Electronic Supplementary Material (ESI) for RSC Advances.
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Supplementary Information

Diversity oriented synthesis of 6-Nitro- and 6-Aminoquinolones and their activity as alkaline phosphatase inhibitors

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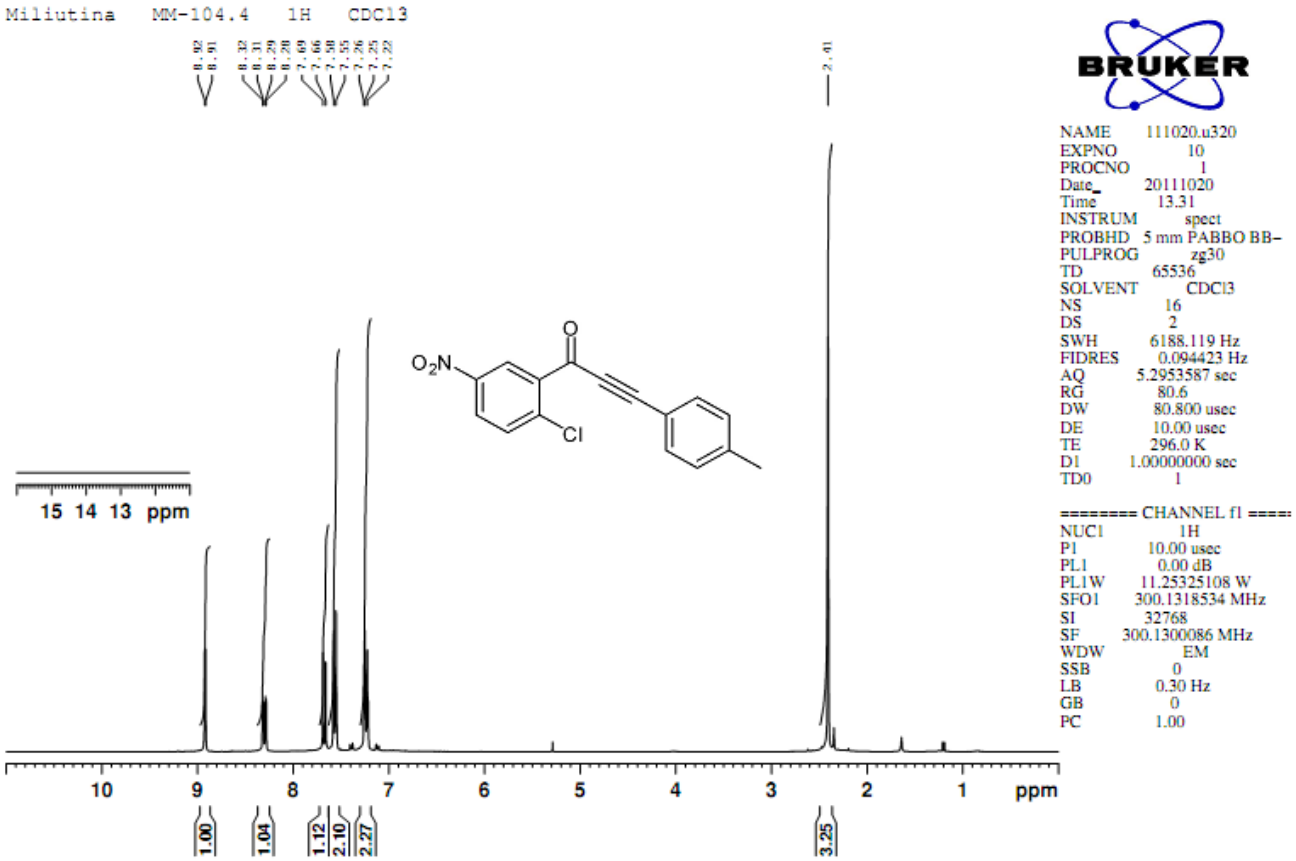
Copies of ^{1}H and ^{13}C NMR spectras

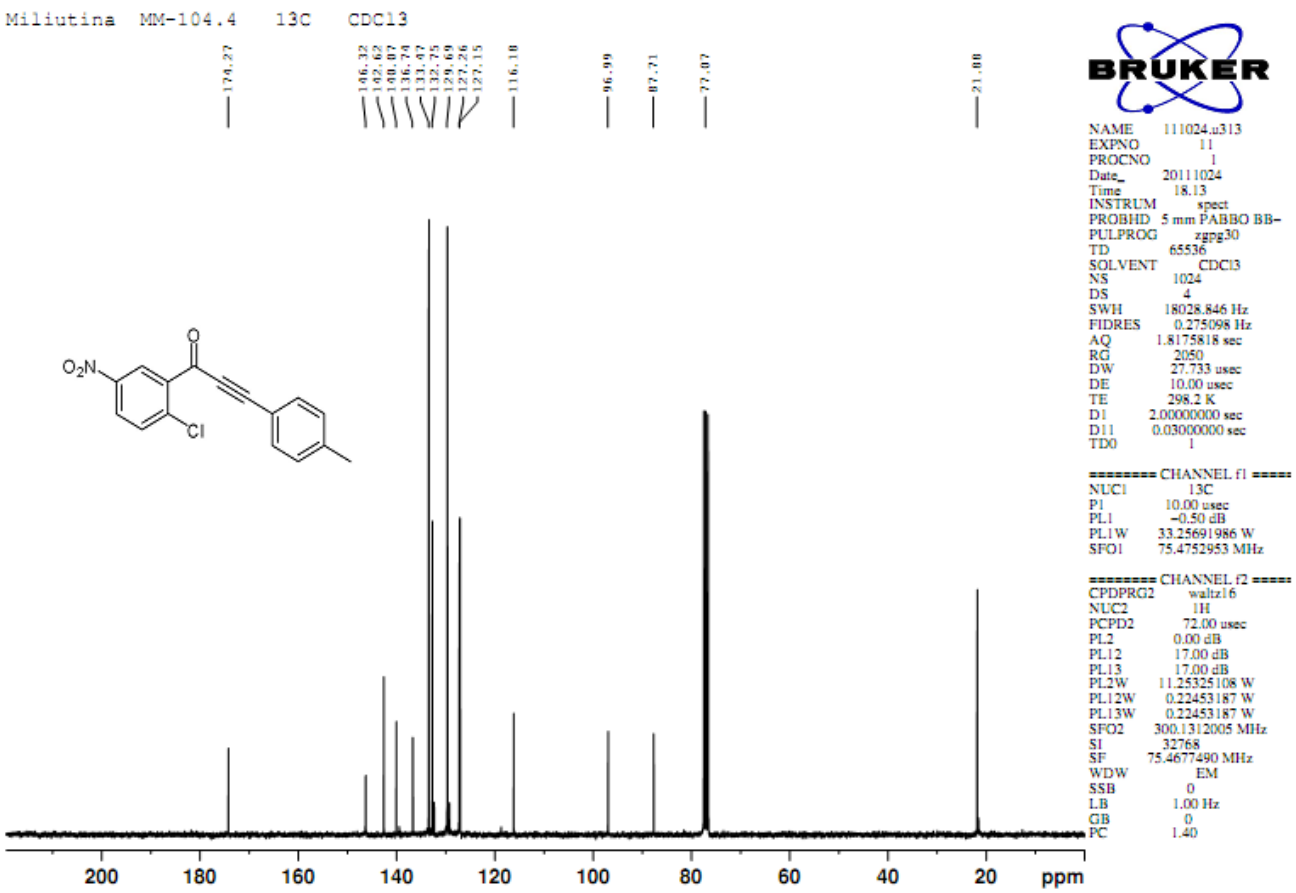
1-(2-Chloro-5-nitrophenyl)-3-*p*-tolylprop-2-yn-1-one (6a).



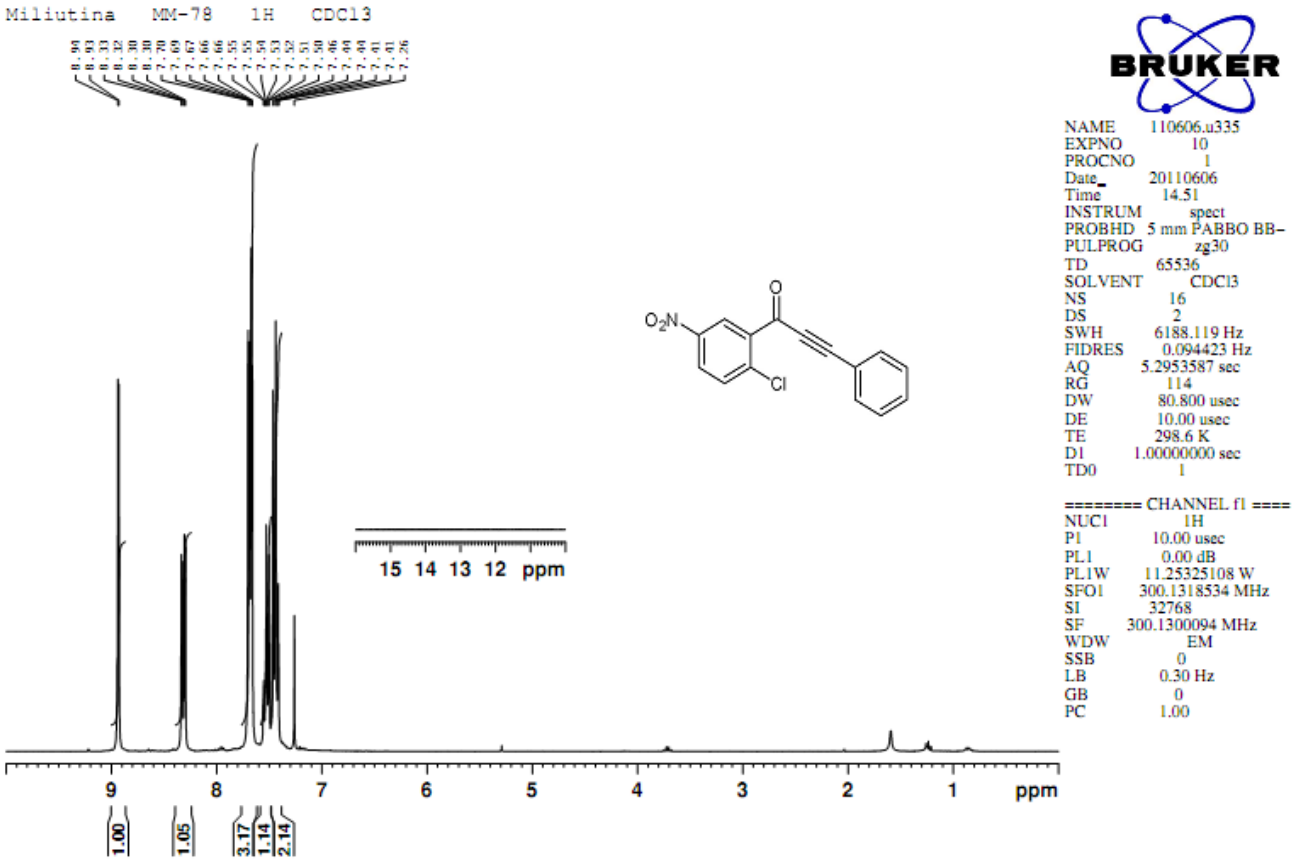
BRUKER

NAME	111020.u320
EXPNO	10
PROCNO	1
Date_	20111020
Time	13.31
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	80.6
DW	80.800 usec
DE	10.00 usec
TE	296.0 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 =====	
NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300086 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

1-(2-Chloro-5-nitrophenyl)-3-*p*-tolylprop-2-yn-1-one (6a).



1-(2-Chloro-5-nitrophenyl)-3-phenylprop-2-yn-1-one (6b).

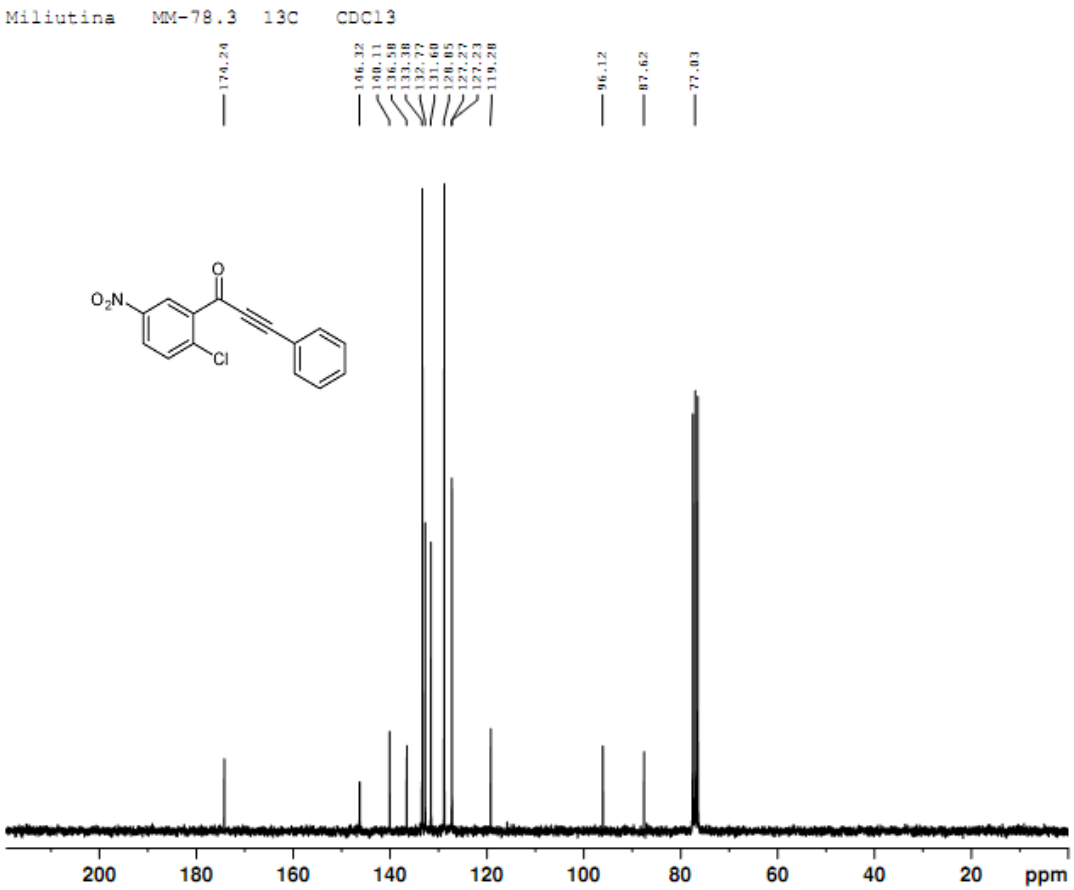


BRUKER

NAME 110606.u335
EXPNO 10
PROCNO 1
Date_ 20110606
Time 14.51
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 114
DW 80.800 usec
DE 10.00 usec
TE 298.6 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1300094 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

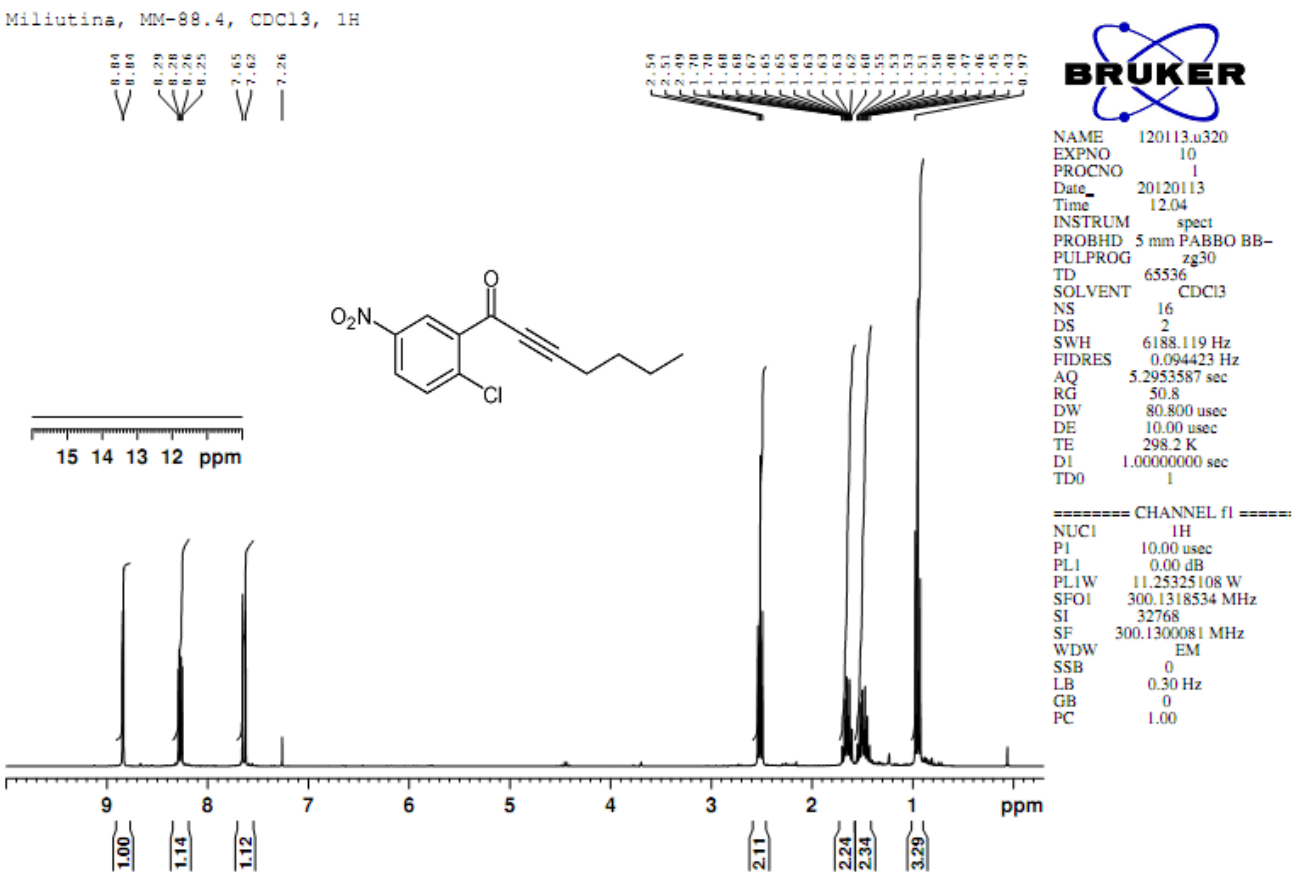
1-(2-Chloro-5-nitrophenyl)-3-phenylprop-2-yn-1-one (6b).



BRUKER

NAME	110715.209
EXPNO	10
PROCNO	1
Date_	20110716
Time	21.29
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	1620
DW	33.333 usec
DE	10.00 usec
TE	298.3 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

1-(2-chloro-5-nitrophenyl)hept-2-yn-1-one (6c).



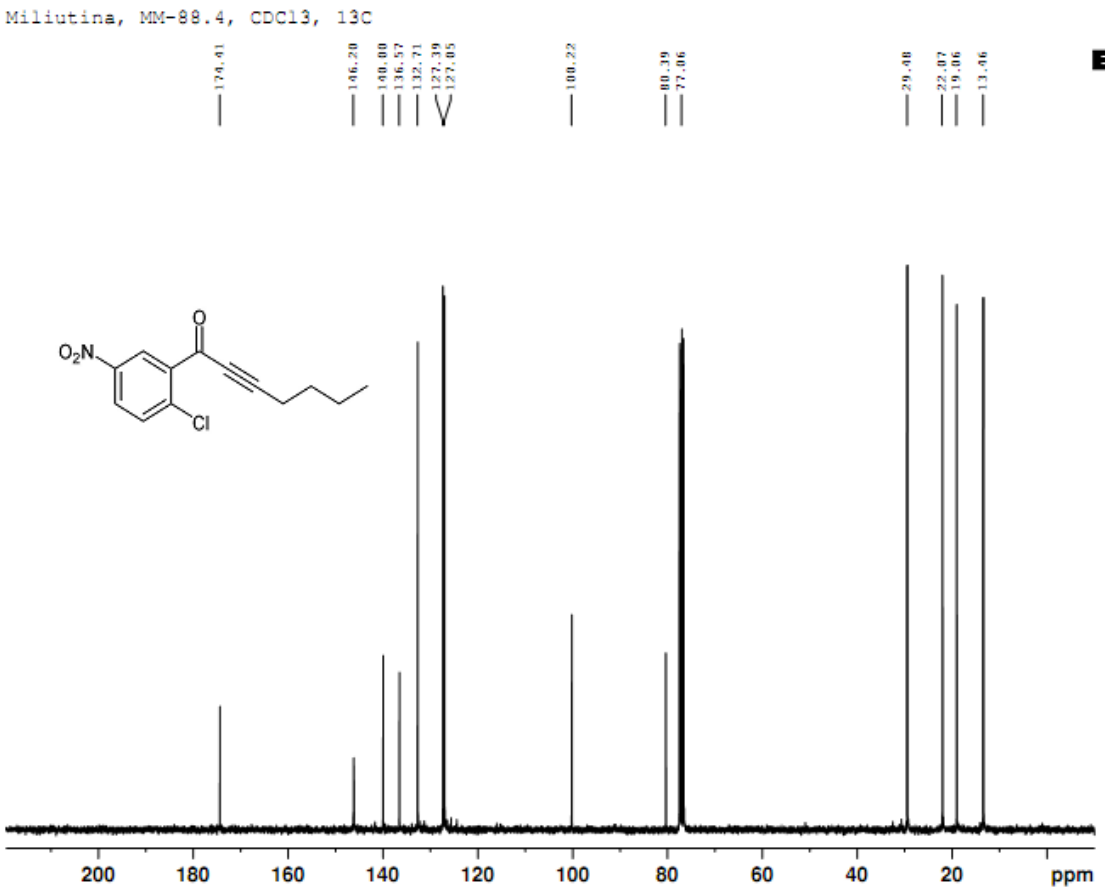
BRUKER

NAME	120113.u320
EXPNO	10
PROCNO	1
Date_	20120113
Time	12.04
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	50.8
DW	80.800 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1

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

NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300081 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

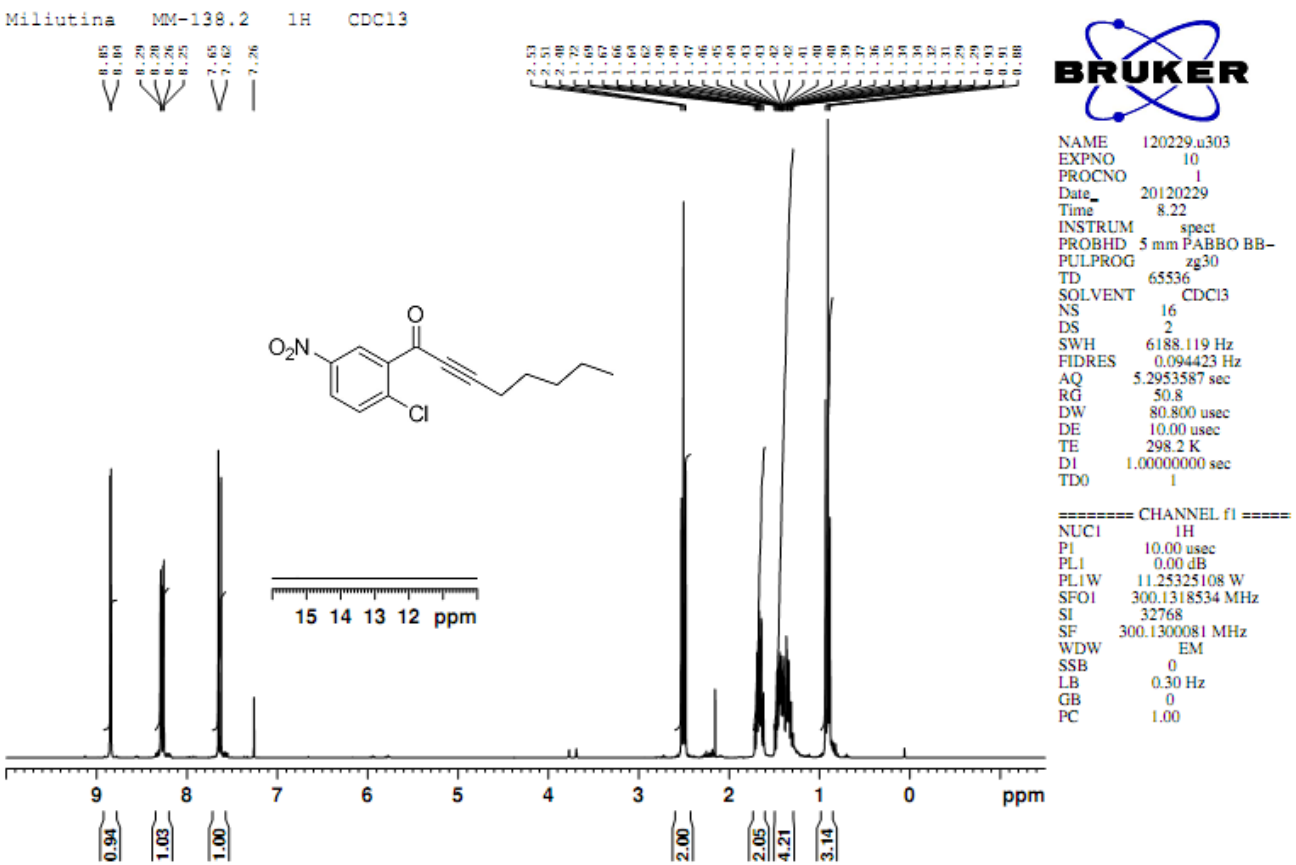
1-(2-chloro-5-nitrophenyl)hept-2-yn-1-one (6c).



BRUKER

NAME	120113.u320
EXPNO	11
PROCNO	1
Date_	20120114
Time	15.13
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	1024
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ===	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 ===	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677490 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

1-(2-chloro-5-nitrophenyl)oct-2-yn-1-one (6d).

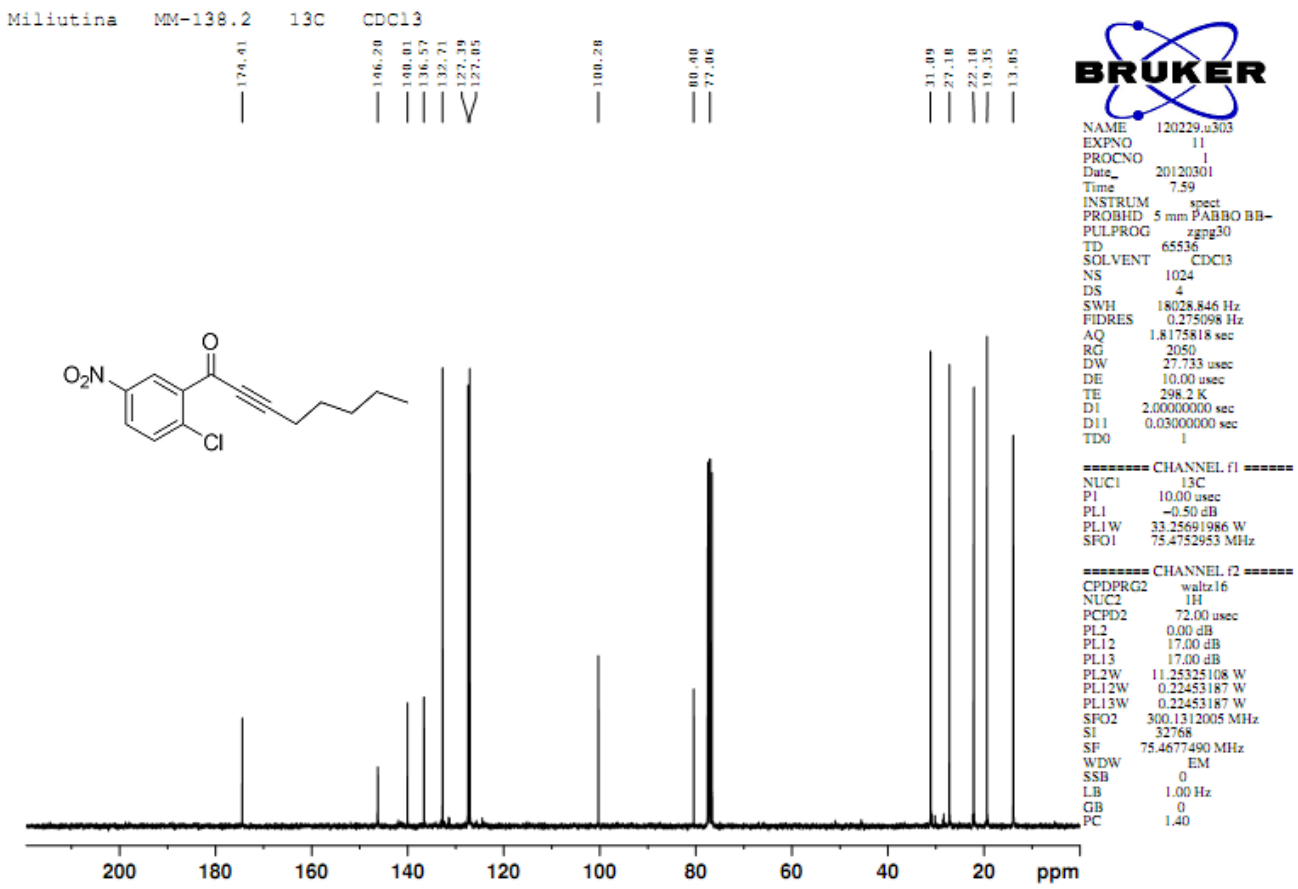


BRUKER

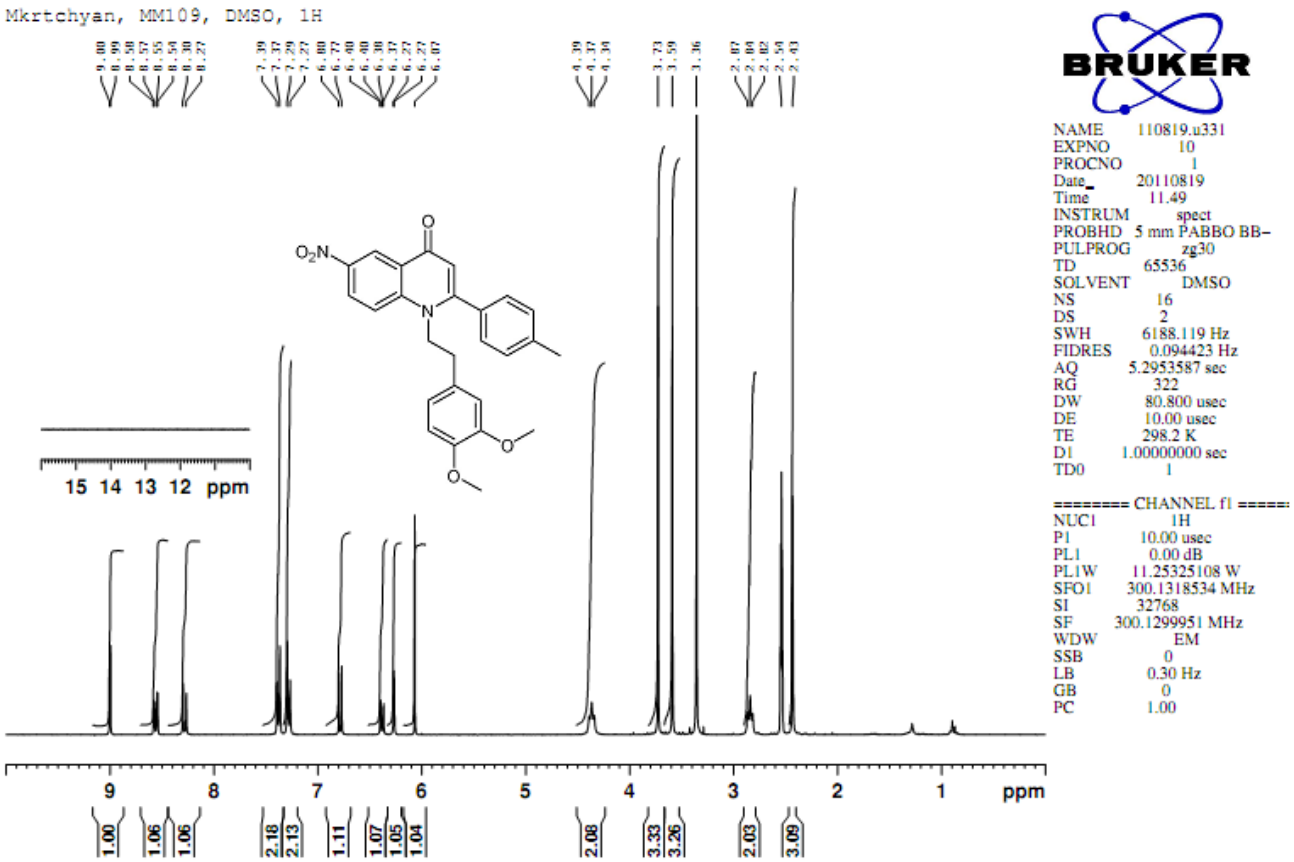
NAME 120229.u303
EXPNO 10
PROCNO 1
Date_ 20120229
Time 8.22
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 50.8
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1300081 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1-(2-chloro-5-nitrophenyl)oct-2-yn-1-one (6d).



