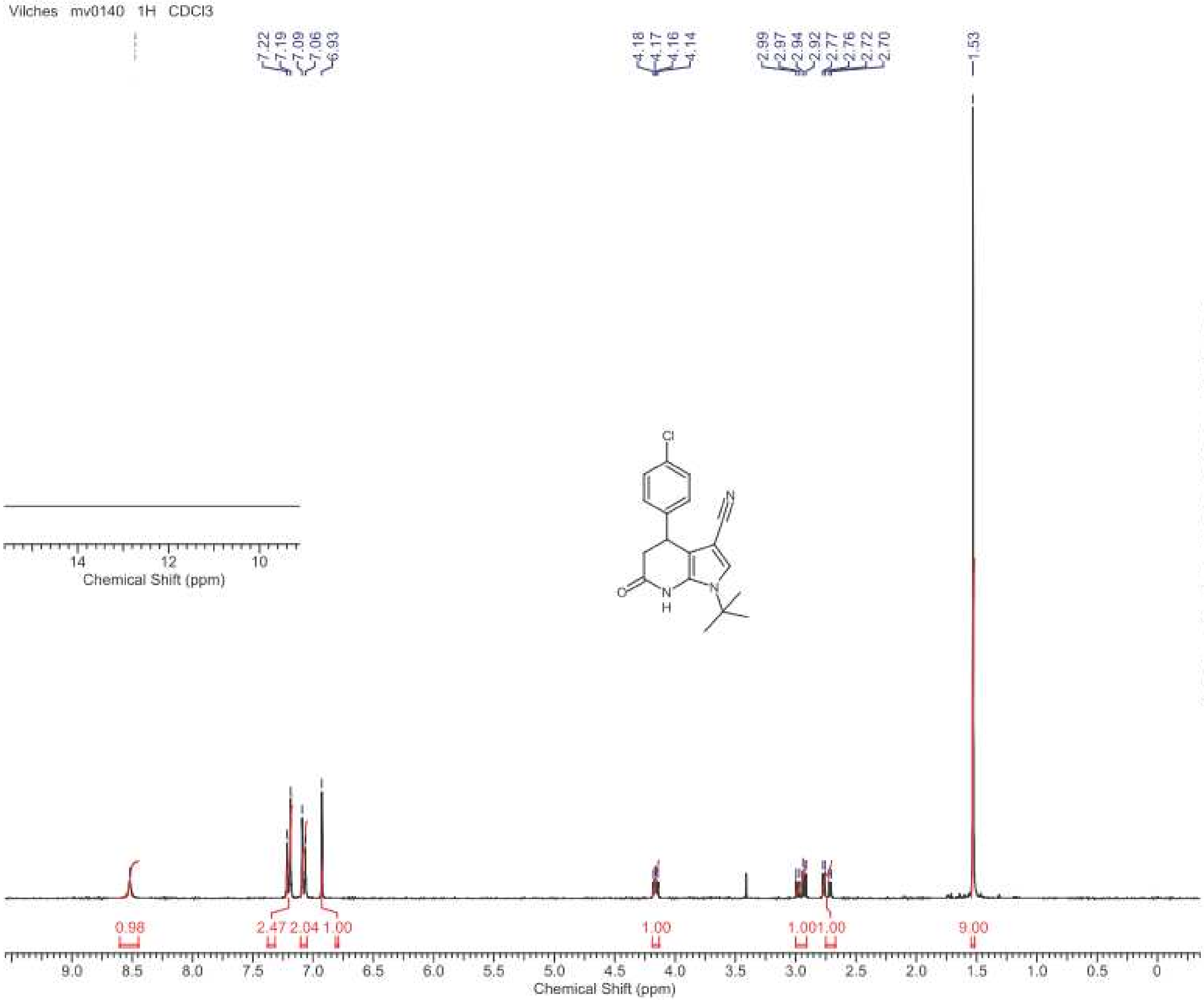
File Name	110114.u323\10\pdata\1\1r
Date	14 Jan 2011 11:44:16
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1824.0007
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	101.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CH

Vilches mv0141 13C CDCl3

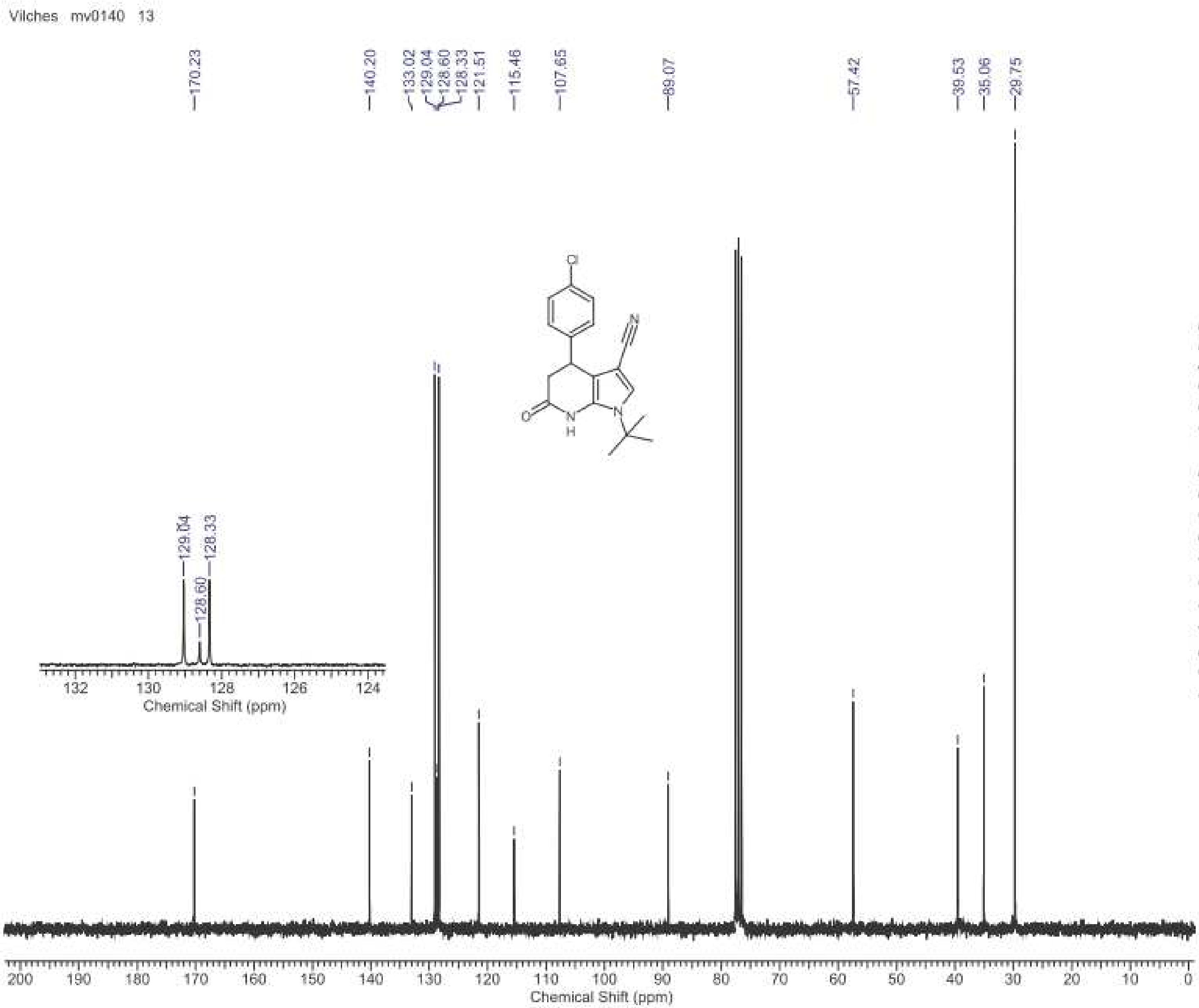


187

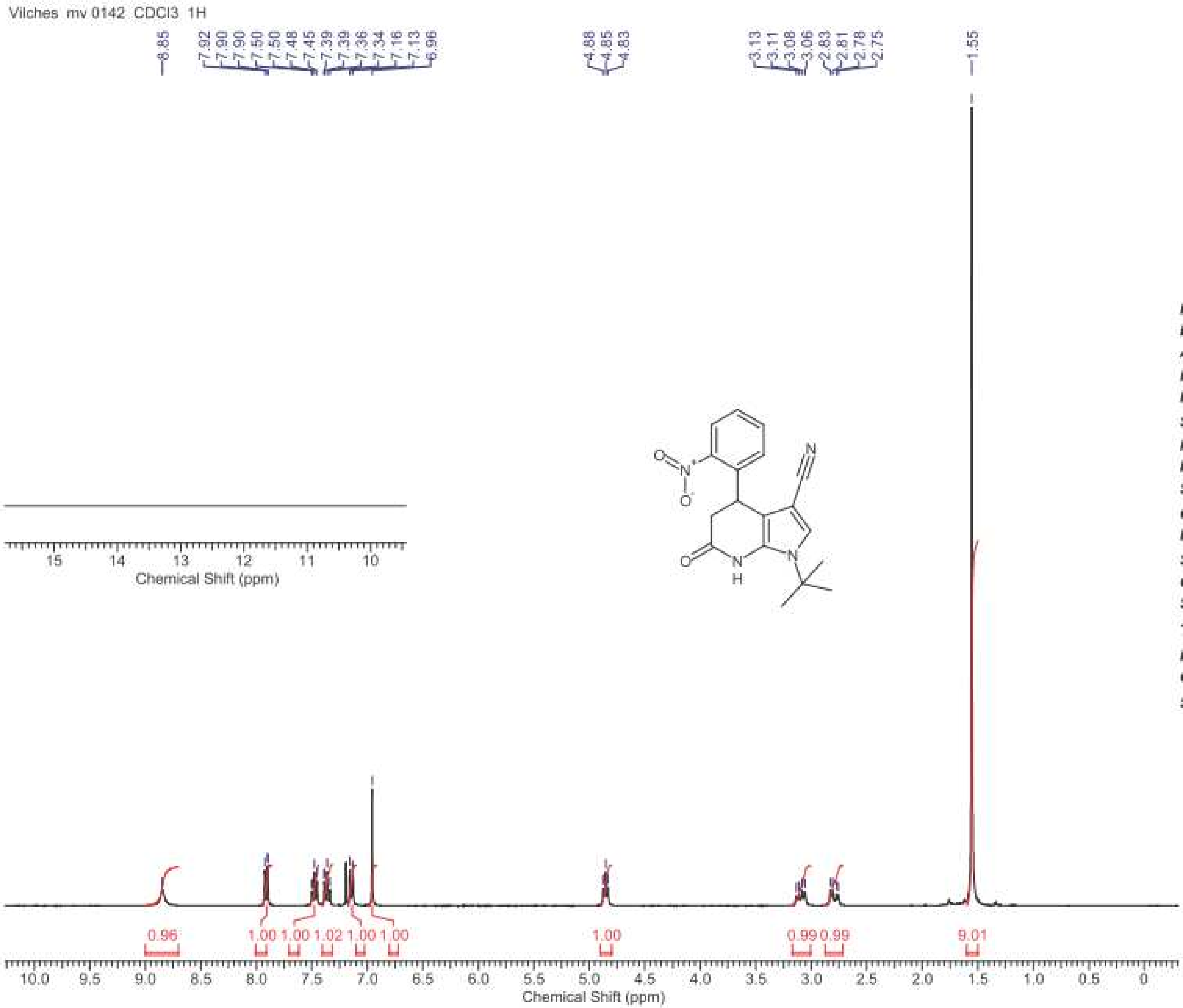
File Name	110117.201\10\pdata\1\1r
Date	17 Jan 2011 10:18:56
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	24.860
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54



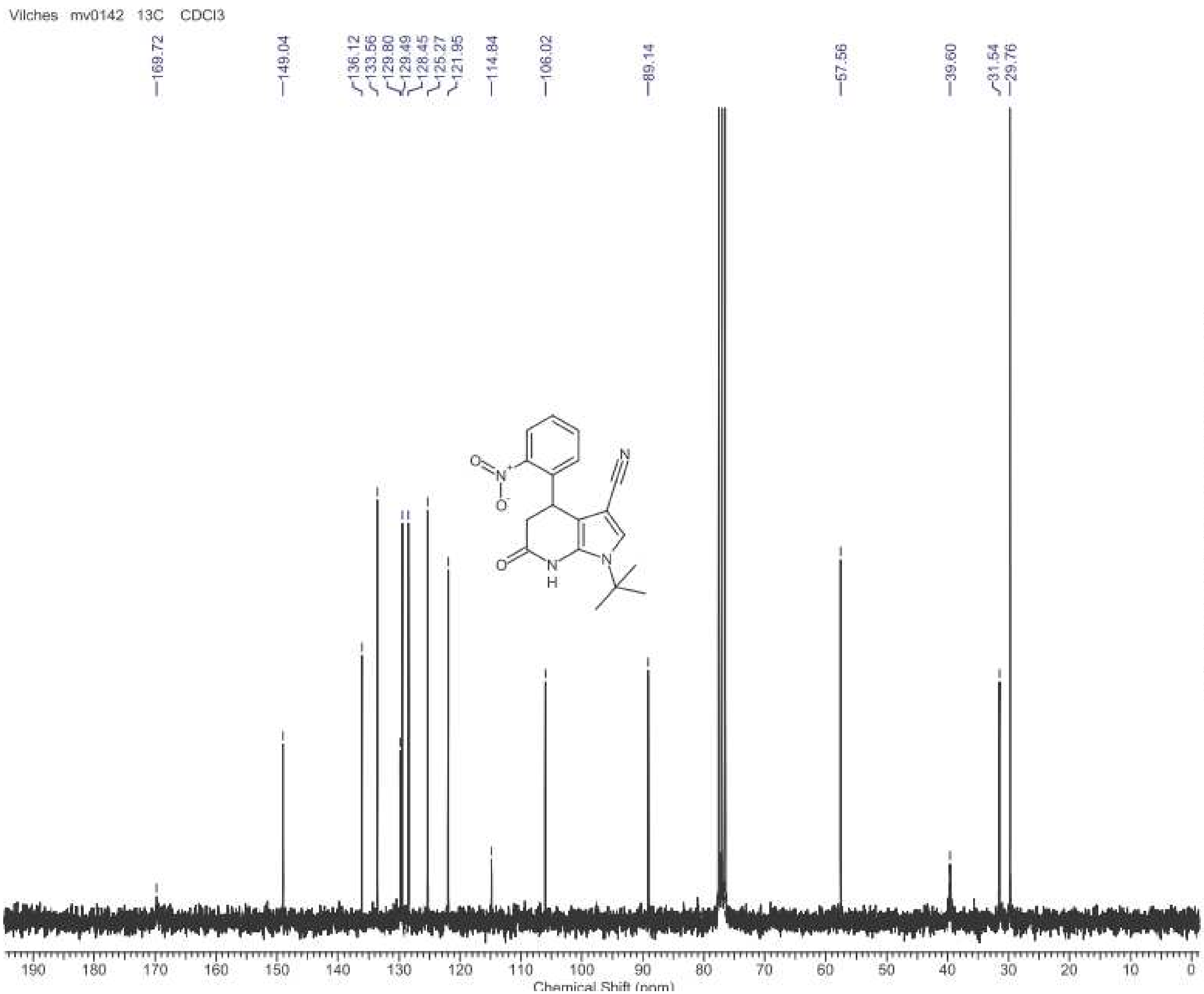
File Name	101214
Date	14 Dec 2010 13:52:16
Acquisition Time (sec)	5
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1824
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	ST
Origin	spec
Receiver Gain	128
Sweep Width (Hz)	6187
Original Points Count	32768
SW(cyclical) (Hz)	6188
Temperature (degree C)	25
Frequency (MHz)	300
Owner	nmrsu
Solvent	CH



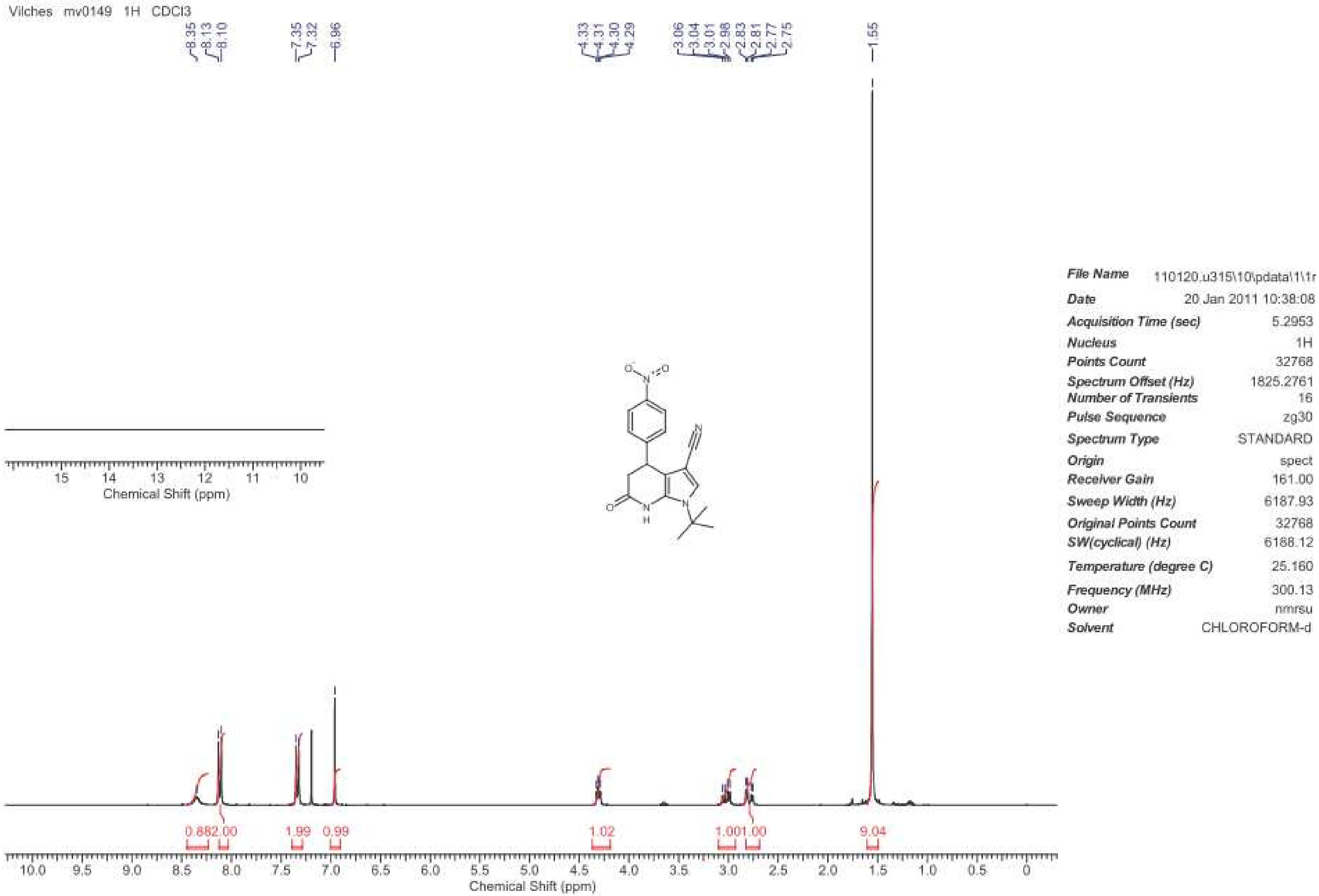
File Name	101215.203\10\pdata\1\1r
Date	15 Dec 2010 14:41:20
Acquisition Time (sec)	2.1845
Nucleus	13
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	24.860
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54



File Name	110114.u324\10\pdata\1\1r
Date	14 2011 11:50:40
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1824.5795
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	114.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d



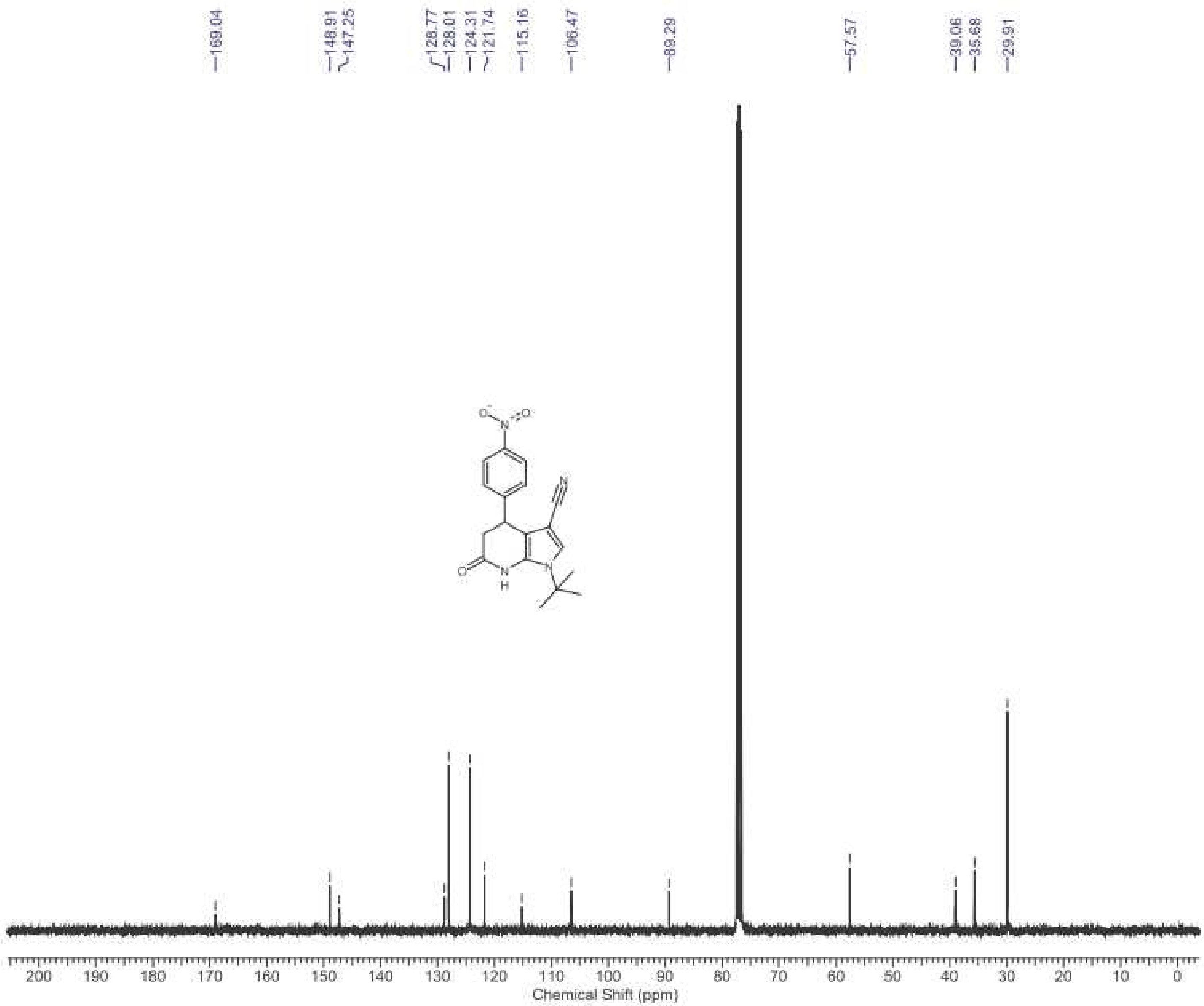
File Name	110117.202\10\pdata\1\1r
Date	17 Jan 2011 11:54:56
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Solvent	CH
Temperature (degree C)	24.860
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54



Vilches mv0149 1H CDCl3
8.35
8.13
8.10
7.35
7.32
6.96
4.33
4.31
4.30
4.29
3.06
3.04
3.01
2.98
2.83
2.81
2.77
2.75
1.55
0.88
2.00
1.99
0.99
1.02
1.00
1.00
9.04
Chemical Shift (ppm)
File Name 110120.u315\10\pdata\1\1r
Date 20 Jan 2011 10:38:08
Acquisition Time (sec) 5.2953
Nucleus 1H
Points Count 32768
Spectrum Offset (Hz) 1825.2761
Number of Transients 16
Pulse Sequence zg30
Spectrum Type STANDARD
Origin spect
Receiver Gain 161.00
Sweep Width (Hz) 6187.93
Original Points Count 32768
SW(cyclical) (Hz) 6188.12
Temperature (degree C) 25.160
Frequency (MHz) 300.13
Owner nmrsu
Solvent CHLOROFORM-d