1-(3,4-Dimethoxyphenethyl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7aa).



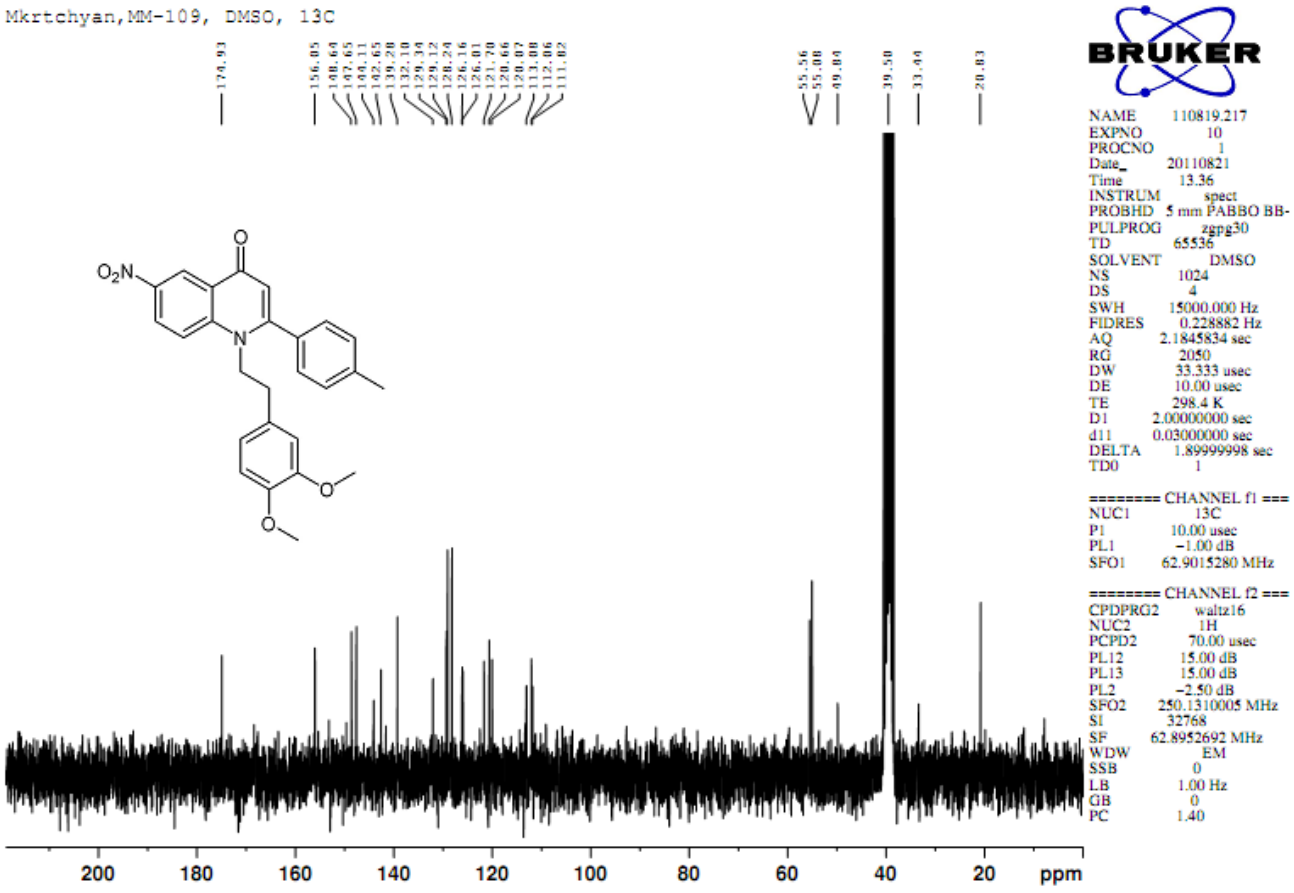
BRUKER

NAME	110819.u331
EXPNO	10
PROCNO	1
Date_	20110819
Time	11.49
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	322
DW	80.800 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1

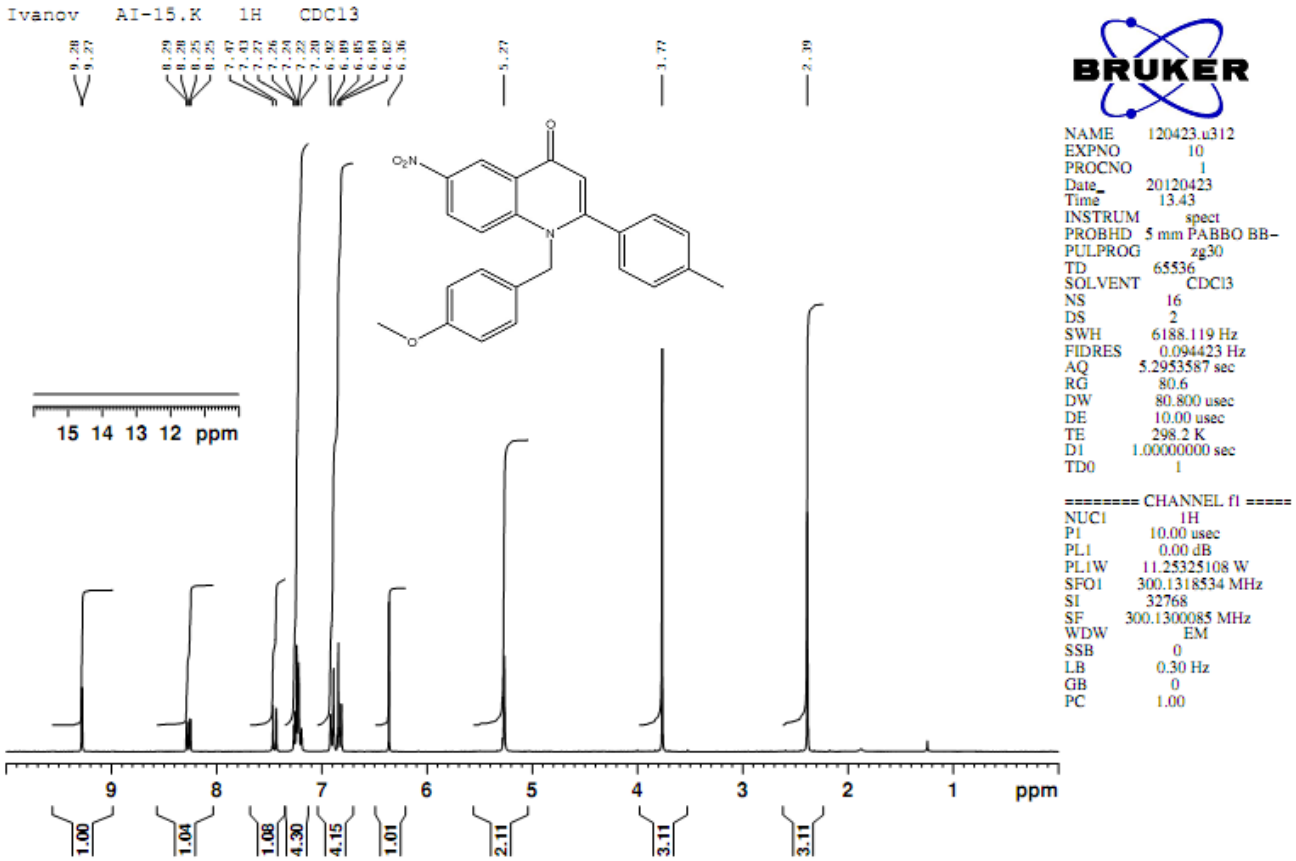
======== CHANNEL f1 ======

NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1299951 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

1-(3,4-Dimethoxyphenethyl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7aa).



1-(4-Methoxybenzyl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7ab).

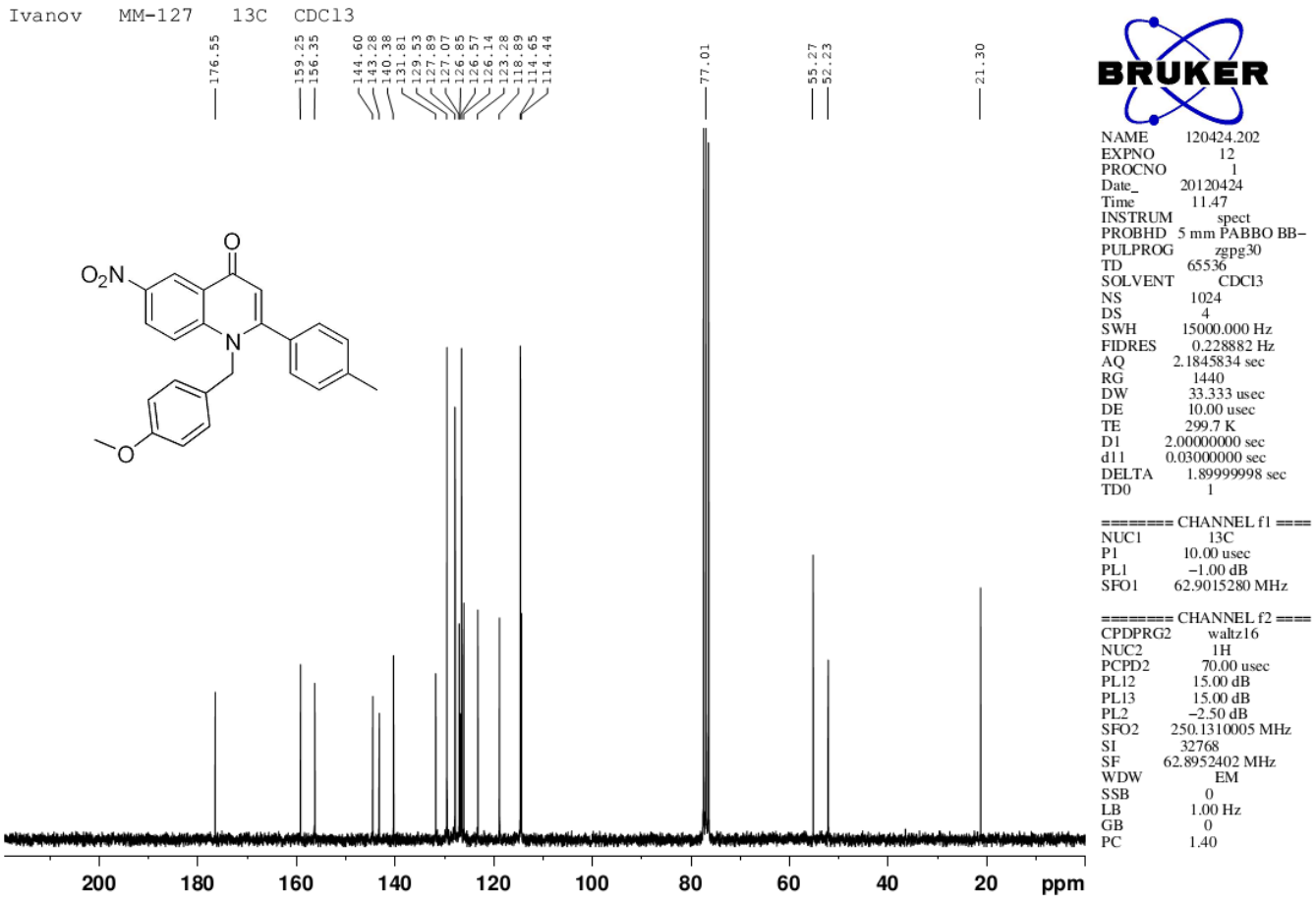


NAME	120423.u312
EXPNO	10
PROCNO	1
Date_	20120423
Time	13.43
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	80.6
DW	80.800 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1

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

NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300085 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

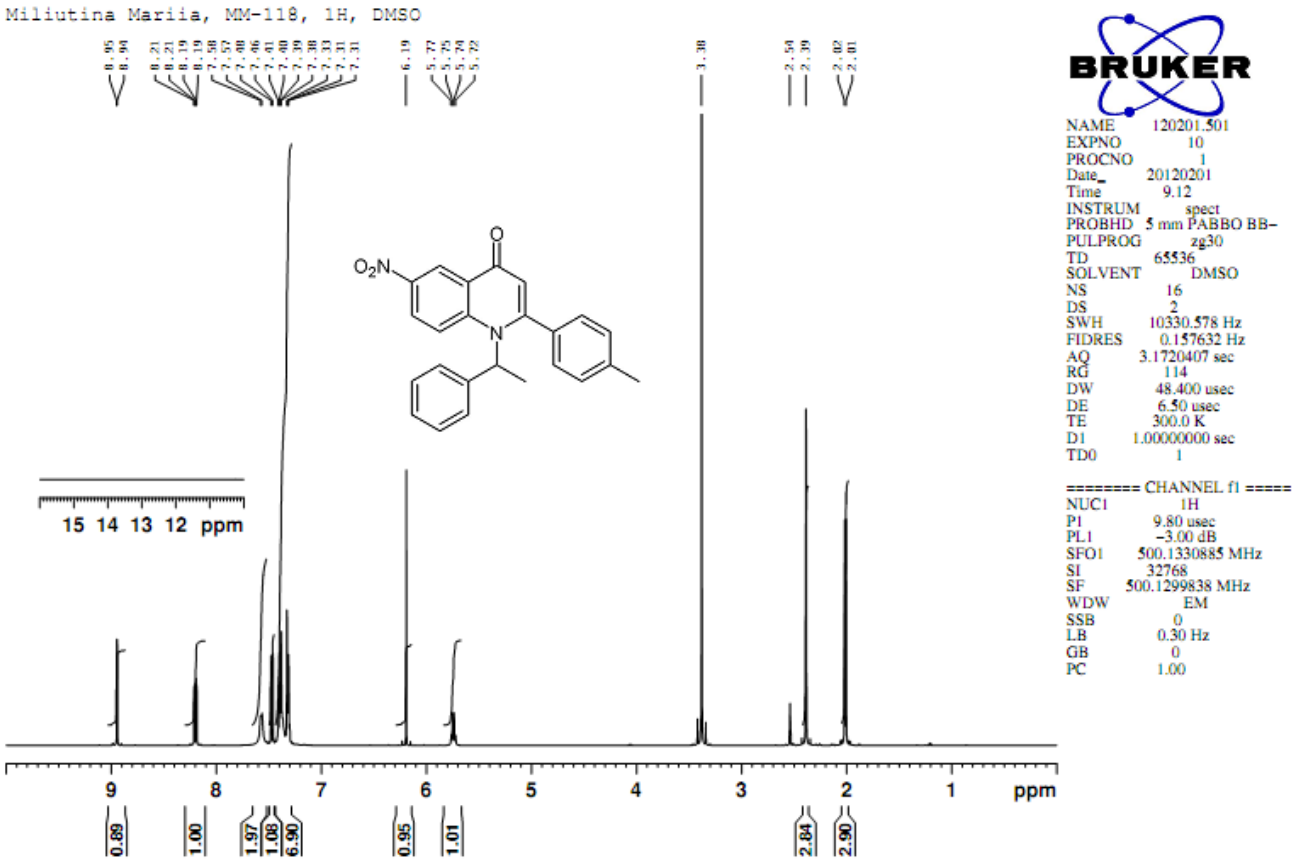
1-(4-methoxybenzyl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7ab).



BRUKER

NAME	120424.202
EXPNO	12
PROCNO	1
Date_	20120424
Time	11.47
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	1440
DW	33.333 usec
DE	10.00 usec
TE	299.7 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	62.8952402 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

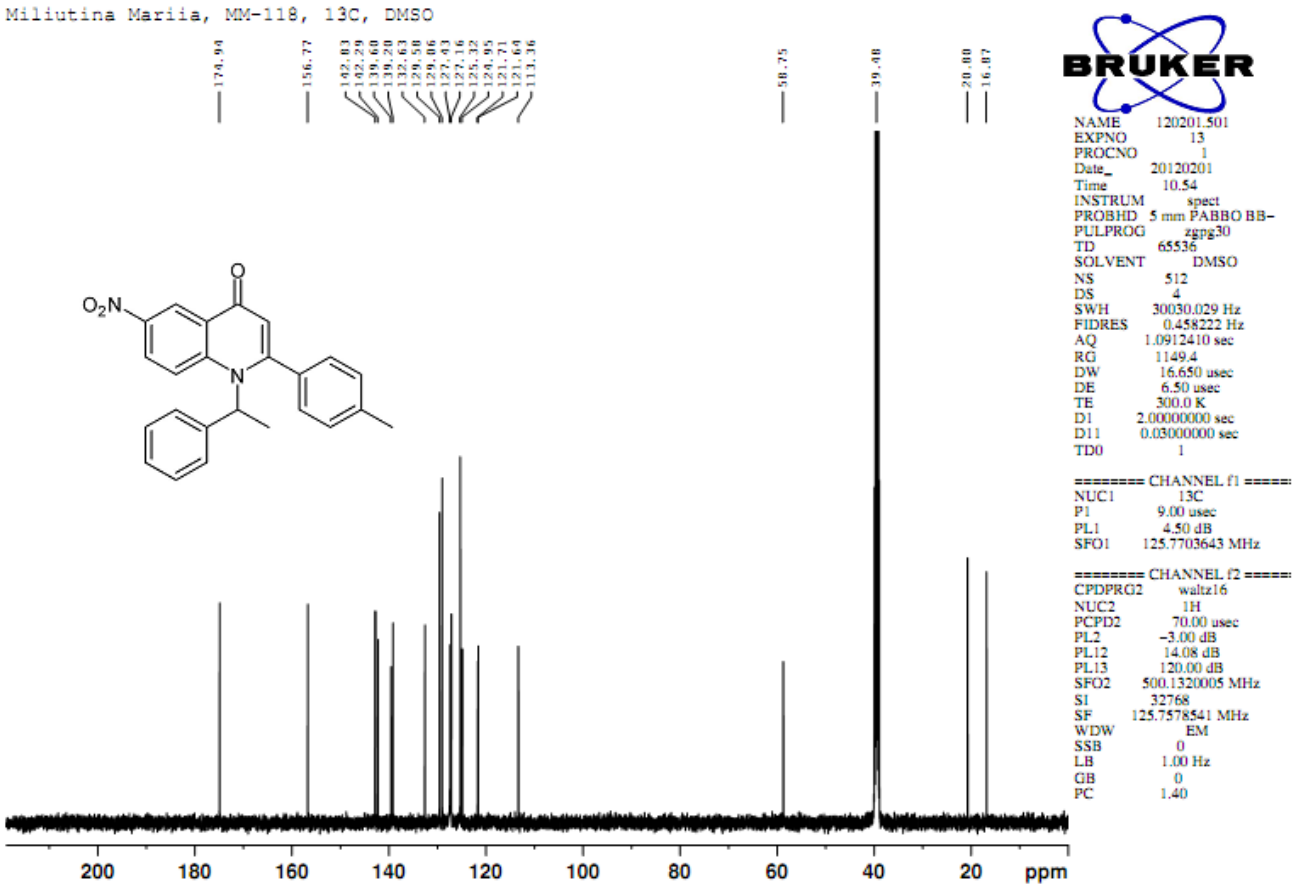
(*R*)-6-Nitro-1-(1-phenylethyl)-2-*p*-tolylquinolin-4(1*H*)-one (7ac).



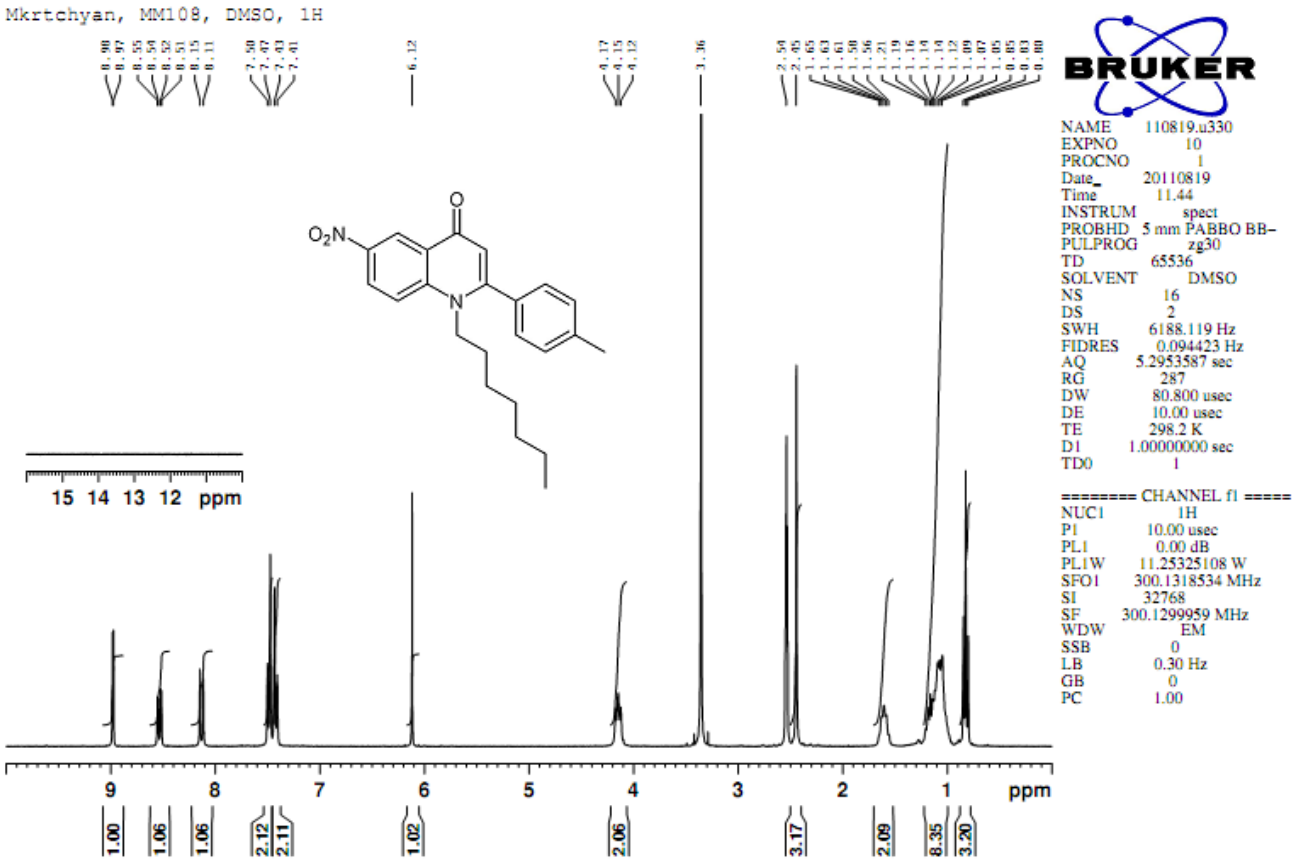
BRUKER

NAME	120201.501
EXPNO	10
PROCNO	1
Date_	20120201
Time	9.12
INSTRUM	spect
PROBHD	5 mm PABBO BB–
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	10330.578 Hz
FIDRES	0.157632 Hz
AQ	3.1720407 sec
RG	114
DW	48.400 usec
DE	6.50 usec
TE	300.0 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 =====	
NUC1	1H
P1	9.80 usec
PL1	-3.00 dB
SFO1	500.1330885 MHz
SI	32768
SF	500.1299838 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

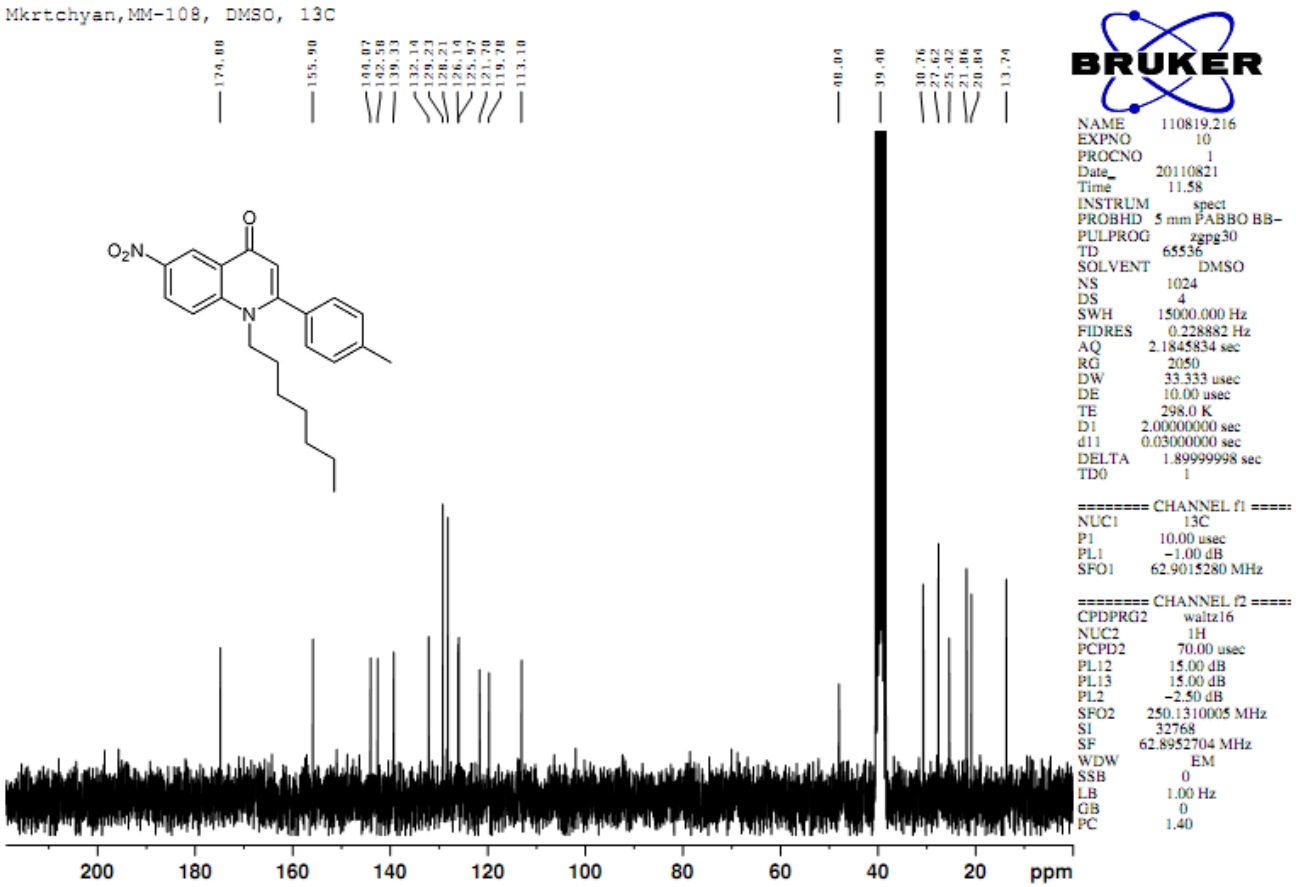
(*R*)-6-Nitro-1-(1-phenylethyl)-2-*p*-tolylquinolin-4(1*H*)-one (7ac).



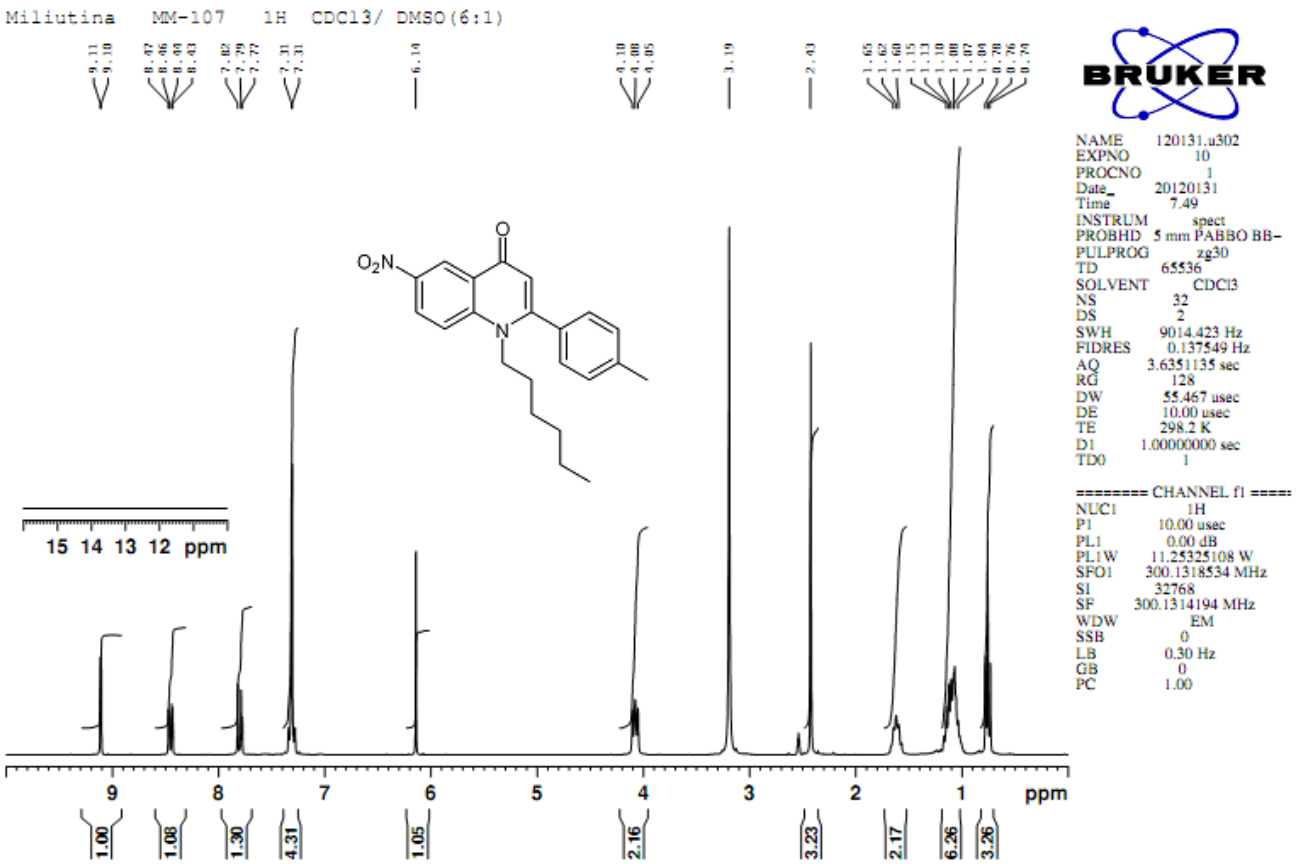
1-Heptyl-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7ad).



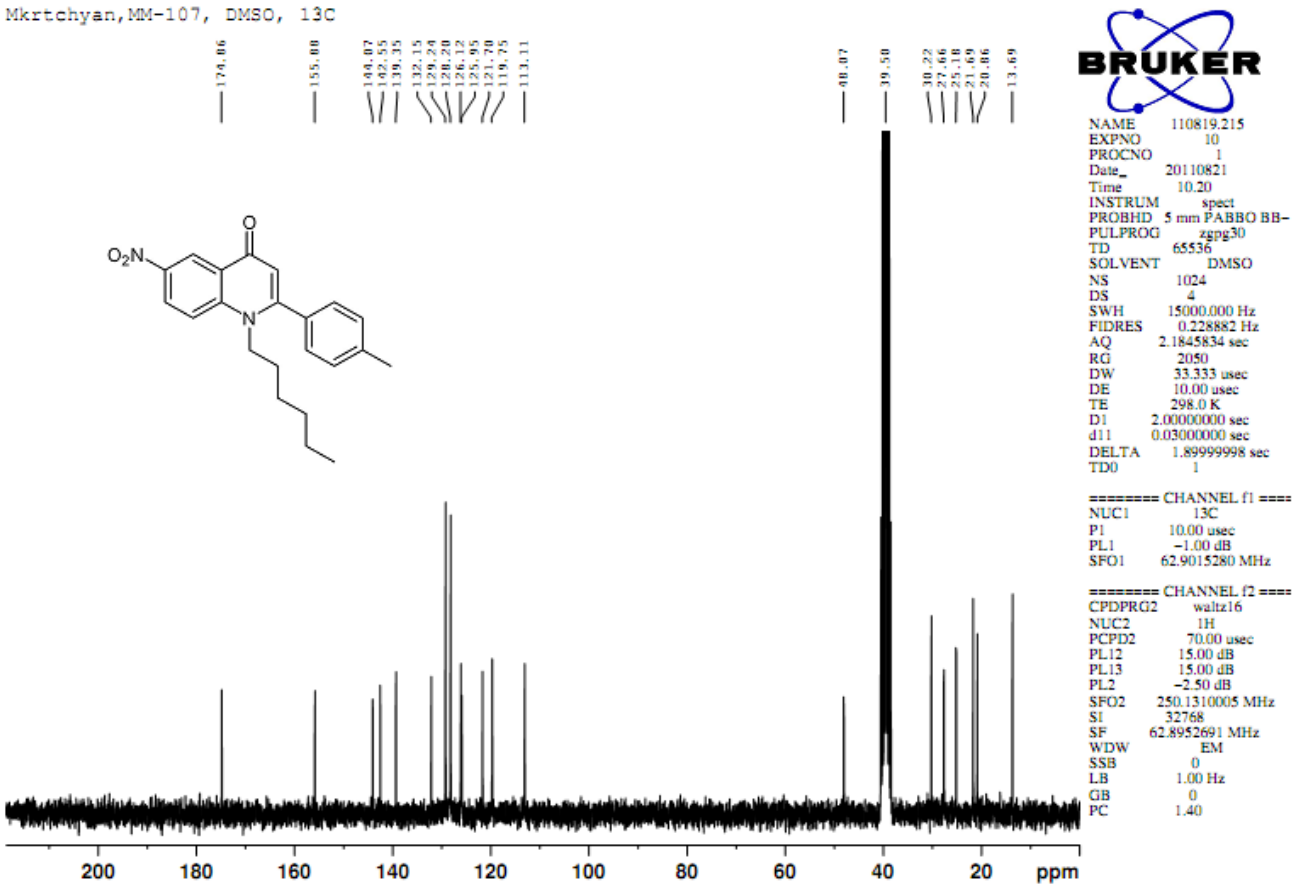
1-Heptyl-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7ad).



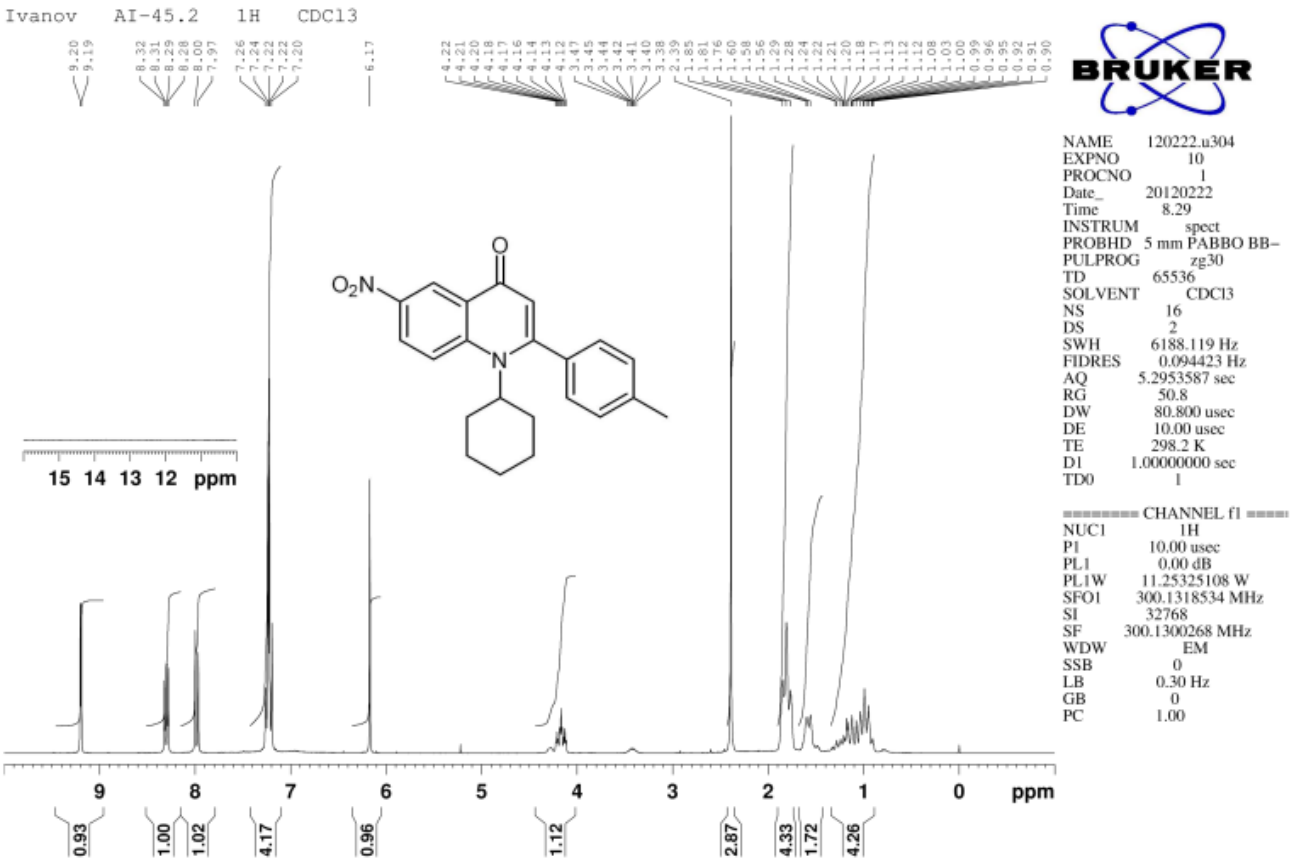
1-Hexyl-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7ae).



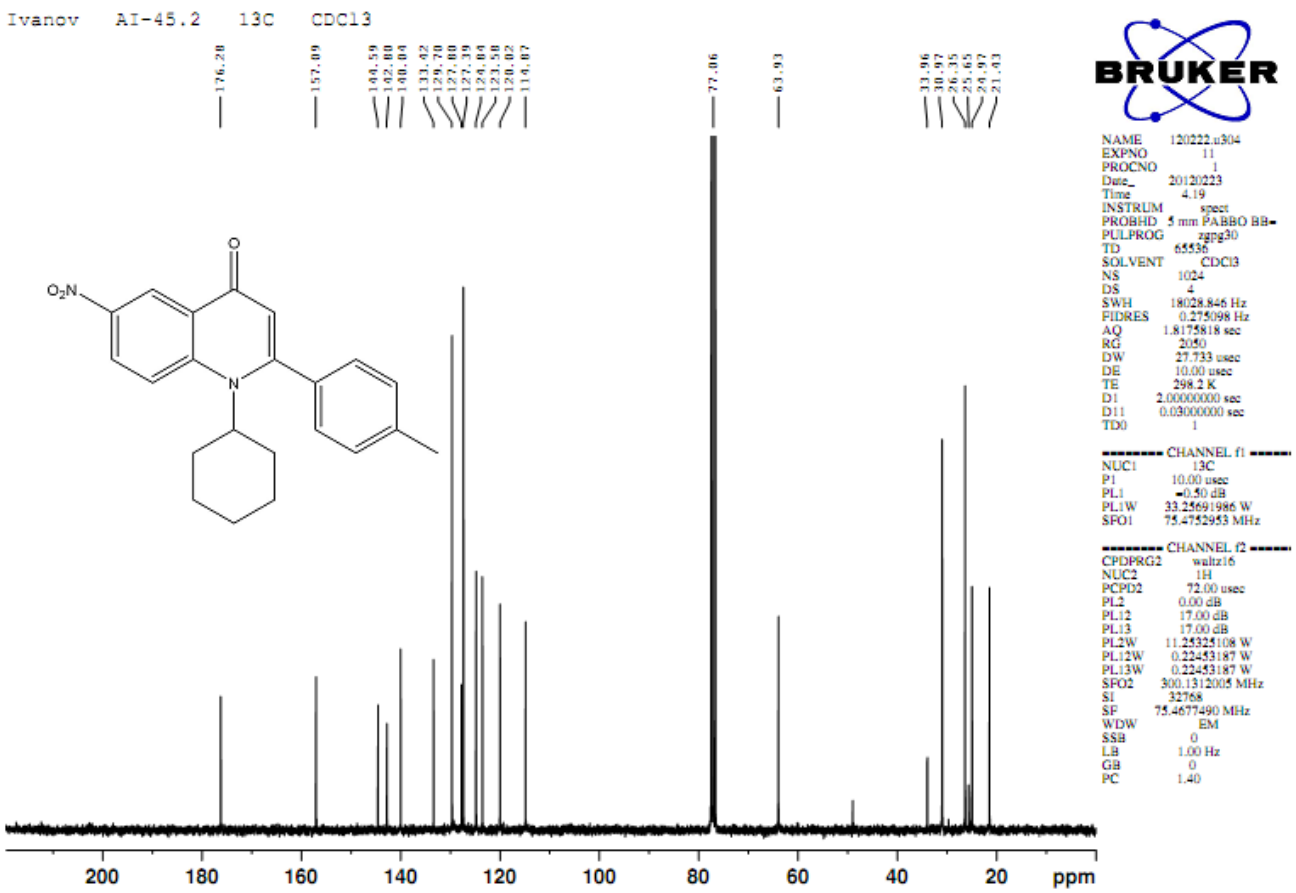
1-Hexyl-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7ae).



6-Nitro-1-cyclohexyl-2-*p*-tolyl-4-quinolone (7af).



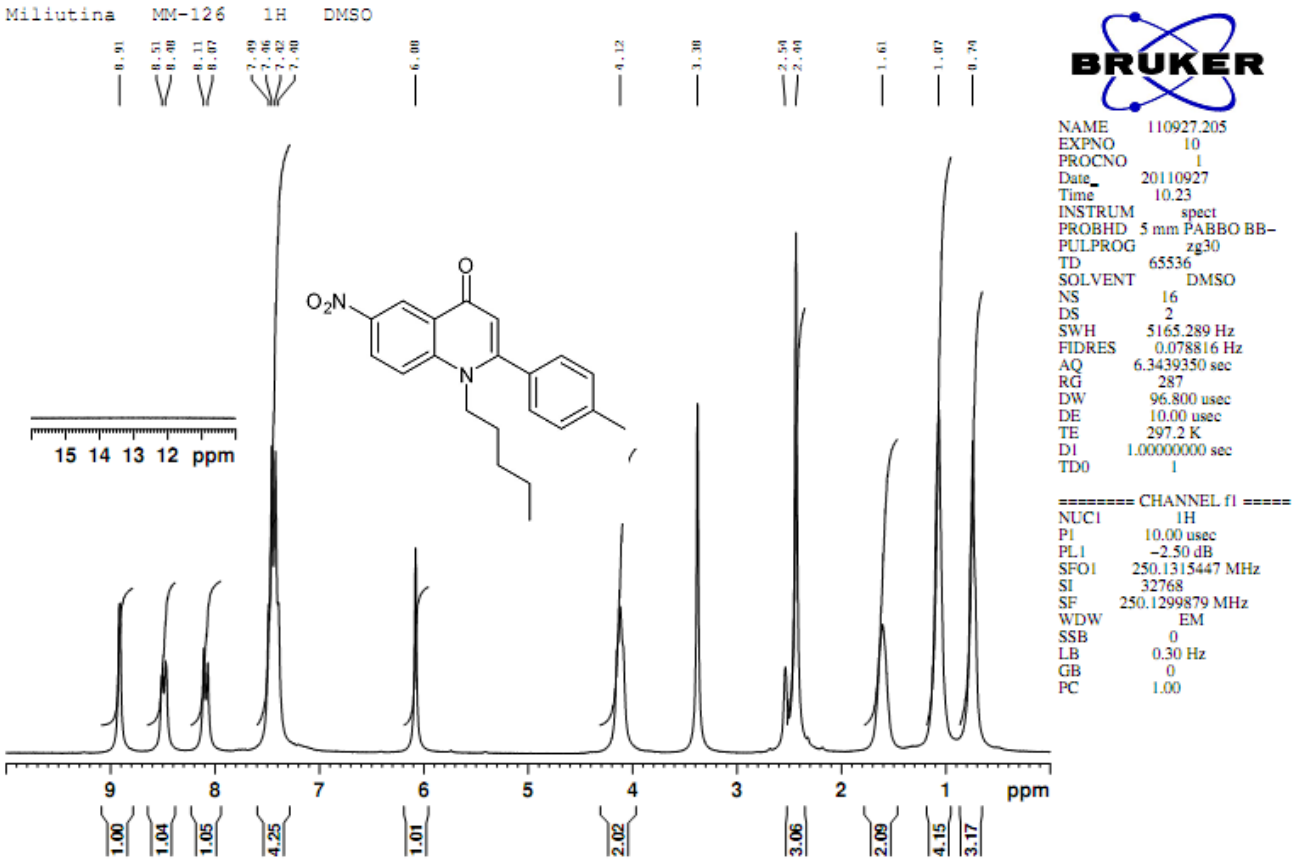
6-Nitro-1-cyclohexyl-2-*p*-tolyl-4-quinolone (7af).



BRUKER

NAME	120222.u304
EXPNO	11
PROCNO	1
Date_	20120223
Time	4.19
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	1024
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ========	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 ========	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677490 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

6-Nitro-1-pentyl-2-*p*-tolylquinolin-4(1*H*)-one (7ag).



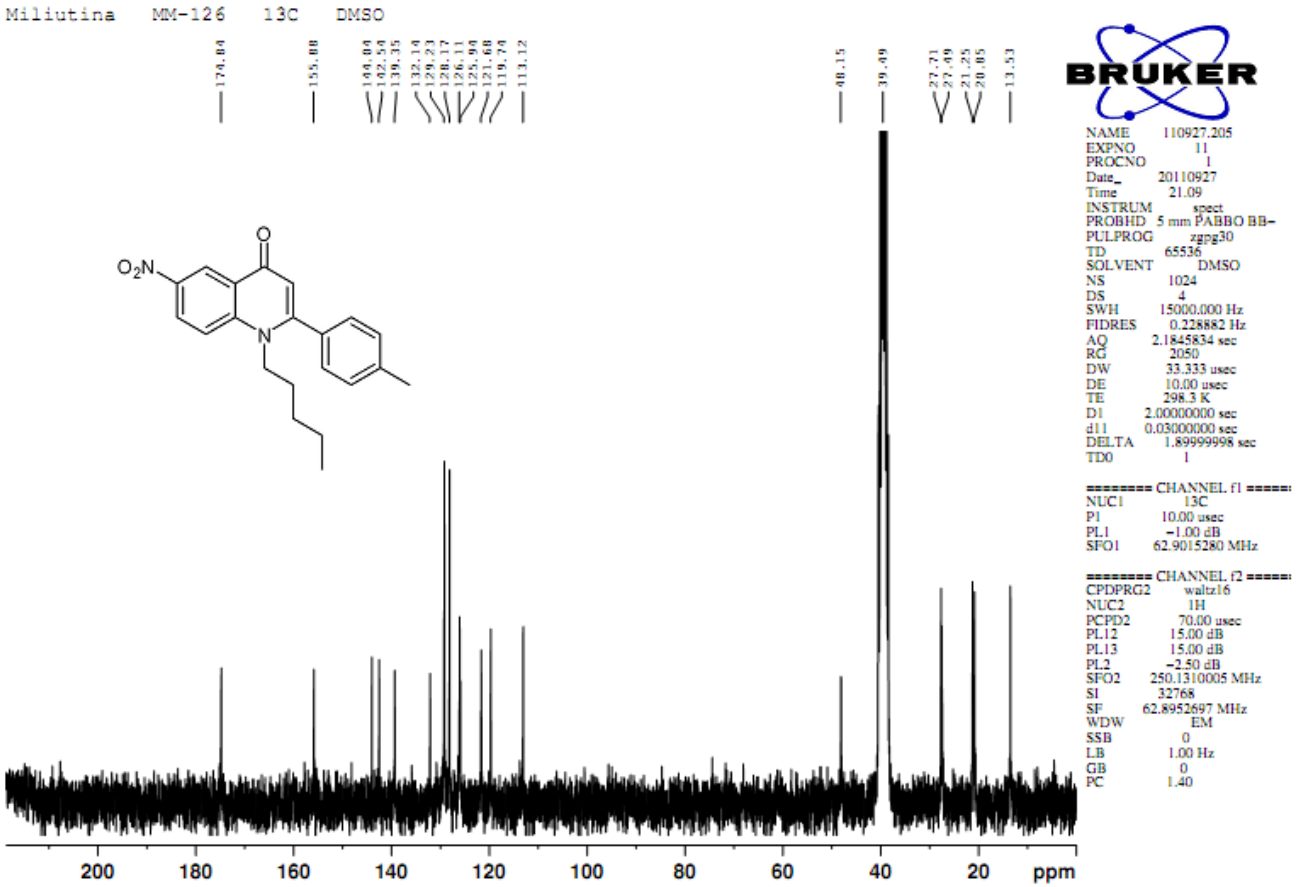
BRUKER

NAME	110927.205
EXPNO	10
PROCNO	1
Date_	20110927
Time	10.23
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	287
DW	96.800 usec
DE	10.00 usec
TE	297.2 K
D1	1.00000000 sec
TD0	1

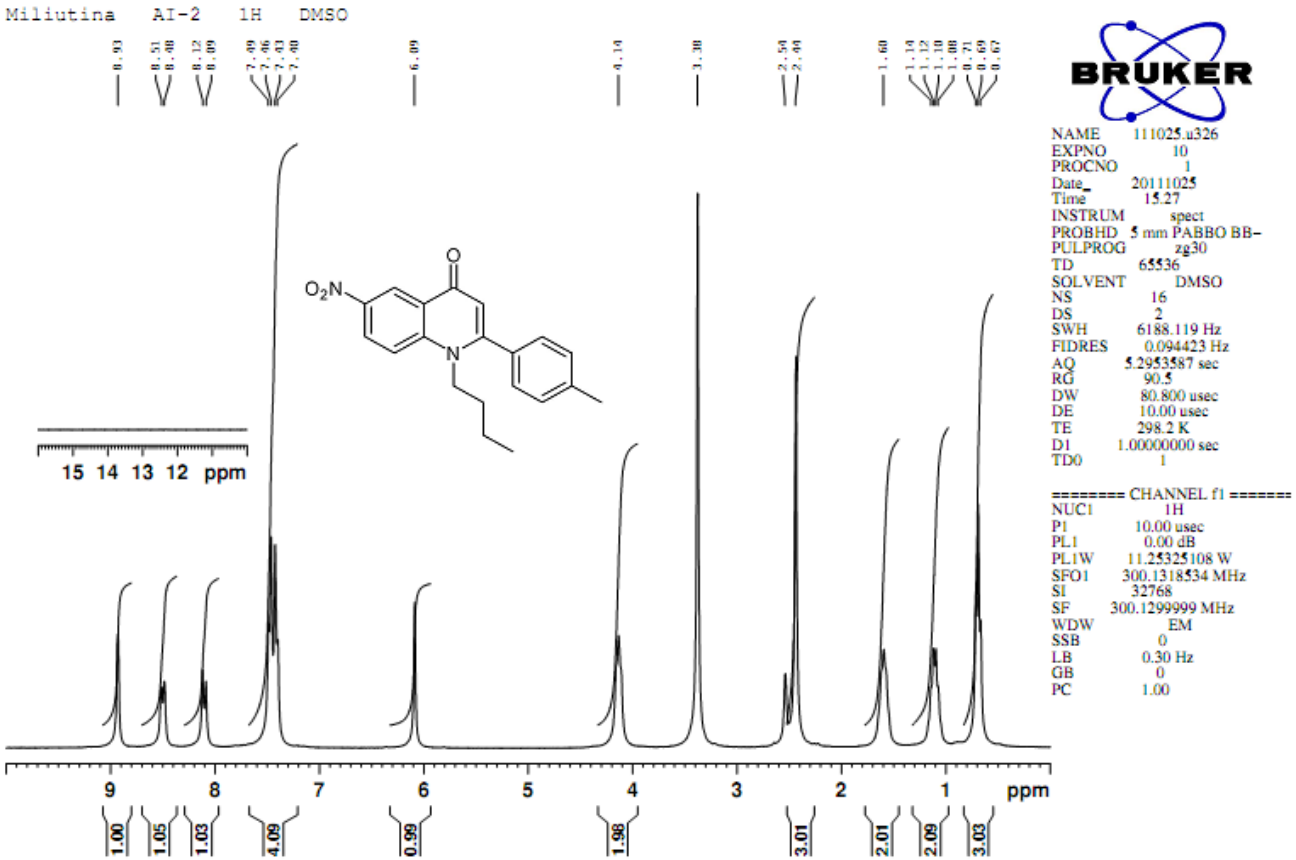
======== CHANNEL f1 =====

NUC1	1H
P1	10.00 usec
PL1	-2.50 dB
SFO1	250.1315447 MHz
SI	32768
SF	250.1299879 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

6-Nitro-1-pentyl-2-*p*-tolylquinolin-4(1*H*)-one (7ag).



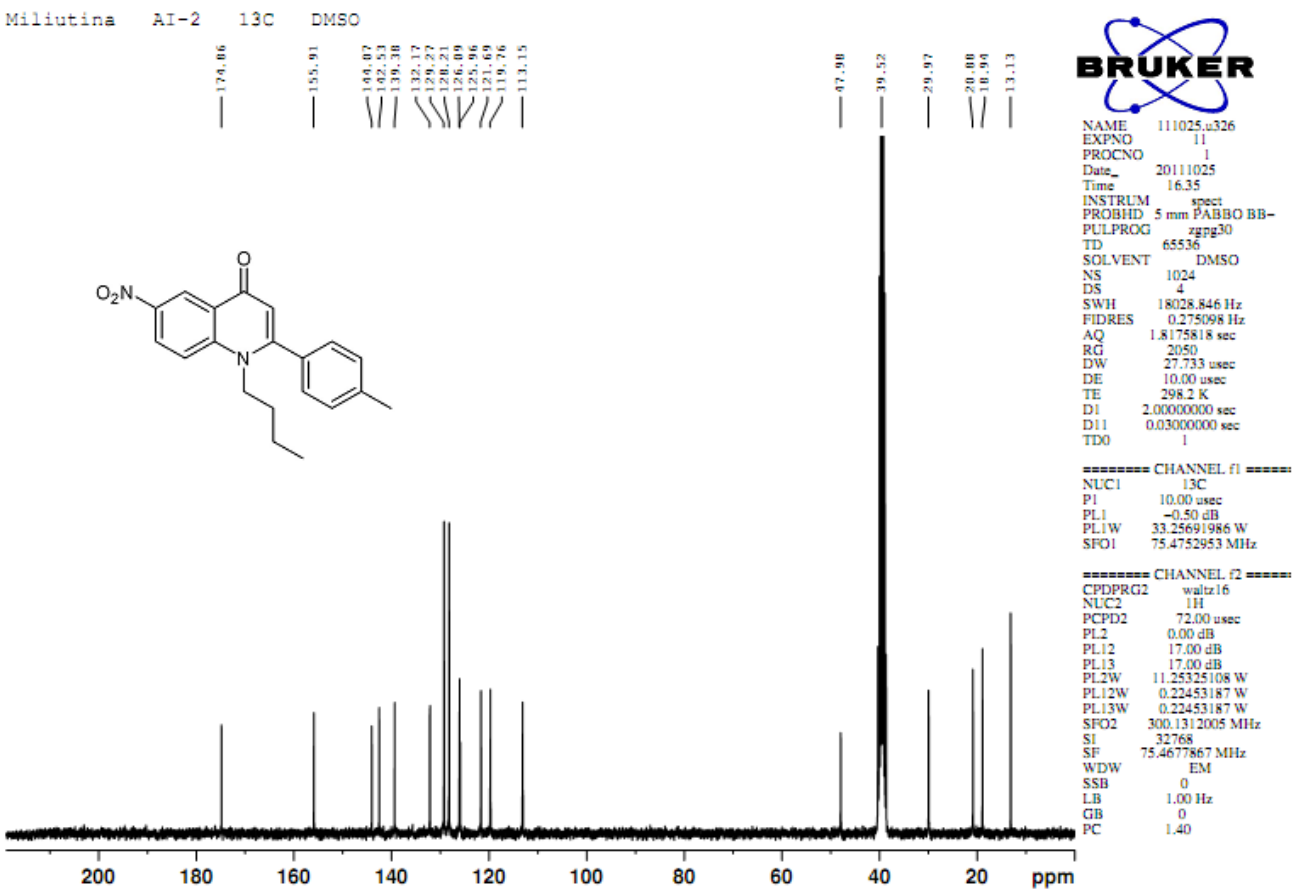
1-*n*-Butyl-6-nitro-2-*p*-tolyl-4-quinolone (7ah).



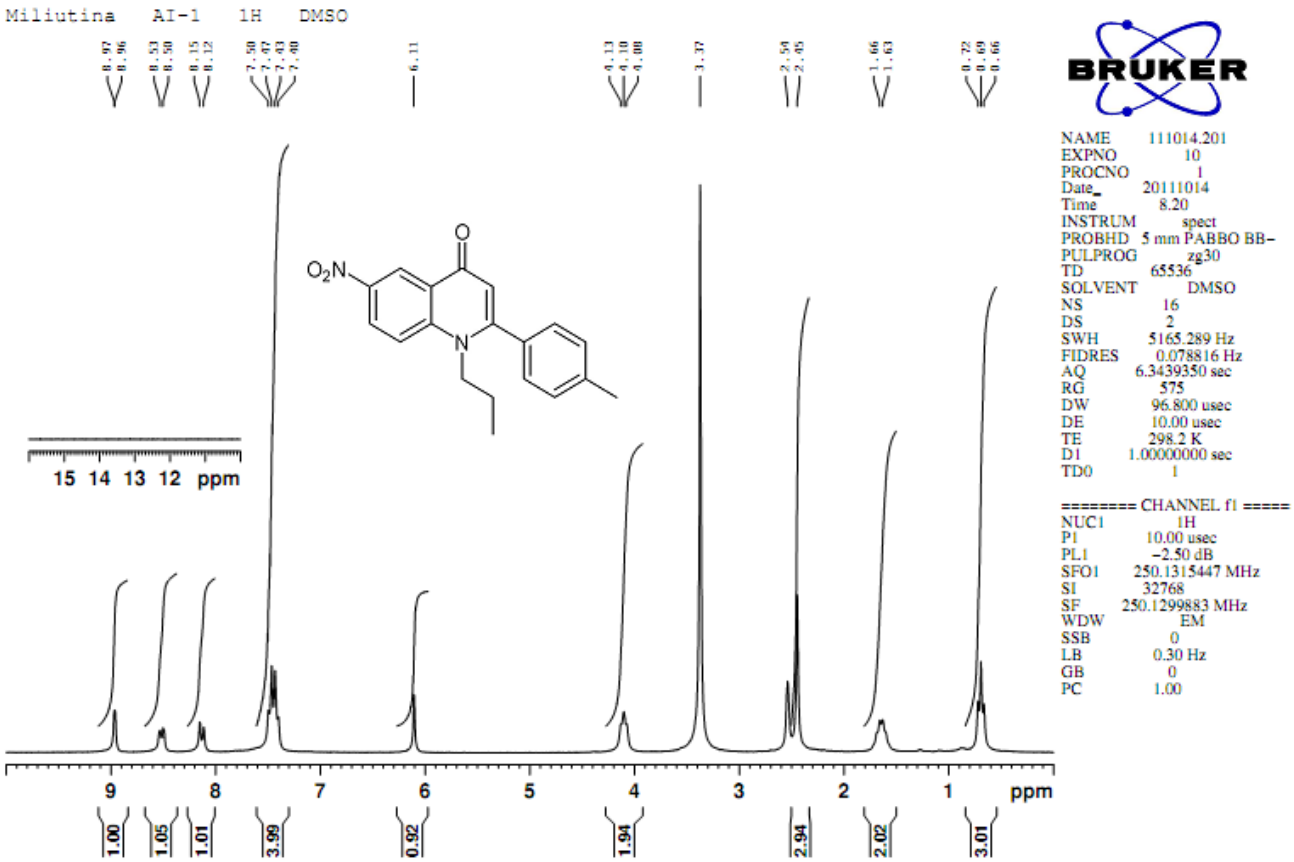
NAME 111025.u326
EXPNO 10
PROCNO 1
Date_ 20111025
Time 15.27
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 90.5
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =======
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299999 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1-*n*-Butyl-6-nitro-2-*p*-tolyl-4-quinolone (7ah).



6-Nitro-1-*n*-propyl-2-*p*-tolyl-4-quinolone (7ai).

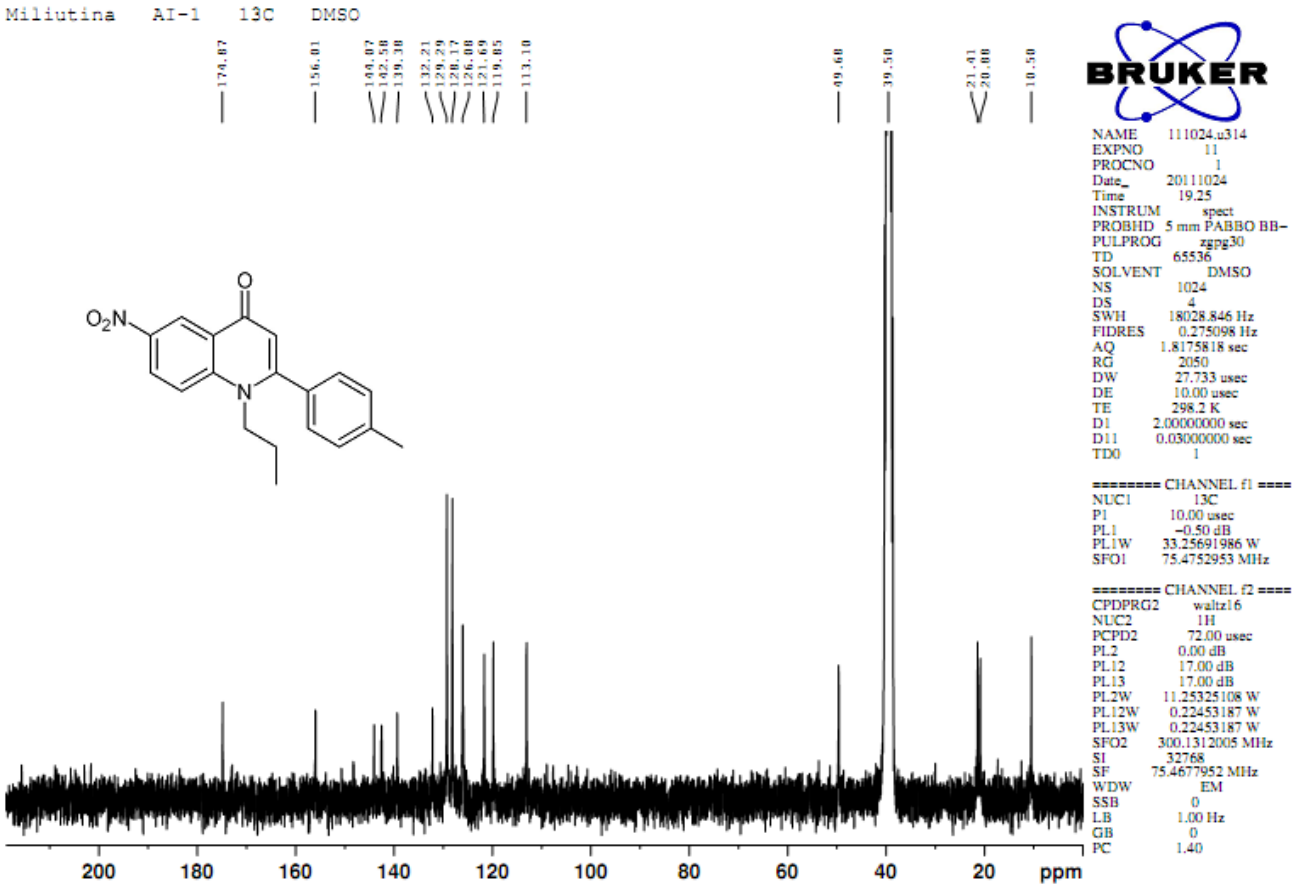


BRUKER

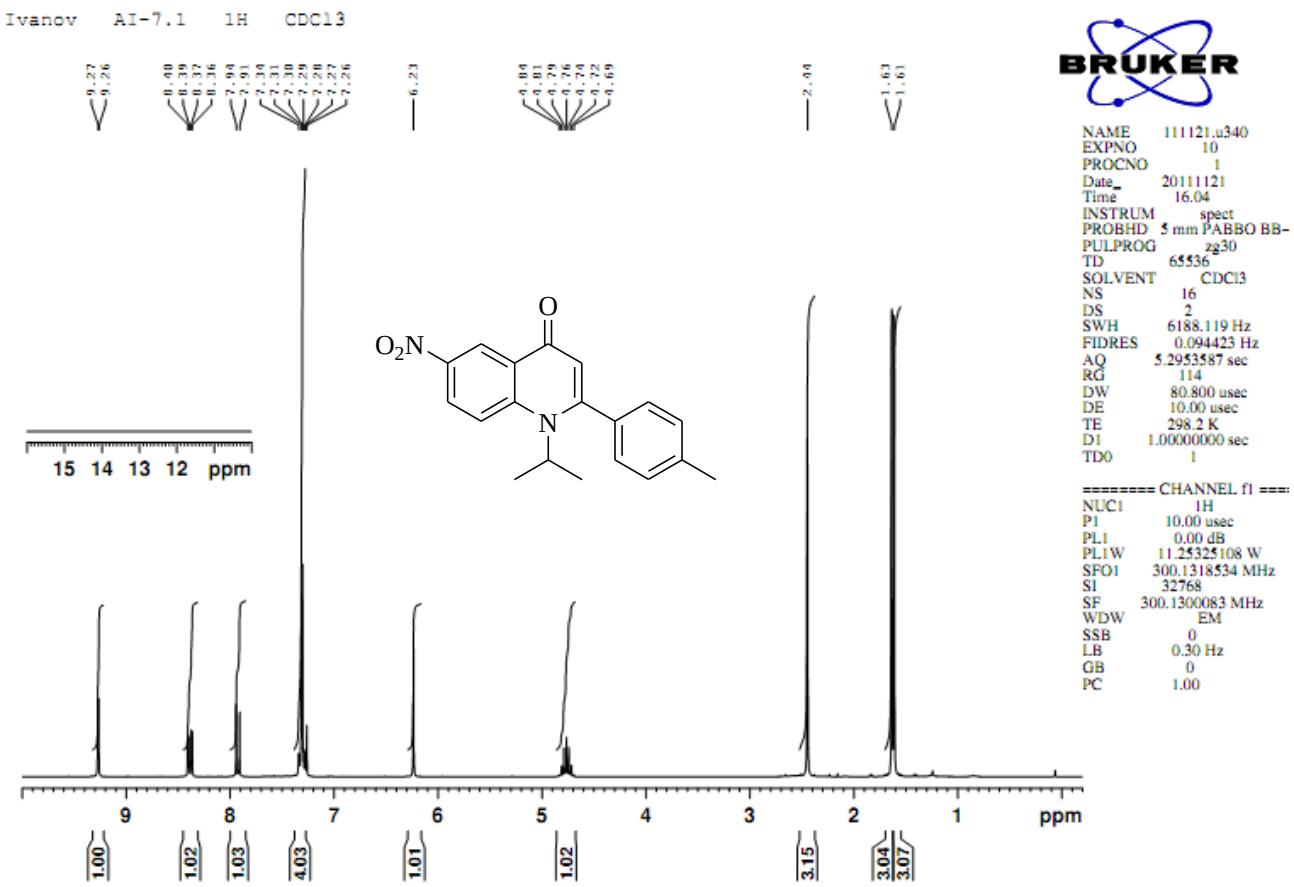
NAME 111014.201
EXPNO 10
PROCNO 1
Date_ 20111014
Time 8.20
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 5165.289 Hz
FIDRES 0.078816 Hz
AQ 6.3439350 sec
RG 575
DW 96.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 -2.50 dB
SFO1 250.1315447 MHz
SI 32768
SF 250.1299883 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

6-Nitro-1-*n*-propyl-2-*p*-tolyl-4-quinolone (7ai).