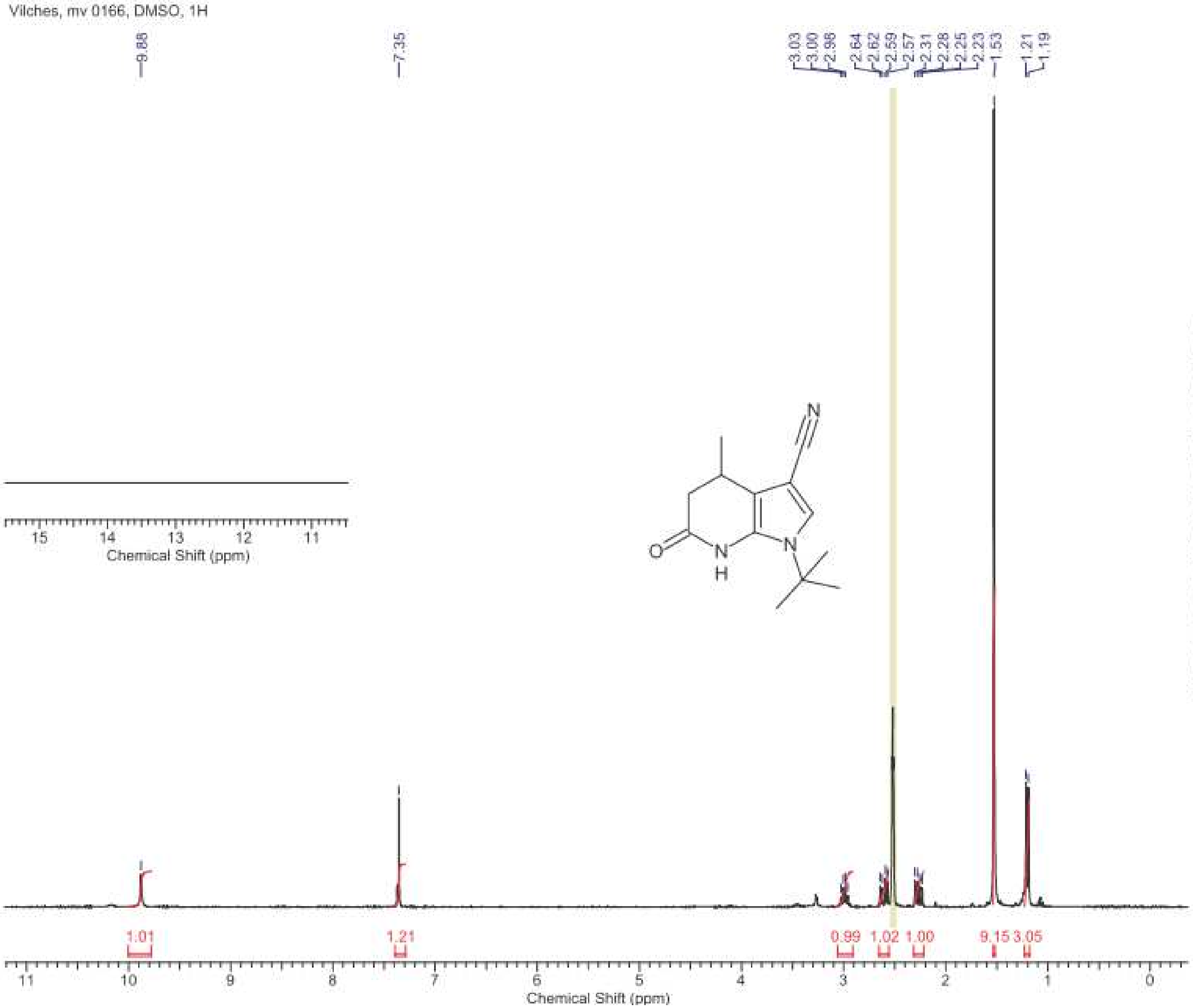
192

Vilches mv 149 13C CDCl3

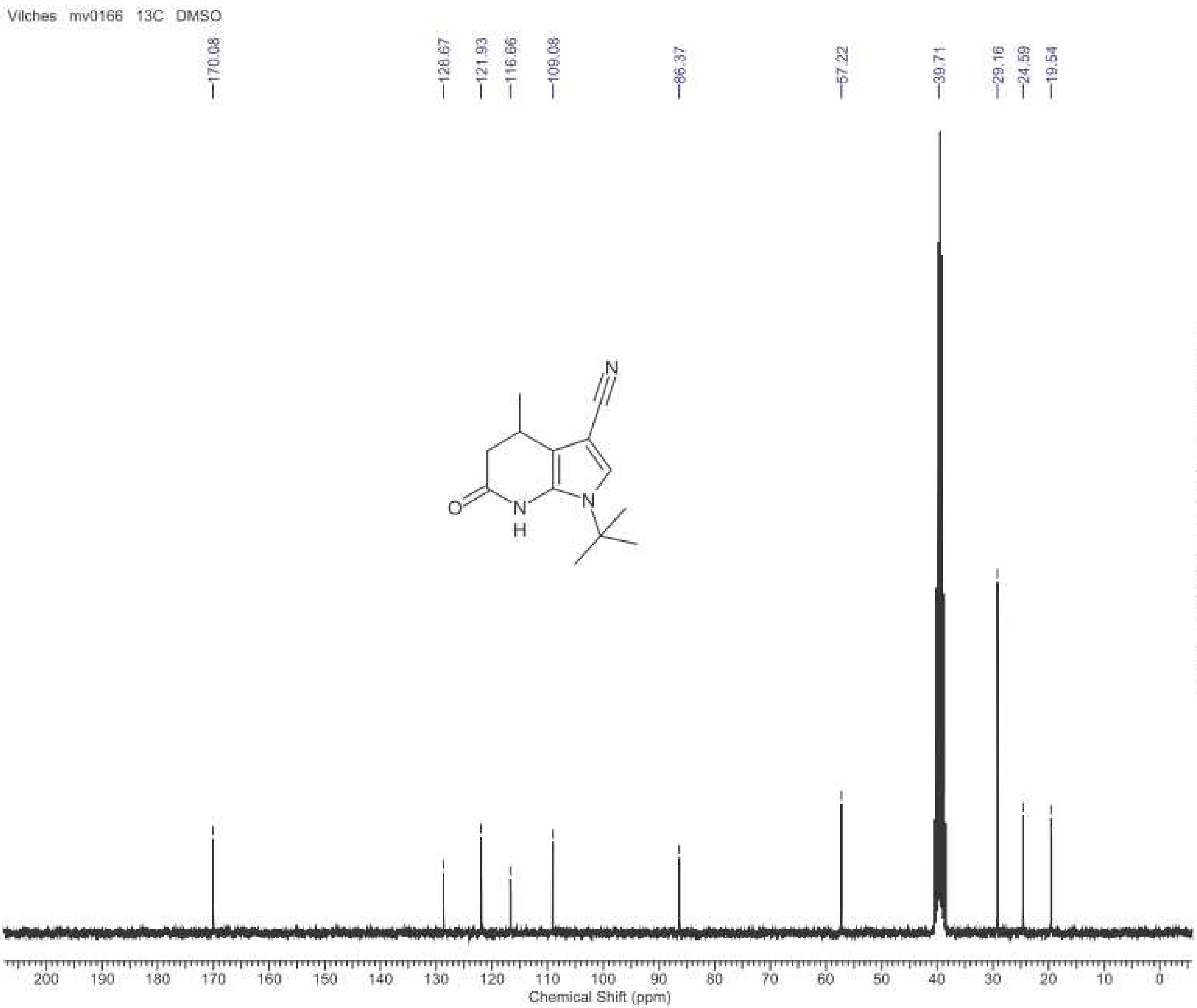


193

File Name	110121.u360\10\pdata\1\1r
Date	22 Jan 2011 16:21:36
Acquisition Time (sec)	1.8175
Nucleus	13C
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.160
Number of Transients	2048
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	7546.3032
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Spectrum Type	STANDARD
Frequency (MHz)	75.47
Owner	nmrsu
Sweep Width (Hz)	18028.29

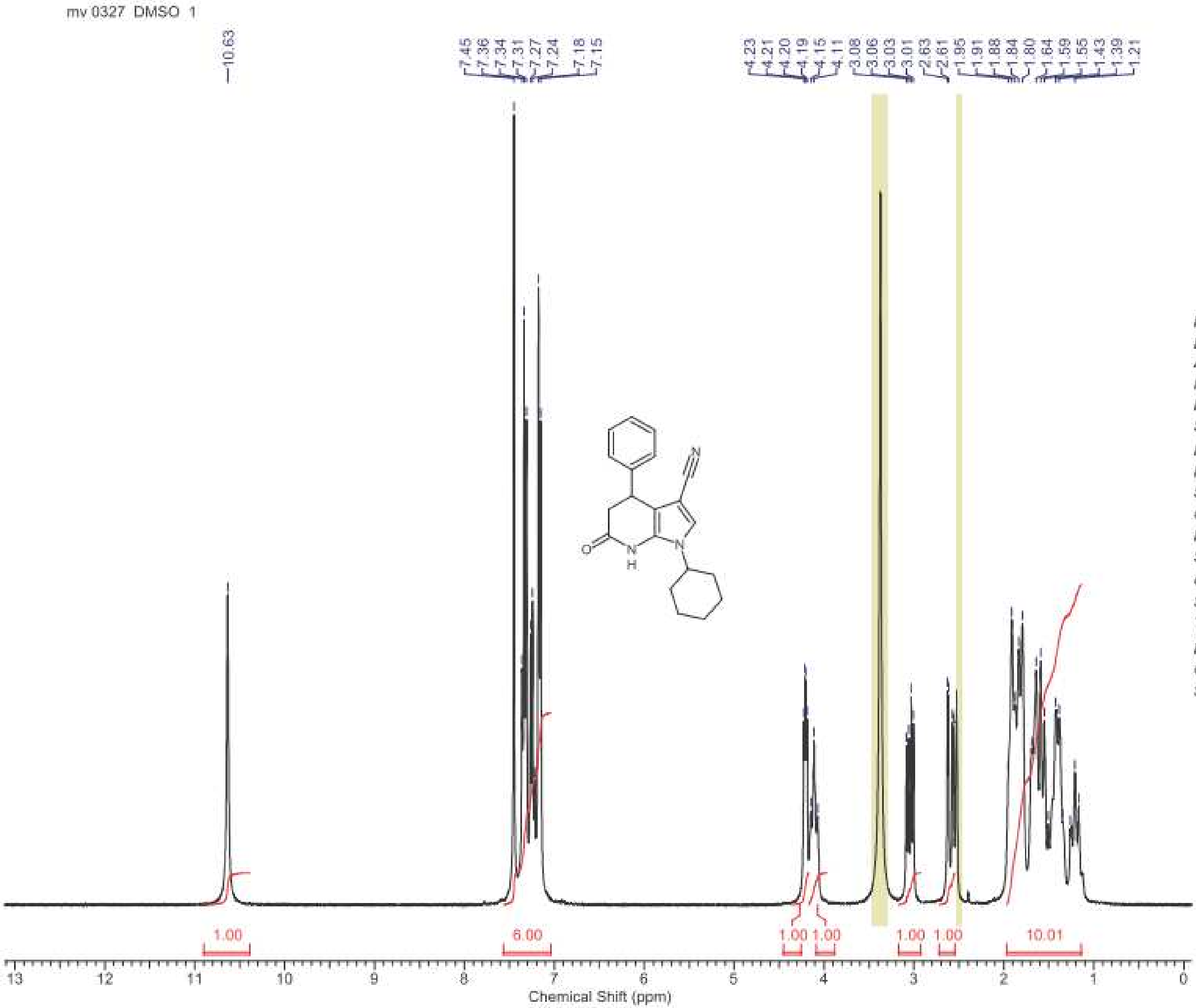


File Name	110204.u329\10\pdata\1\1r
Date	04 Feb 2011 14:24:16
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	114.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



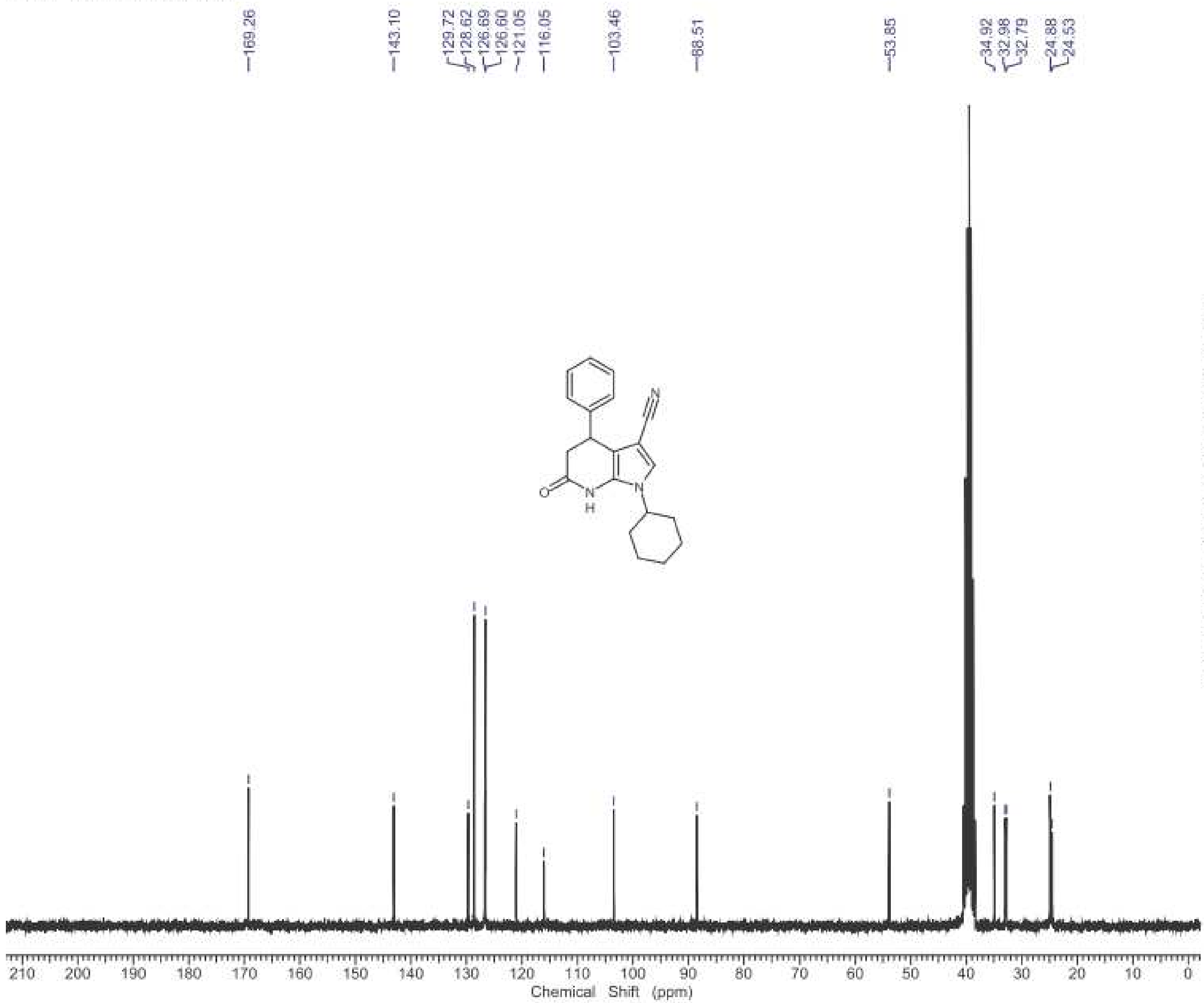
195

File Name	110207.203\10\pdata\1\1r
Date	07 Feb 2011 14:11:28
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.860
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6



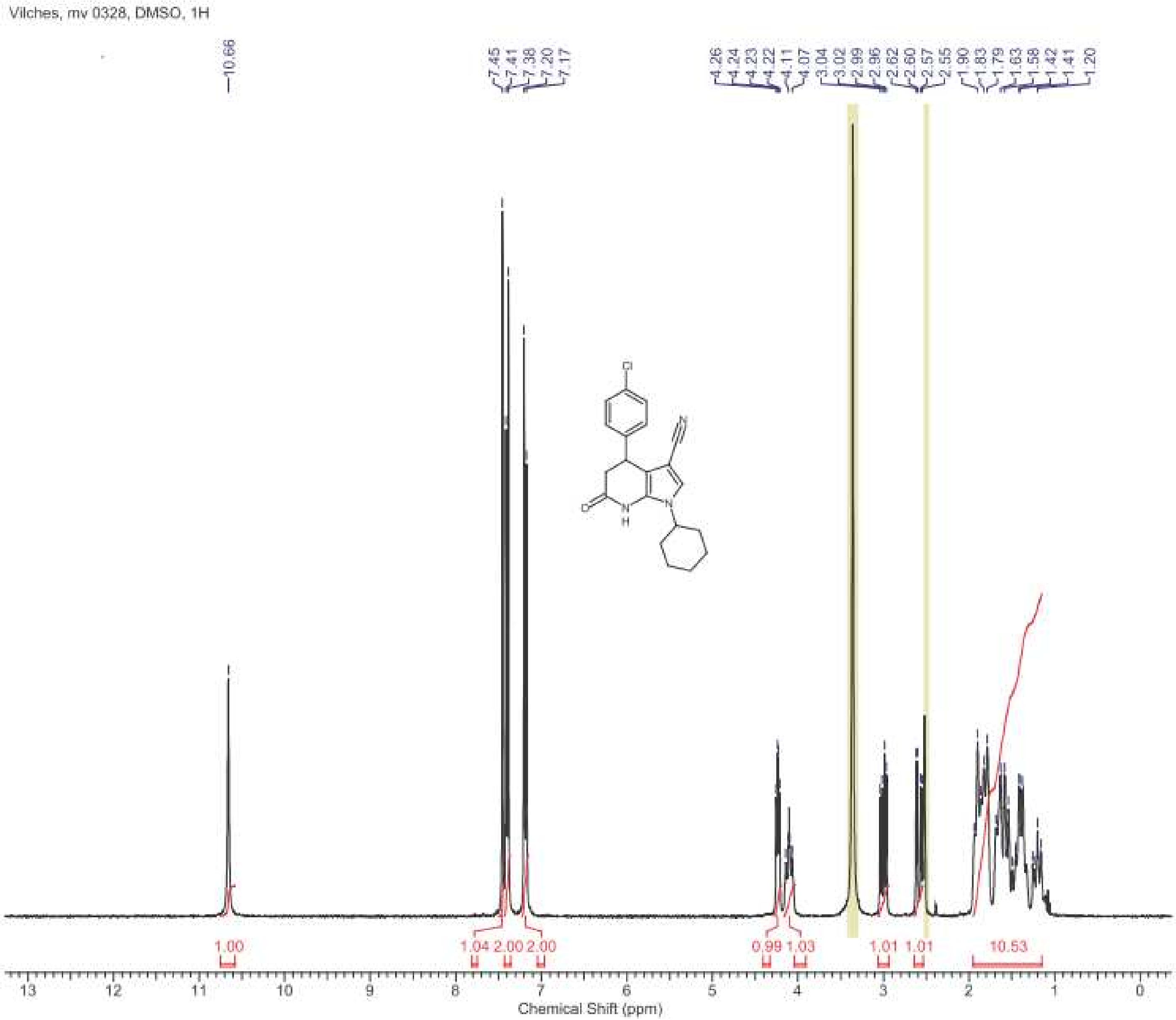
File Name	\120116.u329\10\pdata\1\1r
Date	16 2012 13:50:08
Acquisition Time (sec)	5.2953
Nucleus	1
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	50.80
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6

Vilches mv0327 13C DMSO

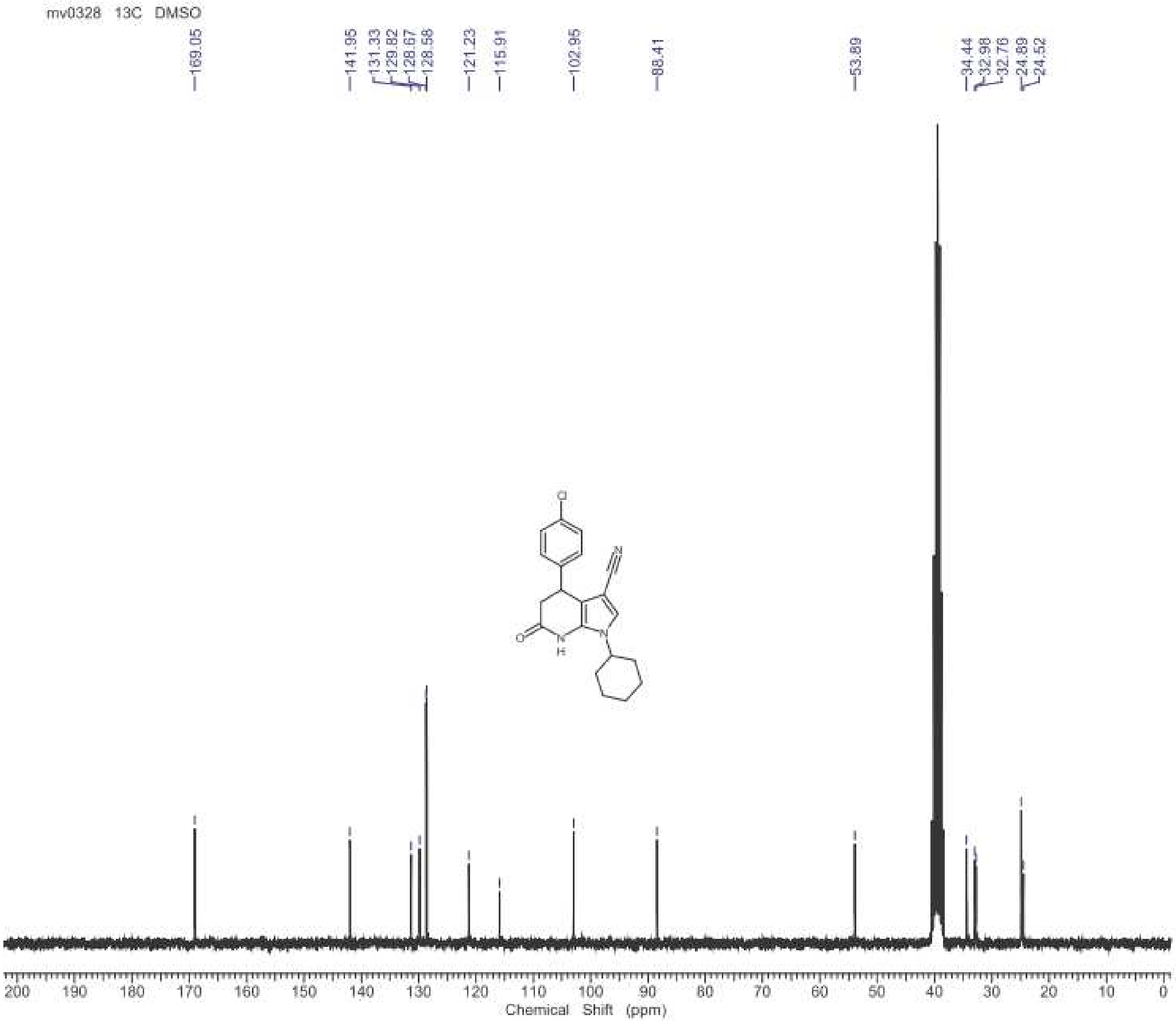


File Name	\120117.202\10\pdata\1\1r
Date	17 Jan 2012 12:50:24
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.160
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