1-*iso*-Propyl-6-nitro-2-*p*-tolyl-4-quinolone (7aj).



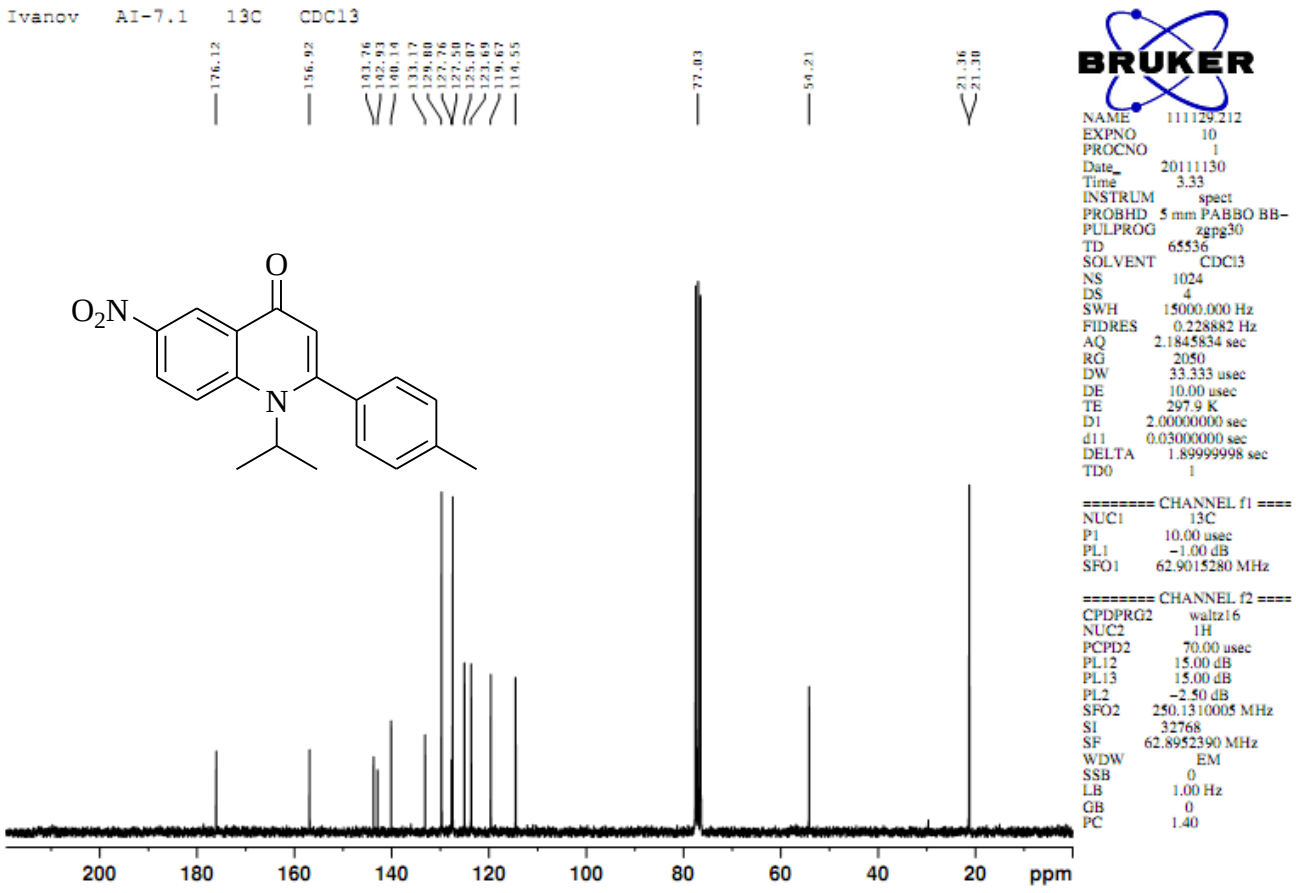
BRUKER

NAME	111121.u340
EXPNO	10
PROCNO	1
Date_	20111121
Time	16.04
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	114
DW	80.800 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1

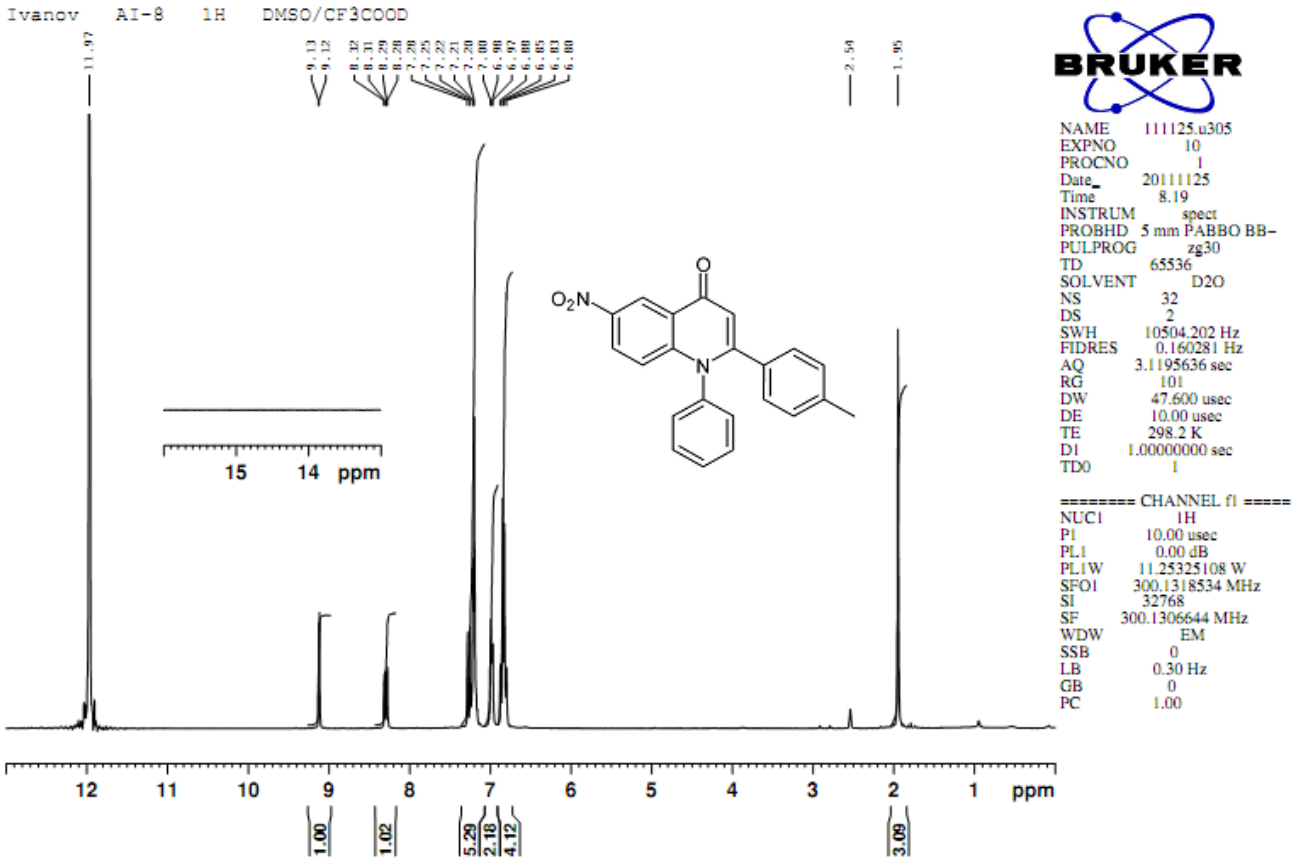
======== CHANNEL f1 ====

NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300083 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

1-*iso*-Propyl-6-nitro-2-*p*-tolyl-4-quinolone (7aj).



6-Nitro-1-phenyl-2-*p*-tolyl-4-quinolone (7ak).

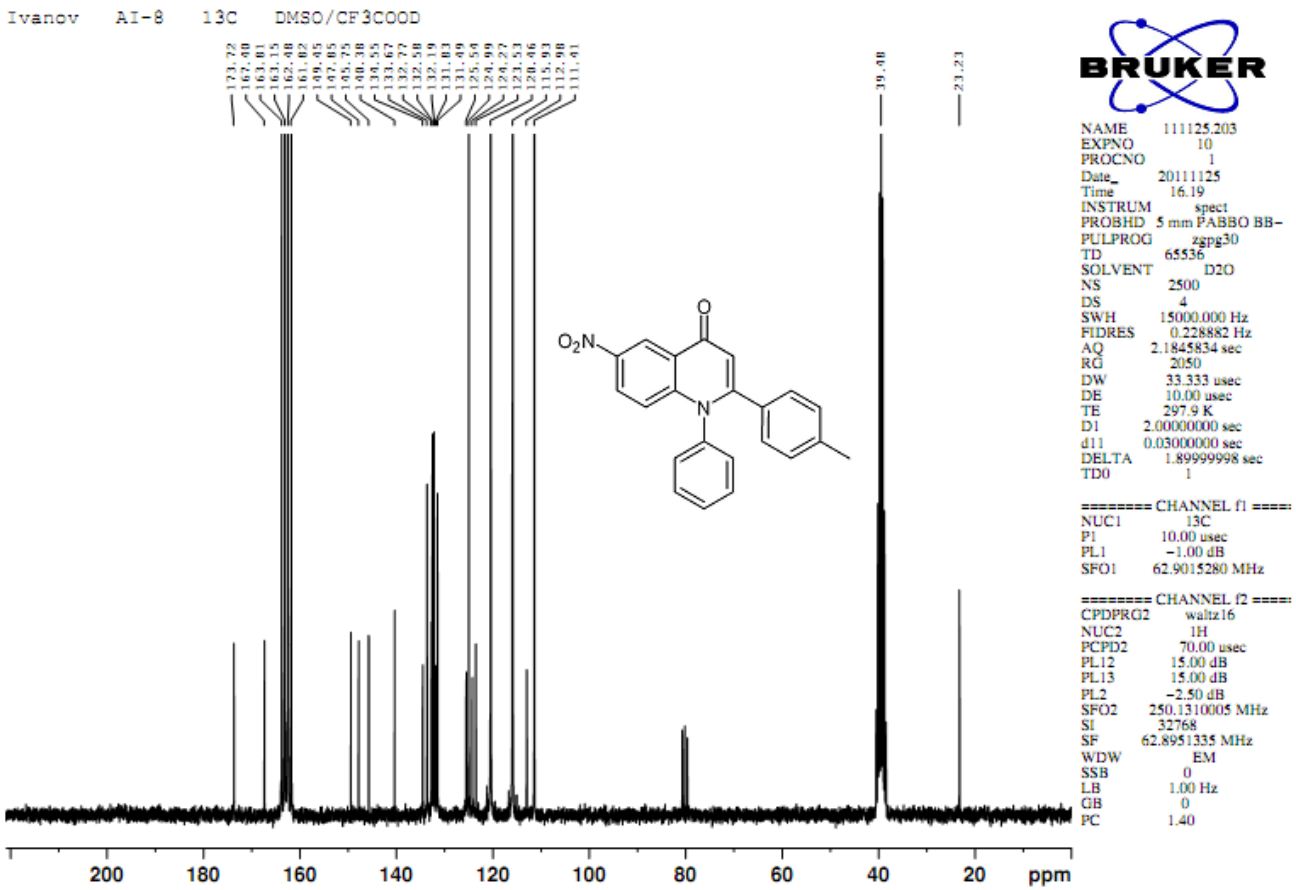


BRUKER

NAME 111125.u305
EXPNO 10
PROCNO 1
Date_ 20111125
Time 8.19
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT D2O
NS 32
DS 2
SWH 10504.202 Hz
FIDRES 0.160281 Hz
AQ 3.1195636 sec
RG 101
DW 47.600 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1306644 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

6-Nitro-1-phenyl-2-*p*-tolyl-4-quinolone (7ak).



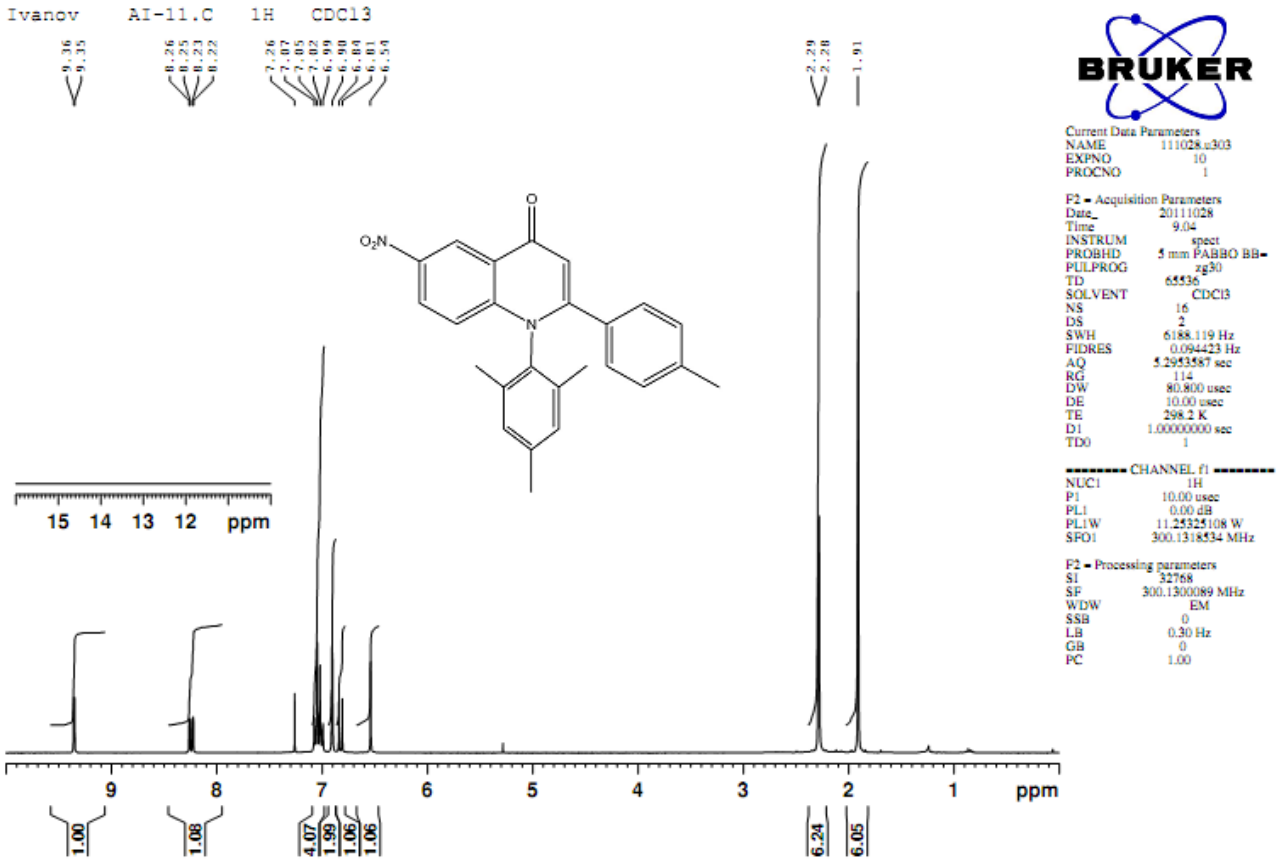
BRUKER

NAME 111125.203
EXPNO 10
PROCNO 1
Date_ 20111125
Time 16.19
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT D2O
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 62.8951335 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

6-Nitro-2-*p*-tolyl-2,4,6-trimethylphenyl-4-quinolone (7al).



BRUKER

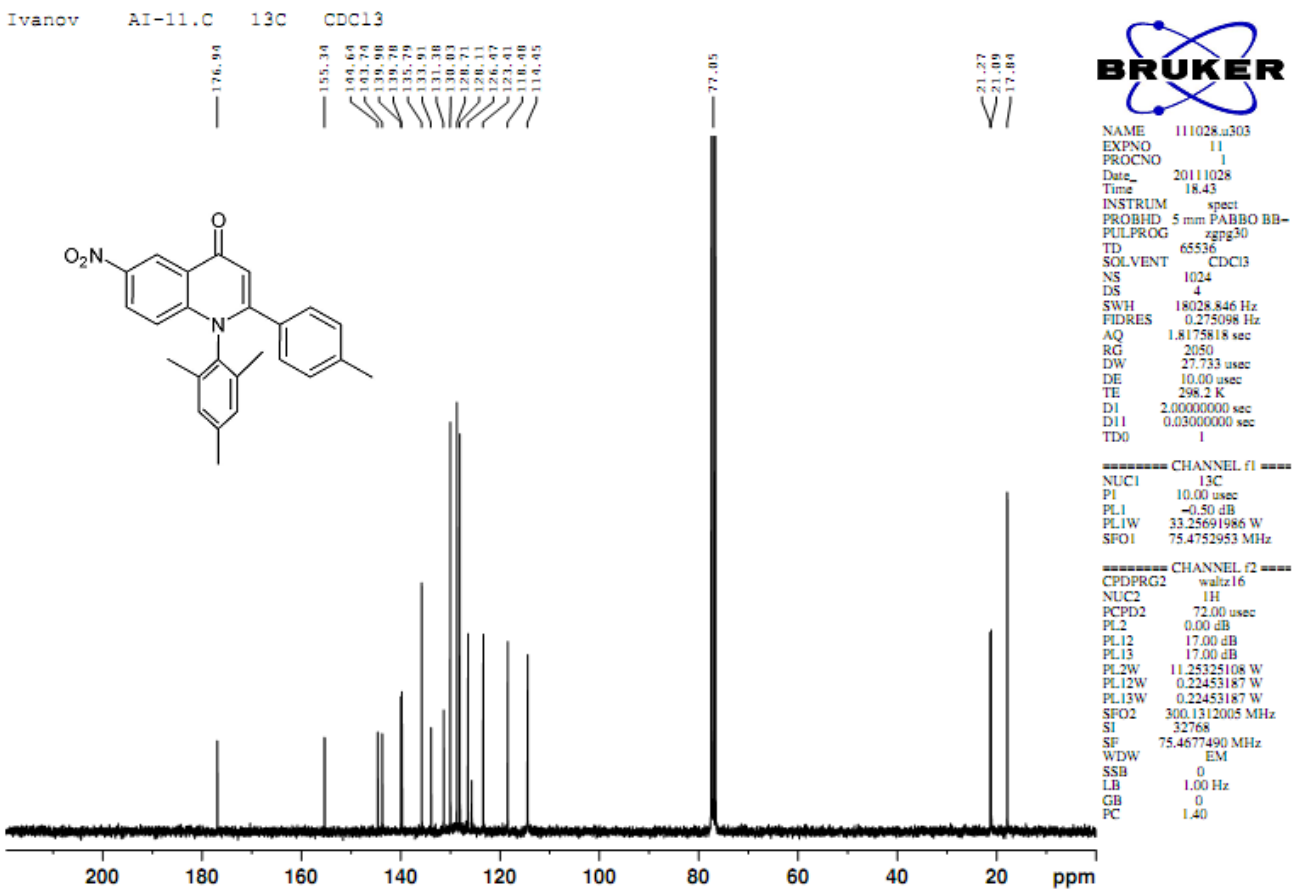
Current Data Parameters
NAME 111028.u303
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20111028
Time 9.04
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 114
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

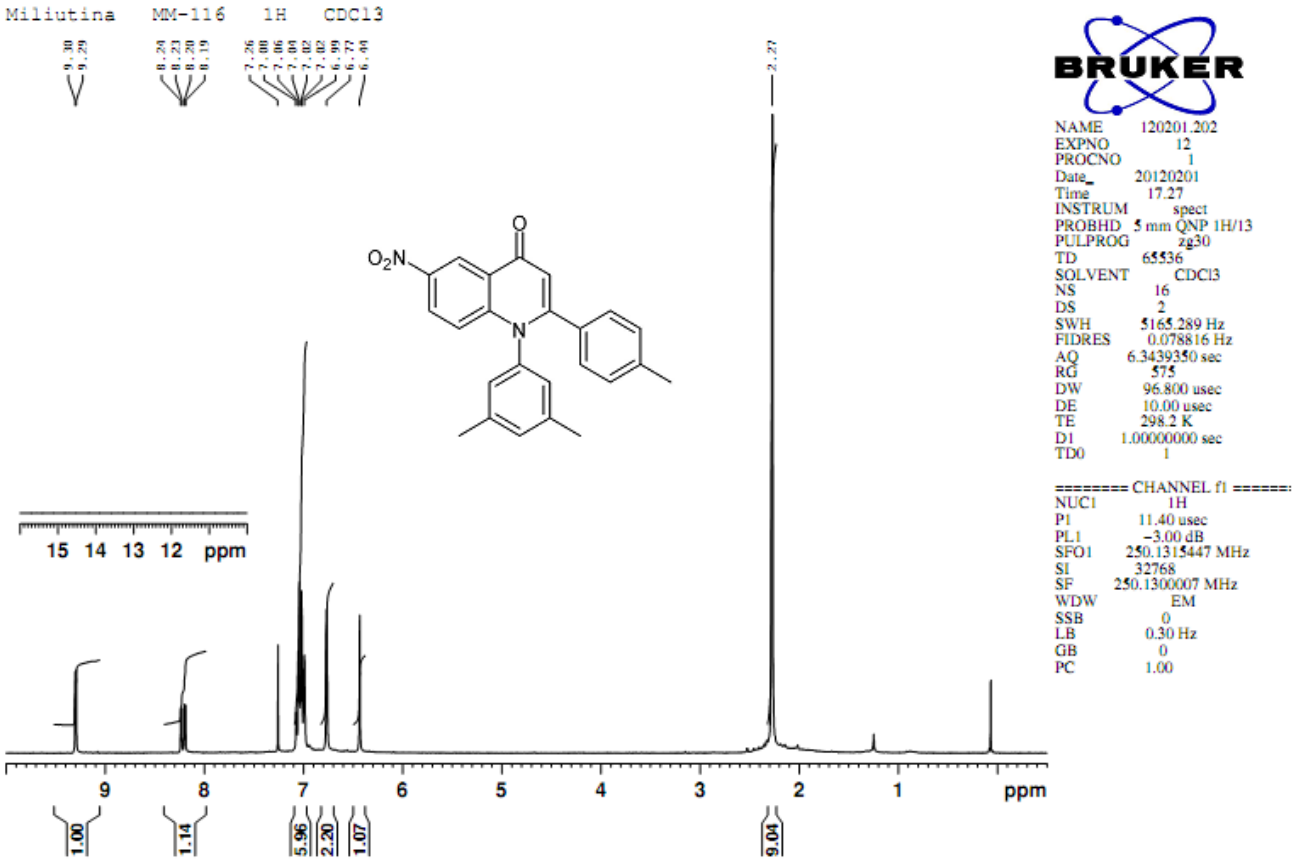
======== CHANNEL f1 ========
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 32768
SF 300.1300089 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

6-Nitro-2-*p*-tolyl-2,4,6-trimethylphenyl-4-quinolone (7al).



1-(3,5-Dimethylphenyl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7am).

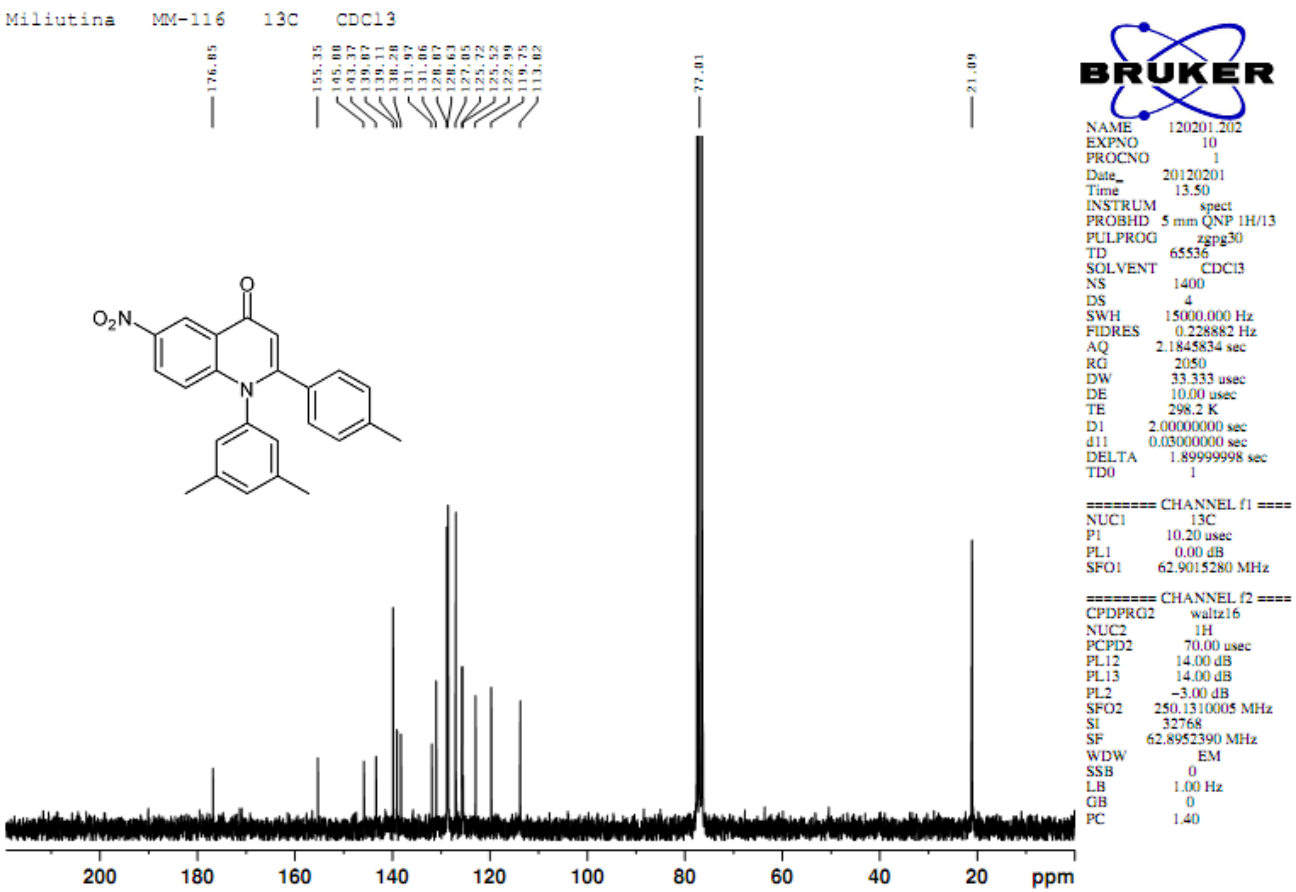


BRUKER

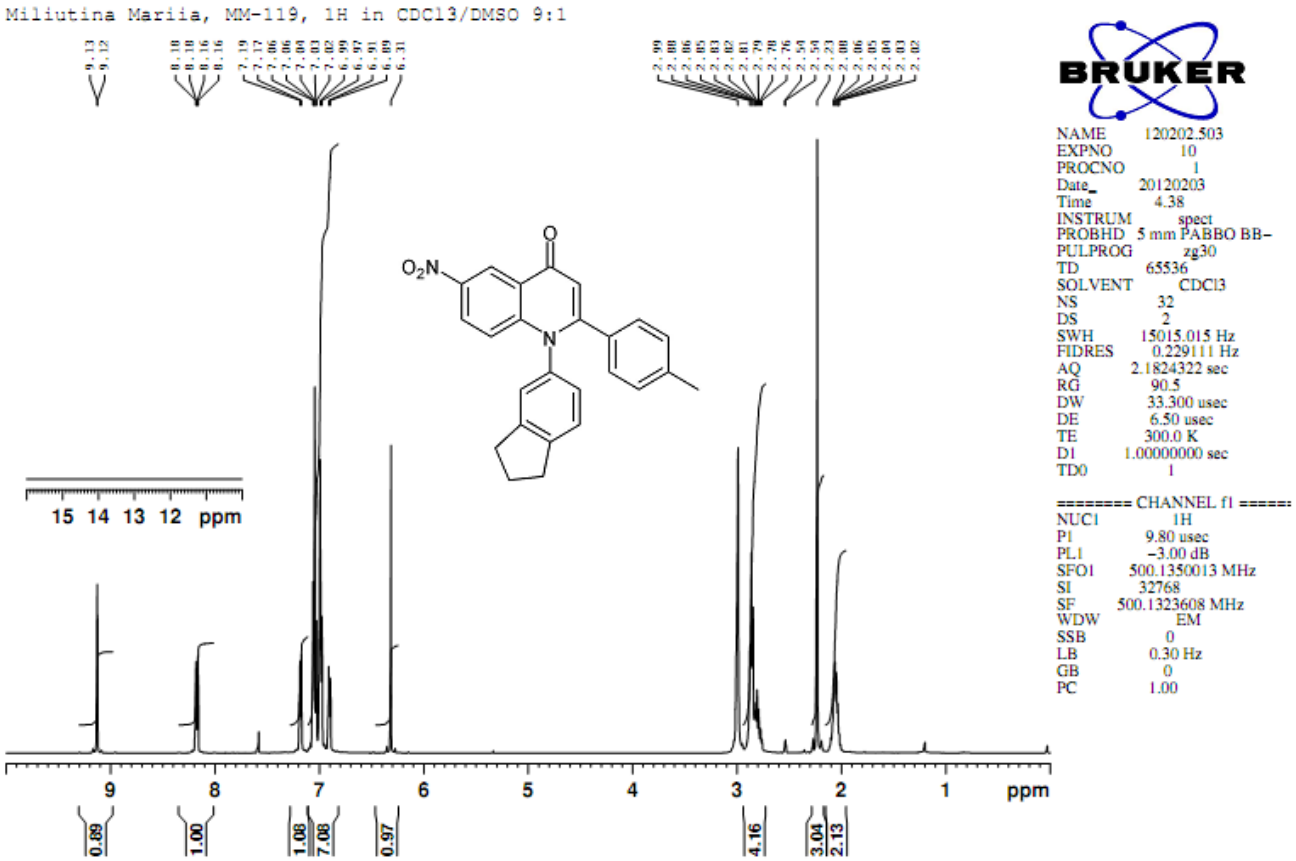
NAME 120201.202
EXPNO 12
PROCNO 1
Date_ 20120201
Time 17.27
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 5165.289 Hz
FIDRES 0.078816 Hz
AQ 6.3439350 sec
RG 575
DW 96.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =======
NUC1 1H
P1 11.40 usec
PL1 -3.00 dB
SFO1 250.1315447 MHz
SI 32768
SF 250.1300007 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1-(3,5-Dimethylphenyl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7am).