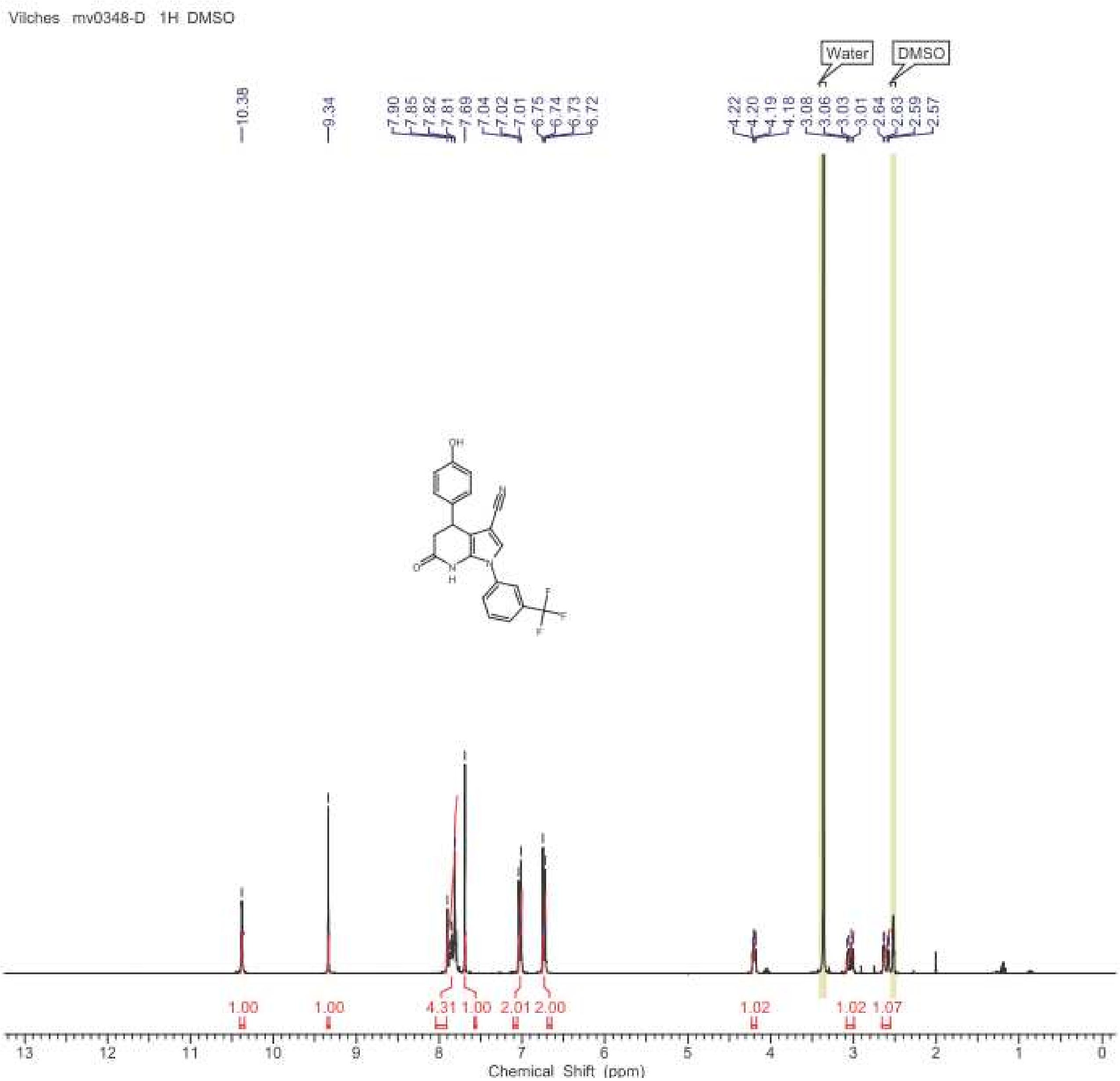
197



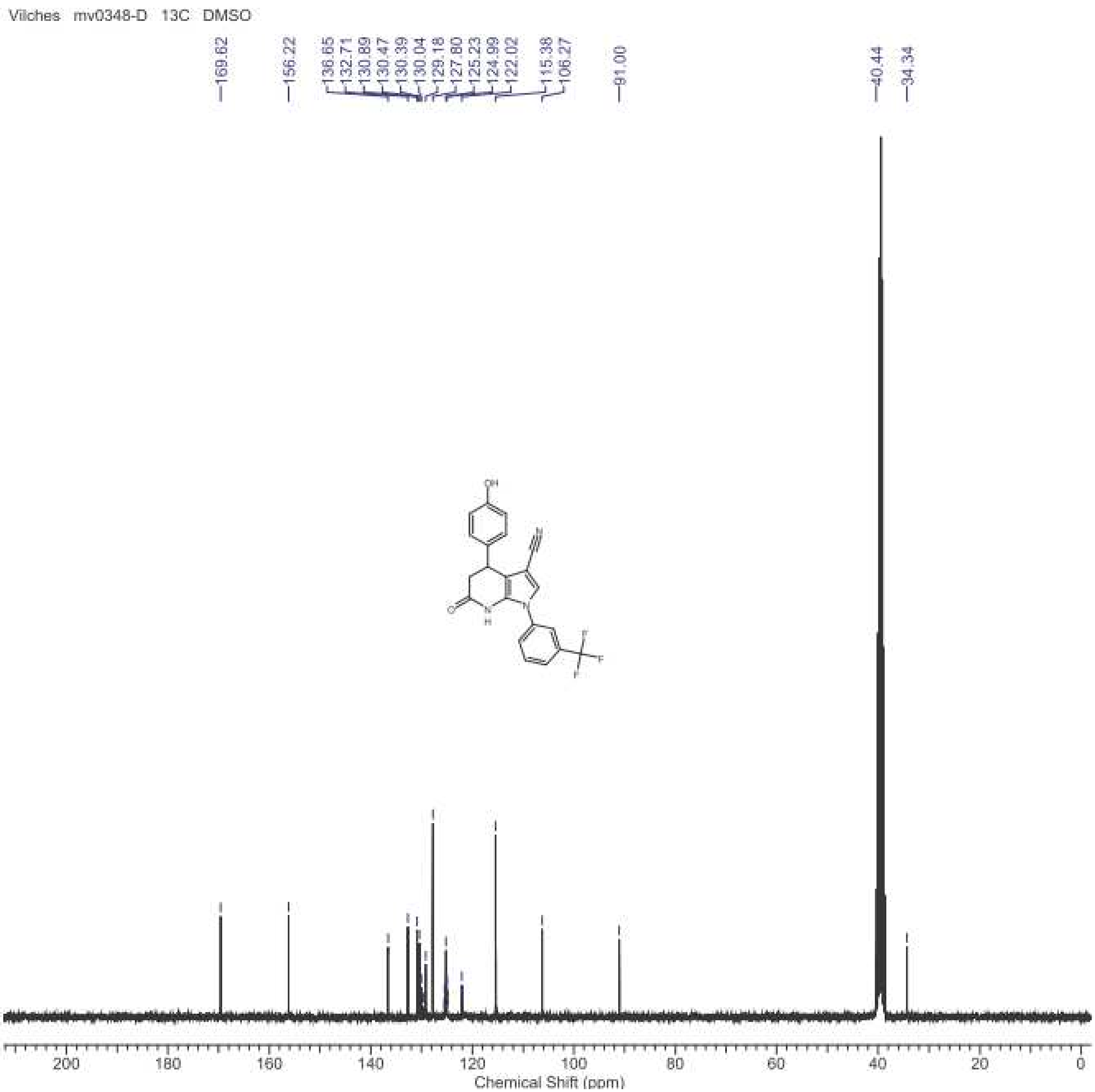
File Name	\120116.u330\10\pdata\1\1r
Date	16 Jan 2012 13:56:32
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	50.80
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



File Name	\120117.203\10\pdata\1\1r
Date	17 2012 14:11:28
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	796
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.160
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

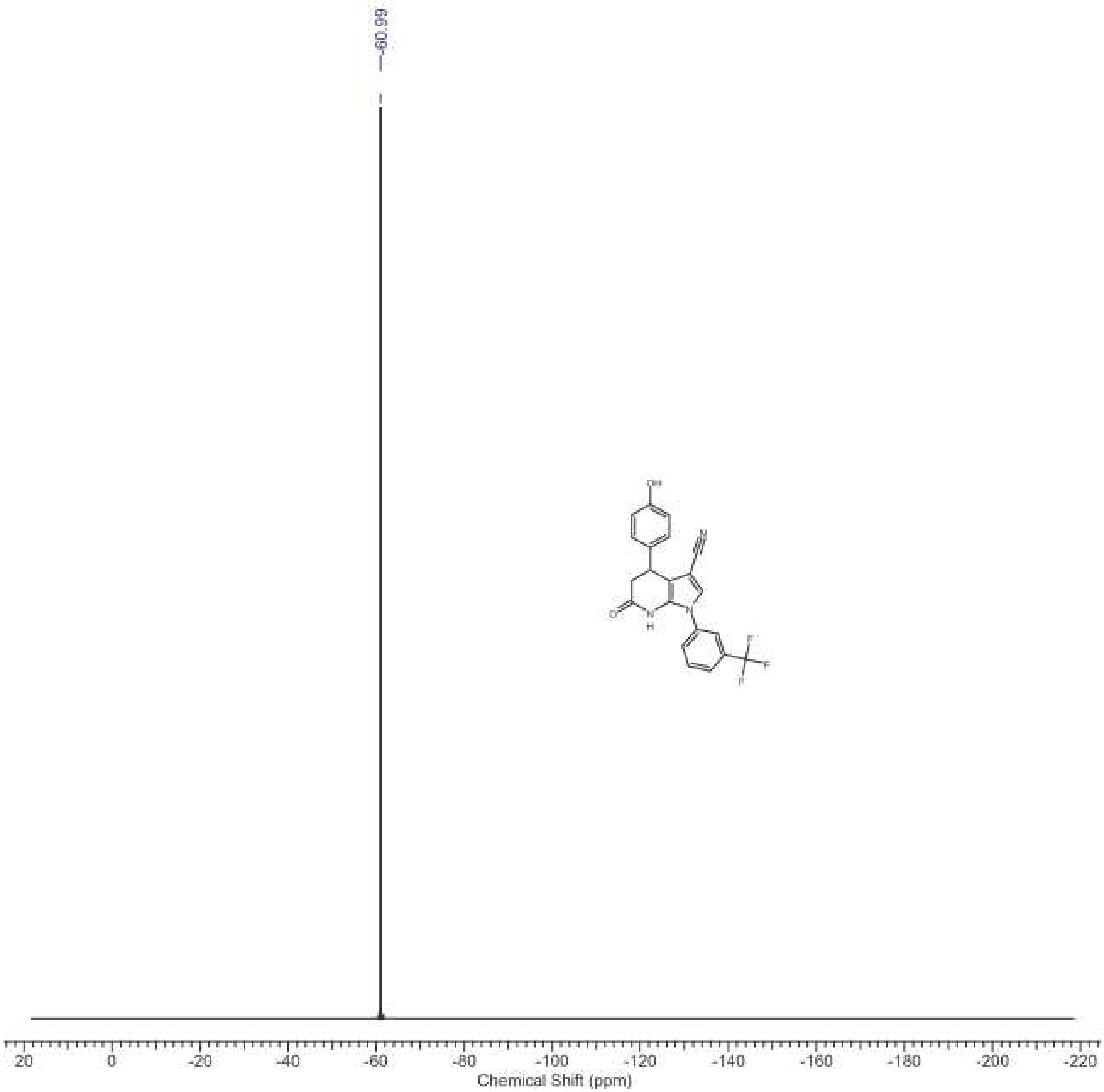


File Name	120126.u313\10\pdata\1\1r
Date	26 Jan 2012 10:53:04
Acquisition Time (sec)	5.2953
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Sweep Width (Hz)	6187.93
Number of Transients	16
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zg30
Spectrum Offset (Hz)	1853.4248
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	161.00
Spectrum Type	STANDARD



File Name	\120126.u313\12\pdata\1\1r
Acquisition Time (sec)	1.8175
Date	26 Jan 2012 23:17:36
Nucleus	13C
Owner	nmrsu
SW(cyclical) (Hz)	18028.85
Sweep Width (Hz)	18028.29
Number of Transients	1024
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	7508.5698
Frequency (MHz)	75.47
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD

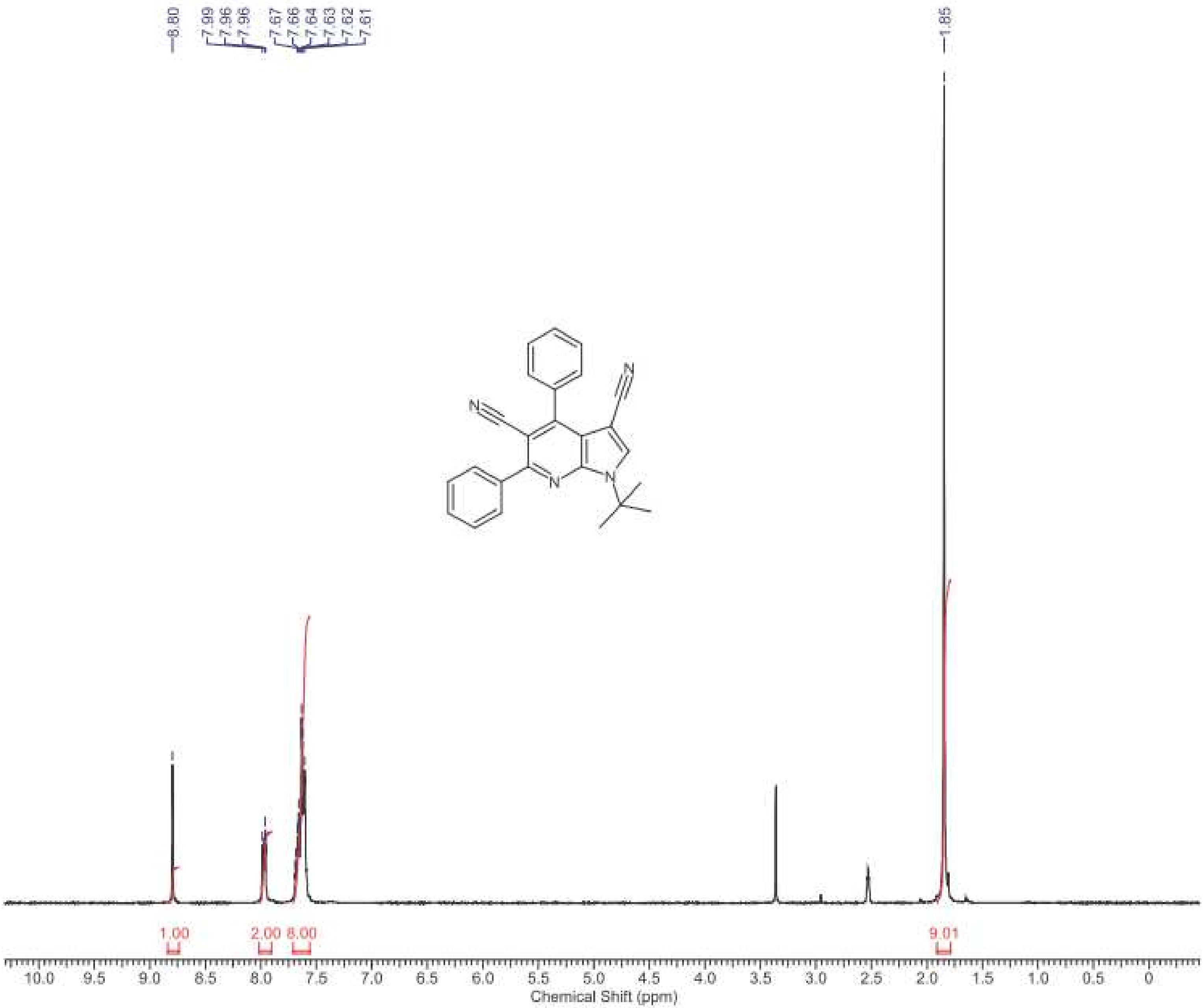
Vilches mv0348-D 19F DMSO



File Name	\120126.u313\11\pdata\1\1r
Acquisition Time (sec)	0.9787
Date	26 Jan 2012 22:09:20
Nucleus	19F
Owner	nmrsu
SW(cyclical) (Hz)	66964.29
Sweep Width (Hz)	66963.27
Number of Transients	80
Points Count	65536
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zgfhigqn
Spectrum Offset (Hz)	-28240.2227
Frequency (MHz)	282.40
Original Points Count	65536
Receiver Gain	2050.00
Spectrum Type	STANDARD

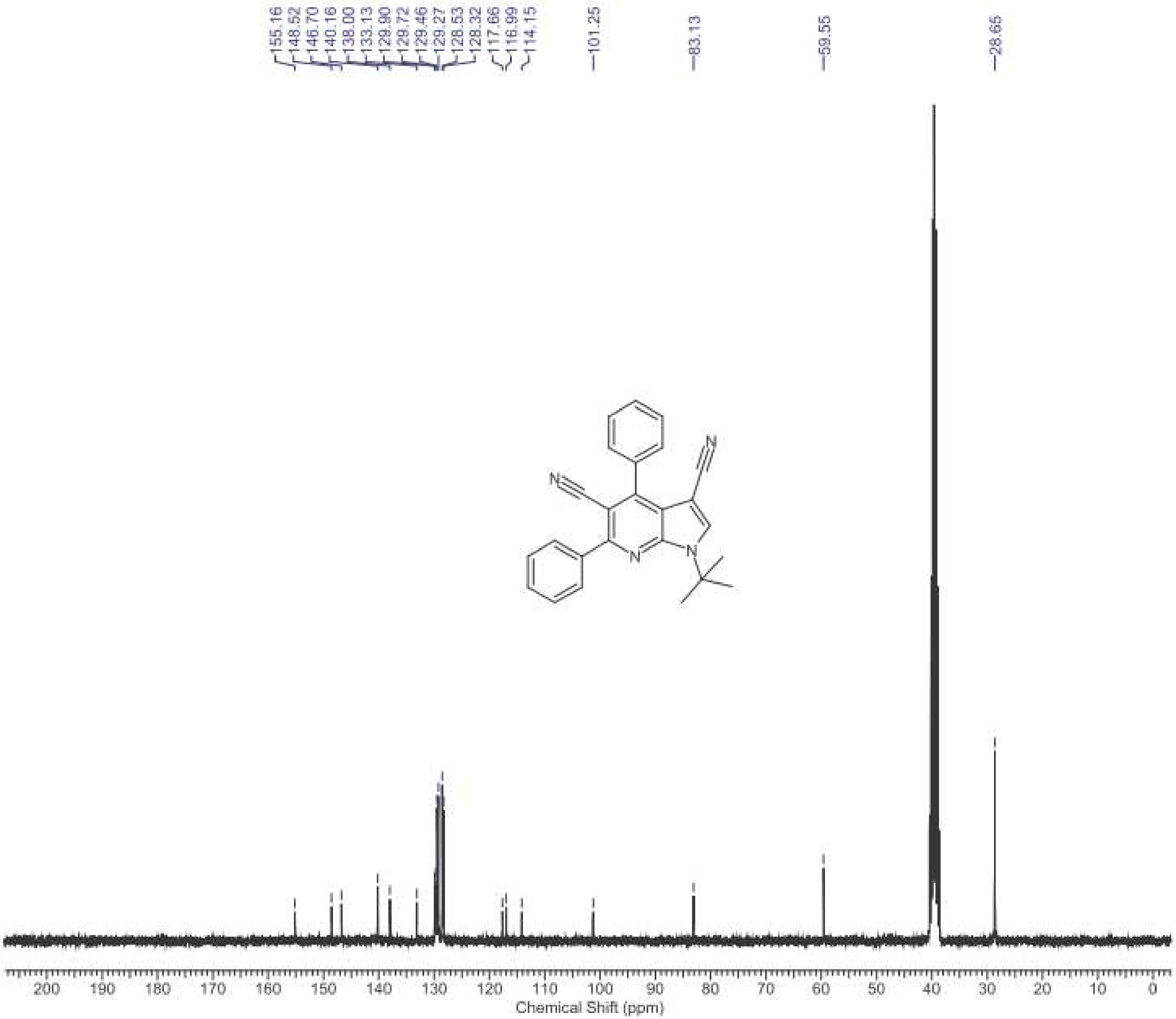
202

Vilches mv0284 1H DMSO



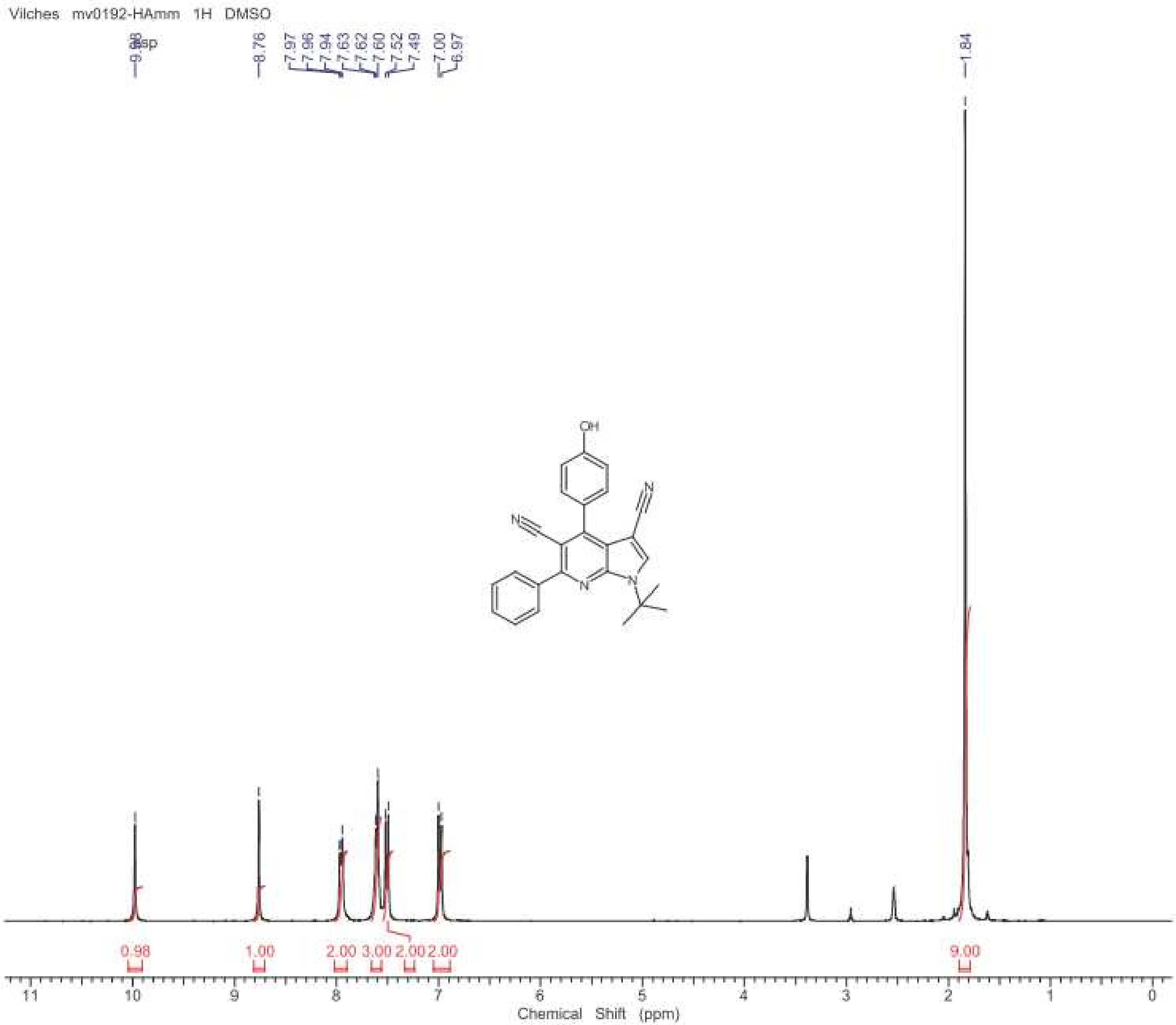
File Name	110912.u315\10\pdata\1\1r
Date	12 Sep 2011 13:50:24
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	101.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6

Vilches mv0284 13C DMSO

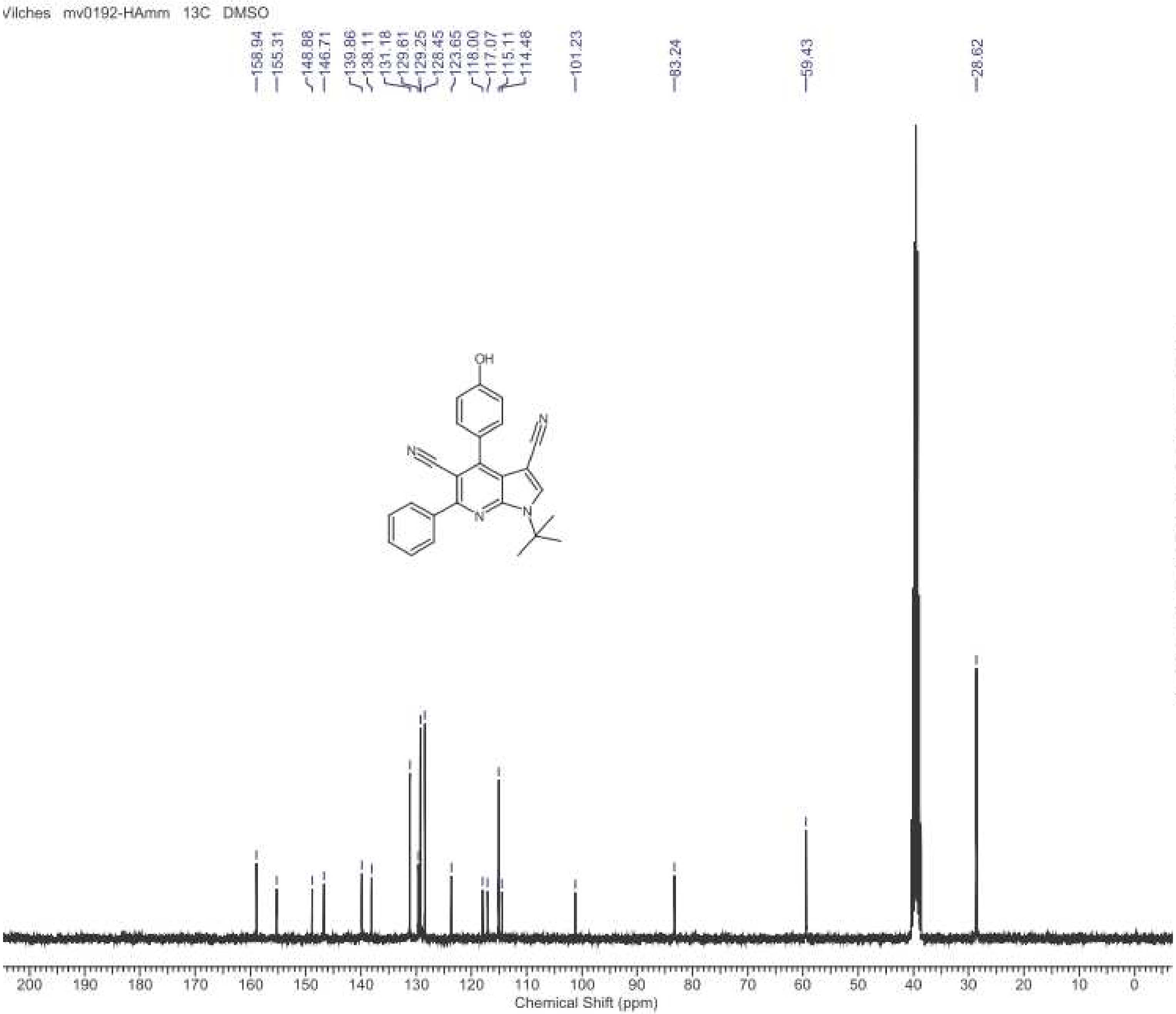


204

File Name	110912.u315\11\pdata\1\1r
Date	12 Sep 2011 19:18:56
Acquisition Time (sec)	1.8175
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	7508.5698
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	18028.29
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Temperature (degree C)	25.260
Frequency (MHz)	75.47
Owner	nmrsu
Solvent	DMSO-d6