1-(2,3-Dihydro-1*H*-inden-5-yl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7an).



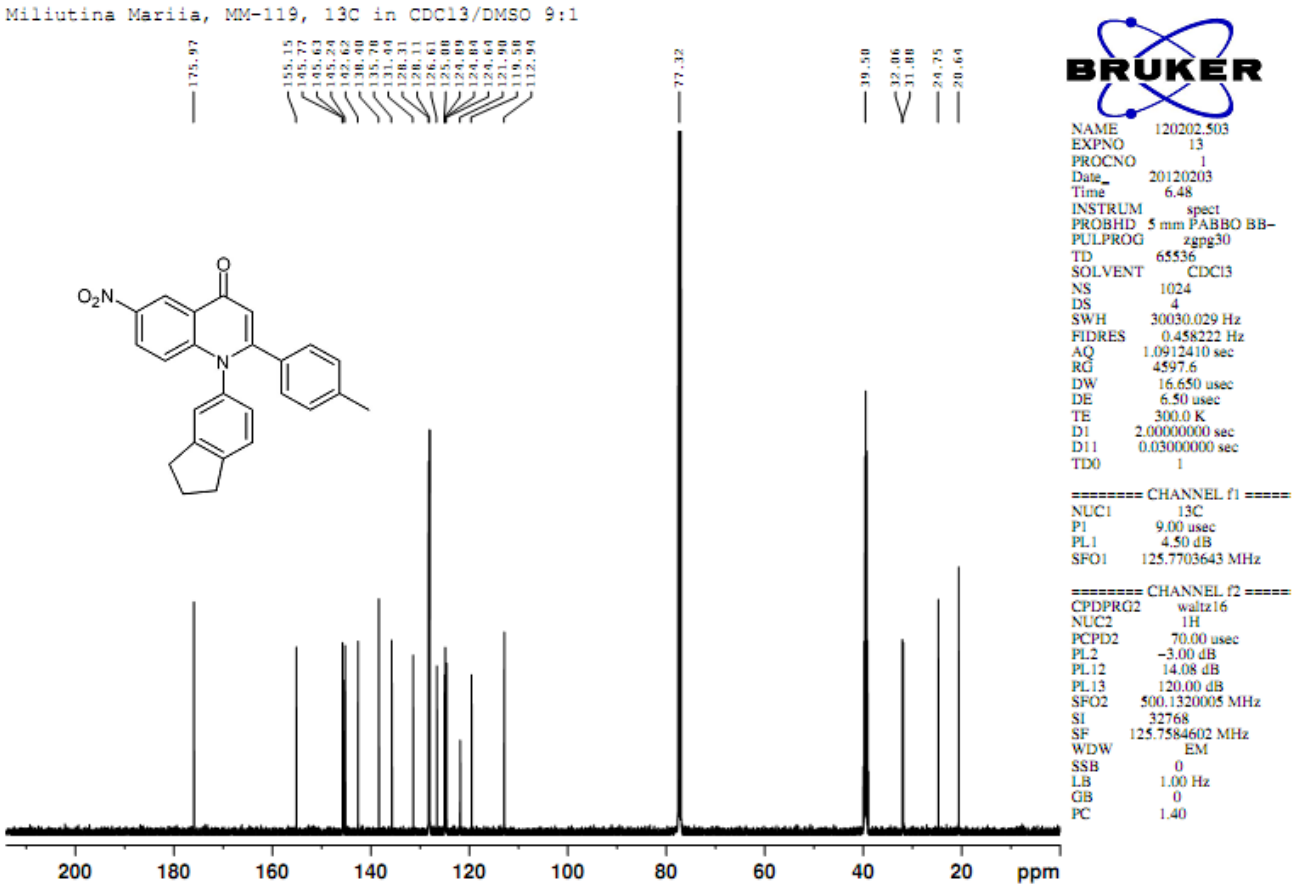
BRUKER

NAME	120202.503
EXPNO	10
PROCNO	1
Date_	20120203
Time	4.38
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	32
DS	2
SWH	15015.015 Hz
FIDRES	0.229111 Hz
AQ	2.1824322 sec
RG	90.5
DW	33.300 usec
DE	6.50 usec
TE	300.0 K
D1	1.00000000 sec
TD0	1

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

NUC1	1H
P1	9.80 usec
PL1	-3.00 dB
SFO1	500.1350013 MHz
SI	32768
SF	500.1323608 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

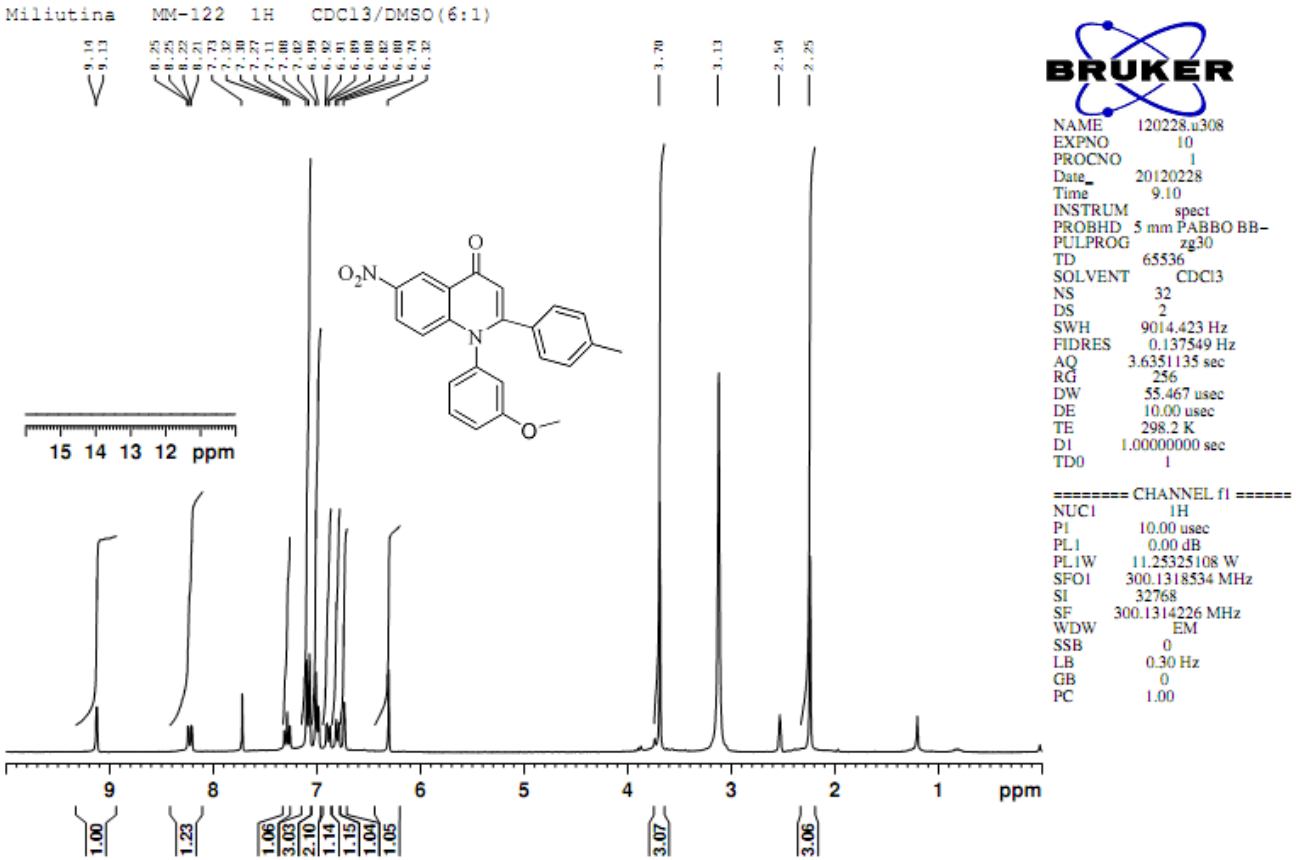
1-(2,3-Dihydro-1*H*-inden-5-yl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7an).



BRUKER

NAME	120202.503
EXPNO	13
PROCNO	1
Date_	20120203
Time	6.48
INSTRUM	spect
PROBHD	5 mm PABBO BB–
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	1024
DS	4
SWH	30030.029 Hz
FIDRES	0.458222 Hz
AQ	1.0912410 sec
RG	4597.6
DW	16.650 usec
DE	6.50 usec
TE	300.0 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 =====	
NUC1	13C
P1	9.00 usec
PL1	4.50 dB
SFO1	125.7703643 MHz
======== CHANNEL f2 =====	
CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL2	–3.00 dB
PL12	14.08 dB
PL13	120.00 dB
SFO2	500.1320005 MHz
SI	32768
SF	125.7584602 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

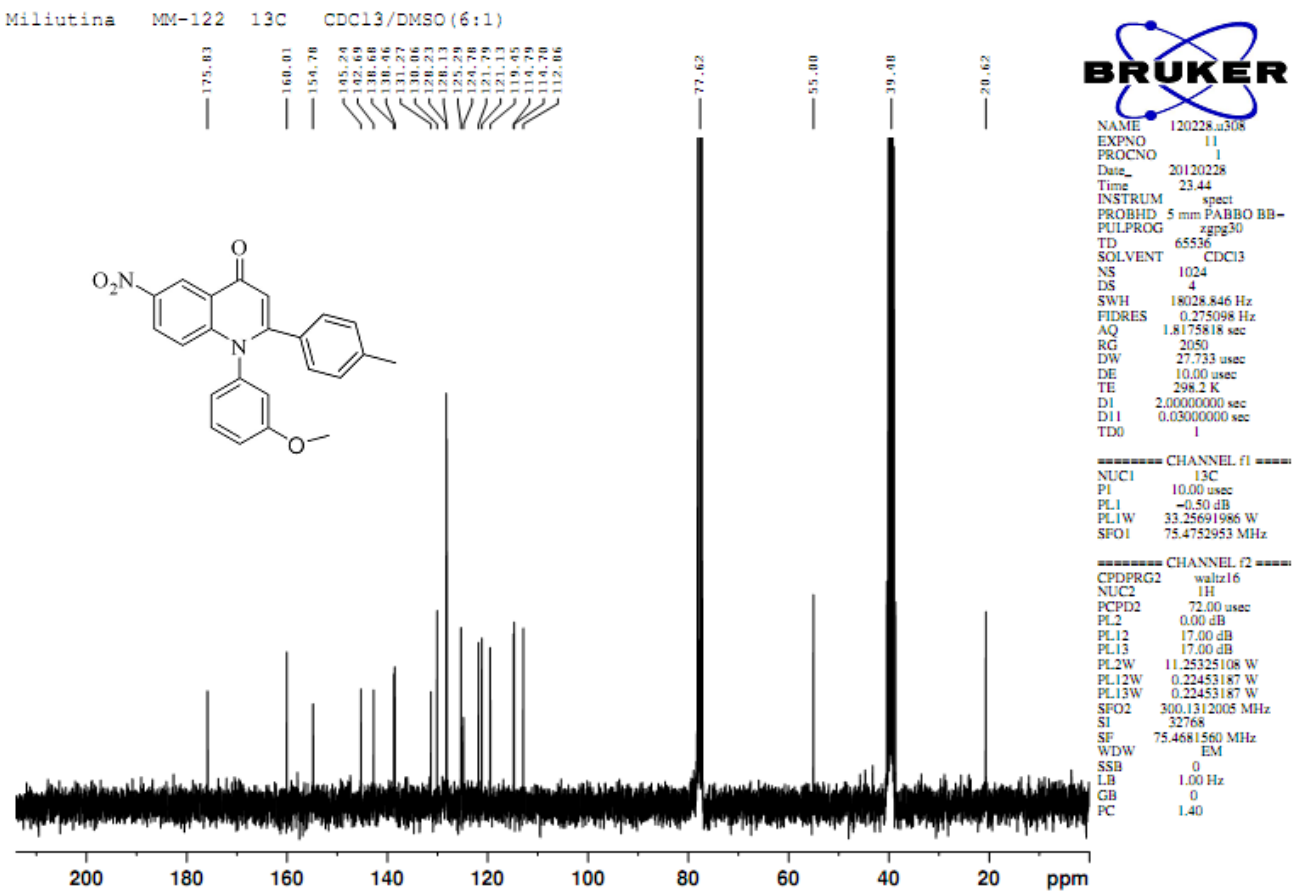
1-(3-Methoxyphenyl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7ao).



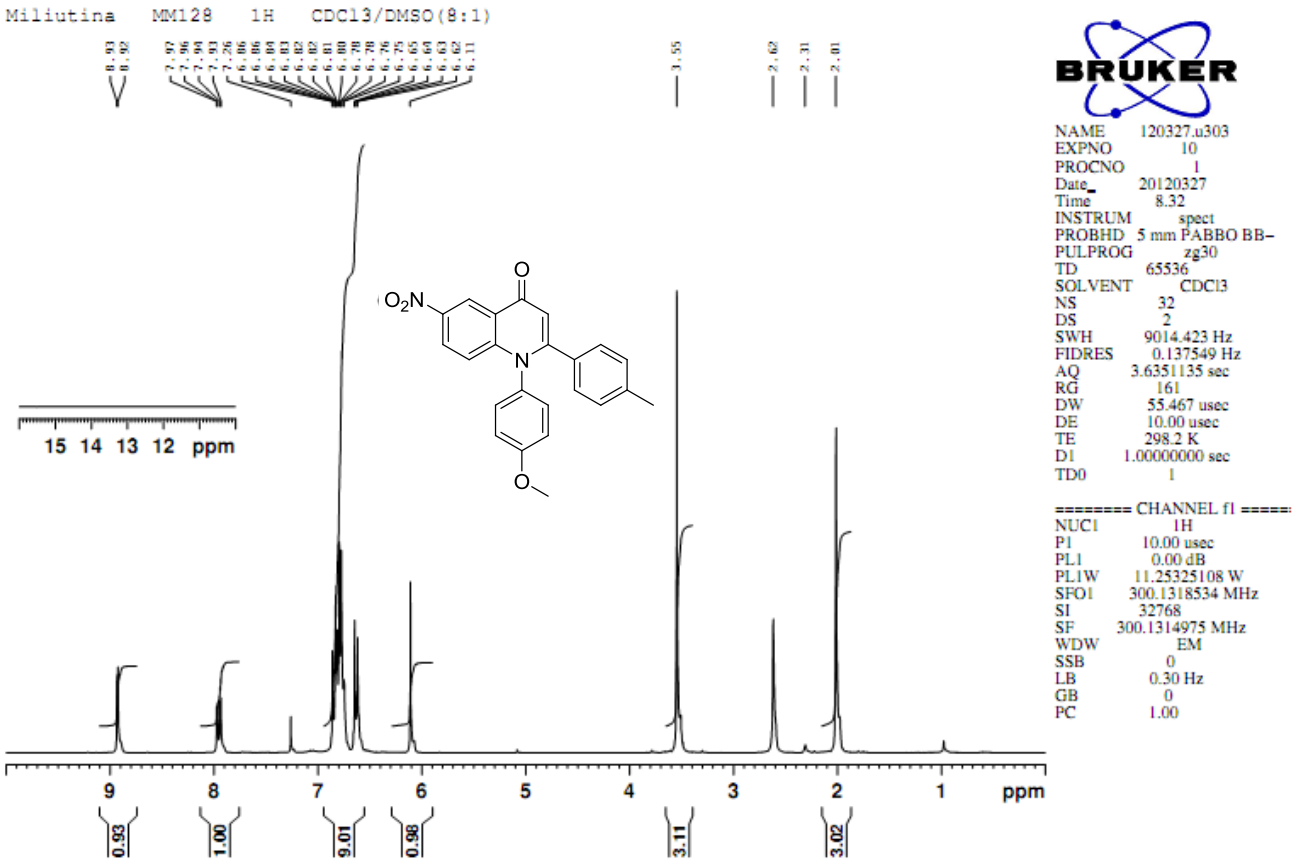
NAME 120228.u308
EXPNO 10
PROCNO 1
Date_ 20120228
Time 9.10
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 32
DS 2
SWH 9014.423 Hz
FIDRES 0.137549 Hz
AQ 3.6351135 sec
RG 256
DW 55.467 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ======
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1314226 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1-(3-Methoxyphenyl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7ao).



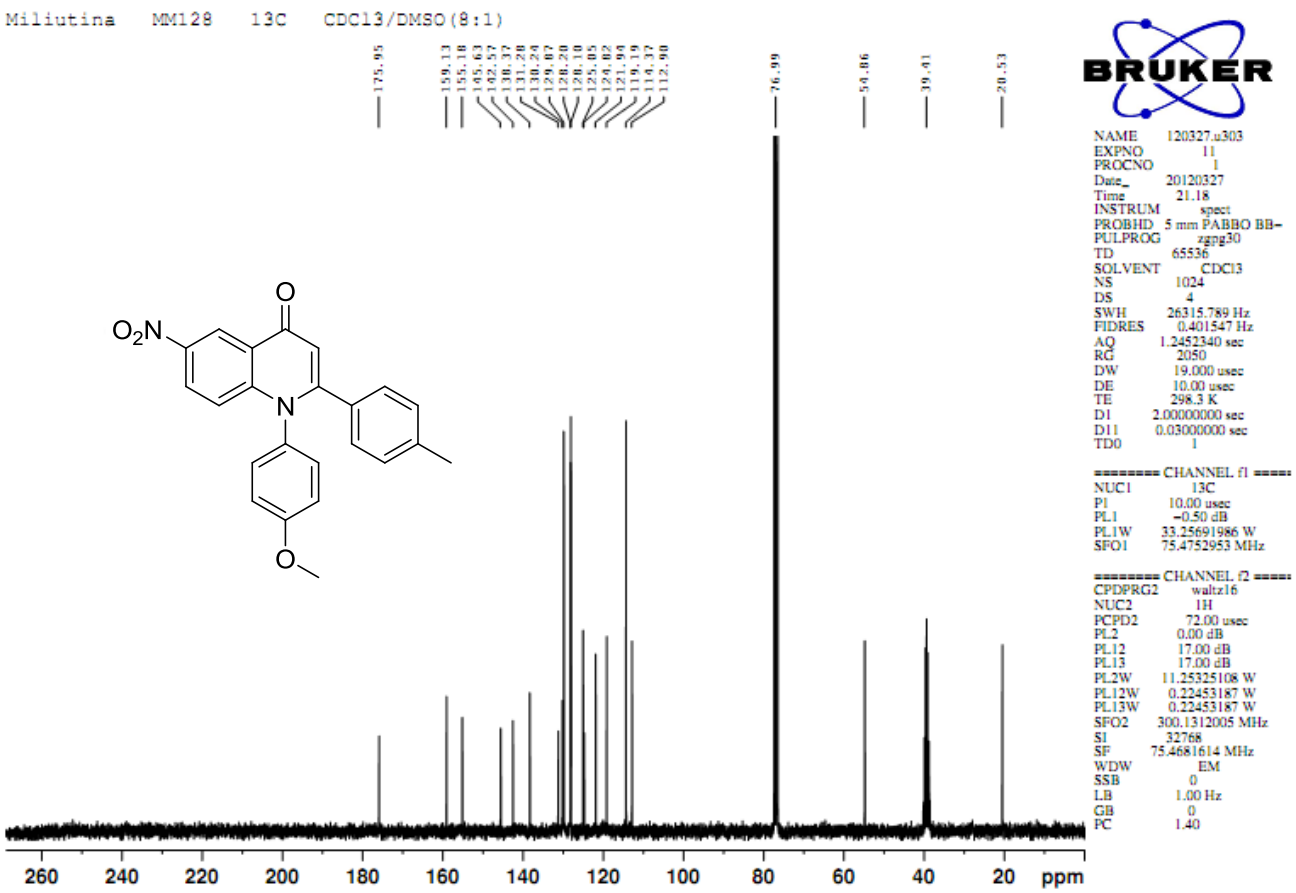
1-(4-Methoxyphenyl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7ap).



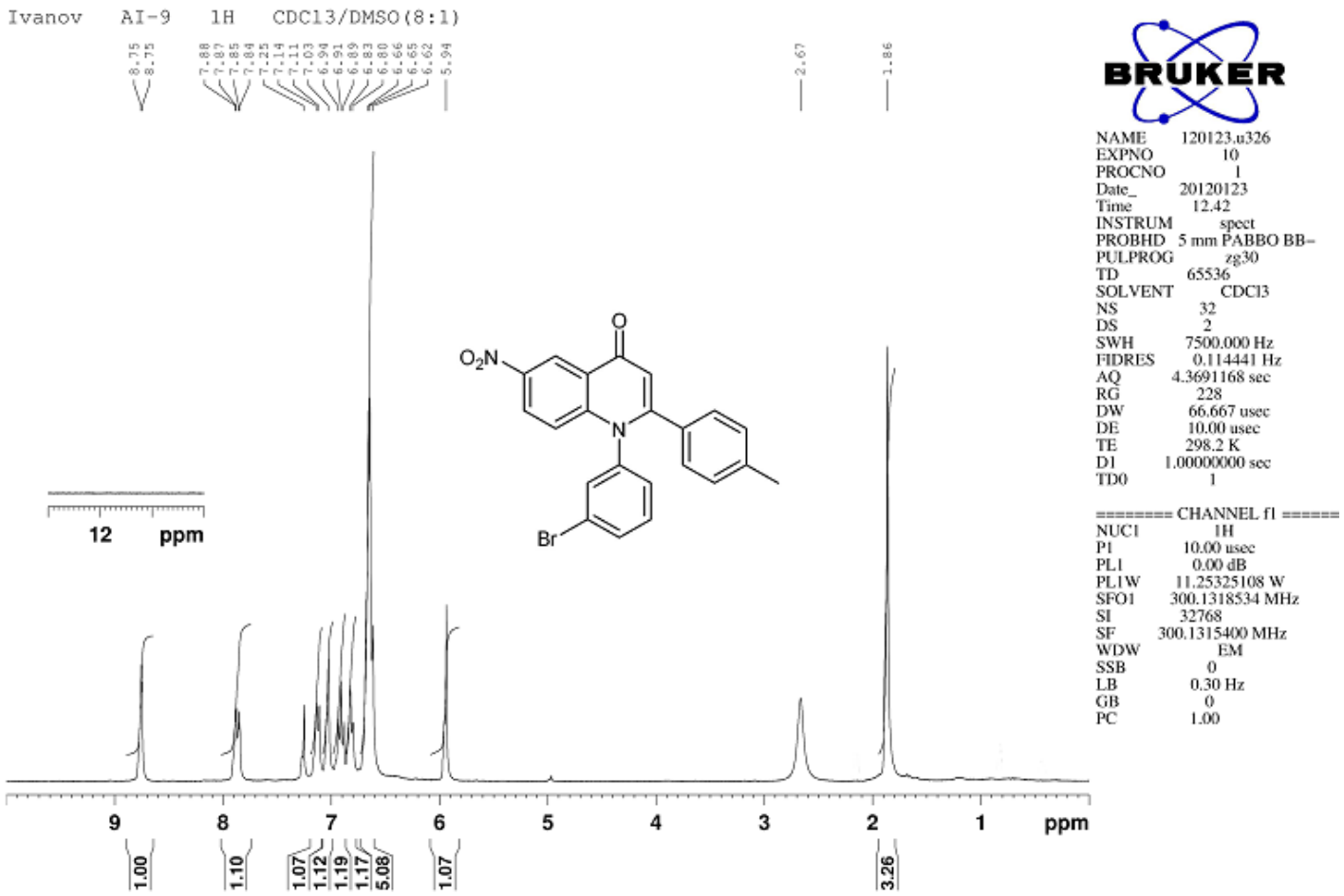
BRUKER

NAME	120327.u303
EXPNO	10
PROCNO	1
Date_	20120327
Time	8.32
INSTRUM	spect
PROBHD	5 mm PABBO BB–
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	32
DS	2
SWH	9014.423 Hz
FIDRES	0.137549 Hz
AQ	3.6351135 sec
RG	161
DW	55.467 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1314975 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

1-(4-Methoxyphenyl)-6-nitro-2-*p*-tolylquinolin-4(1*H*)-one (7ap).



6-Nitro-1-(3-bromphenyl)-2-*p*-tolyl-4-quinolone (7aq).



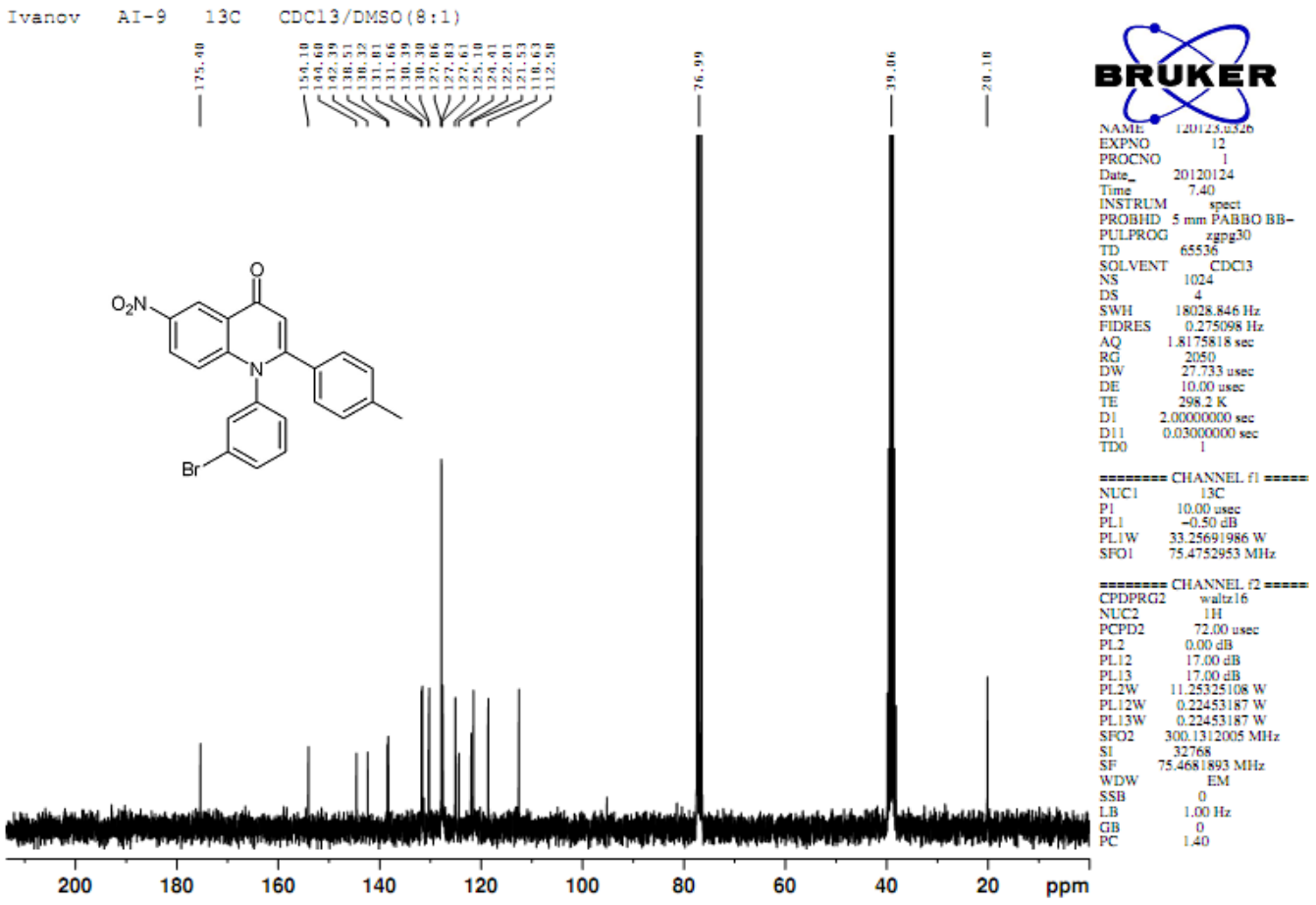
BRUKER

NAME	120123.u326
EXPNO	10
PROCNO	1
Date_	20120123
Time	12.42
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	32
DS	2
SWH	7500.000 Hz
FIDRES	0.114441 Hz
AQ	4.3691168 sec
RG	228
DW	66.667 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1

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

NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1315400 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

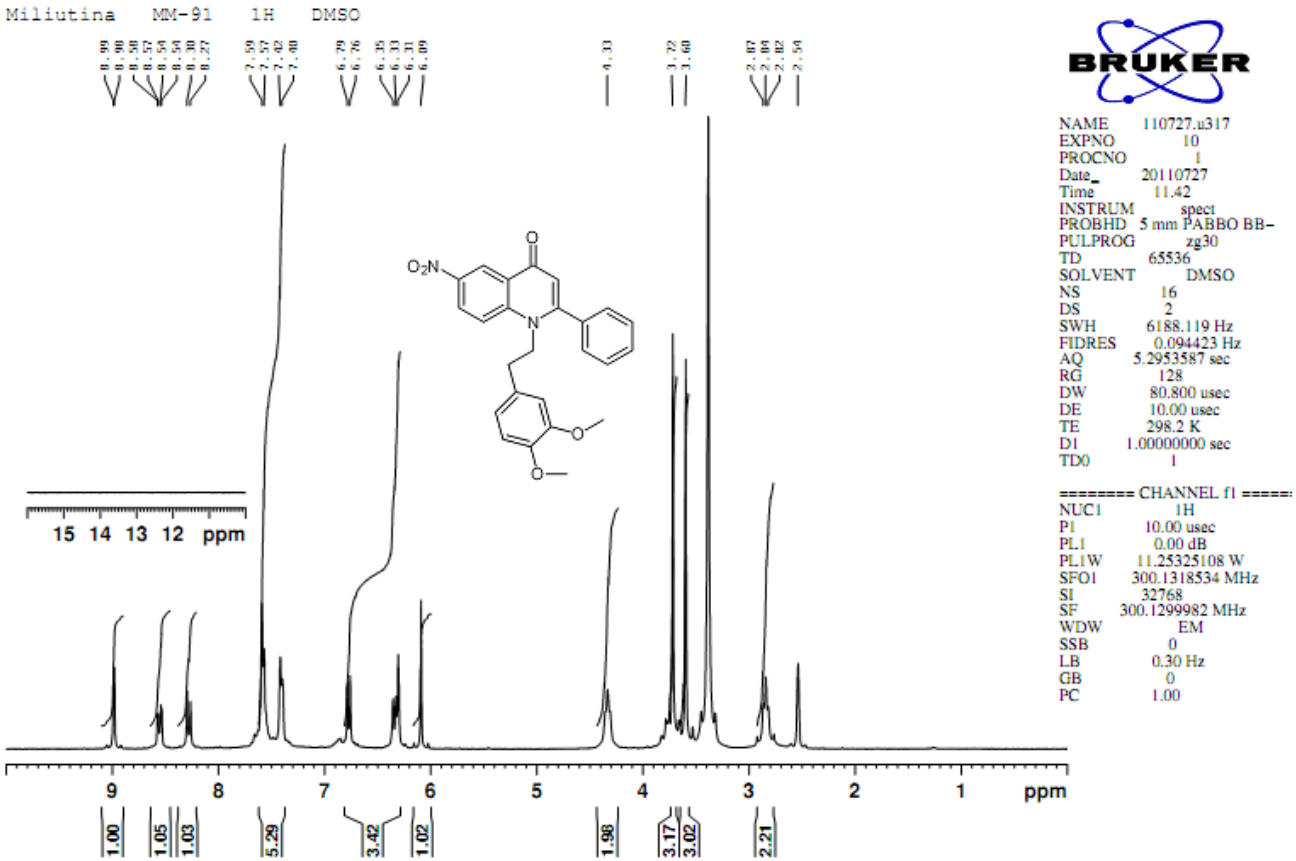
6-Nitro-1-(3-bromphenyl)-2-*p*-tolyl-4-quinolone (7aq).