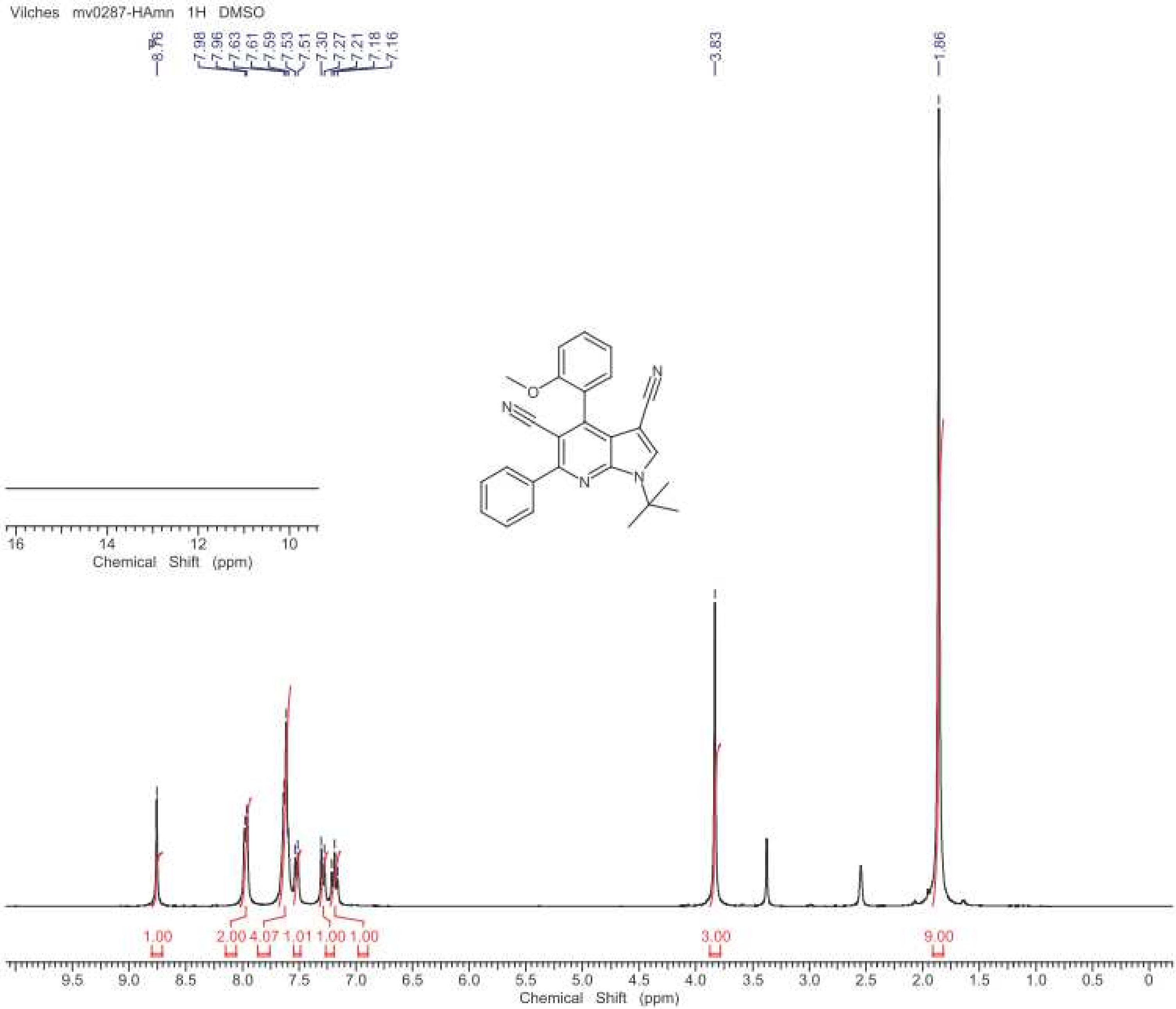


File Name	110906.u323\10\pdata\1\1r
Date	06 Sep 2011 12:57:04
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	101.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



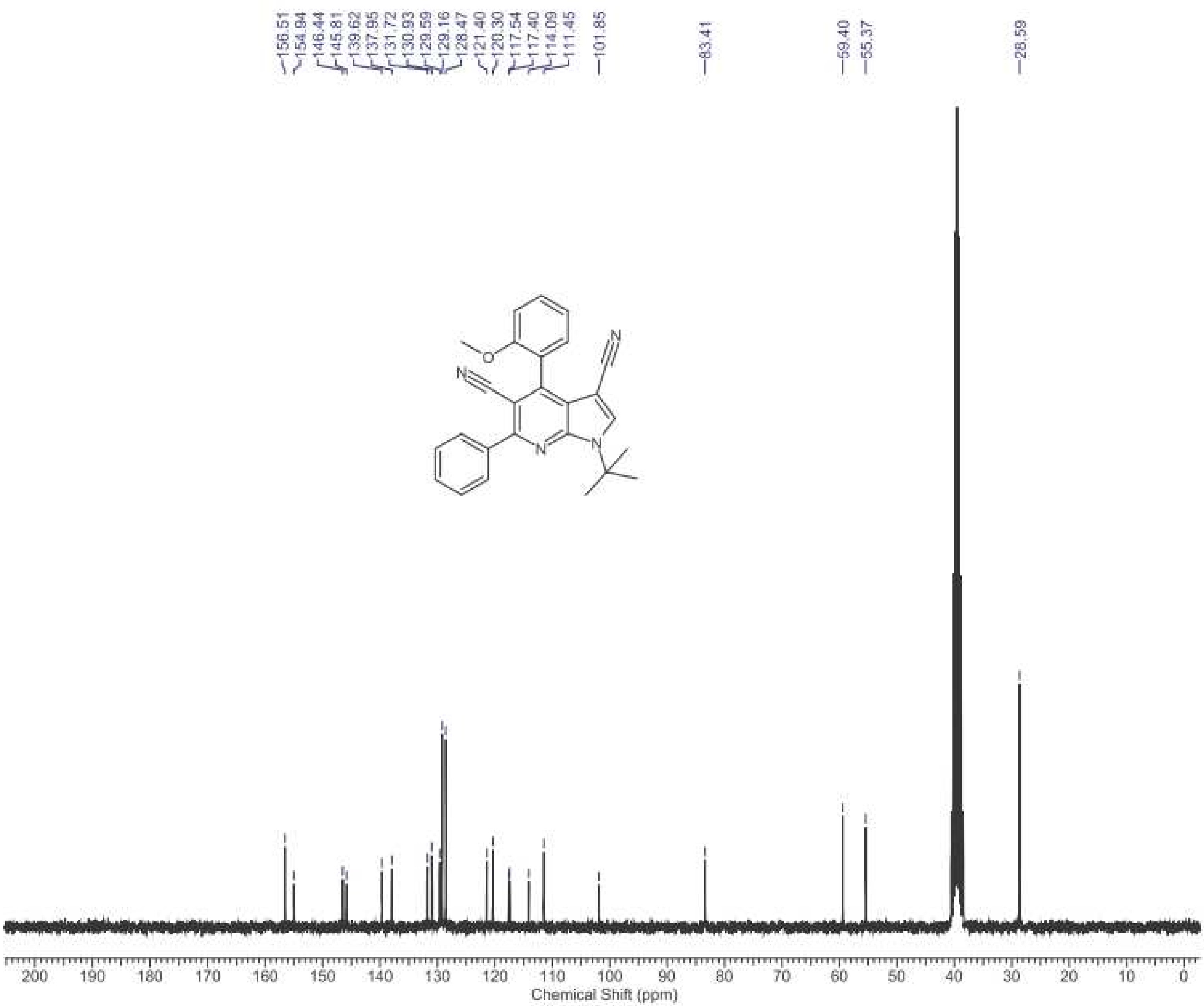
206

File Name	110906.u323\11\pdata\1\1r
Date	07 Sep 2011 05:07:44
Acquisition Time (sec)	1.8175
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	7508.5698
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	18028.29
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Temperature (degree C)	25.160
Frequency (MHz)	75.47
Owner	nmrsu
Solvent	DMSO-d6

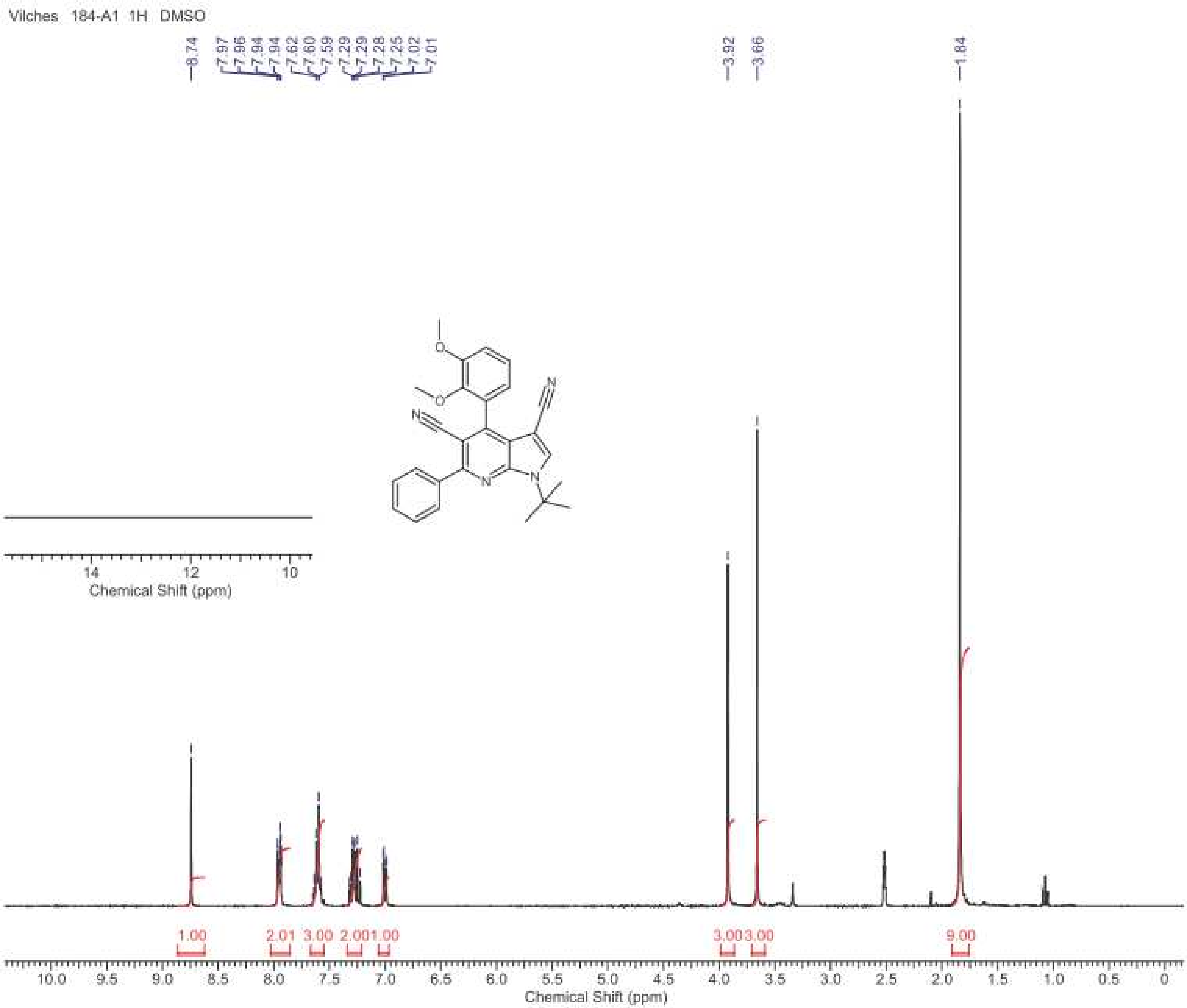


File Name	110906.u326\10\pdata\1\1r
Date	06 Sep 2011 13:14:08
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	101.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6

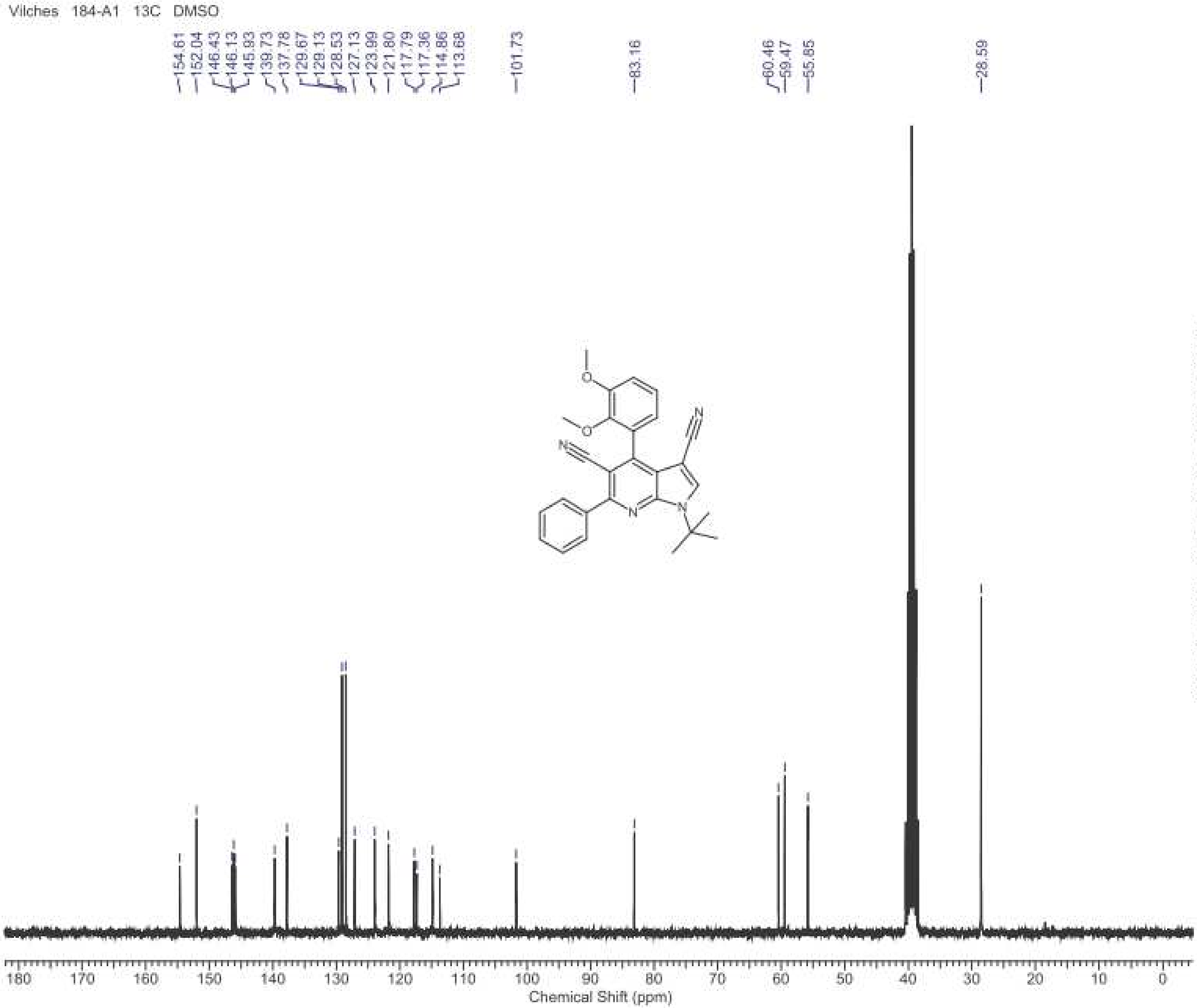
Vilches mv0287HAmn 13C DMSO



File Name	110907.203\10\pdata\1\1r
Date	07 Sep 2011 14:24:32
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.260
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6



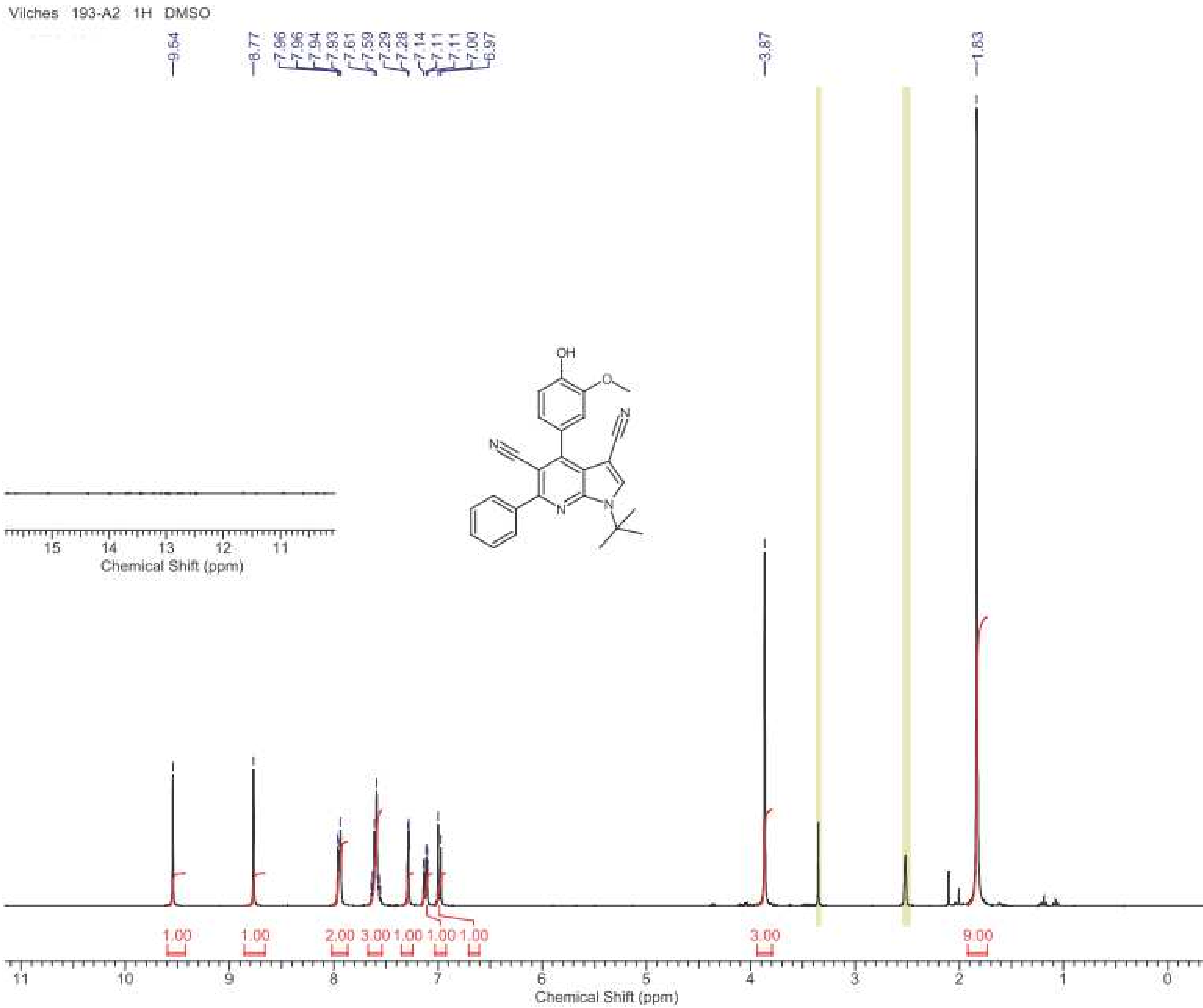
File Name	110303.u319\10\pdata\1\1r
Date	03 Mar 2011 12:39:44
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	114.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



210

File Name	110304.216\10\pdata\1\1r
Date	05 Mar 2011 16:57:52
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	25.360
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

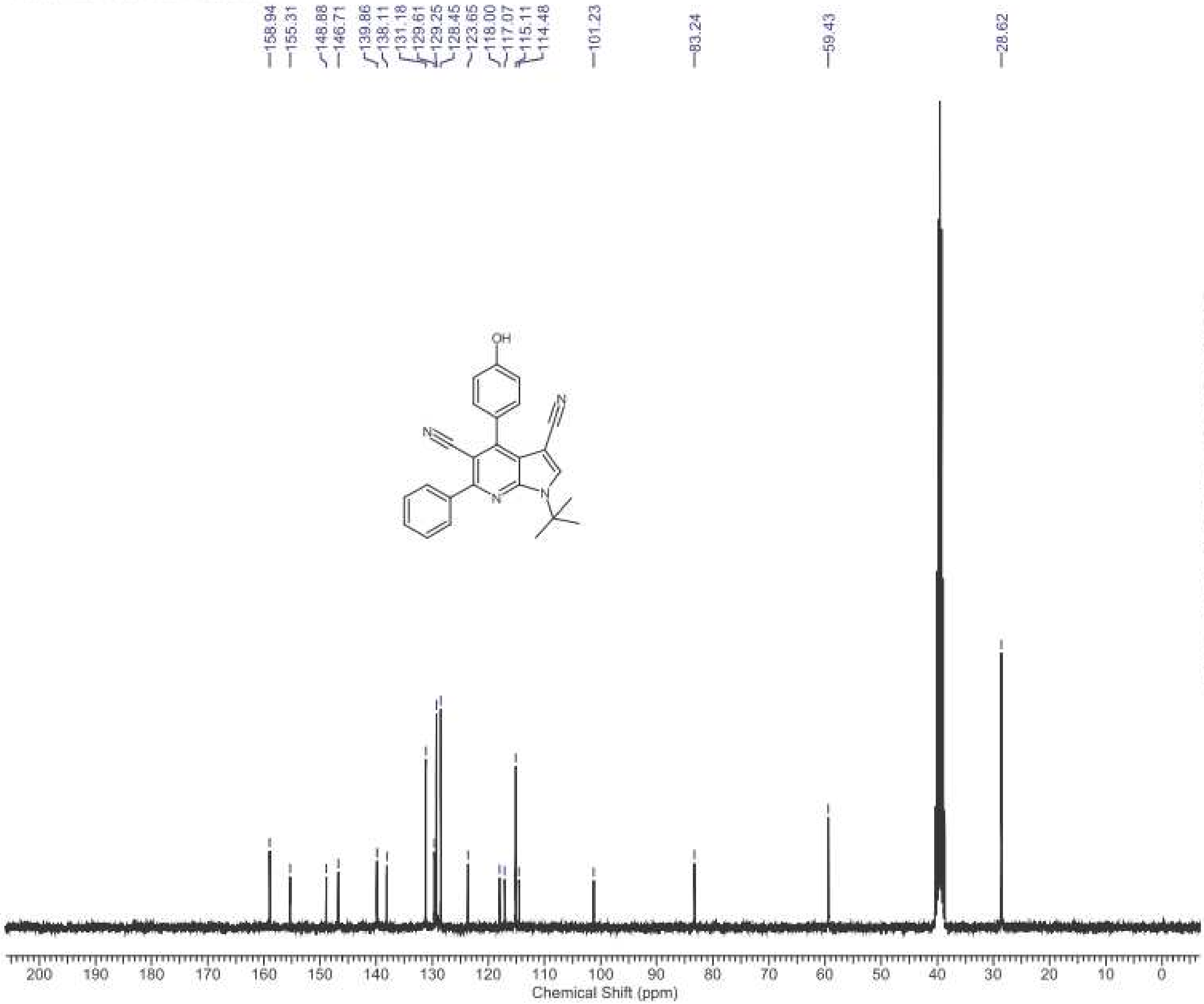
0



File Name	110316.u314\10\pdata\1\1r
Date	16 Mar 2011 10:25:20
Acquisition Time (sec)	5.2953
Nucleus	
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	128.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6