BRUKER

NAME	120123.u526
EXPNO	12
PROCNO	1
Date_	20120124
Time	7.40
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	1024
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 ======	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4681893 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

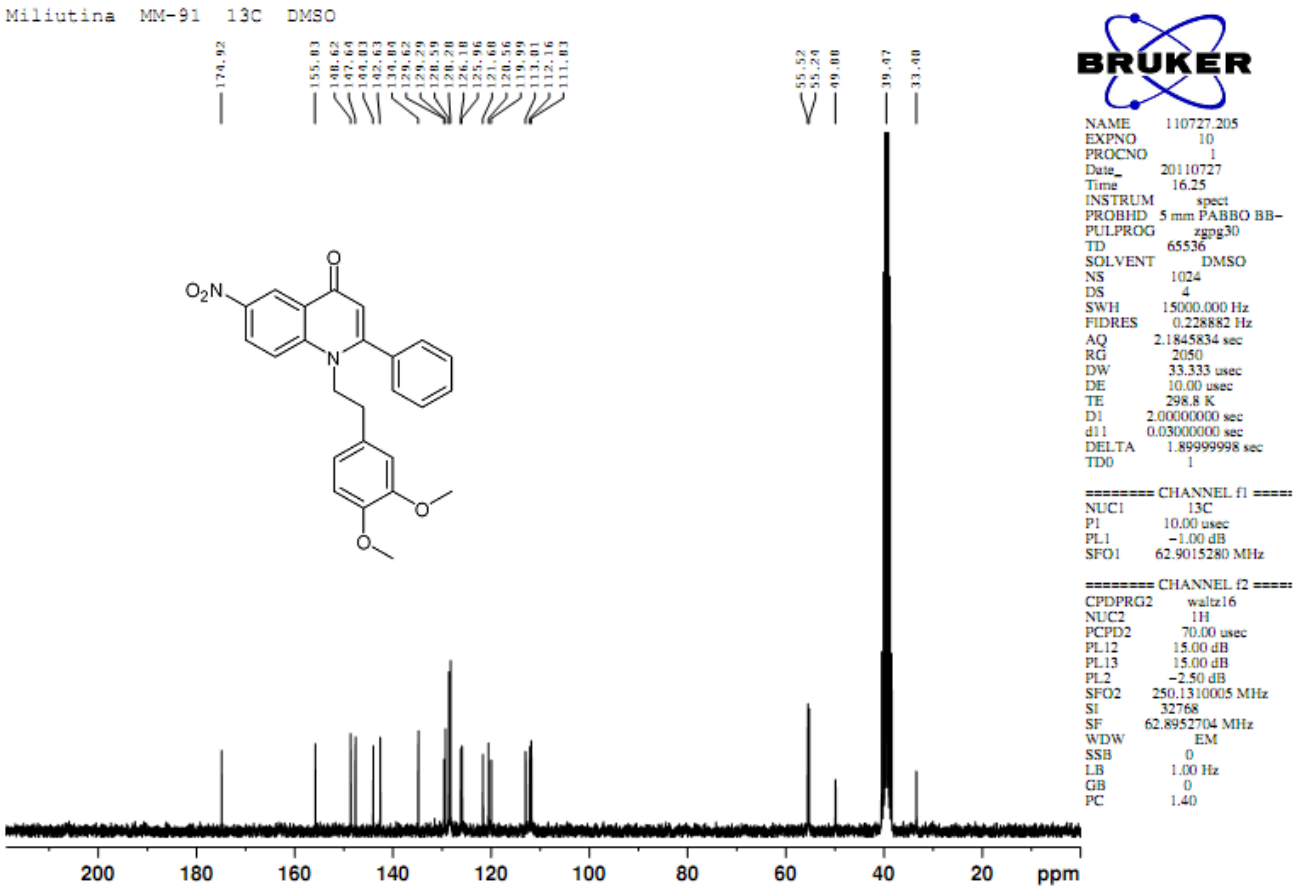
1-(3,4-Dimethoxyphenethyl)-6-nitro-2-phenylquinolin-4(1*H*)-one (7ba).



BRUKER

NAME	110727.u317
EXPNO	10
PROCNO	1
Date_	20110727
Time	11.42
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 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1299982 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

1-(3,4-Dimethoxyphenethyl)-6-nitro-2-phenylquinolin-4(1*H*)-one (7ba).



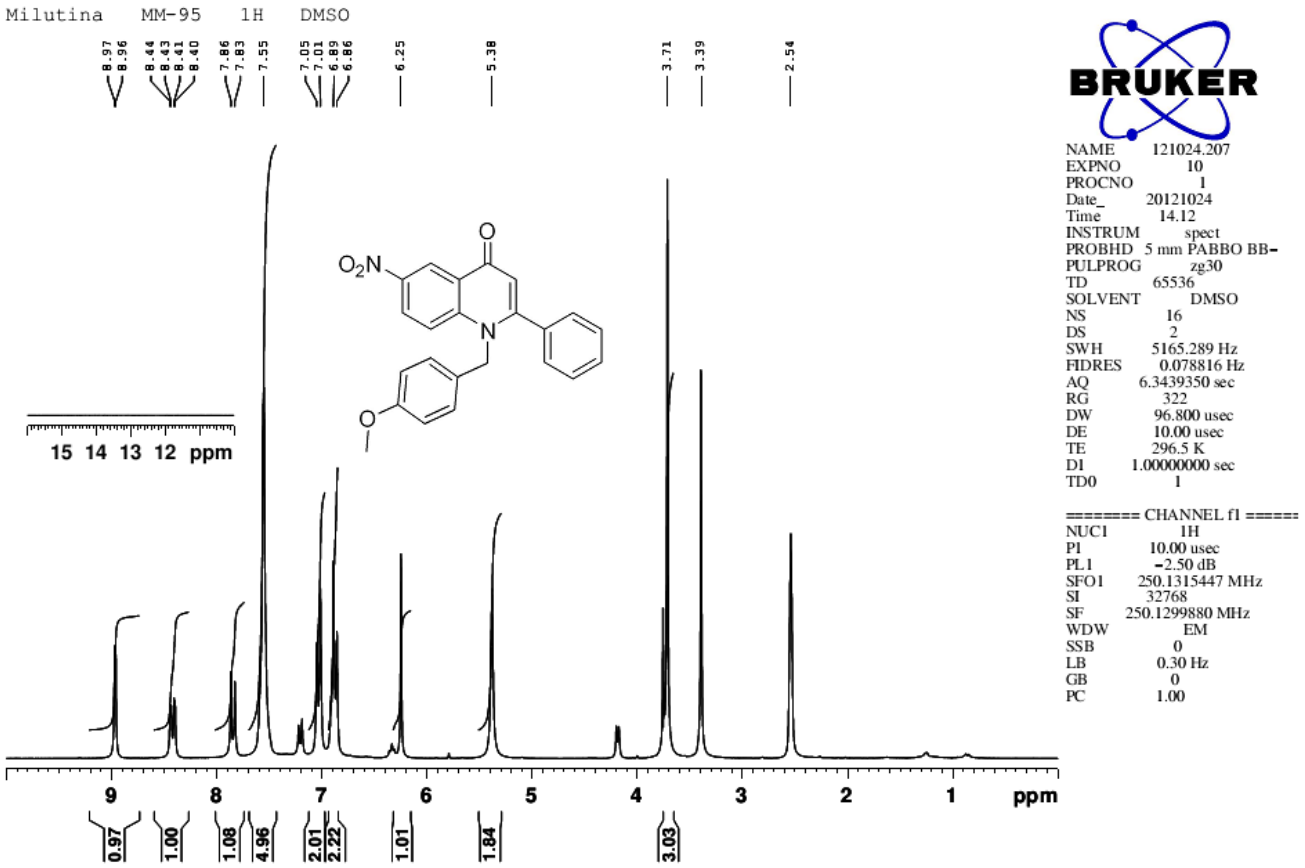
BRUKER

NAME 110727.205
EXPNO 10
PROCNO 1
Date_ 20110727
Time 16.25
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 298.8 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

1-(4-Methoxybenzyl)-6-nitro-2-phenylquinolin-4(1*H*)-one (7bb).

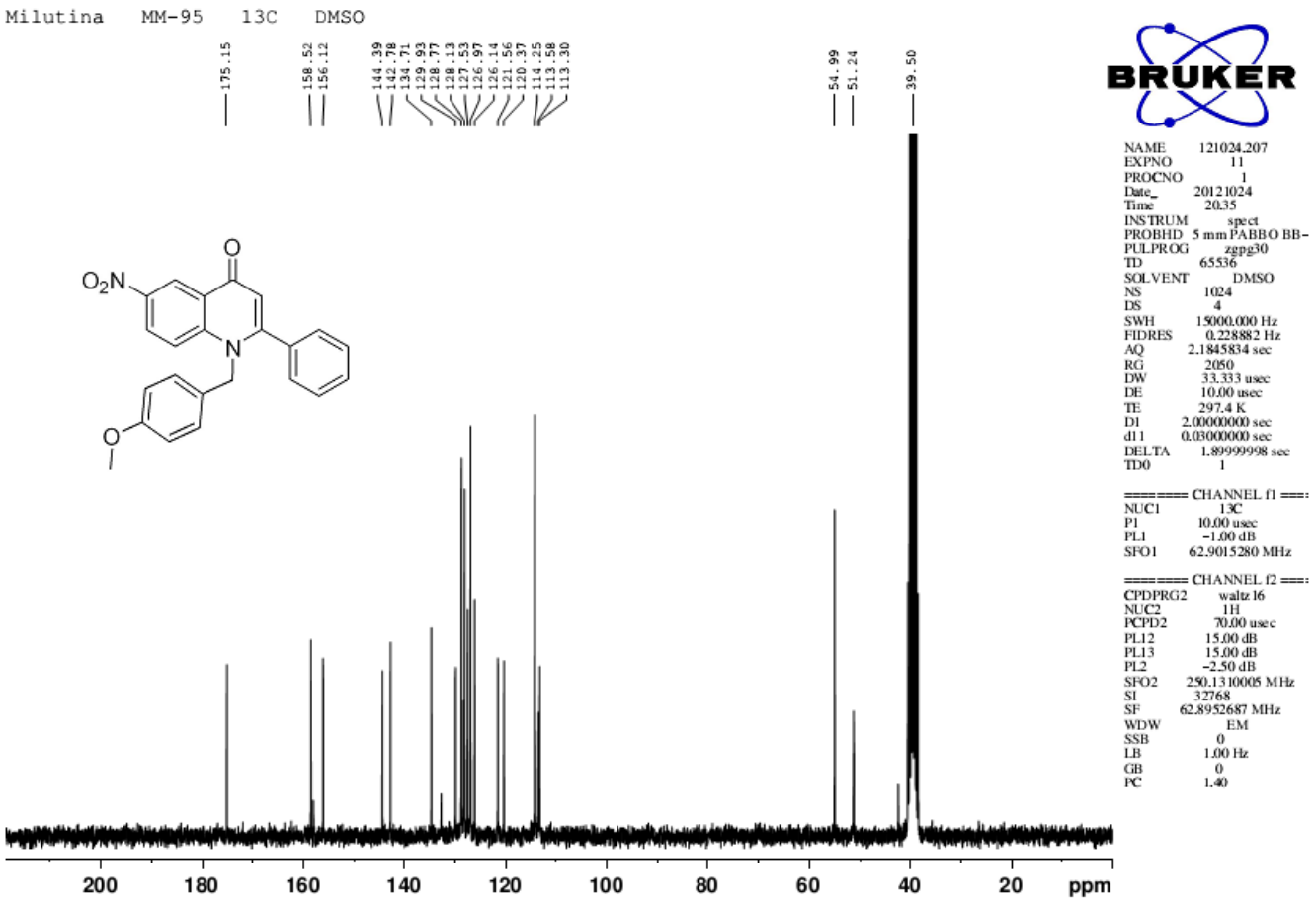


BRUKER

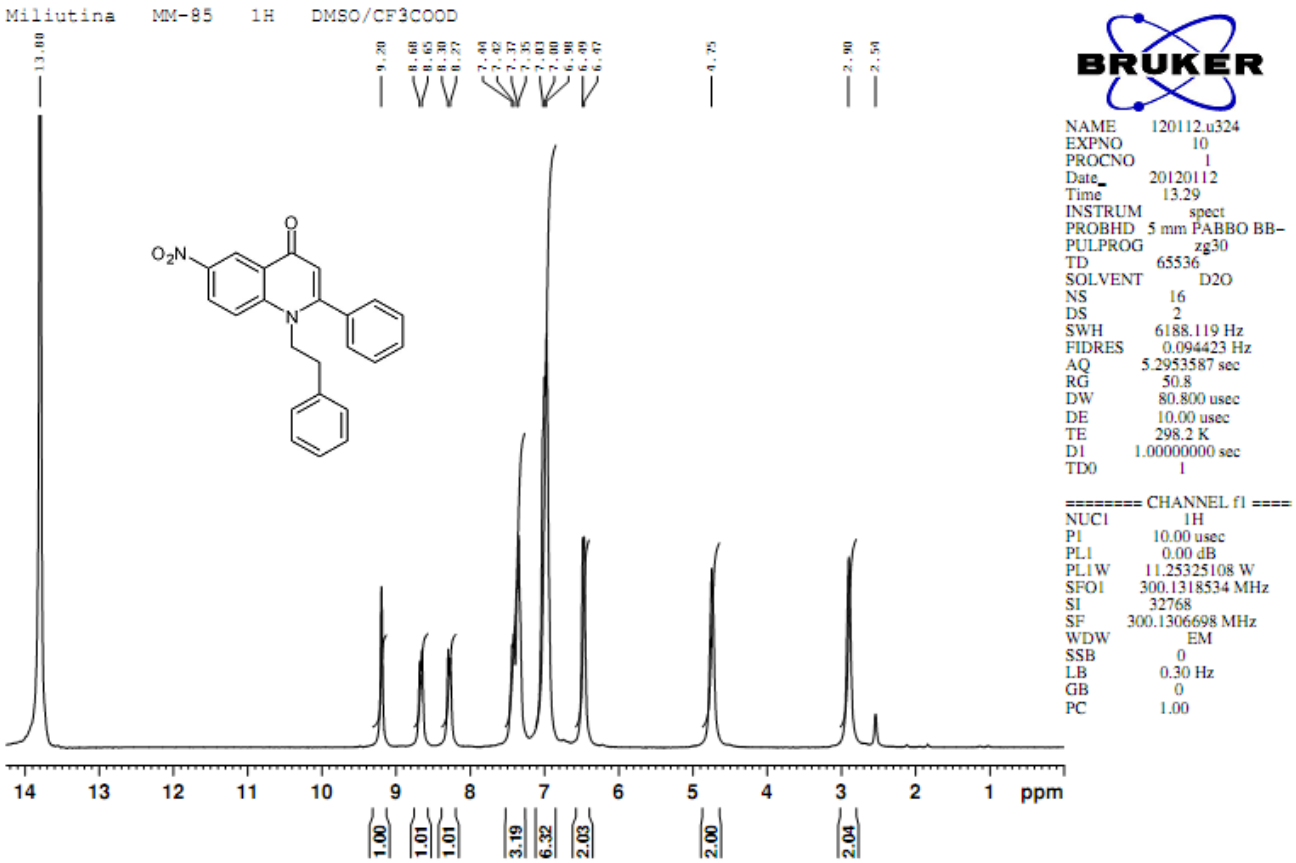
NAME 121024.207
EXPNO 10
PROCNO 1
Date_ 20121024
Time 14.12
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 5165.289 Hz
FIDRES 0.078816 Hz
AQ 6.3439350 sec
RG 322
DW 96.800 usec
DE 10.00 usec
TE 296.5 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ======
NUC1 1H
P1 10.00 usec
PL1 -2.50 dB
SFO1 250.1315447 MHz
SI 32768
SF 250.1299880 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1-(4-Methoxybenzyl)-6-nitro-2-phenylquinolin-4(1*H*)-one (7bb).



6-Nitro-1-phenethyl-2-phenylquinolin-4(1*H*)-one (7bc).

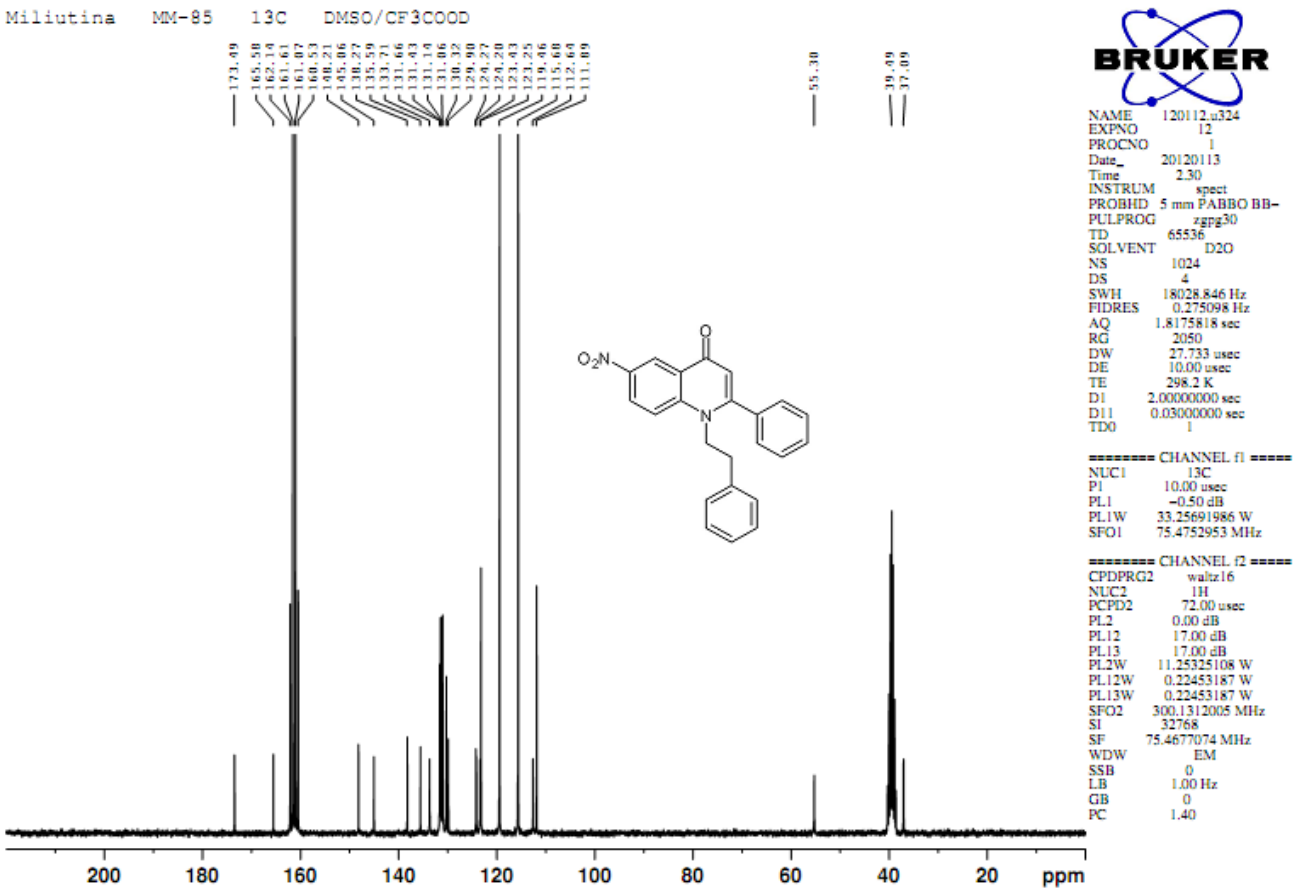


BRUKER

NAME 120112.u324
EXPNO 10
PROCNO 1
Date_ 20120112
Time 13.29
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT D2O
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 50.8
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1306698 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

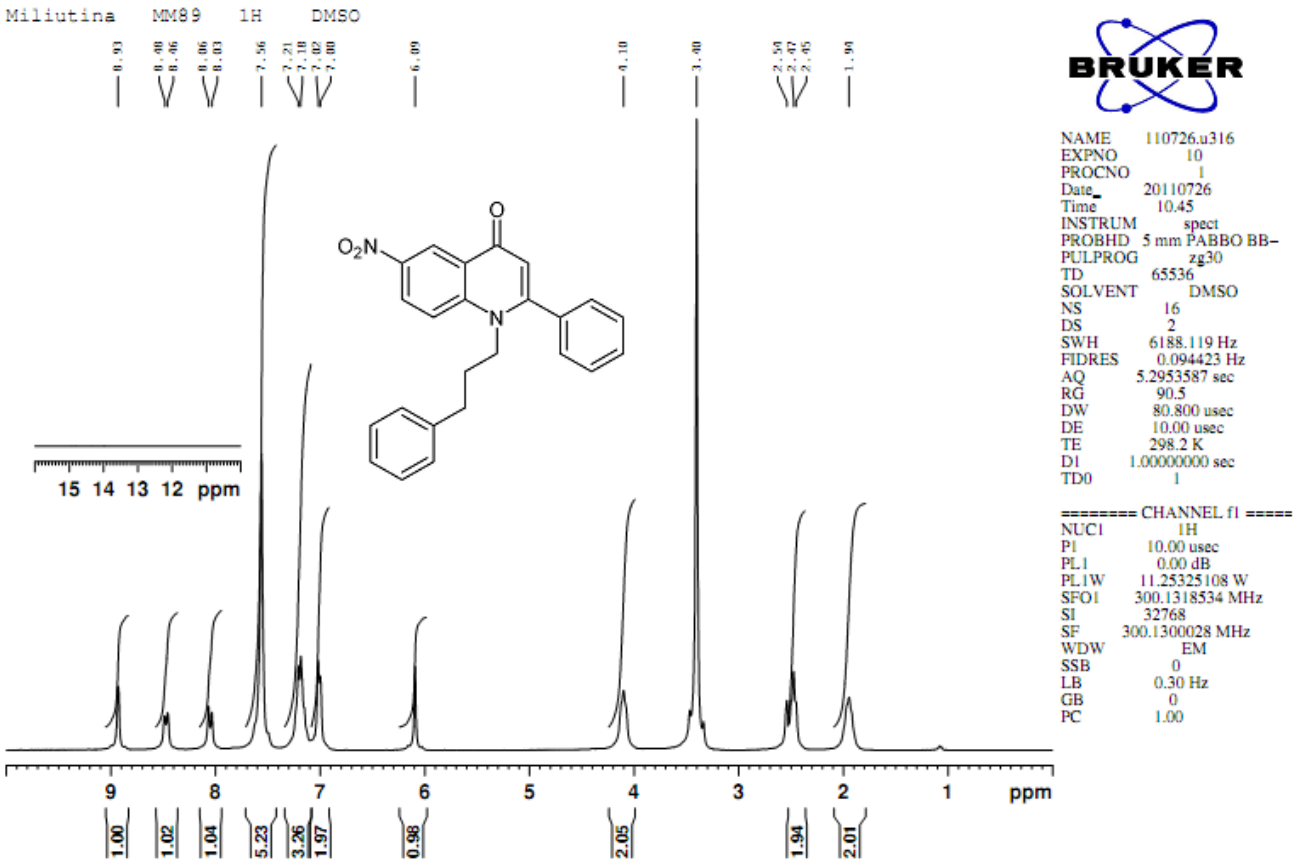
6-Nitro-1-phenethyl-2-phenylquinolin-4(1*H*)-one (7bc).



BRUKER

NAME	120112.u324
EXPNO	12
PROCNO	1
Date_	20120113
Time	2.30
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	D2O
NS	1024
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 =====	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 =====	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677074 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

6-Nitro-4-oxo-2-phenyl-1-(3-phenylpropyl)quinoline (7bd).

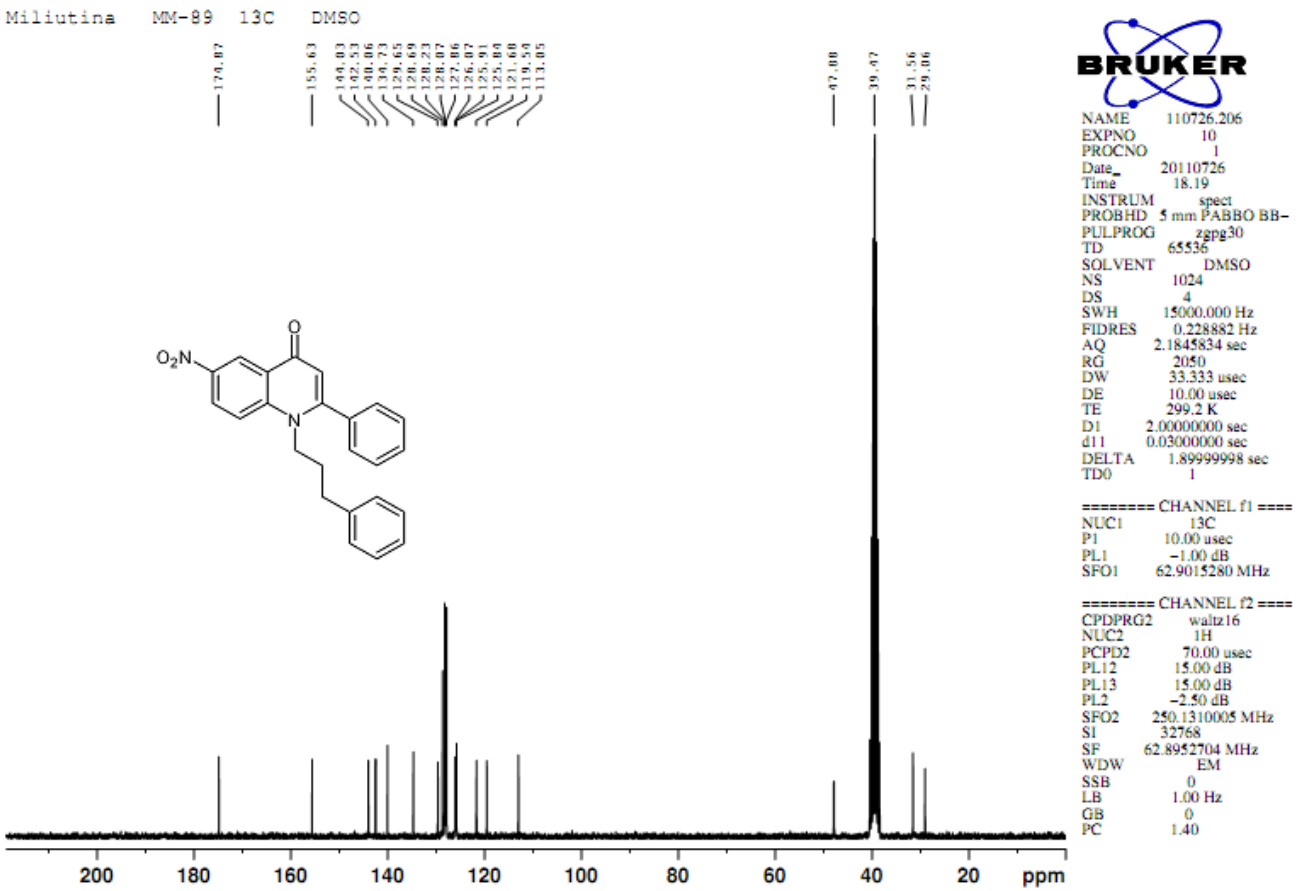


BRUKER

NAME 110726.u316
EXPNO 10
PROCNO 1
Date_ 20110726
Time 10.45
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 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1300028 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

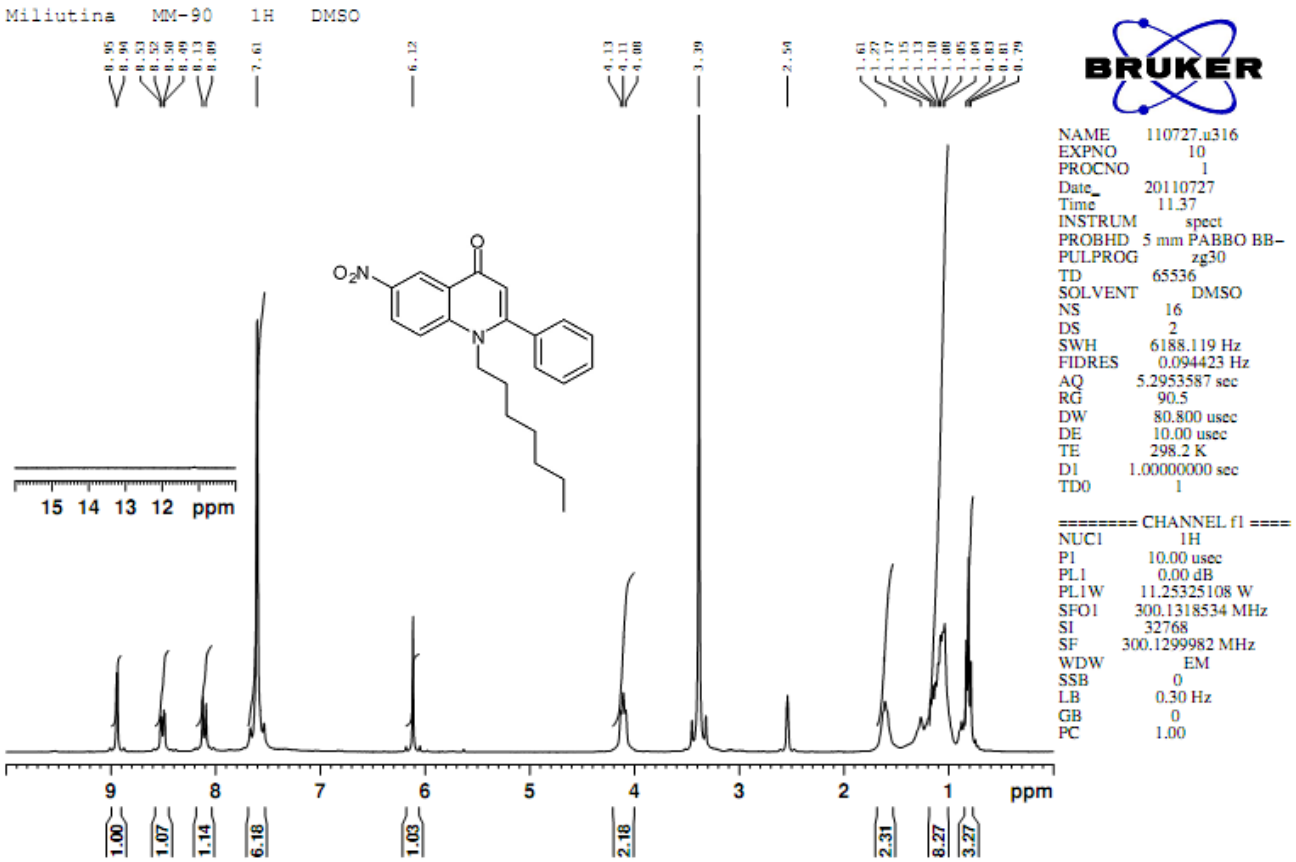
6-Nitro-4-oxo-2-phenyl-1-(3-phenylpropyl)quinoline (7bd).



BRUKER

NAME	110726.206
EXPNO	10
PROCNO	1
Date_	20110726
Time	18.19
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	299.2 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	62.8952704 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

1-Heptyl-6-nitro-2-phenylquinolin-4(1*H*)-one (7be).