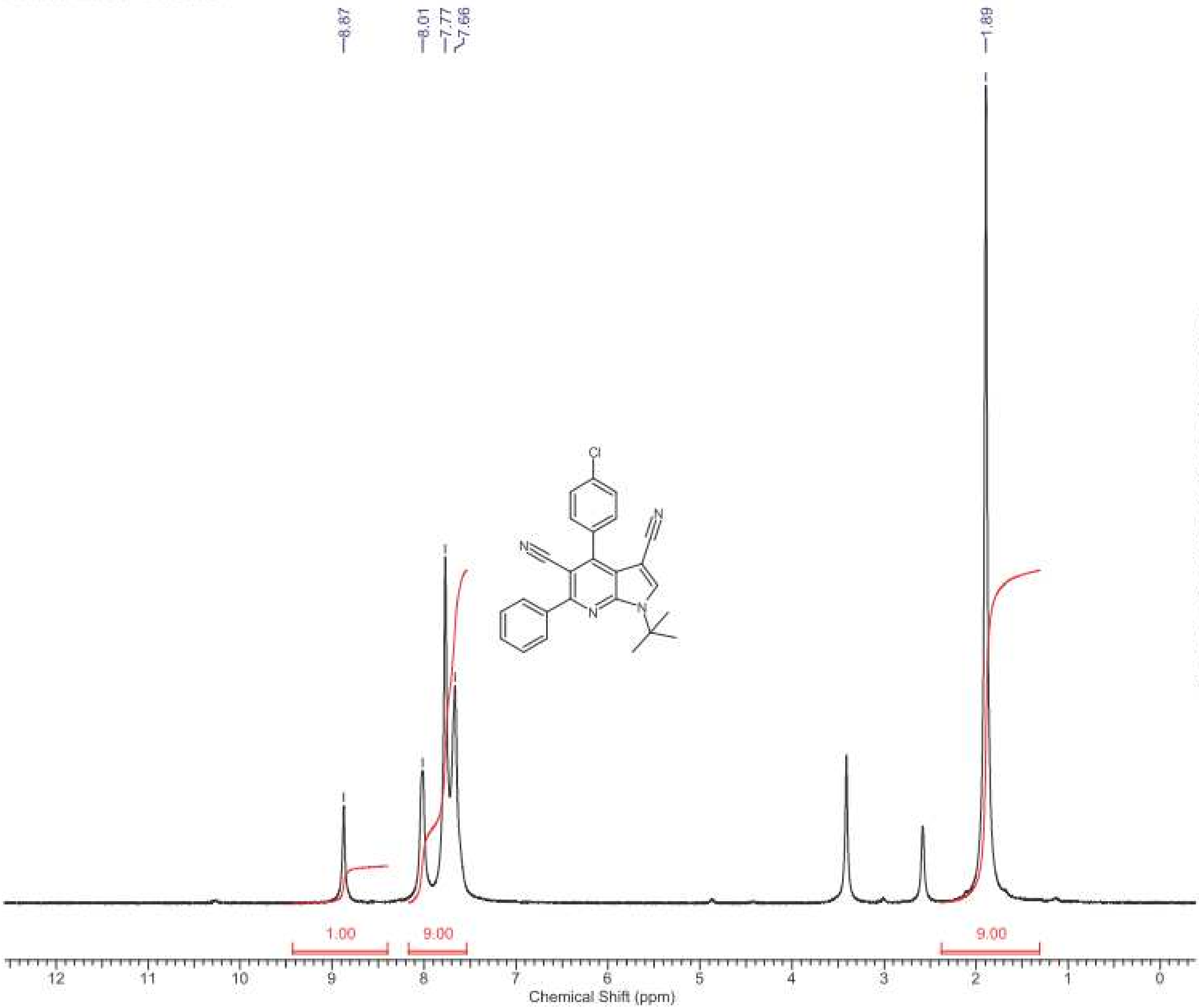
212

Vilches mv0192-HAmm 13C DMSO

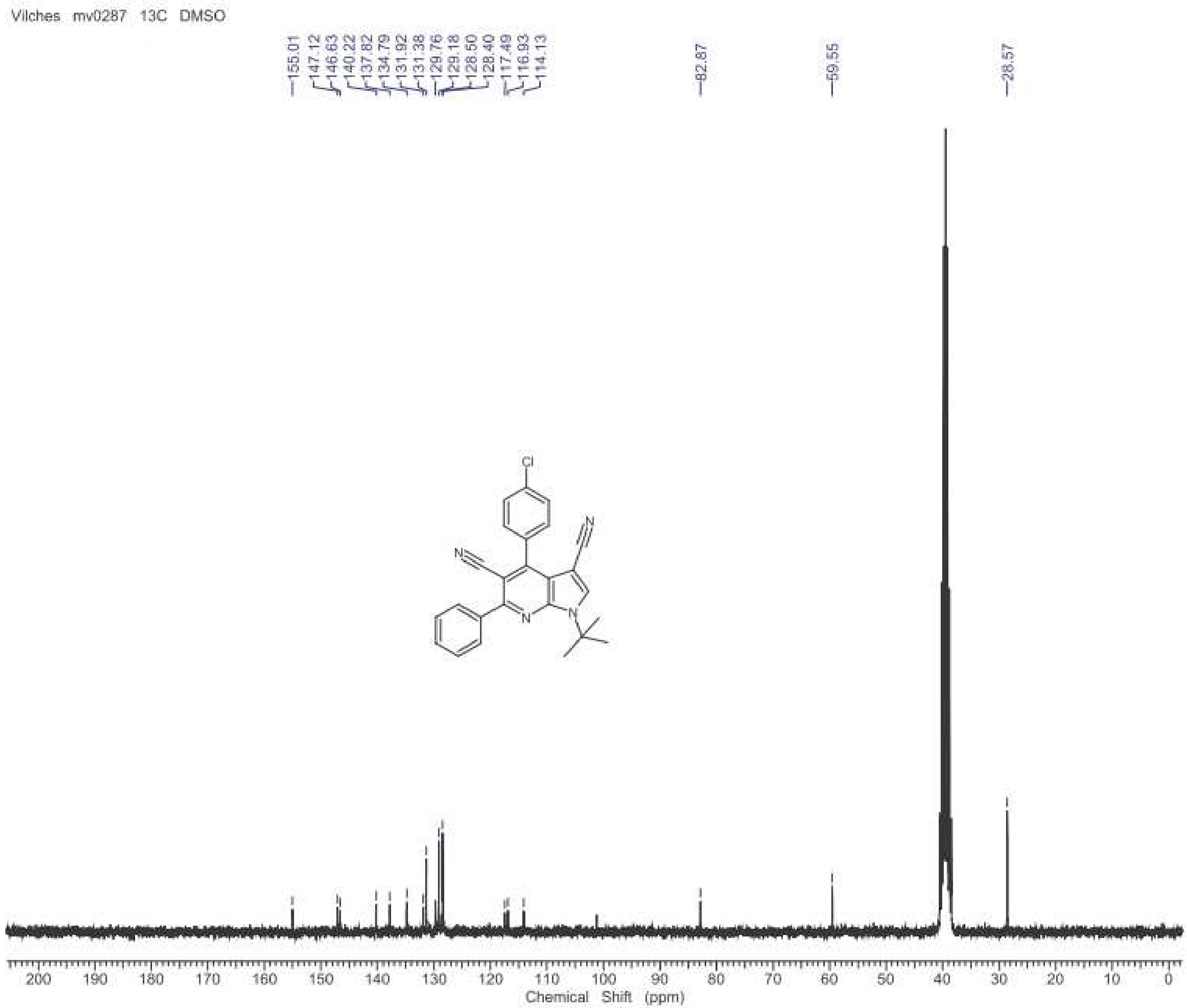


File Name	110906.u323\11\pdata\1\1r
Date	07 Sep 2011 05:07:44
Acquisition Time (sec)	1.8175
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	7508.5698
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	18028.29
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Temperature (degree C)	25.160
Frequency (MHz)	75.47
Owner	nmrsu
Solvent	DMSO-d6

Vilches mv0287 1H DMSO

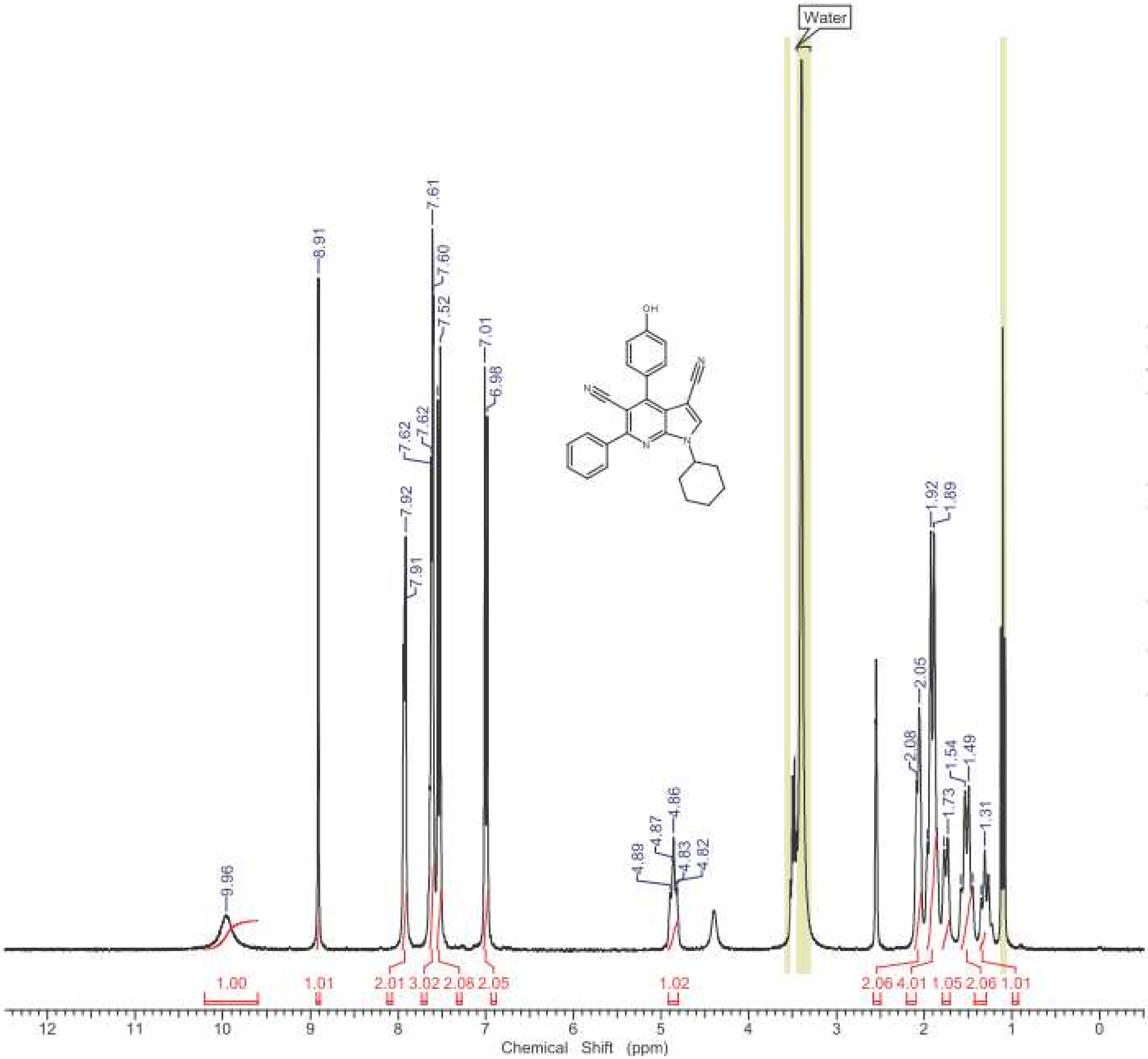


File Name	110922.u309\10\pdata\1\1r
Date	22 Sep 2011 09:53:36
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	114.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	24.360
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6



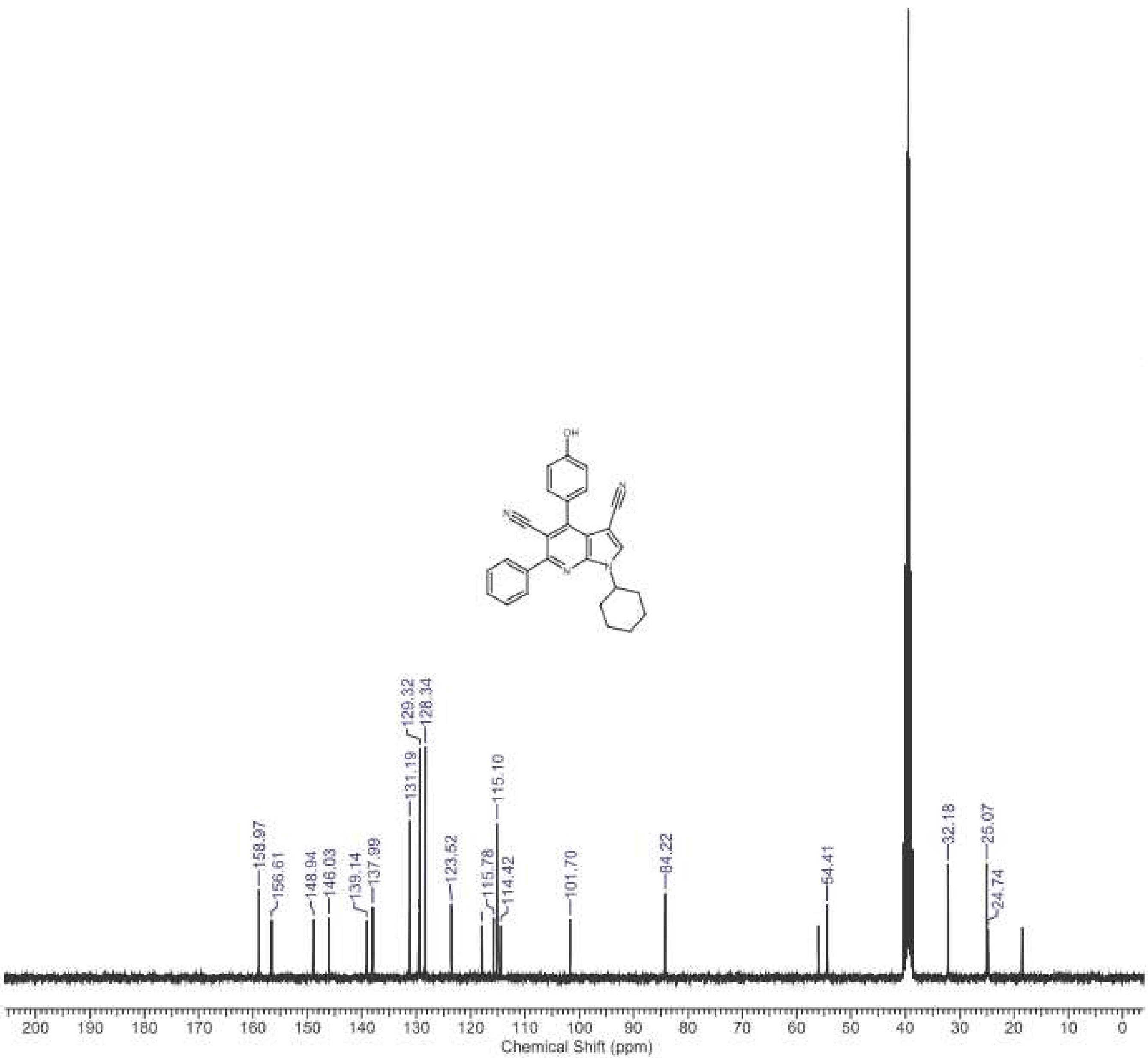
File Name	110922.210\10\pdata\1\1r
Date	23 Sep 2011 03:48:48
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.660
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

Vilches mv0347-HAc 1H DMSO

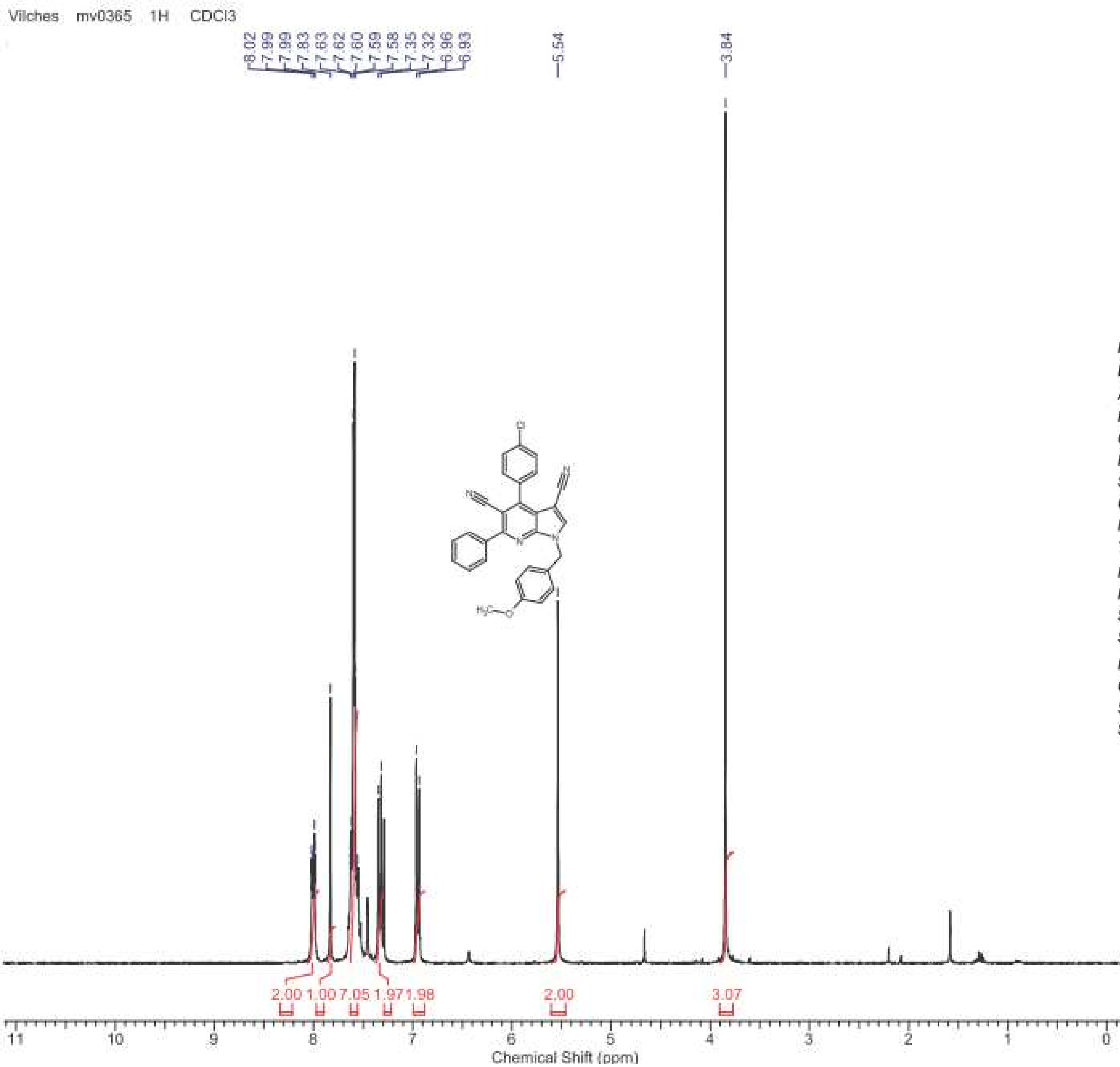


File Name	120203.u318\10\pdata\1\1r
Date	03 Feb 2012 13:18:08
Acquisition Time (sec)	5.2953
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Sweep Width (Hz)	6187.93
Number of Transients	16
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zg30
Spectrum Offset (Hz)	1860.0996
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	50.80
Spectrum Type	STANDARD

Vilches mv0347-HAc 13C DMSO

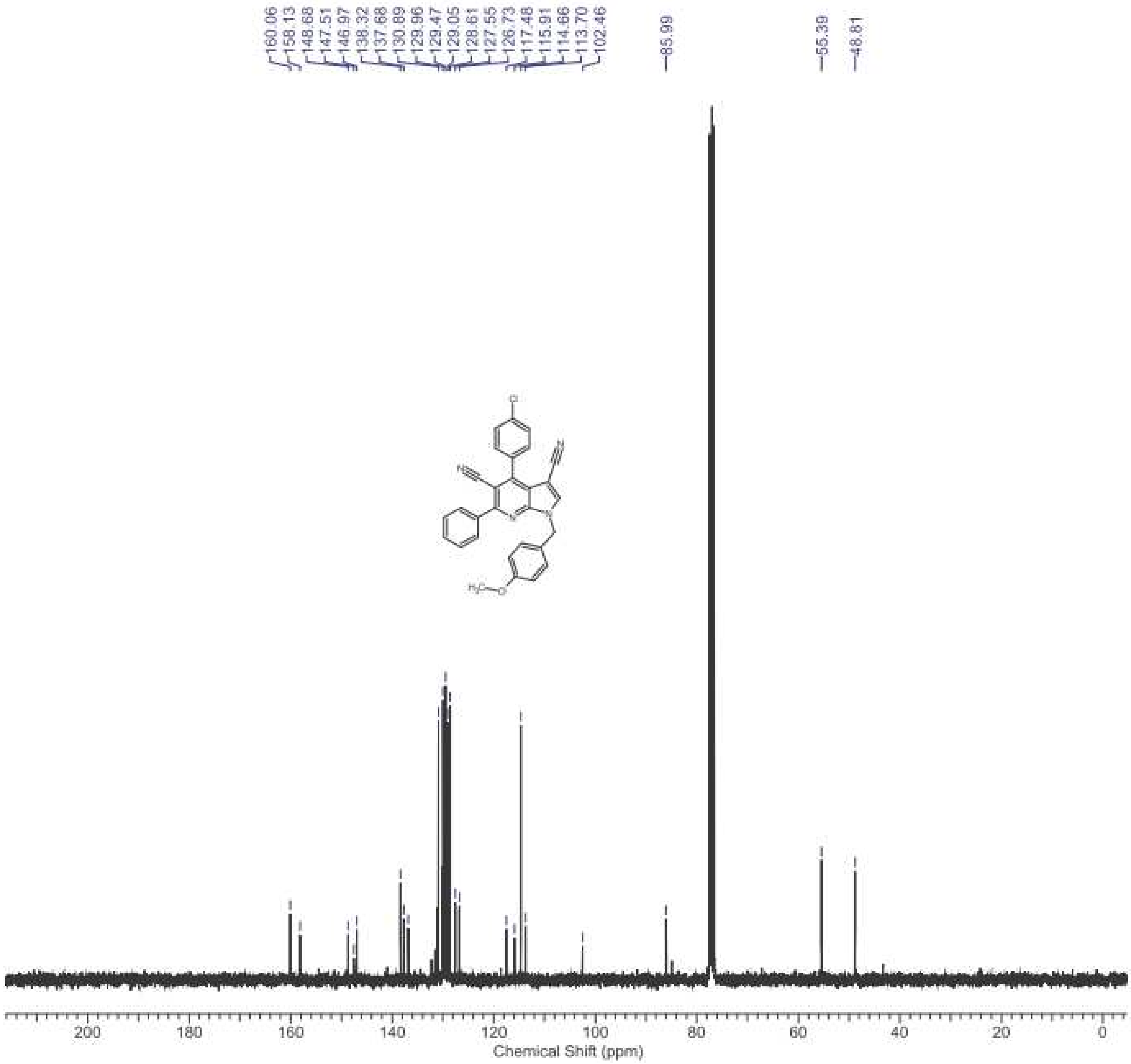


File Name	\120203.u318\11\pdata\1\1r
Date	04 Feb 2012 16:30:08
Acquisition Time (sec)	1.8175
Nucleus	13C
Owner	nmrsu
SW(cyclical) (Hz)	18028.85
Sweep Width (Hz)	18028.29
Number of Transients	1024
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	7508.5698
Frequency (MHz)	75.47
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD



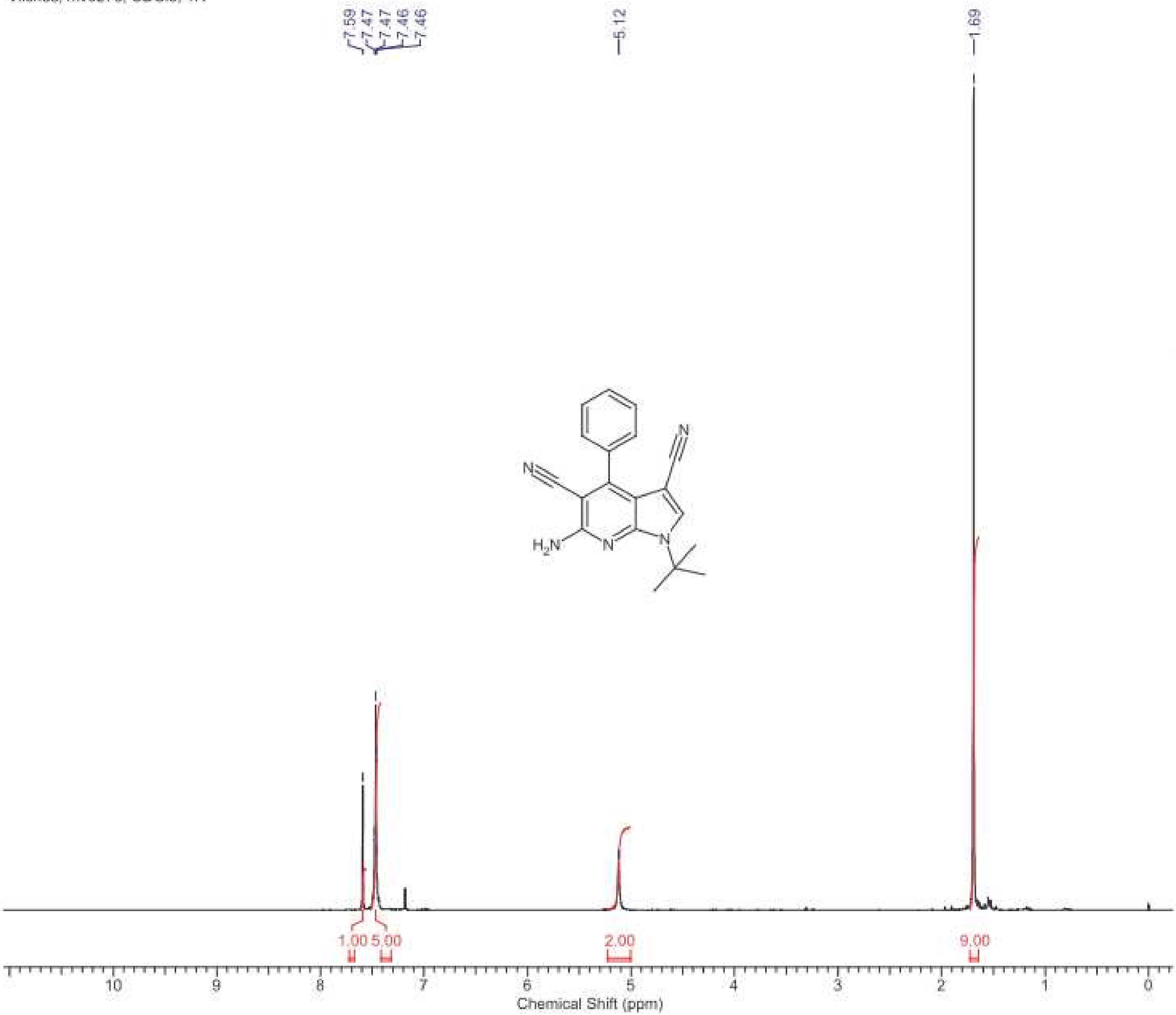
File Name	\120213.u312\10\pdata\1\1r
Date	13 Feb 2012 10:57:20
Acquisition Time (sec)	5.2953
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	228.00
Spectrum Offset (Hz)	1853.4248
Origin	spect
Pulse Sequence	zg30
Temperature (degree C)	25.160
Number of Transients	16
Points Count	32768
Solvent	CHLOROFORM-d
Sweep Width (Hz)	6187.93
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Spectrum Type	STANDARD

Vilches mv0365 13C CDCl3

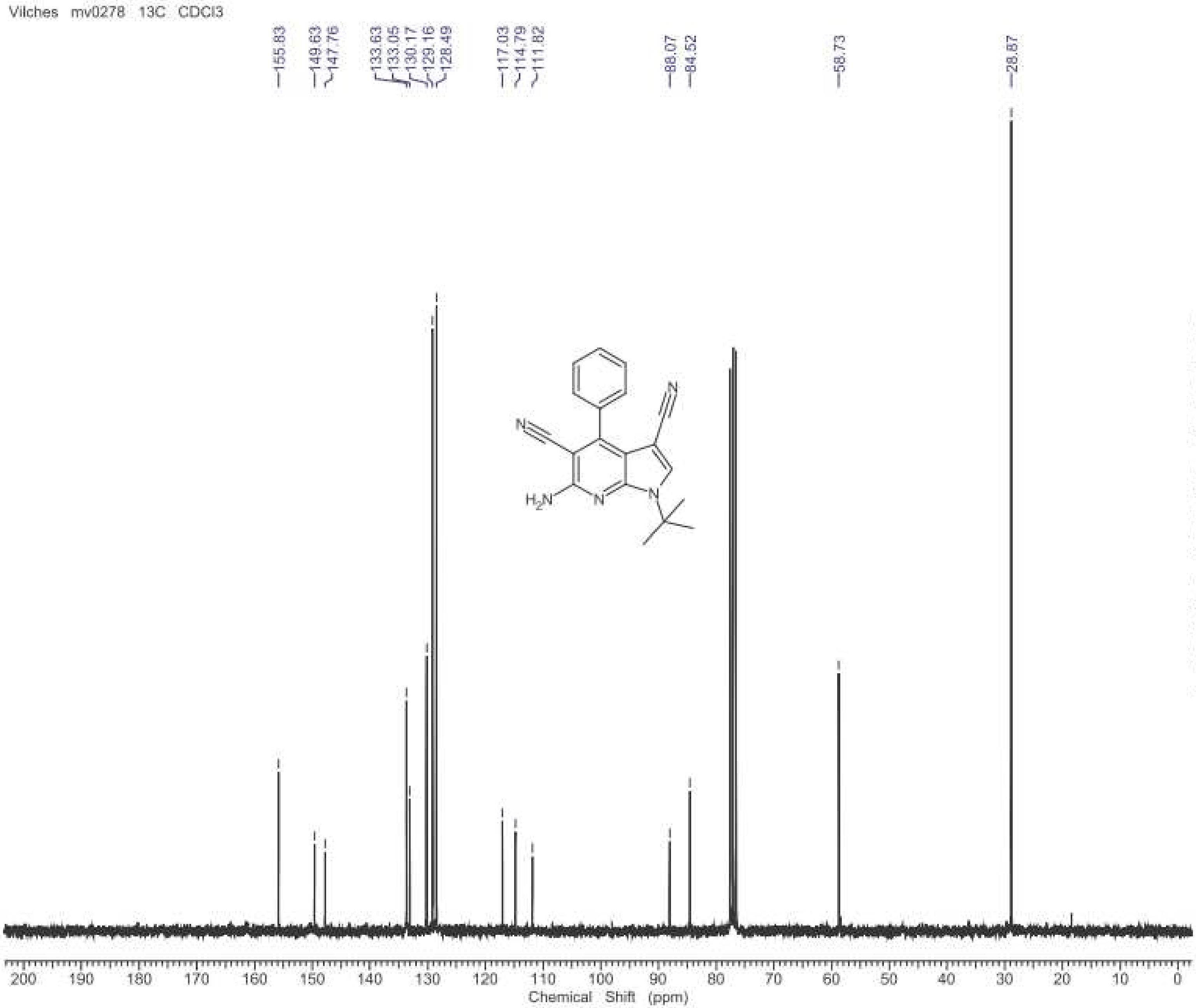


File Name	\120213.u312\11\pdata\1\1r
Date	14 Feb 2012 05:20:16
Acquisition Time (sec)	1.8175
Frequency (MHz)	75.47
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Offset (Hz)	7546.3032
Origin	spect
Pulse Sequence	zgpg30
Temperature (degree C)	25.160
Number of Transients	1024
Points Count	32768
Solvent	CHLOROFORM-d
Sweep Width (Hz)	18028.29
Nucleus	13C
Owner	nmrsu
SW(cyclical) (Hz)	18028.85
Spectrum Type	STANDARD

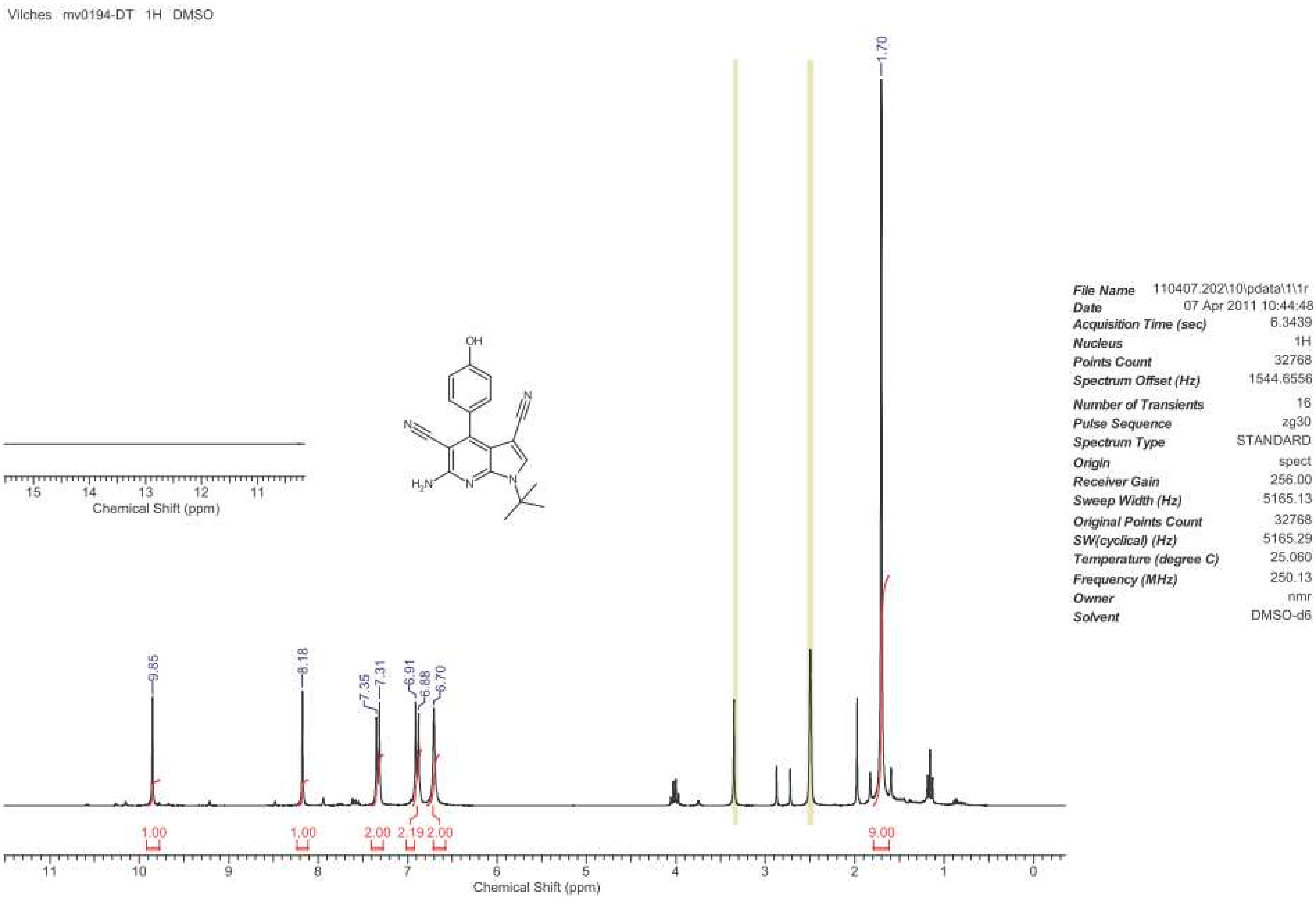
Vilches, mv0278, CDCl3, 1H



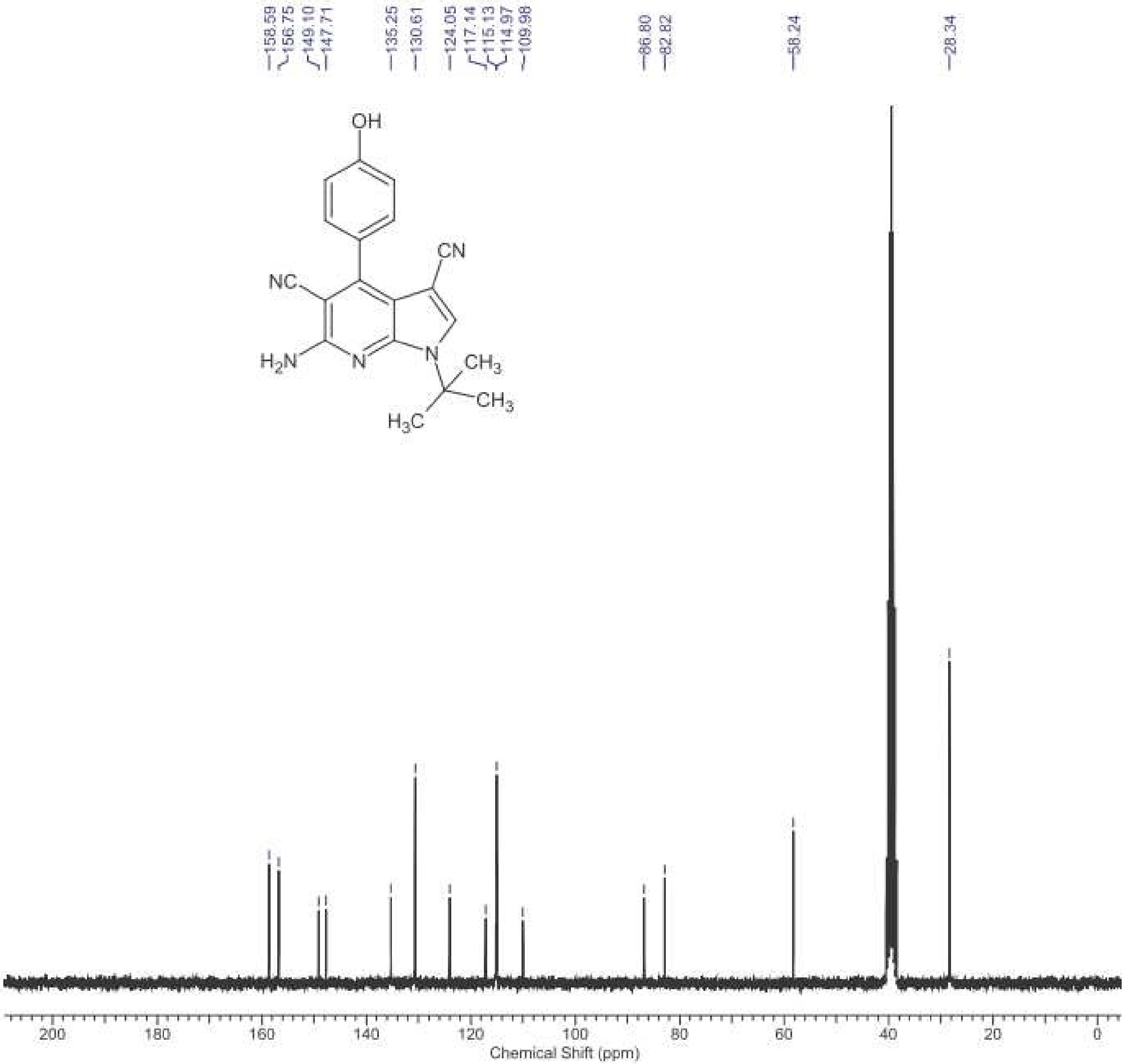
File Name	110823.u335\10\pdata\1\1r
Date	23 Aug 2011 15:05:04
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1820.4739
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	101.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	25.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d



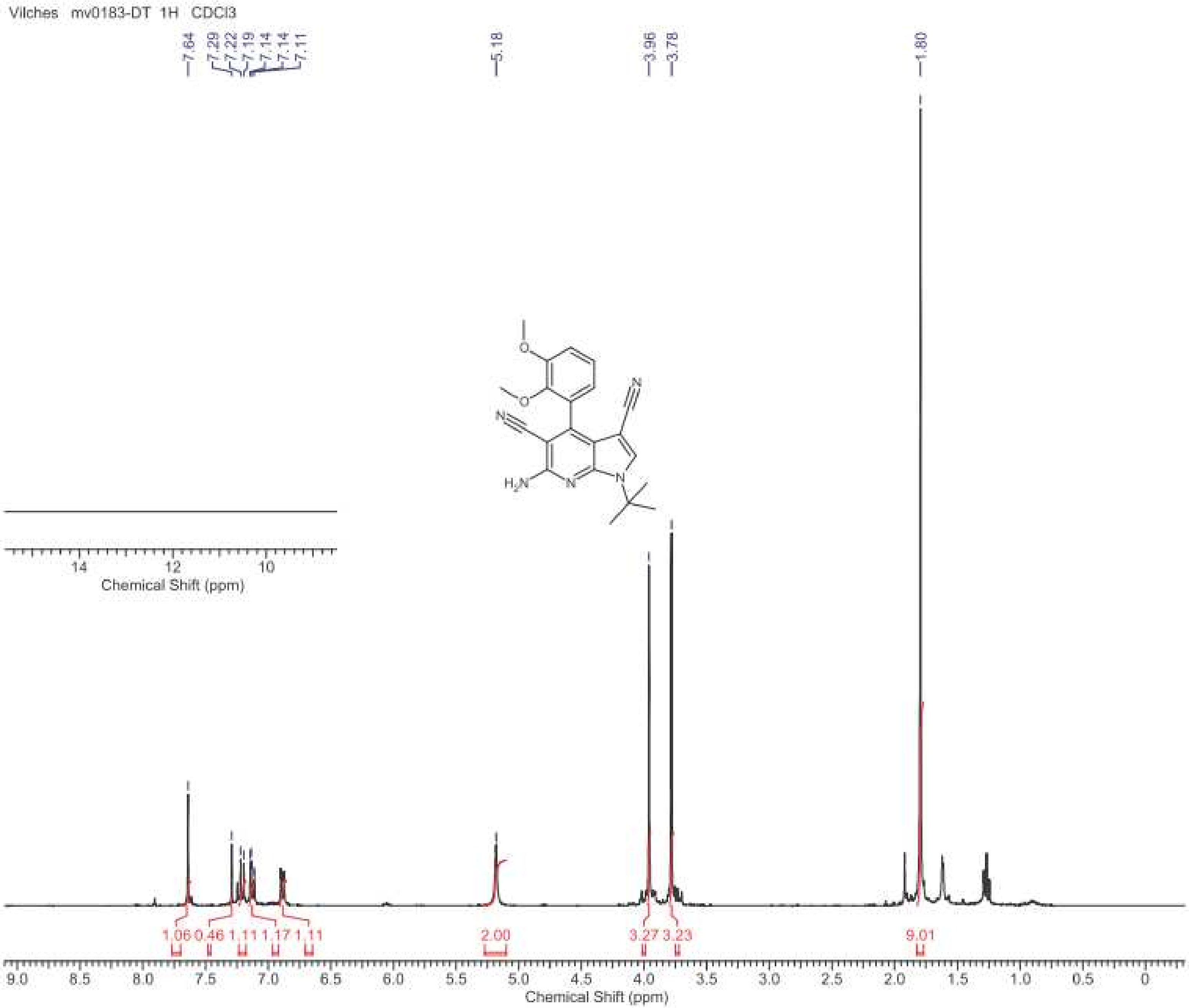
File Name	110824.201\10\pdata\1\1r
Date	24 Aug 2011 09:23:44
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.060
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	6289.0522
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Spectrum Type	STANDARD
Frequency (MHz)	62.90
Owner	nmr
Sweep Width (Hz)	14999.54


Vilches mv0194-DT 1H DMSO
OH
N
N
H2N
N
N
1.70
9.85
8.18
7.35
7.31
6.91
6.88
6.70
1.00
1.00
2.00
2.19
2.00
9.00
Chemical Shift (ppm)
Chemical Shift (ppm)
File Name 110407.202\10\pdata\1\1r
Date 07 Apr 2011 10:44:48
Acquisition Time (sec) 6.3439
Nucleus 1H
Points Count 32768
Spectrum Offset (Hz) 1544.6556
Number of Transients 16
Pulse Sequence zg30
Spectrum Type STANDARD
Origin spect
Receiver Gain 256.00
Sweep Width (Hz) 5165.13
Original Points Count 32768
SW(cyclical) (Hz) 5165.29
Temperature (degree C) 25.060
Frequency (MHz) 250.13
Owner nmr
Solvent DMSO-d6

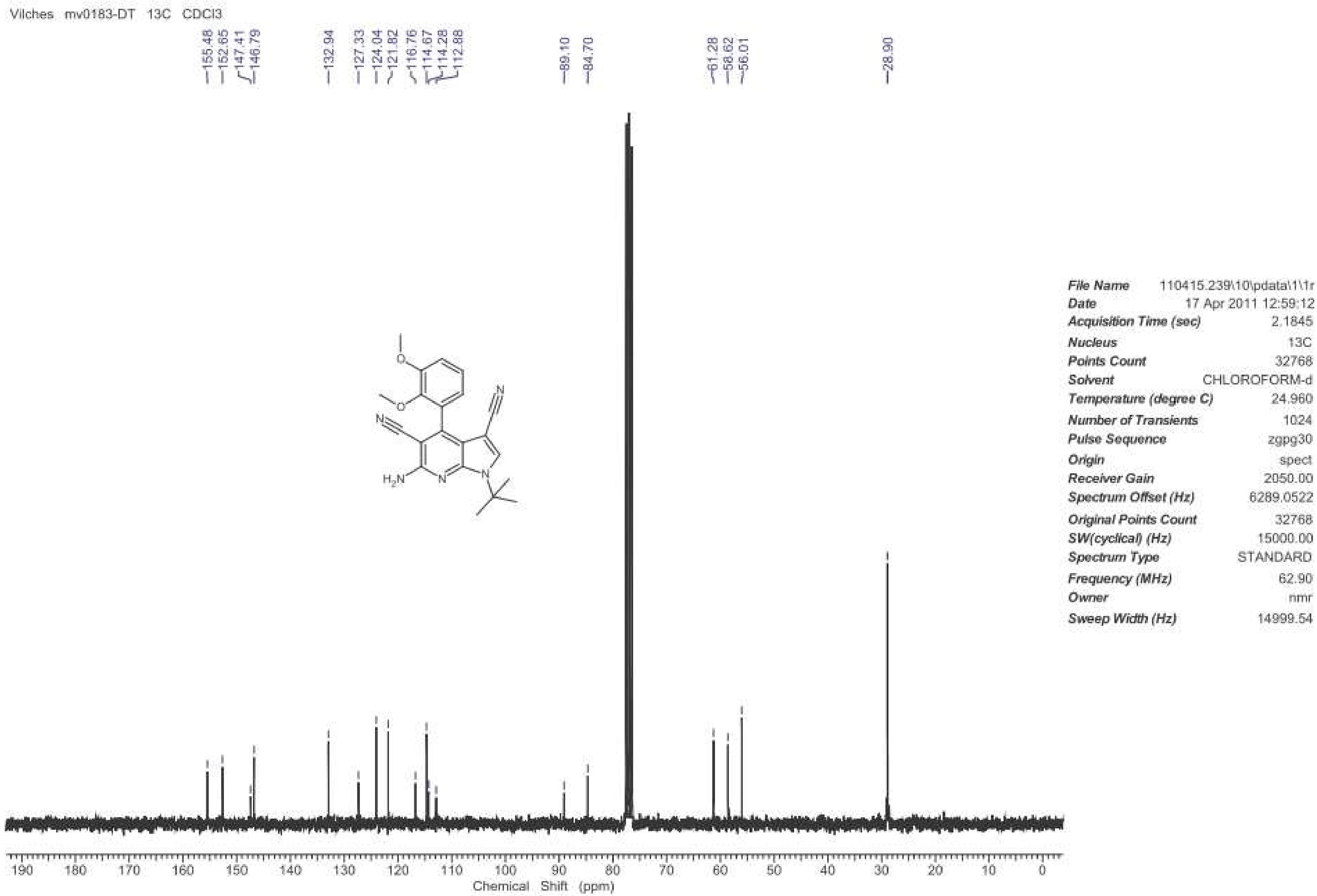
Vilches mv0194 13C DMSO



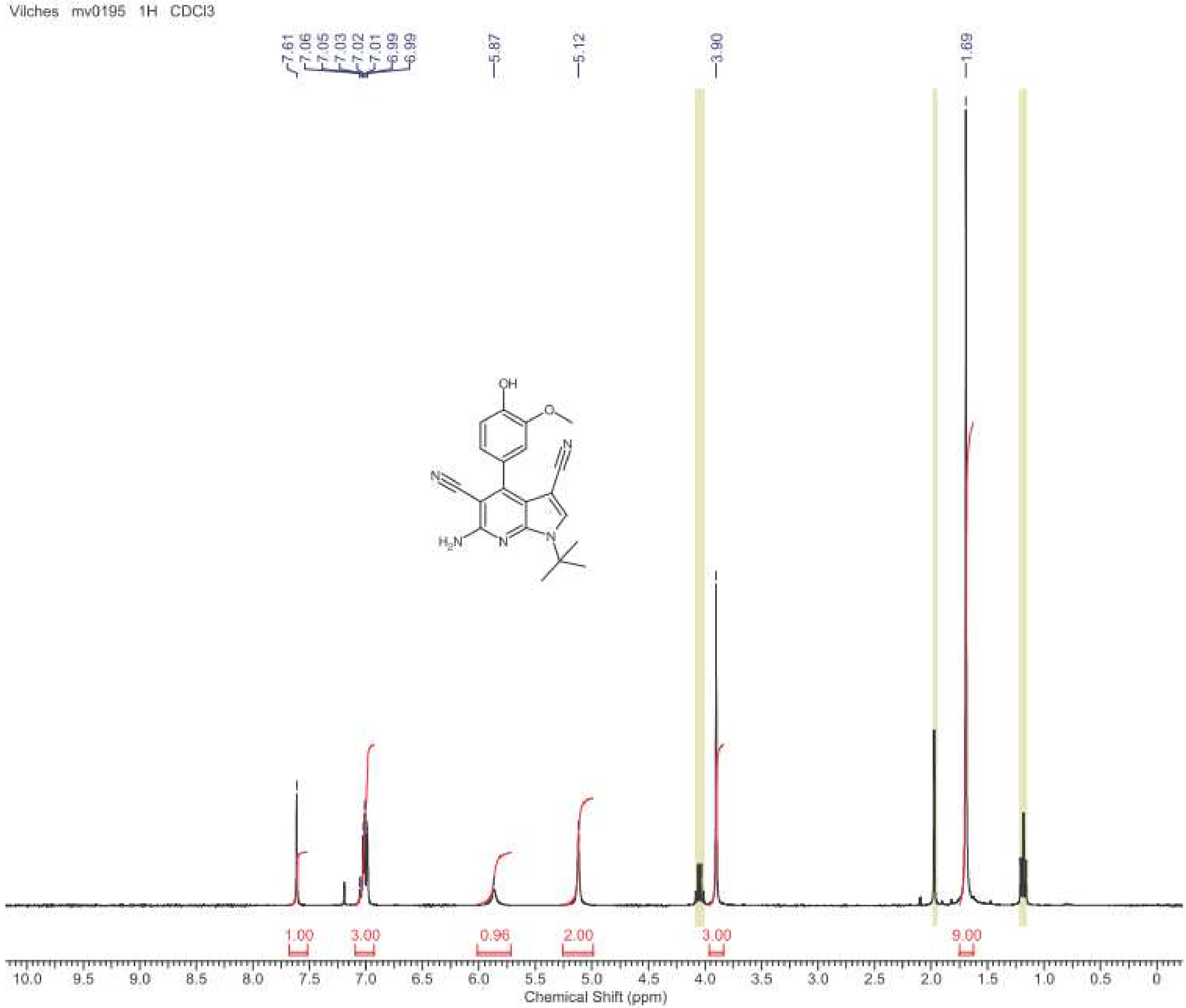
File Name	\110915.210\11\pdata\1\1r
Date	16 Sep 2011 00:58:08
Acquisition Time (sec)	2.1845
Nucleus	13C
Owner	nmr
SW(cyclical) (Hz)	15000.00
Sweep Width (Hz)	14999.54
Number of Transients	1024
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	24.660
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	6257.6045
Frequency (MHz)	62.90
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD