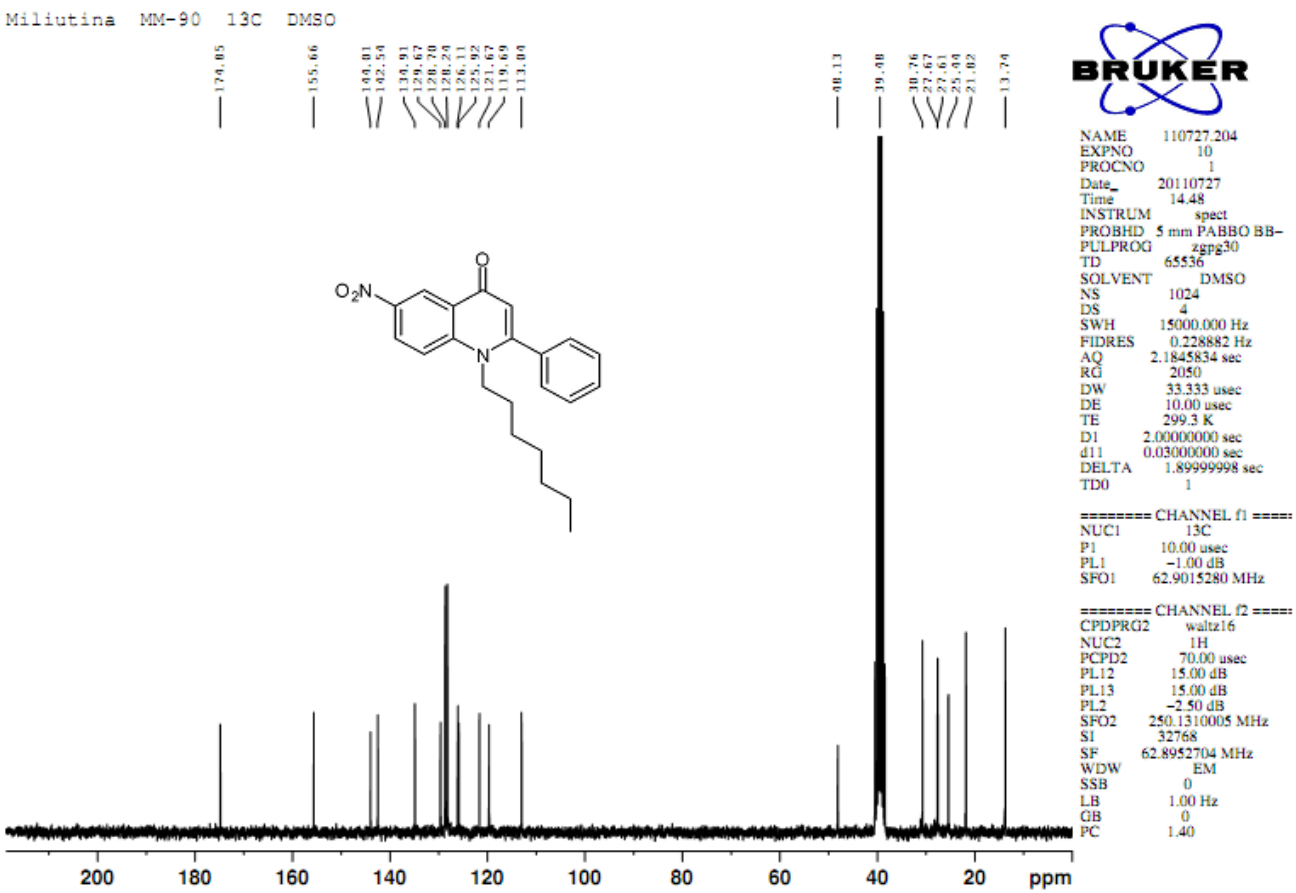
BRUKER

NAME	110727.u316
EXPNO	10
PROCNO	1
Date_	20110727
Time	11.37
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 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1

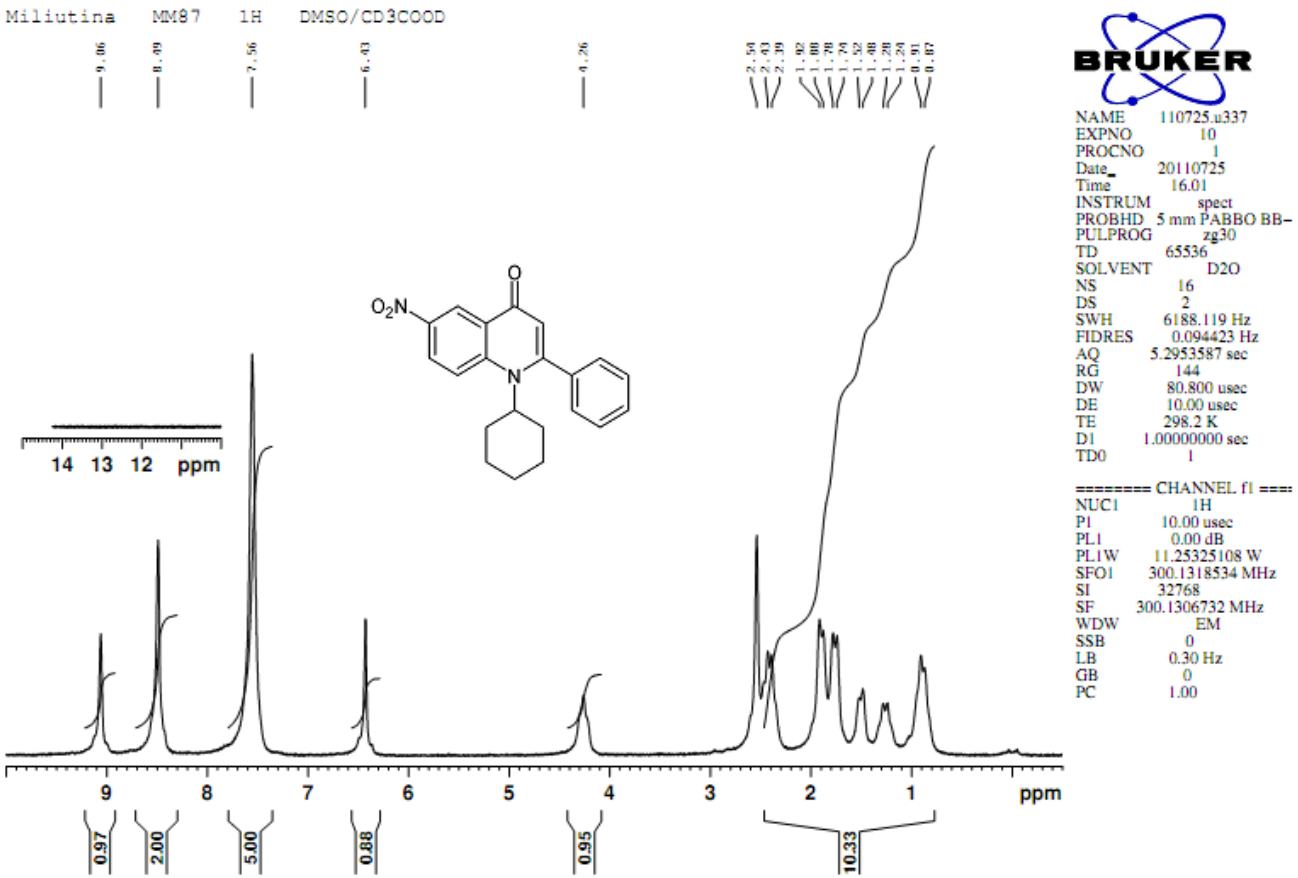
======== CHANNEL f1 ====

NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1299982 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

1-Heptyl-6-nitro-2-phenylquinolin-4(1*H*)-one (7be).



1-cyclohexane-6-nitro-4-oxo-2-phenylquinoline (7bf).

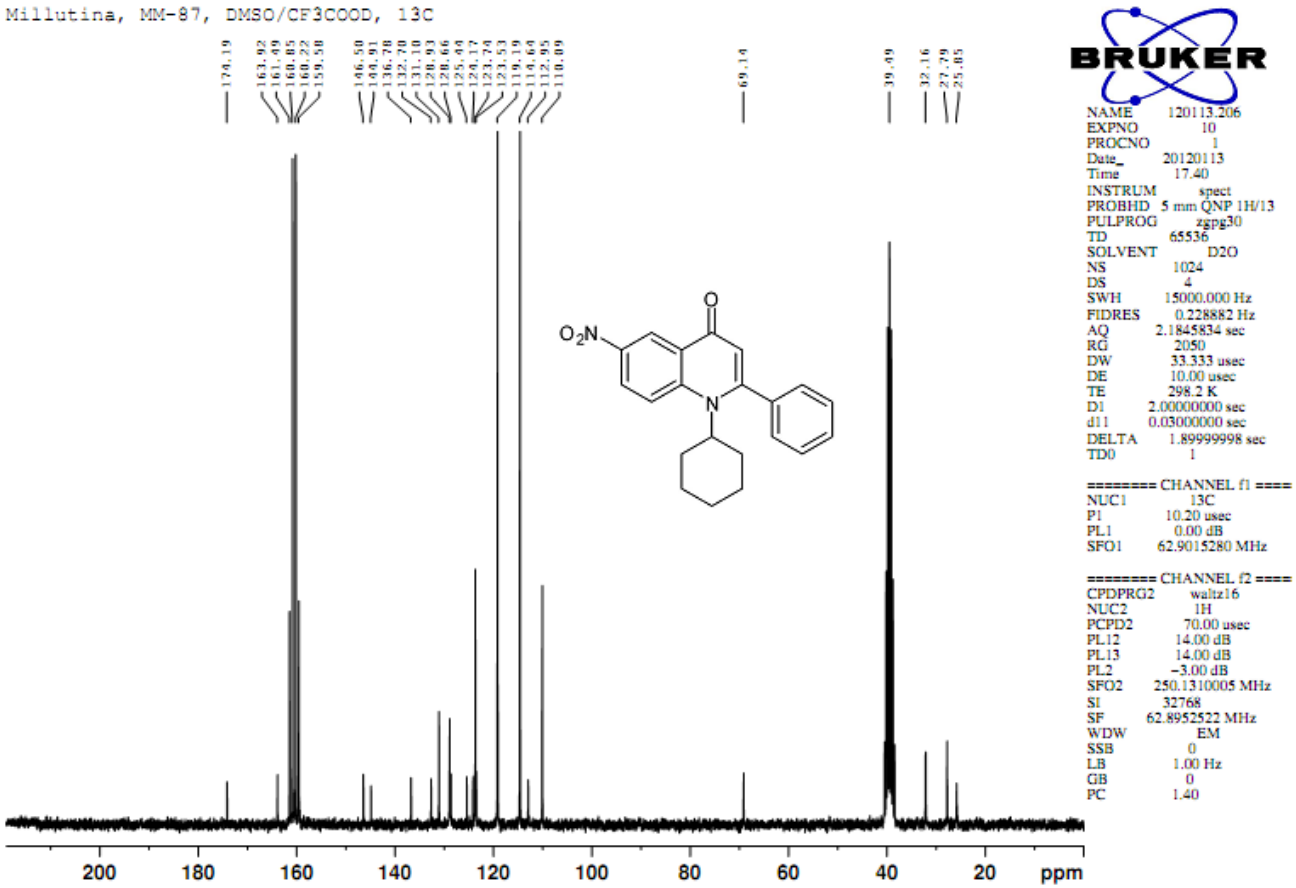


BRUKER

NAME 110725.u337
EXPNO 10
PROCNO 1
Date_ 20110725
Time 16.01
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT D2O
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 144
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1306732 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

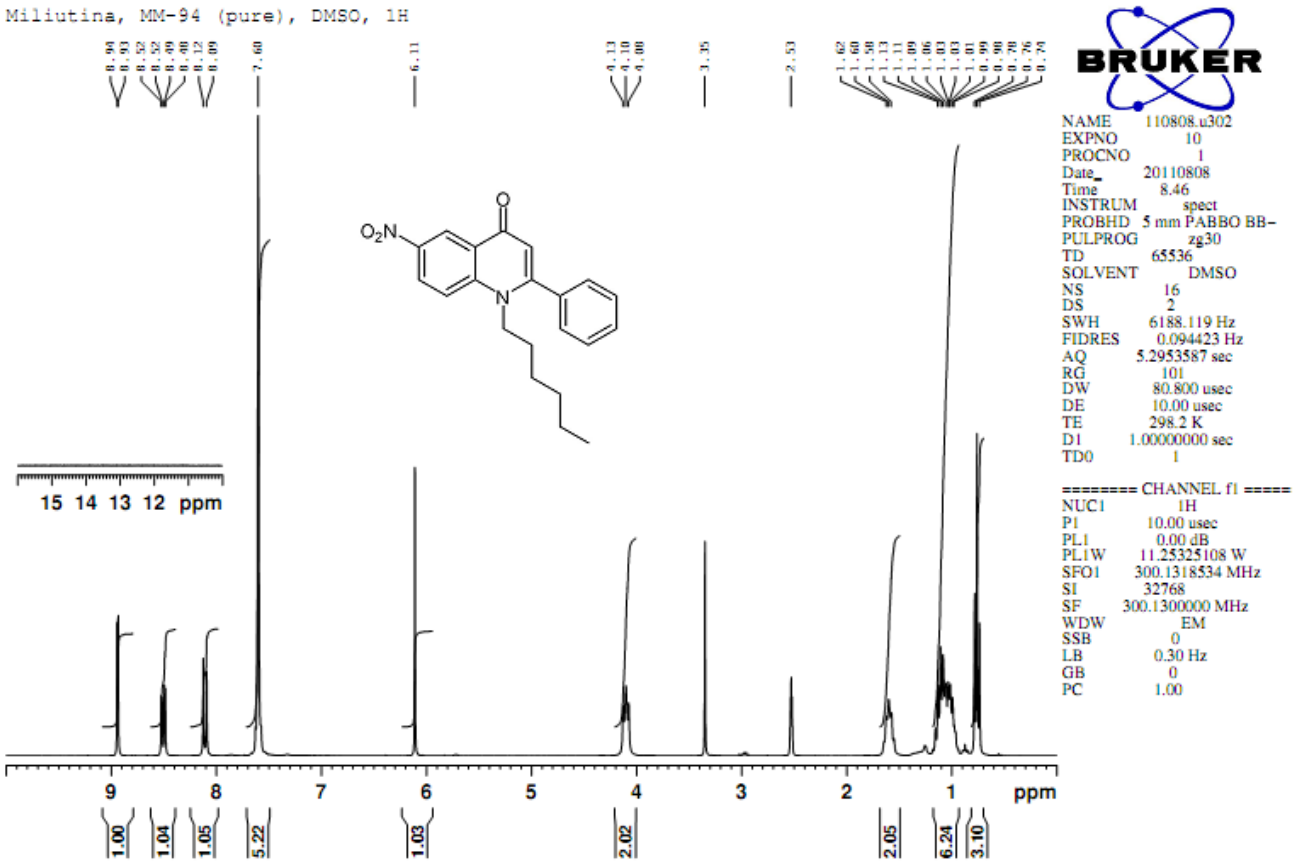
1-cyclohexane-6-nitro-4-oxo-2-phenylquinoline (7bf).



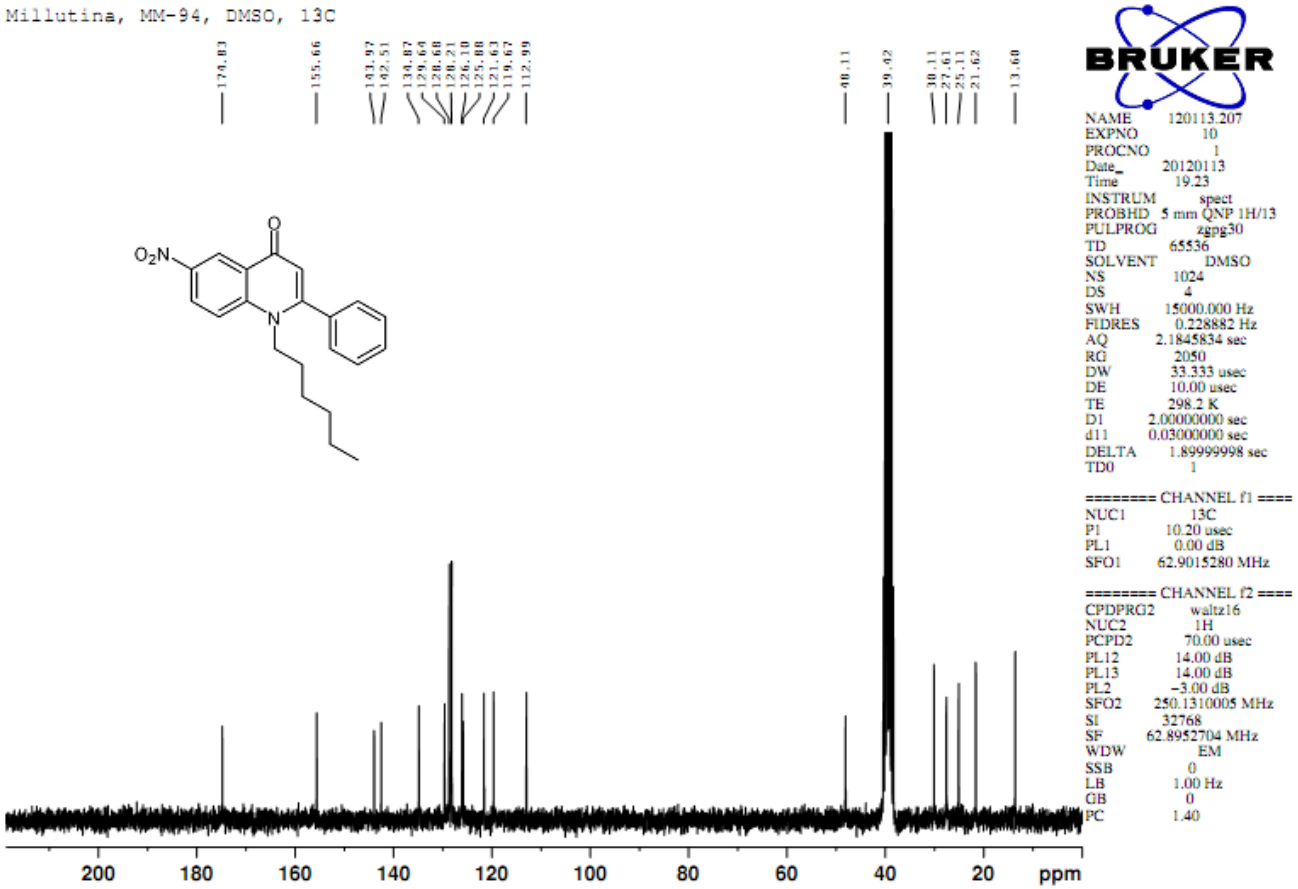
BRUKER

NAME	120113.206
EXPNO	10
PROCNO	1
Date_	20120113
Time	17.40
INSTRUM	spect
PROBHD	5 mm QNP 1H/13
PULPROG	zgpg30
TD	65536
SOLVENT	D2O
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	10.20 usec
PL1	0.00 dB
SFO1	62.9015280 MHz
======== CHANNEL f2 ====	
CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	14.00 dB
PL13	14.00 dB
PL2	-3.00 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952522 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

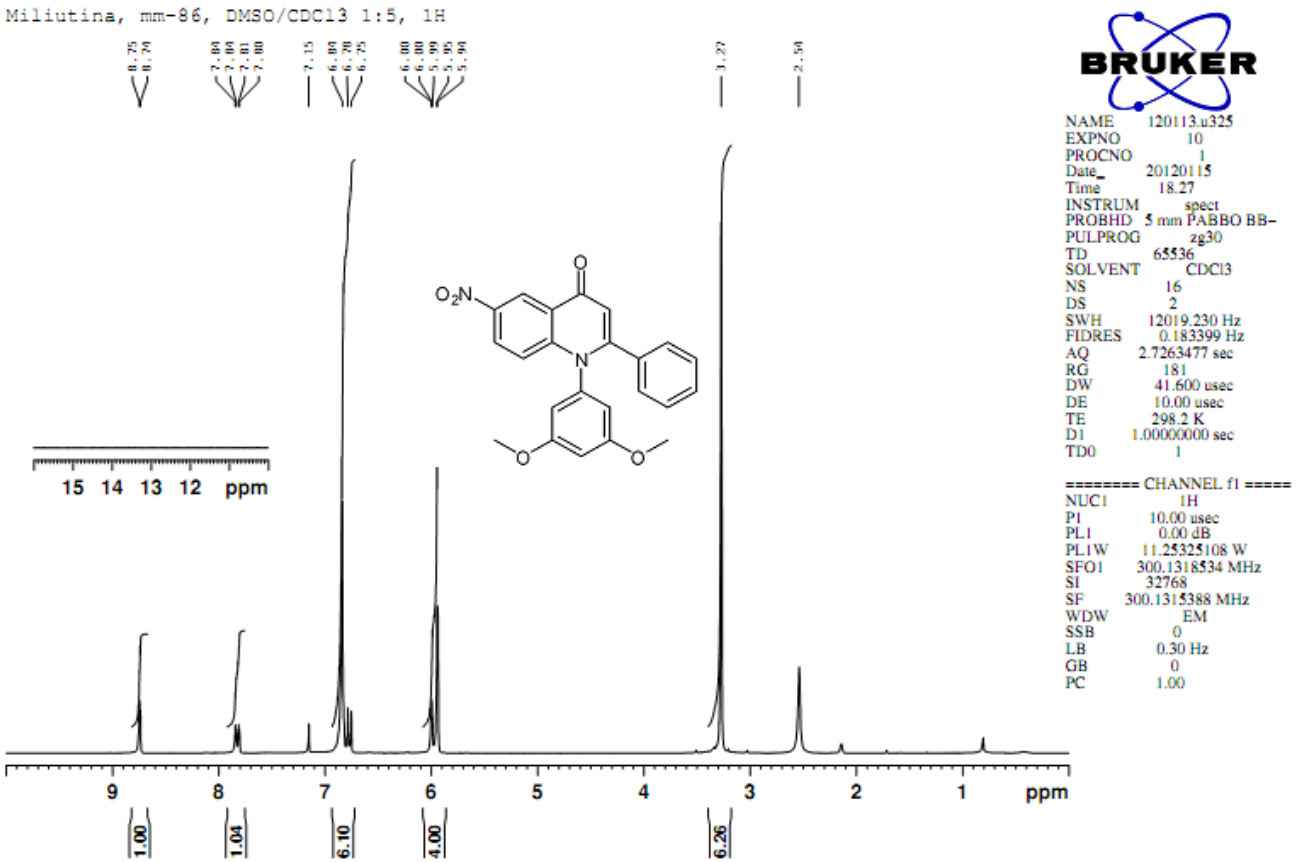
1-Hexyl-6-nitro-2-phenylquinolin-4(1*H*)-one (7bg).



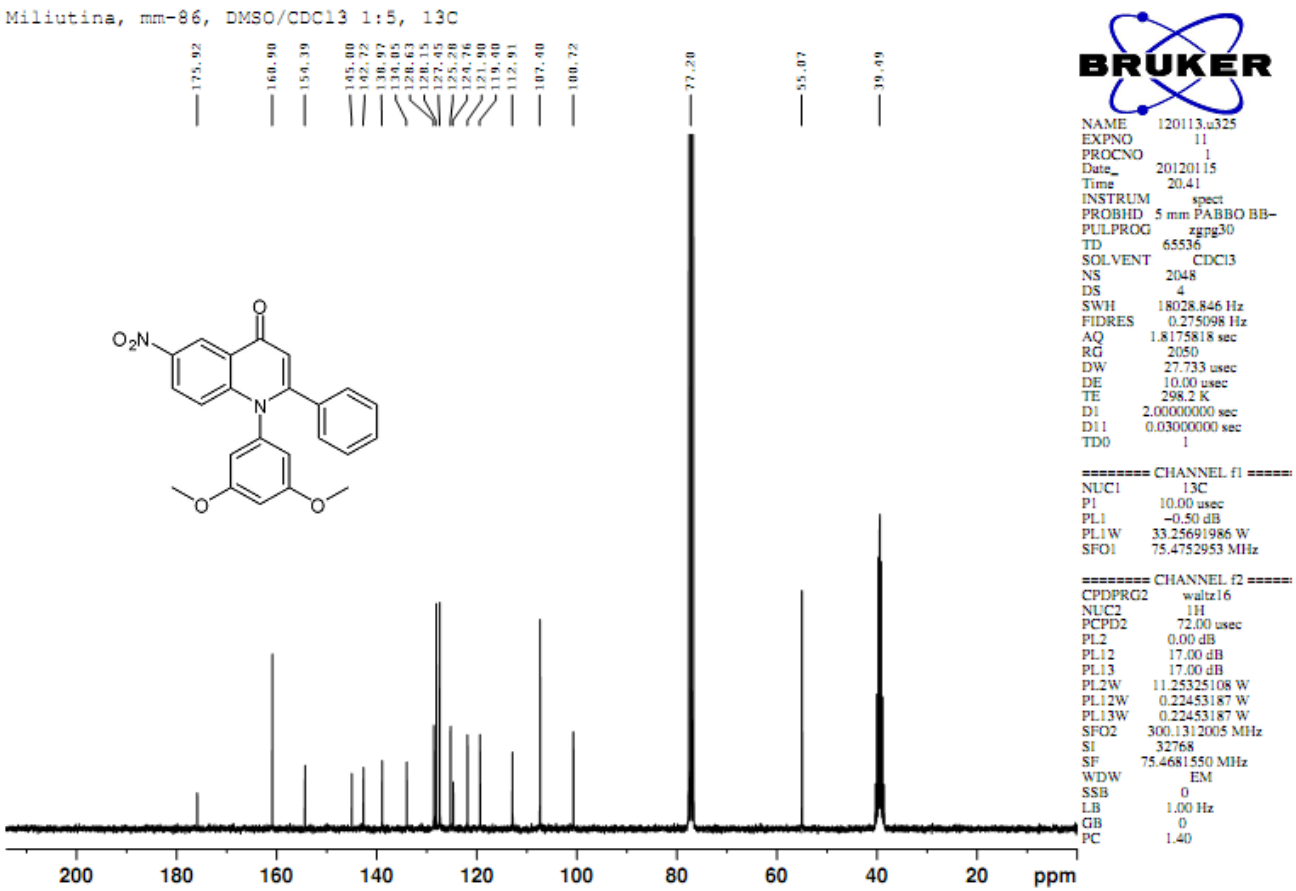
1-Hexyl-6-nitro-2-phenylquinolin-4(1*H*)-one (7bg).



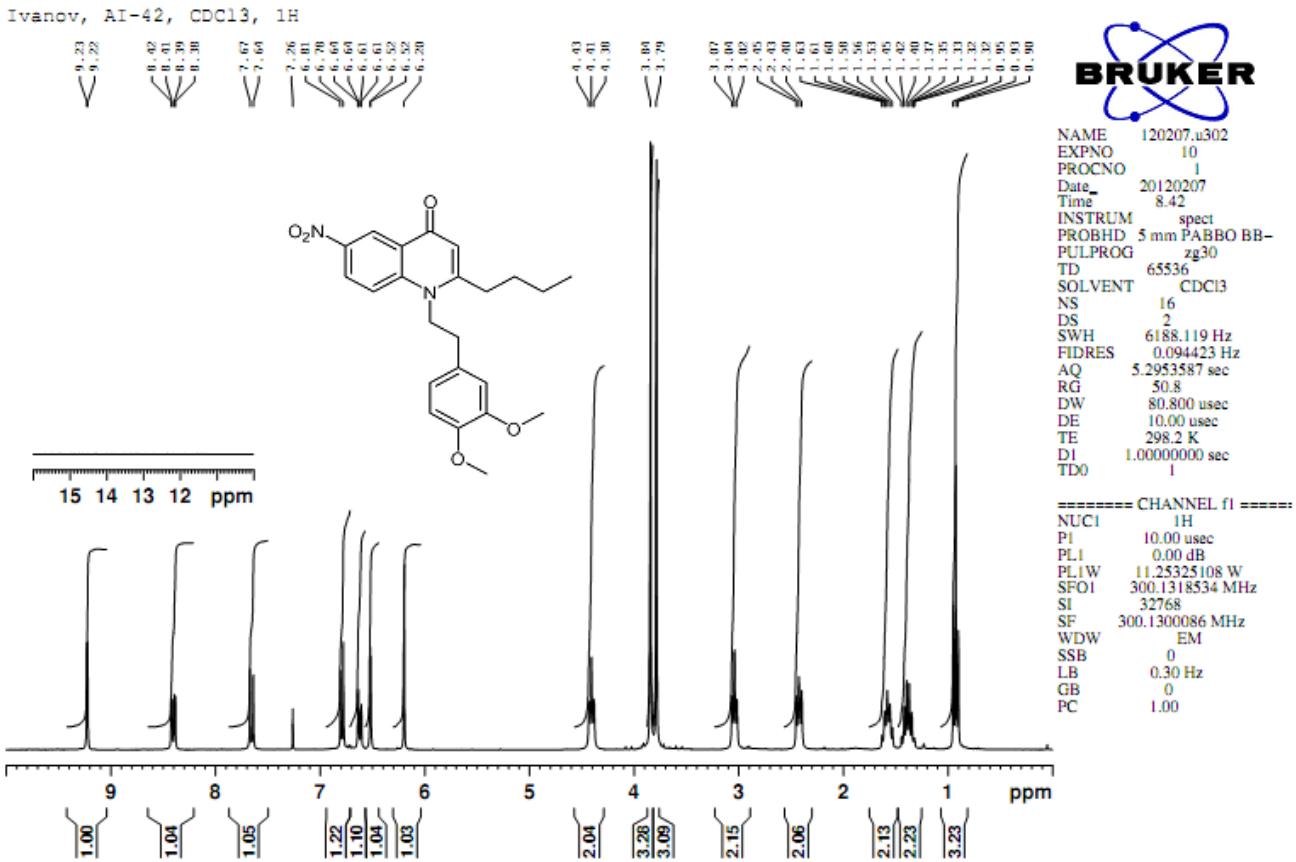
1-(3,5-dimethoxybenzen)-6-nitro-4-oxo-2-phenylquinoline (7bh).



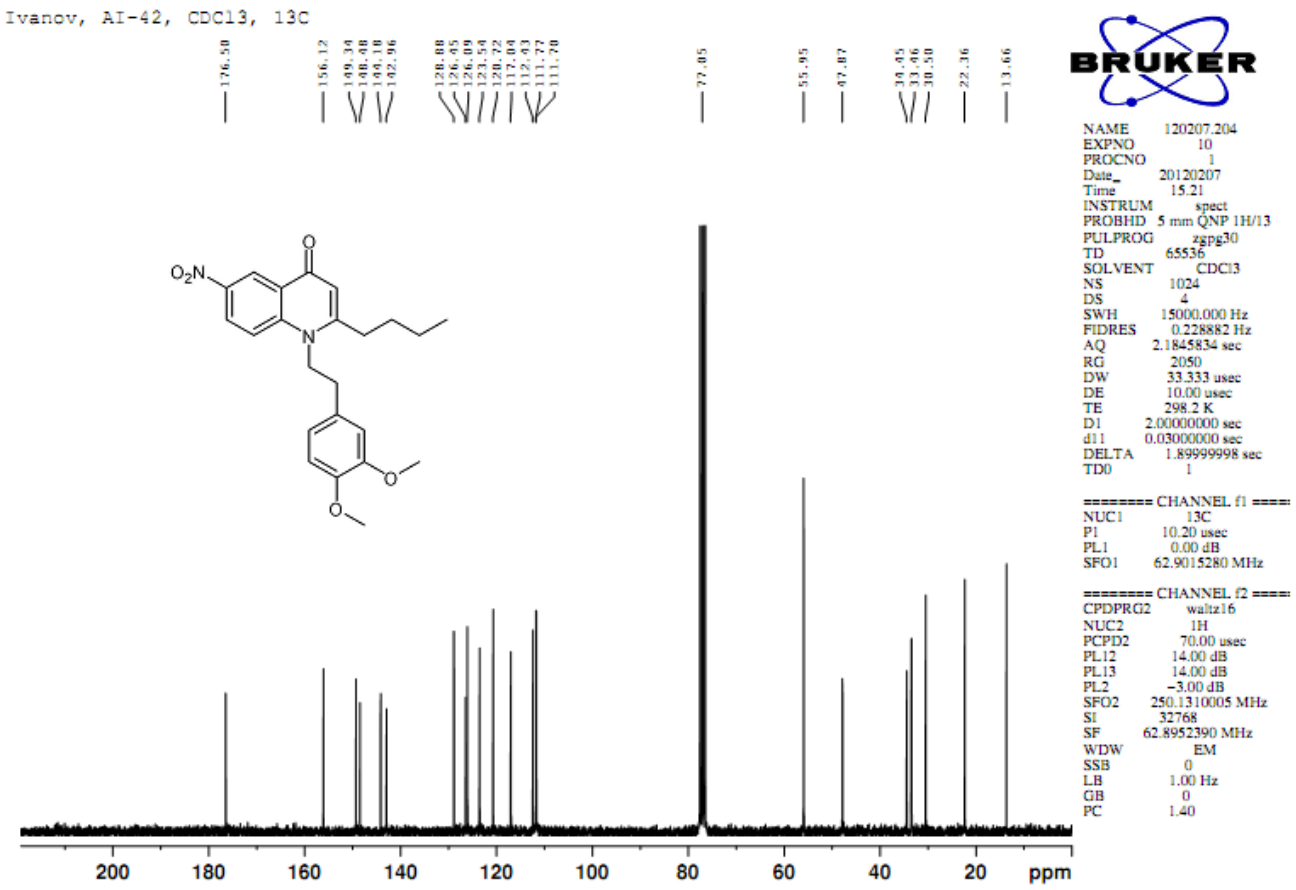
1-(3,5-dimethoxybenzen)-6-nitro-4-oxo-2-phenylquinoline (7bh).



6-Nitro-1-(3,4-dimethoxyphenethyl)-2-*p*-tolyl-4-quinolone (7ca).