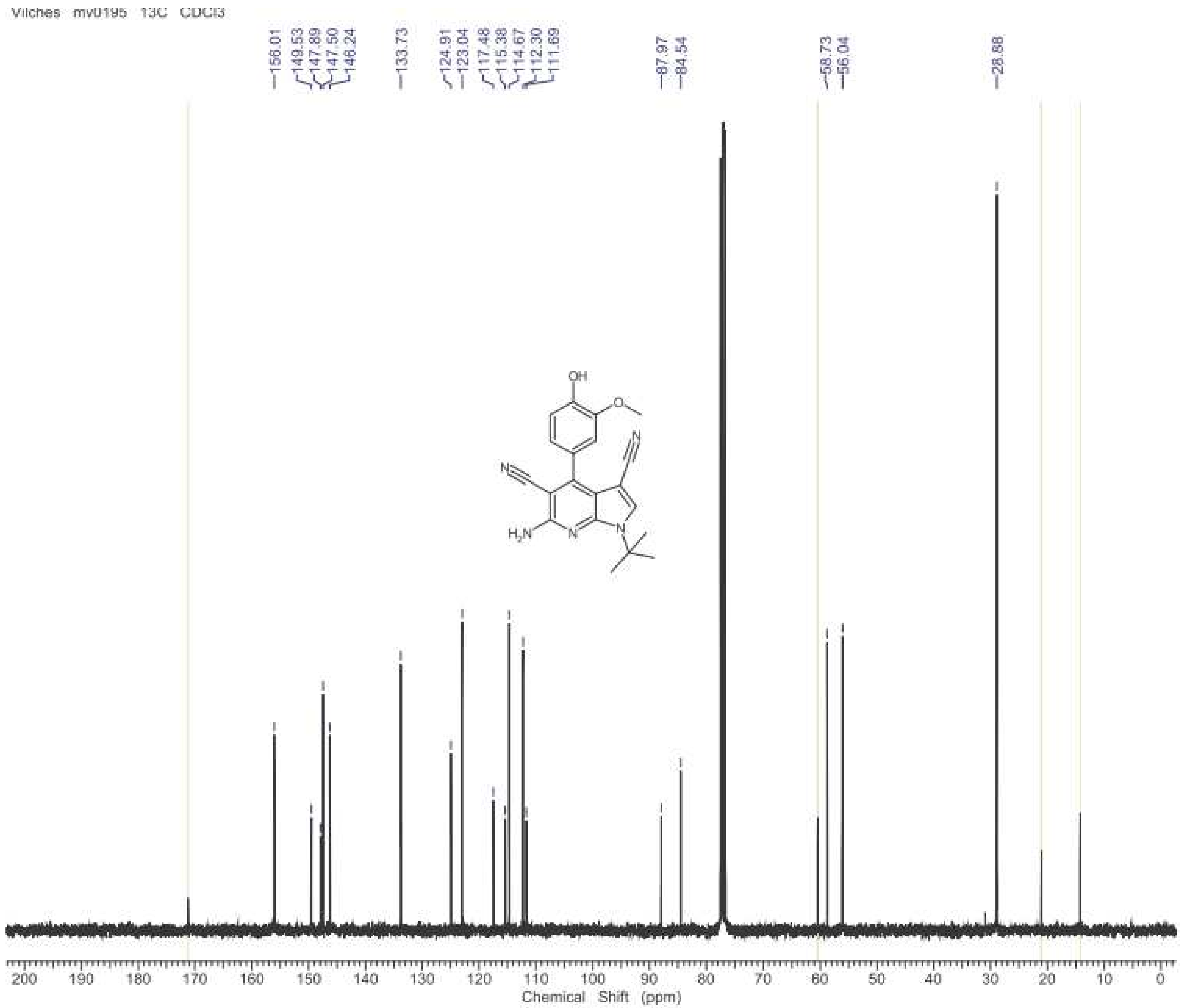
File Name	110415.u304\10\pdata\1\1r
Date	15 Apr 2011 09:06:40
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	25.160
Number of Transients	16
Pulse Sequence	zg30
Origin	spect
Receiver Gain	128.00
Spectrum Offset (Hz)	1853.4248
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Spectrum Type	STANDARD
Frequency (MHz)	300.13
Owner	nmrsu
Sweep Width (Hz)	6187.93



Vilches mv0183-DT 13C CDCl3
155.48
152.65
147.41
146.79
132.94
127.33
124.04
121.82
116.76
114.67
114.28
112.88
89.10
84.70
61.28
58.62
56.01
28.90
O
O
N
N
H_2N
N
N
File Name 110415.239\10\pdata\1\1r
Date 17 Apr 2011 12:59:12
Acquisition Time (sec) 2.1845
Nucleus 13C
Points Count 32768
Solvent CHLOROFORM-d
Temperature (degree C) 24.960
Number of Transients 1024
Pulse Sequence zgpg30
Origin spect
Receiver Gain 2050.00
Spectrum Offset (Hz) 6289.0522
Original Points Count 32768
SW(cyclical) (Hz) 15000.00
Spectrum Type STANDARD
Frequency (MHz) 62.90
Owner nmr
Sweep Width (Hz) 14999.54
190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
Chemical Shift (ppm)

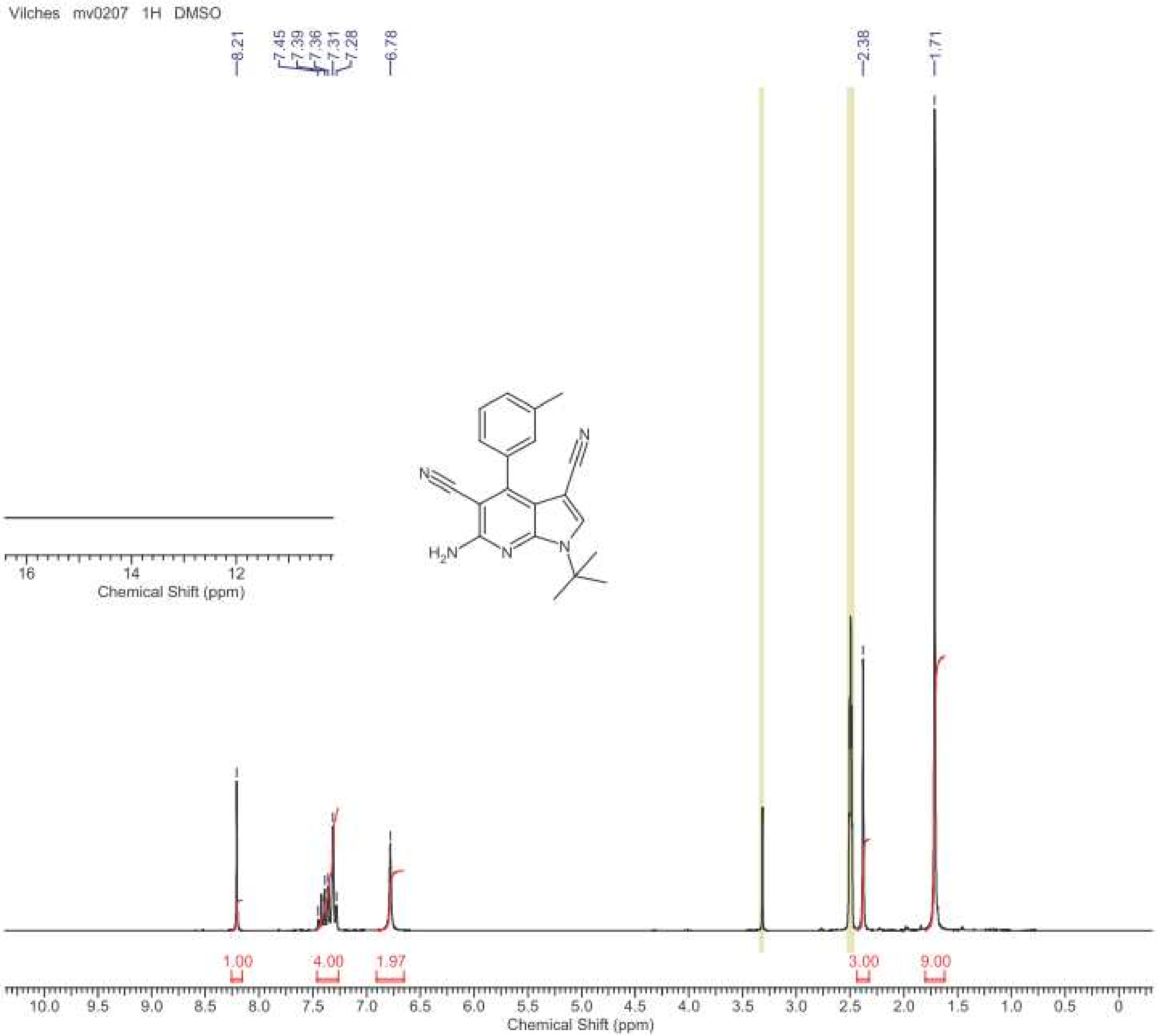


File Name	110916.u326\10\pdata\1\1r
Date	16 Sep 2011 13:33:20
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1822.0887
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	101.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	24.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	CHLOROFORM-d



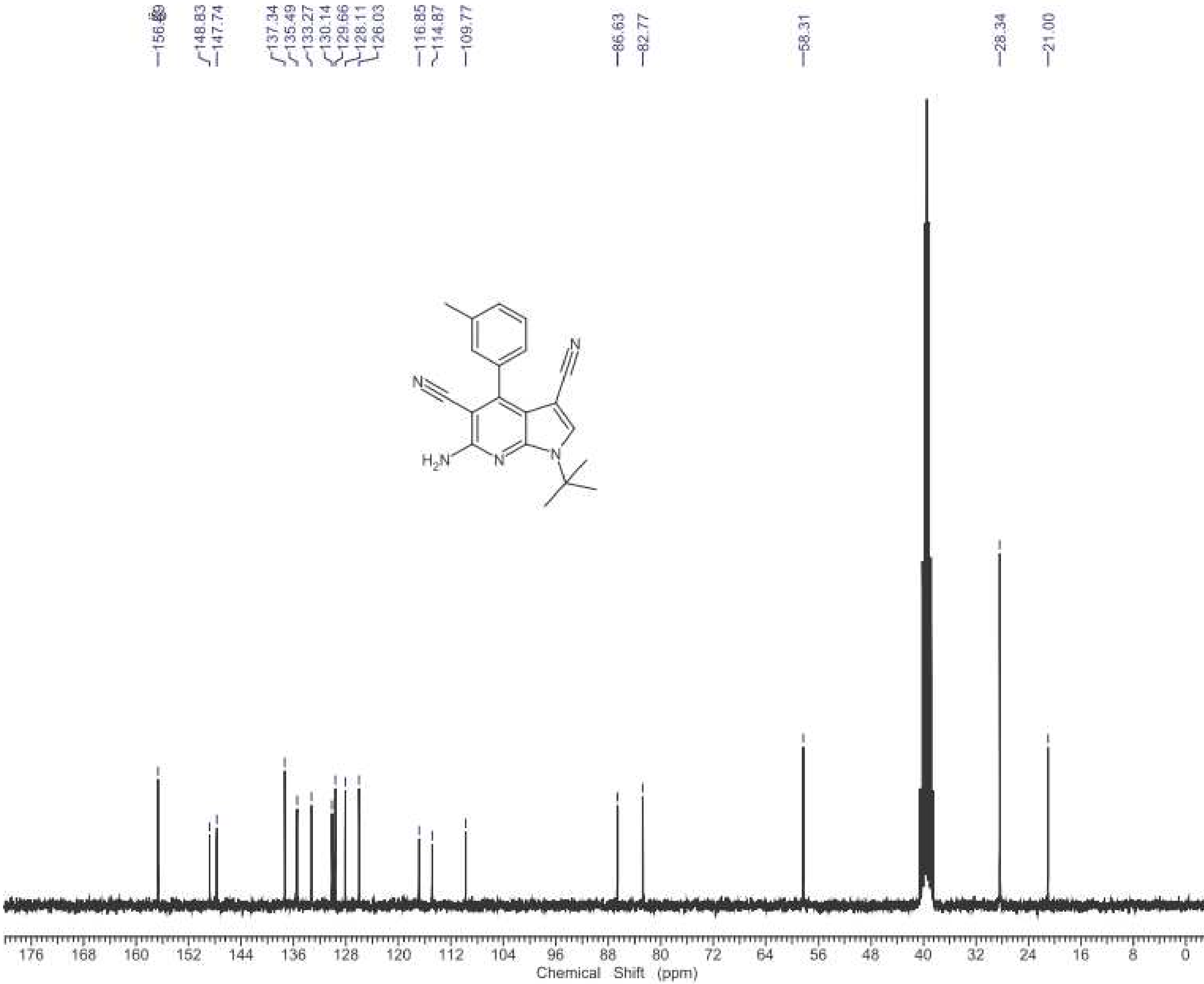
226

File Name	110916.u326\11\pdata\1\1r
Date	17 Sep 2011 10:36:16
Acquisition Time (sec)	1.8175
Nucleus	13C
Points Count	32768
Solvent	CHLOROFORM-d
Temperature (degree C)	24.560
Number of Transients	1024
Pulse Sequence	zgpg30
Origin	spect
Receiver Gain	2050.00
Spectrum Offset (Hz)	7546.3032
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Spectrum Type	STANDARD
Frequency (MHz)	75.47
Owner	nmrsu
Sweep Width (Hz)	18028.29



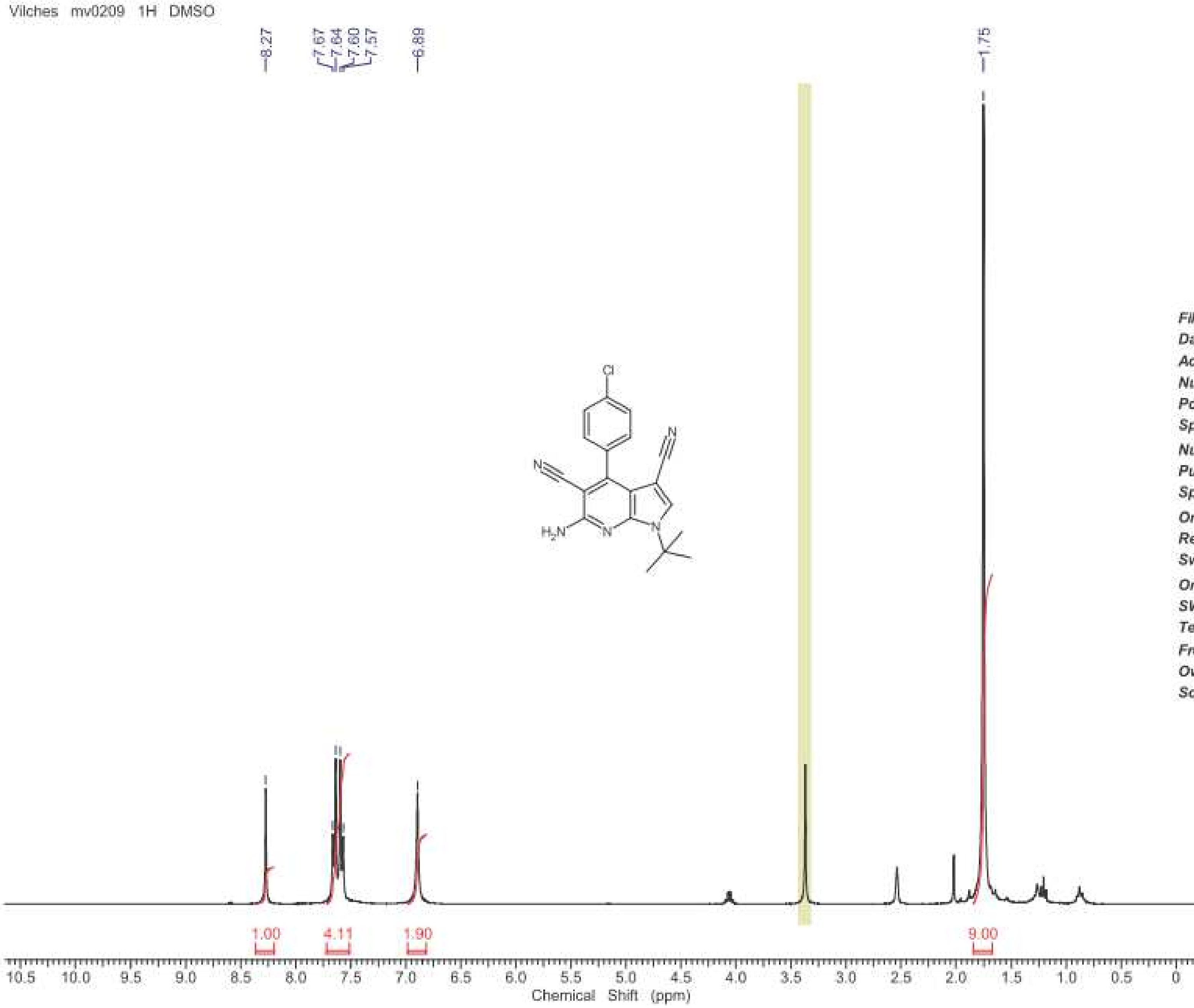
File Name	110407.205\10\pdata\1\1r
Date	07 Apr 2011 11:06:08
Acquisition Time (sec)	6.3439
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1544.6556
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	406.00
Sweep Width (Hz)	5165.13
Original Points Count	32768
SW(cyclical) (Hz)	5165.29
Temperature (degree C)	24.960
Frequency (MHz)	250.13
Owner	nmr
Solvent	DMSO-d6

Vilches mv0207 13C DMSO



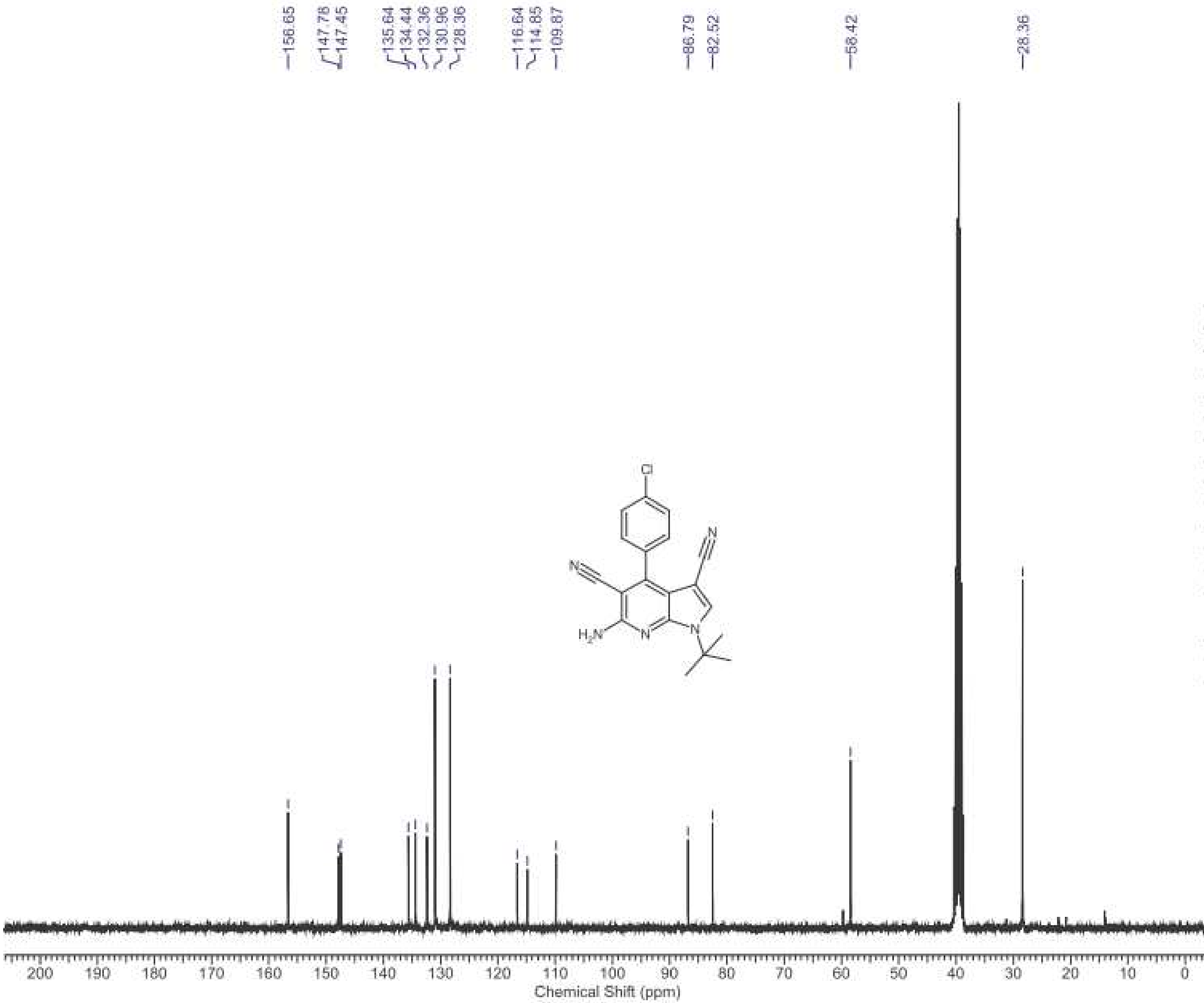
228

File Name	110408.237\10\pdata\1\1r
Date	12 Apr 2011 14:28:48
Acquisition Time (sec)	2.1845
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	6257.6045
Number of Transients	512
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	14999.54
Original Points Count	32768
SW(cyclical) (Hz)	15000.00
Temperature (degree C)	24.960
Frequency (MHz)	62.90
Owner	nmr
Solvent	DMSO-d6

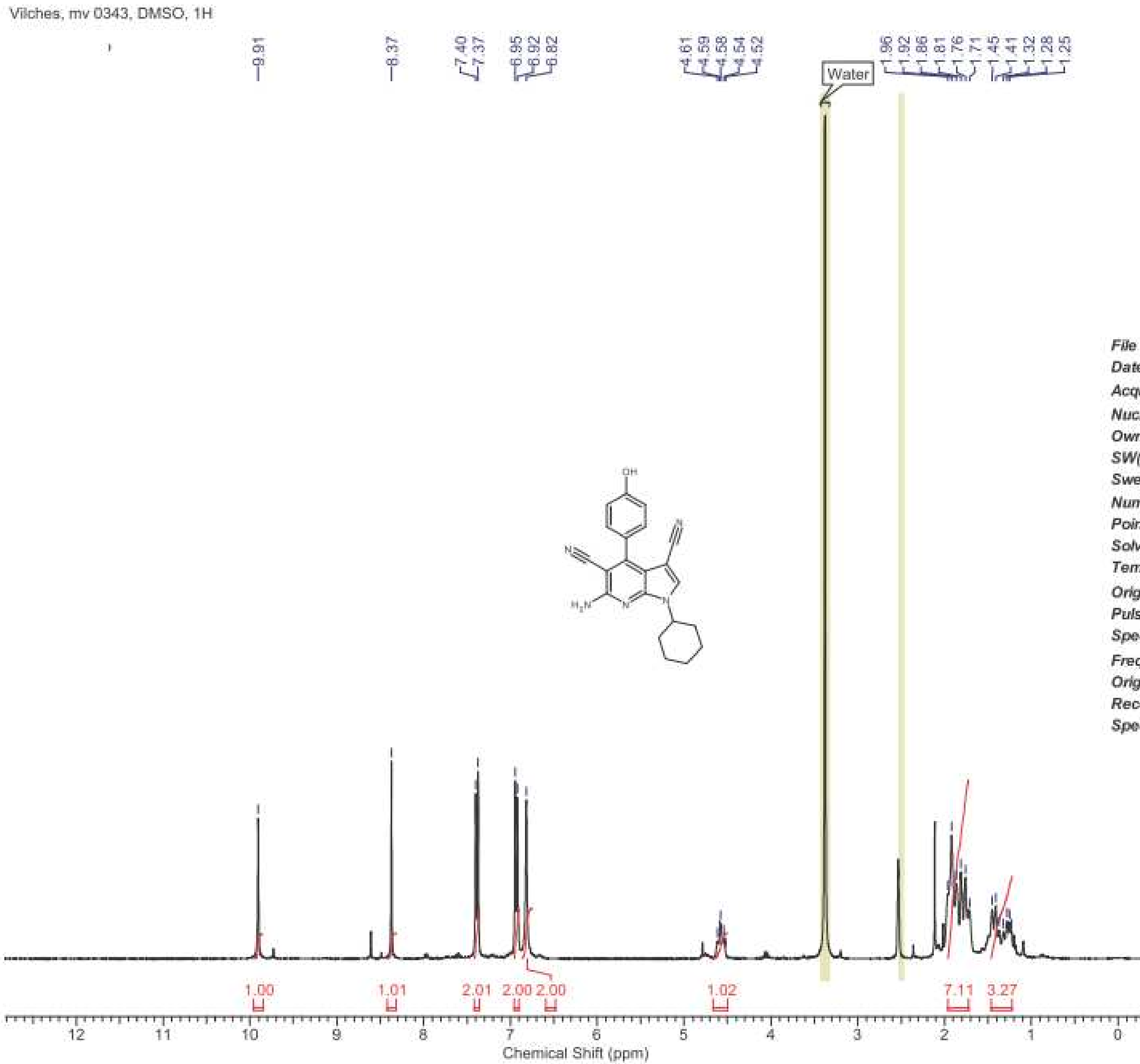


File Name	110916.u327\10\pdata\1\1r
Date	16 Sep 2011 13:37:36
Acquisition Time (sec)	5.2953
Nucleus	1H
Points Count	32768
Spectrum Offset (Hz)	1853.4248
Number of Transients	16
Pulse Sequence	zg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	101.00
Sweep Width (Hz)	6187.93
Original Points Count	32768
SW(cyclical) (Hz)	6188.12
Temperature (degree C)	24.160
Frequency (MHz)	300.13
Owner	nmrsu
Solvent	DMSO-d6

Vilches mv0209 13C DMSO

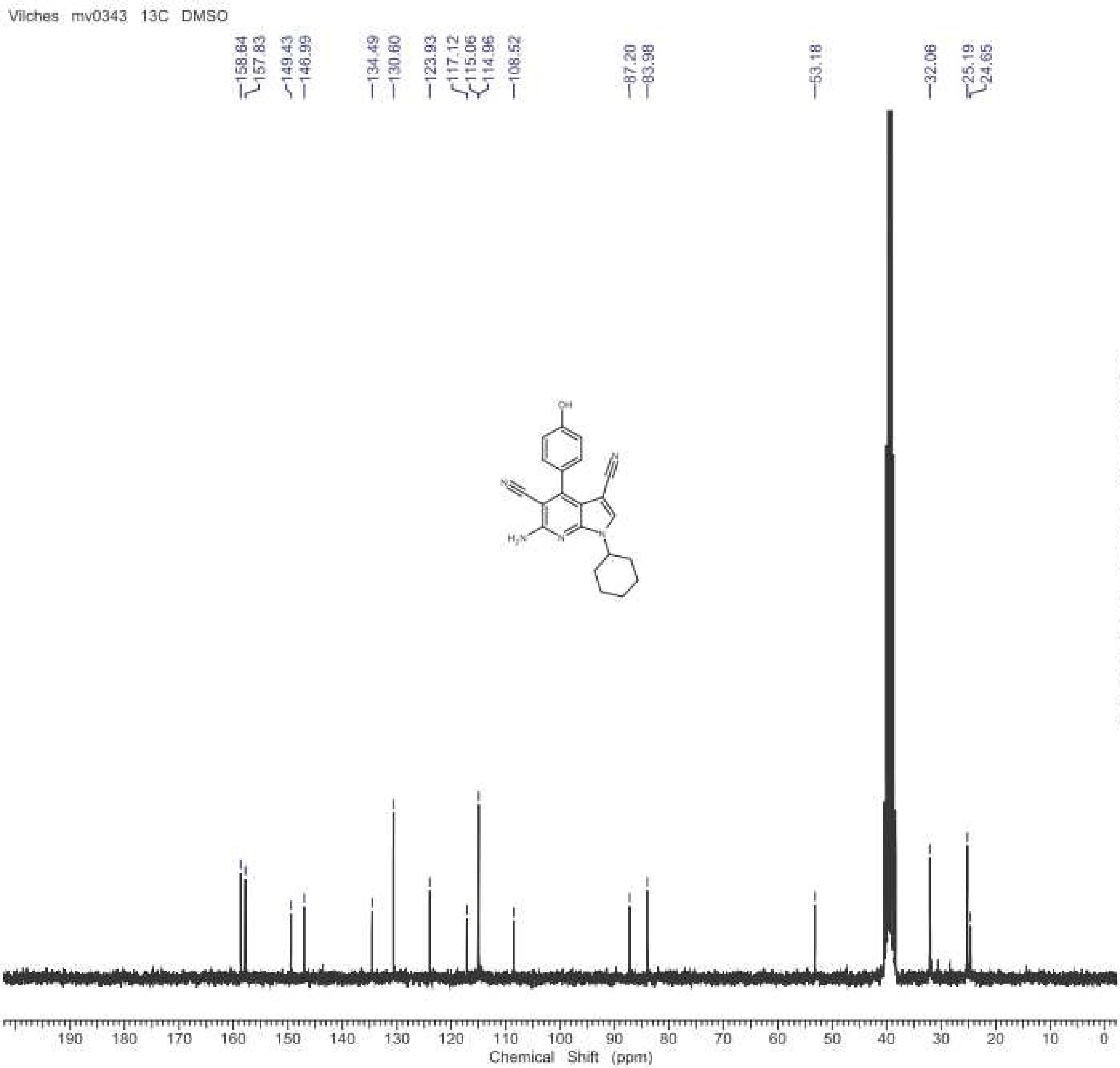


File Name	110916.u327\11\pdata\1\1r
Date	17 Sep 2011 12:03:44
Acquisition Time (sec)	1.8175
Nucleus	13C
Points Count	32768
Spectrum Offset (Hz)	7508.5698
Number of Transients	1024
Pulse Sequence	zgpg30
Spectrum Type	STANDARD
Origin	spect
Receiver Gain	2050.00
Sweep Width (Hz)	18028.29
Original Points Count	32768
SW(cyclical) (Hz)	18028.85
Temperature (degree C)	24.560
Frequency (MHz)	75.47
Owner	nmrsu
Solvent	DMSO-d6

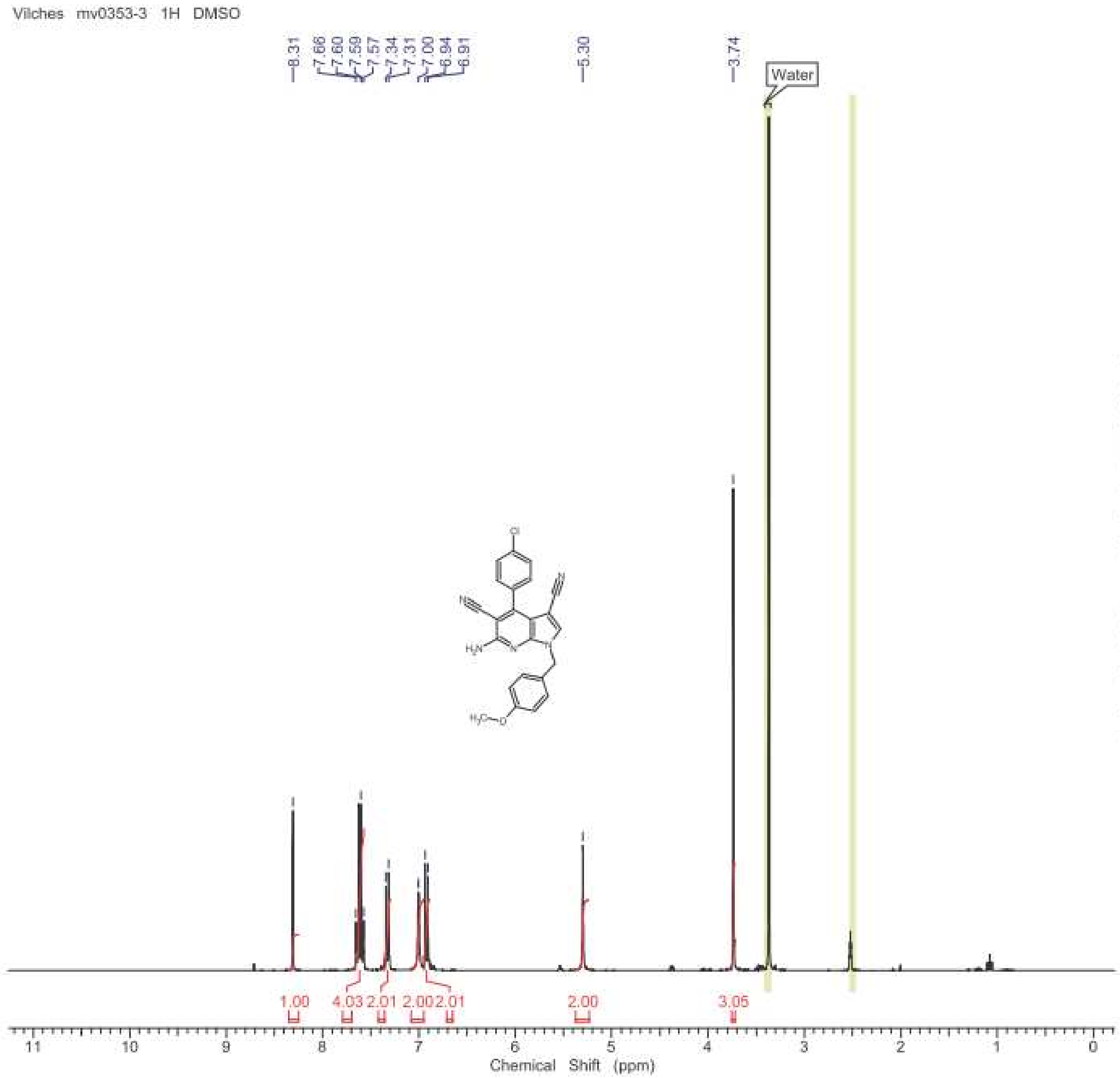


File Name	\120116.u334\10\pdata\1\1r
Date	16 Jan 2012 14:15:44
Acquisition Time (sec)	5.2953
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Sweep Width (Hz)	6187.93
Number of Transients	16
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zg30
Spectrum Offset (Hz)	1856.5670
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	80.60
Spectrum Type	STANDARD

231



File Name	\120117.206\10\pdata\1\1r
Date	17 Jan 2012 19:03:44
Acquisition Time (sec)	2.1845
Nucleus	13C
Owner	nmr
SW(cyclical) (Hz)	15000.00
Sweep Width (Hz)	14999.54
Number of Transients	1024
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	27.000
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	6257.6045
Frequency (MHz)	62.90
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD

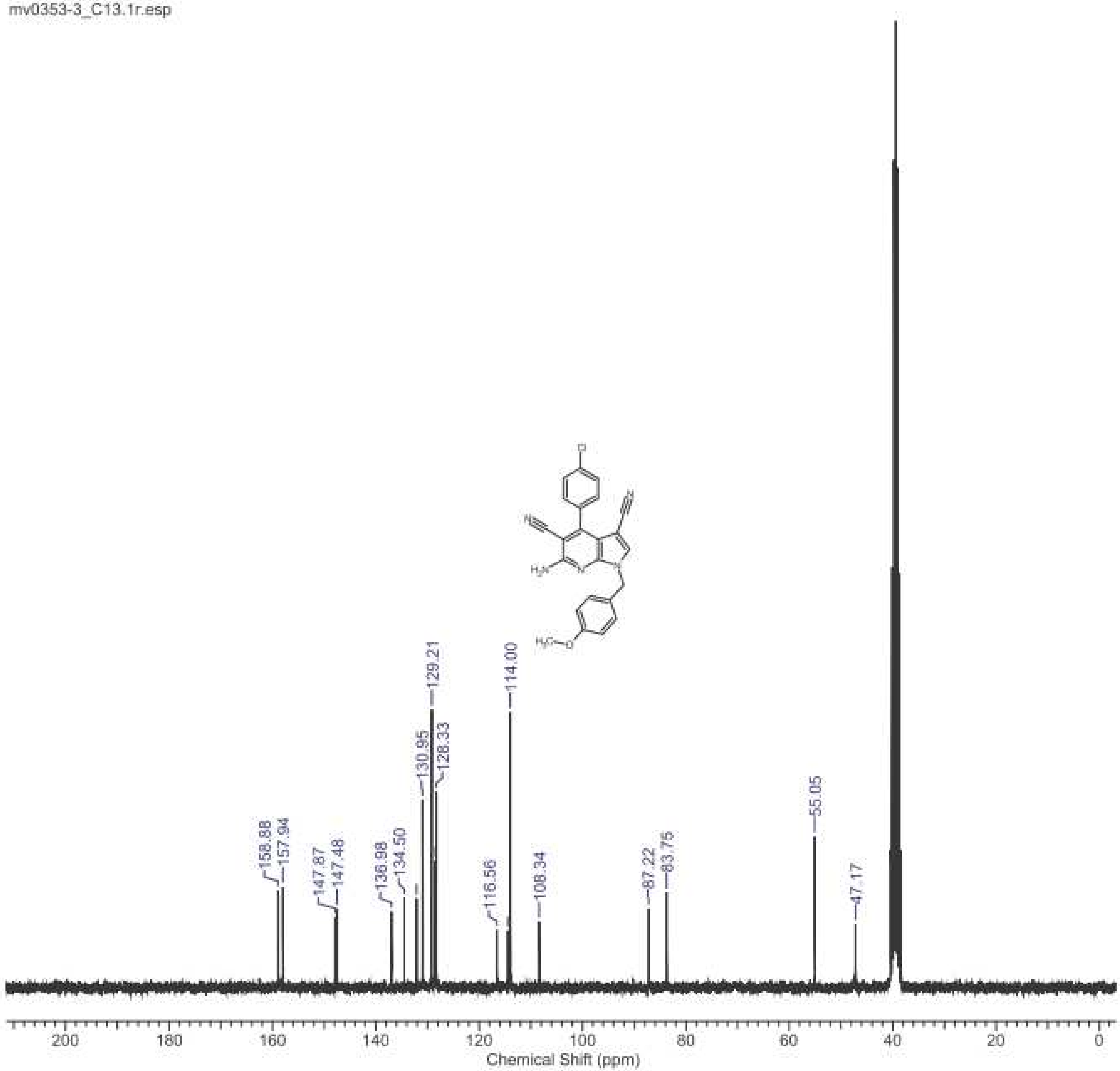


File Name	\120217.u306\10\pdata\1\1r
Date	17 Feb 2012 09:19:12
Acquisition Time (sec)	5.2953
Nucleus	1H
Owner	nmrsu
SW(cyclical) (Hz)	6188.12
Sweep Width (Hz)	6187.93
Number of Transients	16
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.160
Origin	spect
Pulse Sequence	zg30
Spectrum Offset (Hz)	1853.4248
Frequency (MHz)	300.13
Original Points Count	32768
Receiver Gain	90.50
Spectrum Type	STANDARD

233

Vilches mv0353-3 13C DMSO

mv0353-3_C13.1r.esp



File Name	120217.211\10\pdata\1\1r
Date	17 Feb 2012 16:38:40
Acquisition Time (sec)	2.1845
Nucleus	13C
Owner	nmr
SW(cyclical) (Hz)	15000.00
Sweep Width (Hz)	14999.54
Number of Transients	1024
Points Count	32768
Solvent	DMSO-d6
Temperature (degree C)	25.060
Origin	spect
Pulse Sequence	zgpg30
Spectrum Offset (Hz)	6257.6045
Frequency (MHz)	62.90
Original Points Count	32768
Receiver Gain	2050.00
Spectrum Type	STANDARD

10. X-Ray crystallographic data

X-Ray crystallographic data (excluding structure factors) for the structures **4ma**, **8fa**, **8ha**, **11aa**, **11ga**, and **11ma** reported in this paper have been deposited with the Cambridge Crystallographic Data Centre as supplementary publication no. CCDC 875374 - 875379, can be obtained free of charge on application to CCDC, 12 Union Road, Cambridge CB2 1EZ, UK; fax: +44(1223)336033; e-mail: deposit@ccdc.cam.ac.uk, or via www.ccdc.cam.ac.uk/data_request/cif

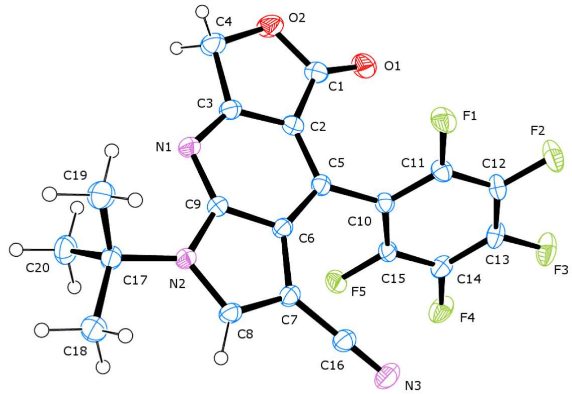


Figure 3. Molecular Structure of Compound **4ma**.

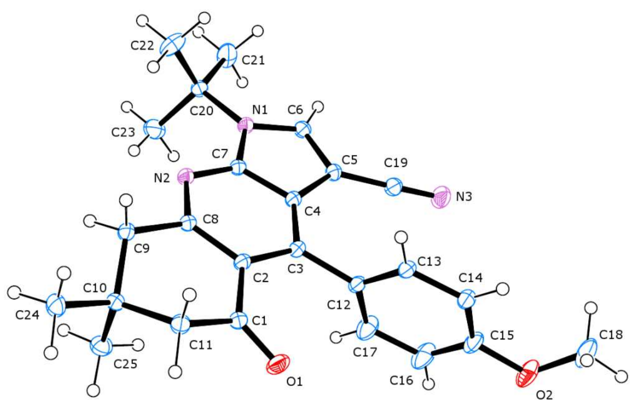


Figure 4. Molecular Structure of Compound **8fa**.

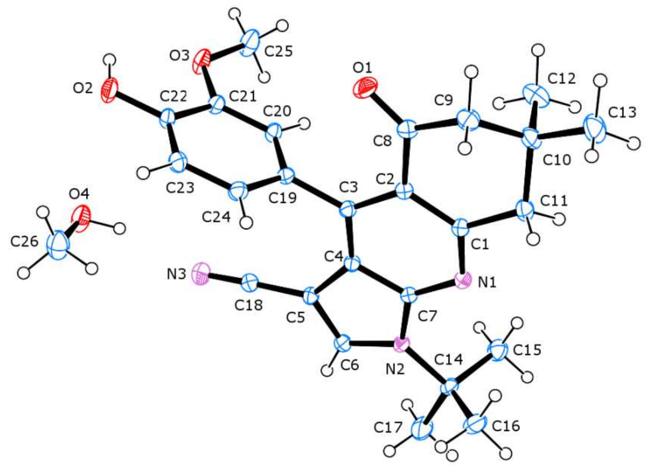


Figure 5. Molecular Structure of Compound **8ha**.

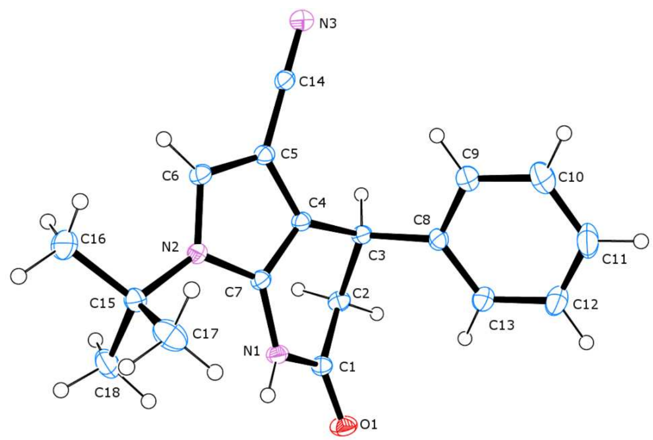


Figure 6. Molecular Structure of Compound **11aa**.

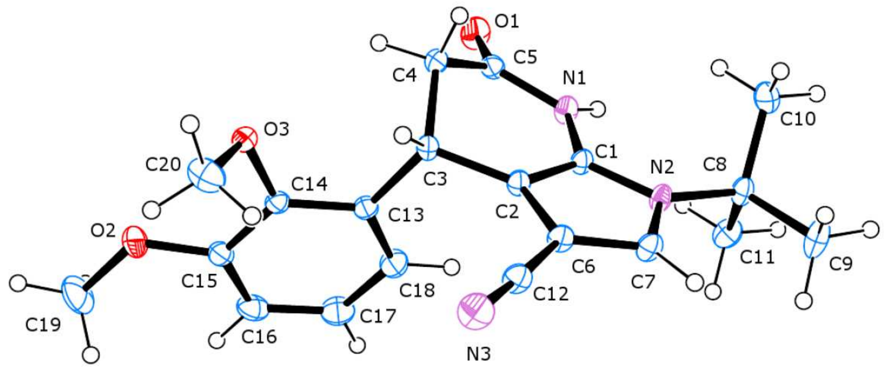


Figure 7. Molecular Structure of Compound **11ga**.

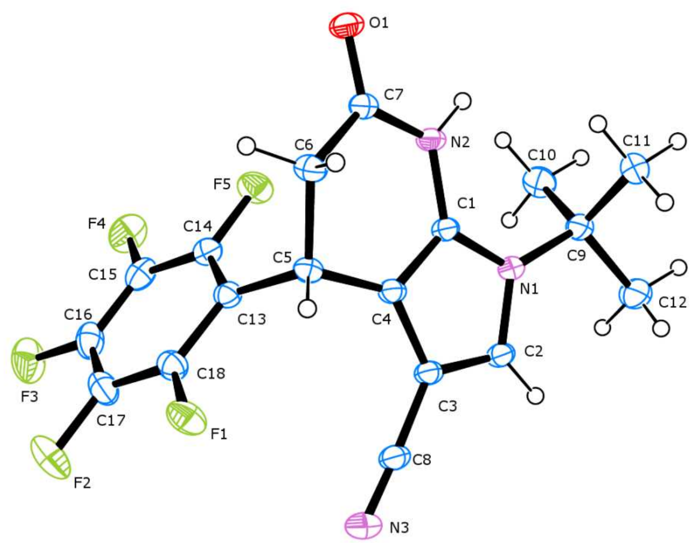


Figure 8. Molecular Structure of Compound **11ma**.

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