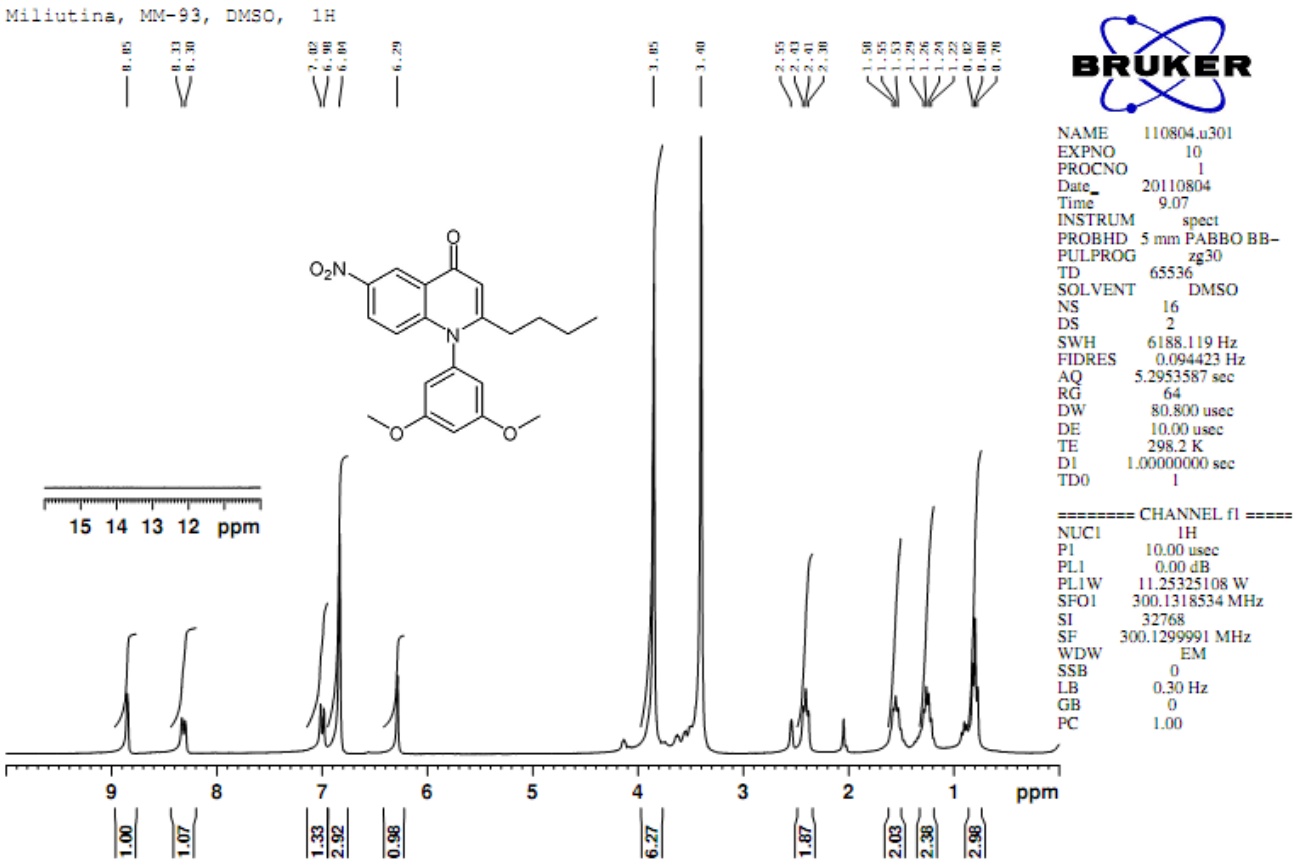
6-Nitro-1-(3,4-dimethoxyphenethyl)-2-*p*-tolyl-4-quinolone (7ca).



BRUKER

NAME	120207.204
EXPNO	10
PROCNO	1
Date_	20120207
Time	15.21
INSTRUM	spect
PROBHD	5 mm QNP 1H/13
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	298.2 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1
======== CHANNEL f1 =====	
NUC1	13C
P1	10.20 usec
PL1	0.00 dB
SFO1	62.9015280 MHz
======== CHANNEL f2 =====	
CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	14.00 dB
PL13	14.00 dB
PL2	-3.00 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952390 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

2-Butyl-1-(3,5-dimethoxyphenyl)-6-nitroquinolin-4(1*H*)-one (7cb).

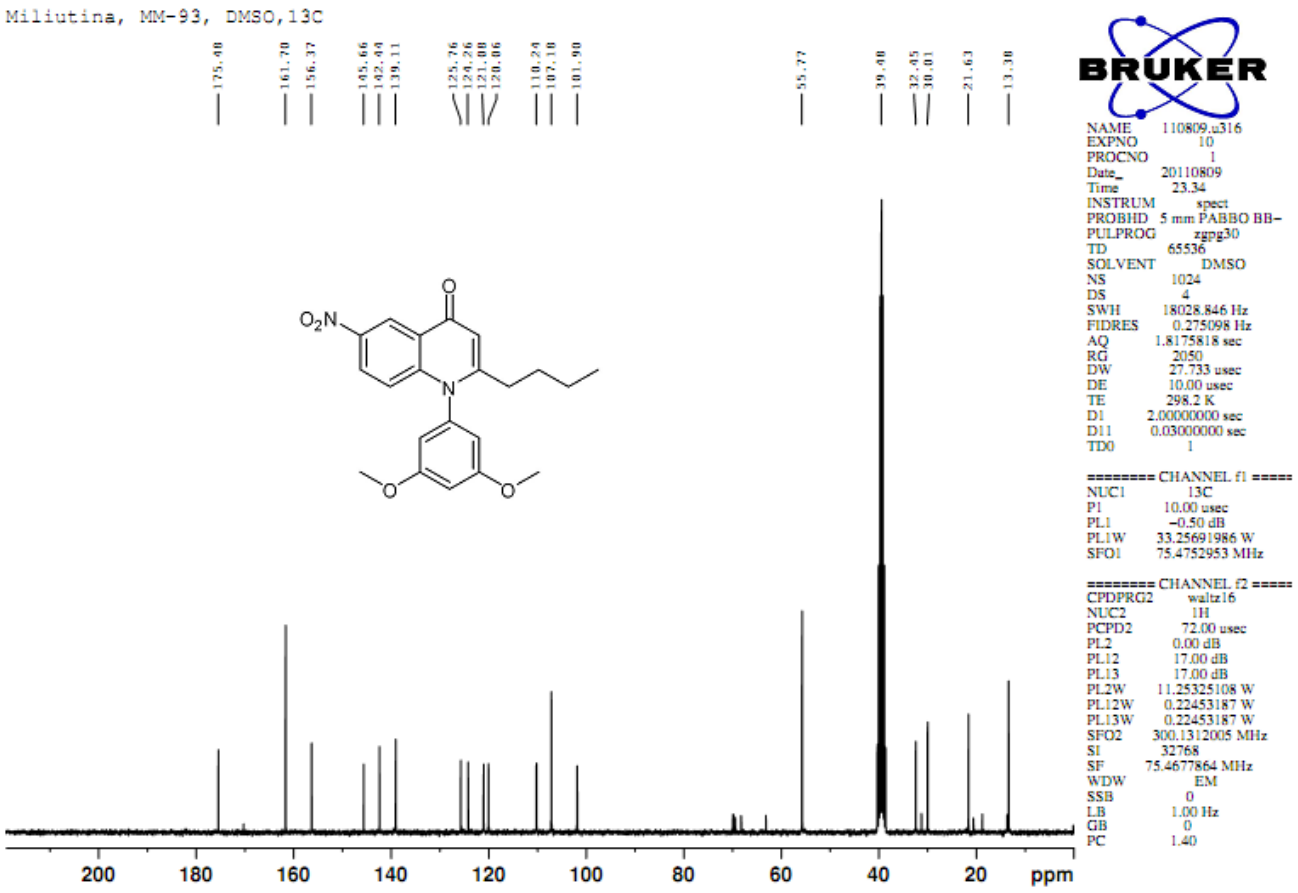


BRUKER

NAME 110804.u301
EXPNO 10
PROCNO 1
Date_ 20110804
Time 9.07
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 64
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299991 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

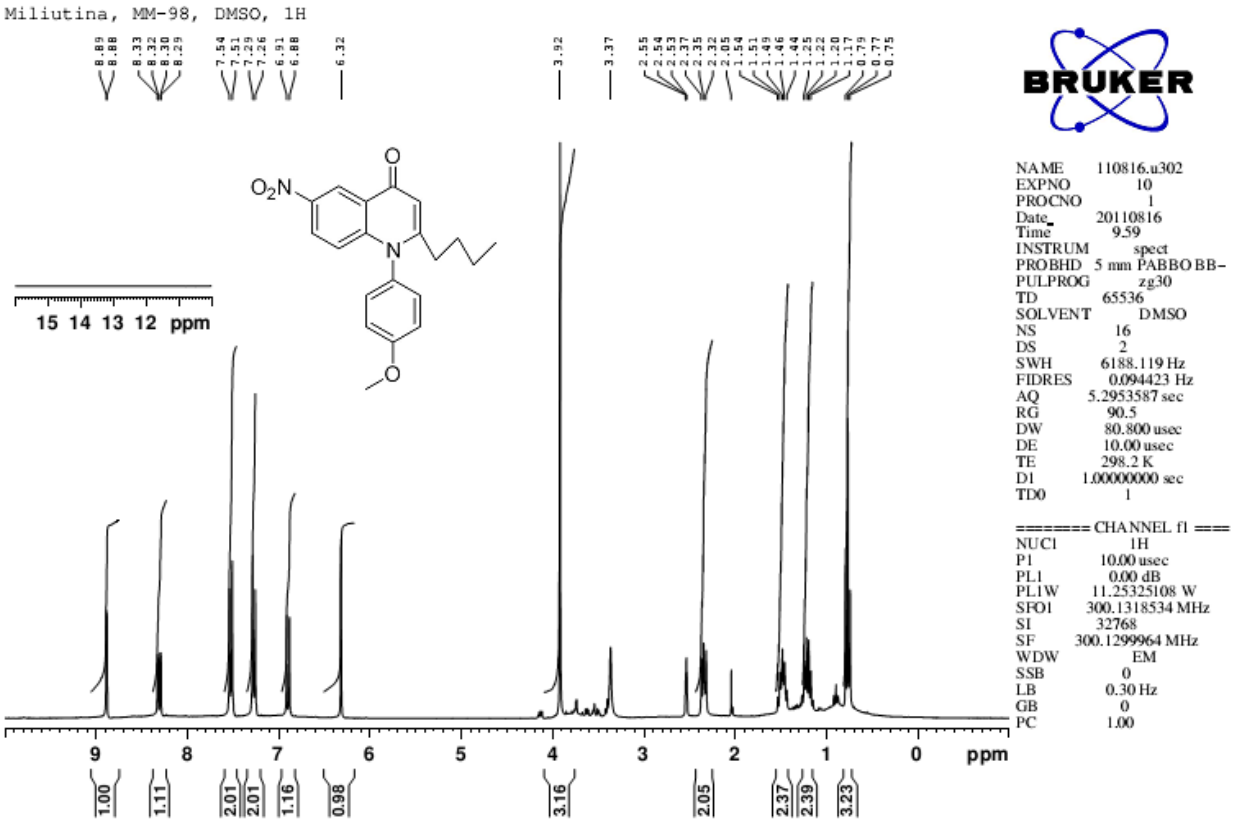
2-Butyl-1-(3,5-dimethoxyphenyl)-6-nitroquinolin-4(1*H*)-one (7cb).



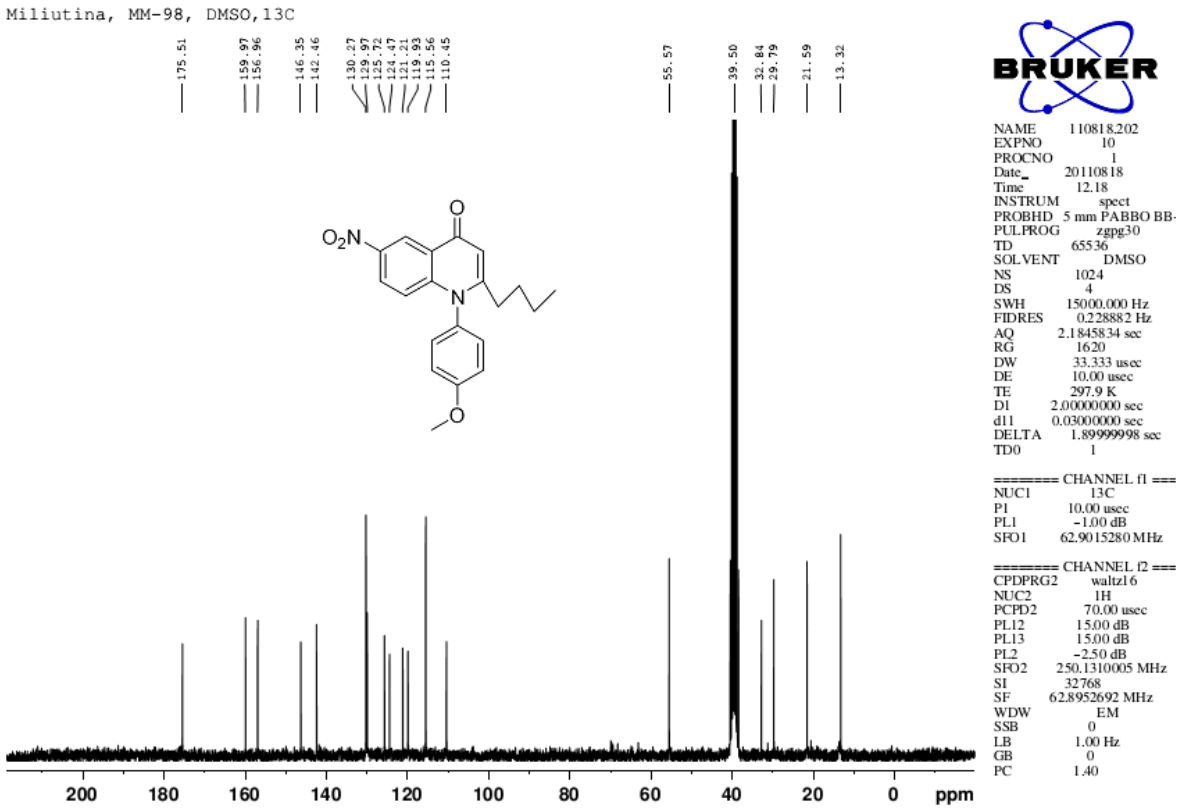
BRUKER

NAME	110809.u316
EXPNO	10
PROCNO	1
Date_	20110809
Time	23.34
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	1024
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 =====	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 =====	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677864 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

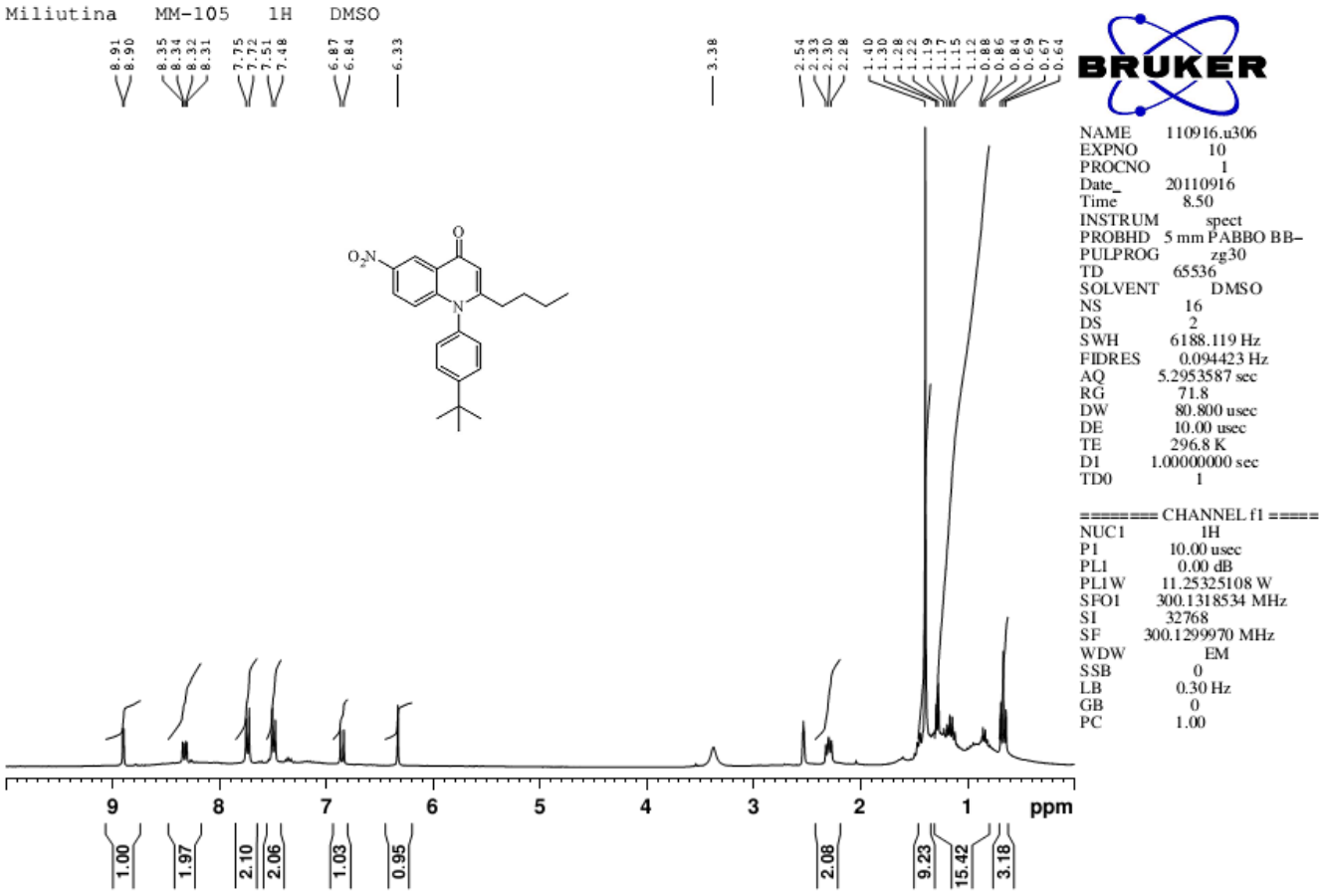
2-Butyl-1-(4-methoxyphenyl)-6-nitroquinolin-4(1*H*)-one (7cc).



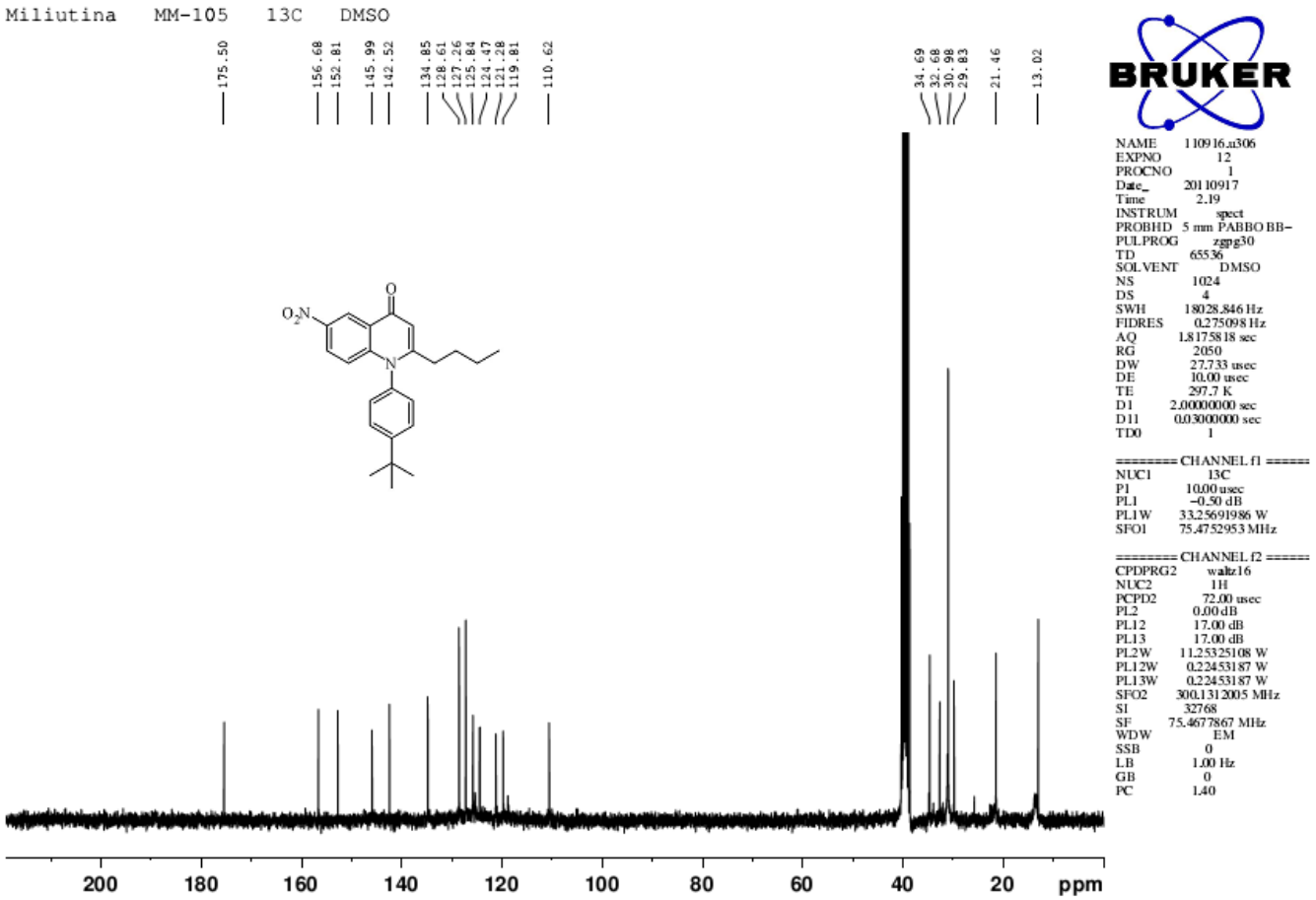
2-Butyl-1-(4-methoxyphenyl)-6-nitroquinolin-4(1*H*)-one (7cc).



2-Butyl-1-(4-*tert*-butylphenyl)-6-nitroquinolin-4(1*H*)-one (7cd).



2-Butyl-1-(4-*tert*-butylphenyl)-6-nitroquinolin-4(1*H*)-one (7cd).



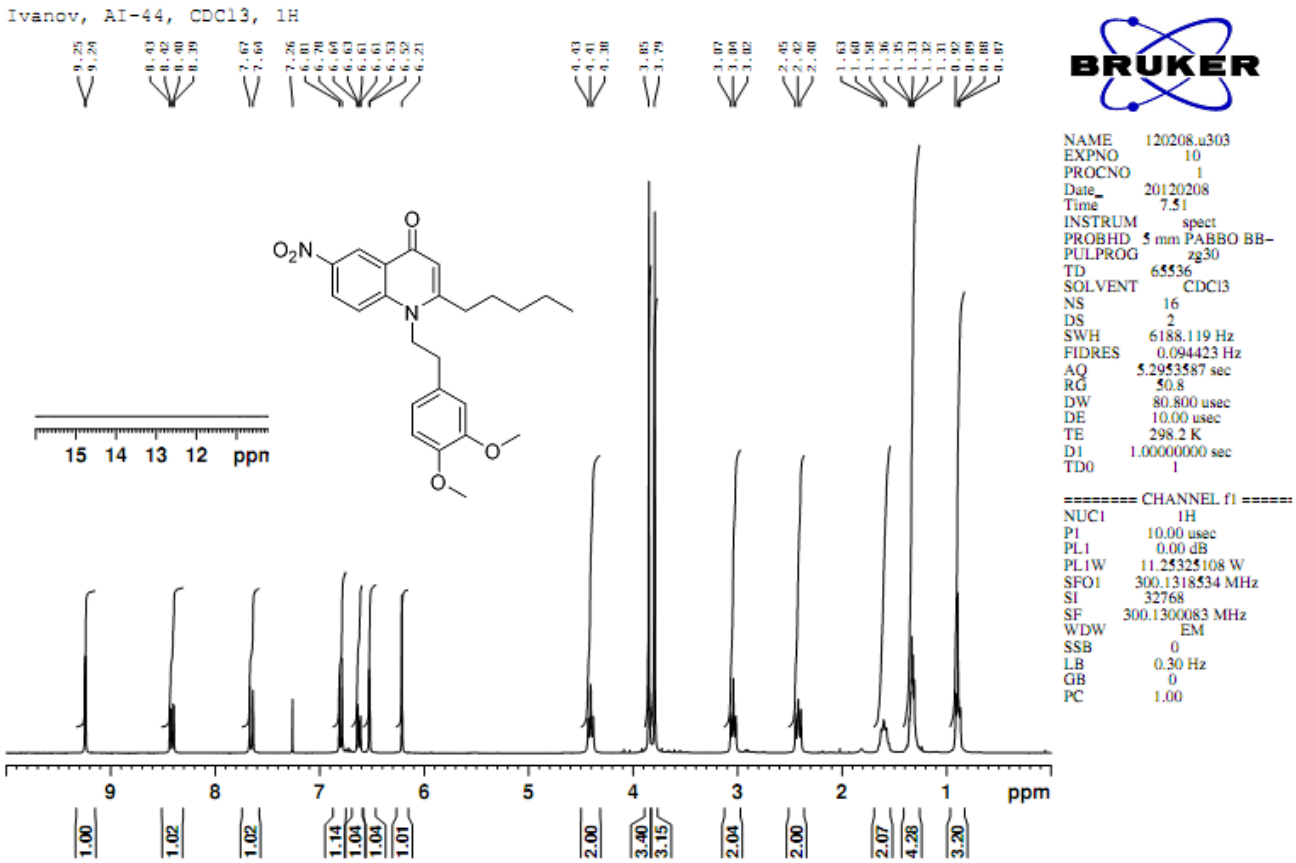
BRUKER

NAME 110916.u306
EXPNO 12
PROCNO 1
Date_ 20110917
Time 2.19
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 2050
DW 27.733 usec
DE 10.00 usec
TE 297.7 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

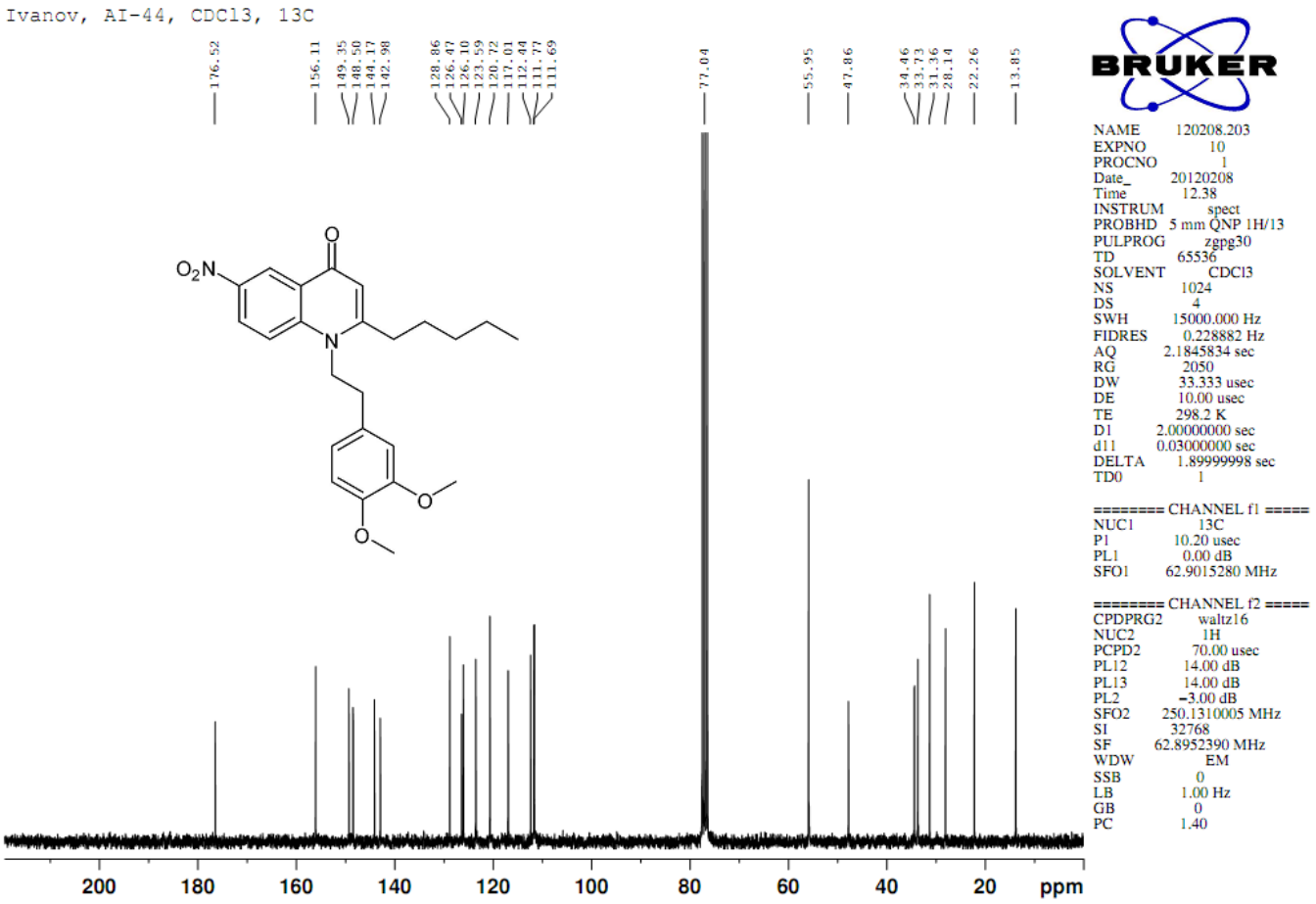
======== CHANNEL f1 ======
NUC1 13C
P1 10.00 usec
PL1 -0.50 dB
PL1W 33.25691986 W
SFO1 75.4752953 MHz

======== CHANNEL f2 ======
CPDPRG2 waltz16
NUC2 1H
PCPD2 72.00 usec
PL2 0.00 dB
PL12 17.00 dB
PL13 17.00 dB
PL2W 11.25325108 W
PL12W 0.22453187 W
PL13W 0.22453187 W
SFO2 300.1312005 MHz
SI 32768
SF 75.4677867 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

6-Nitro-(3,4-dimethoxyphenethyl)-2-pentyl-4-quinolone (7da).



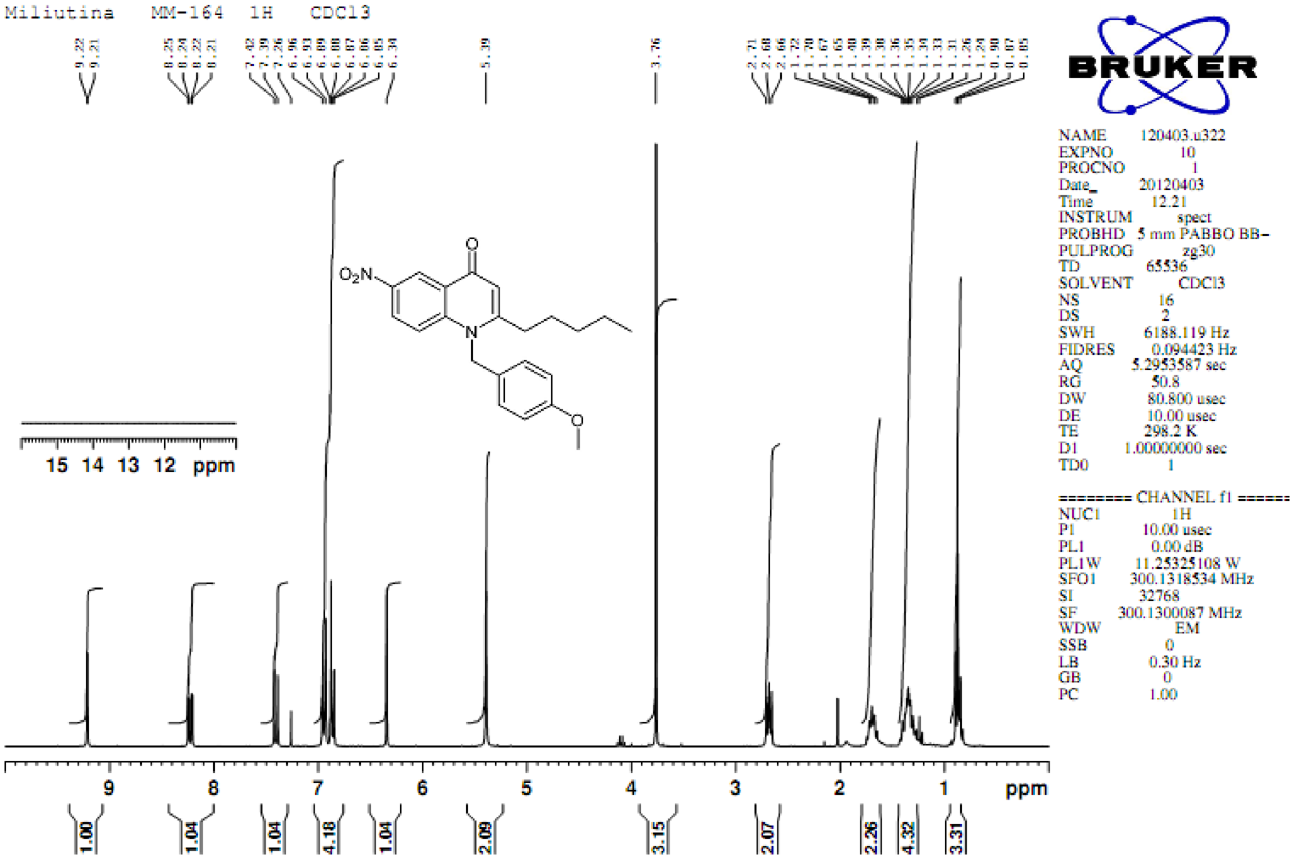
6-Nitro-(3,4-dimethoxyphenethyl)-2-pentyl-4-quinolone (7da).



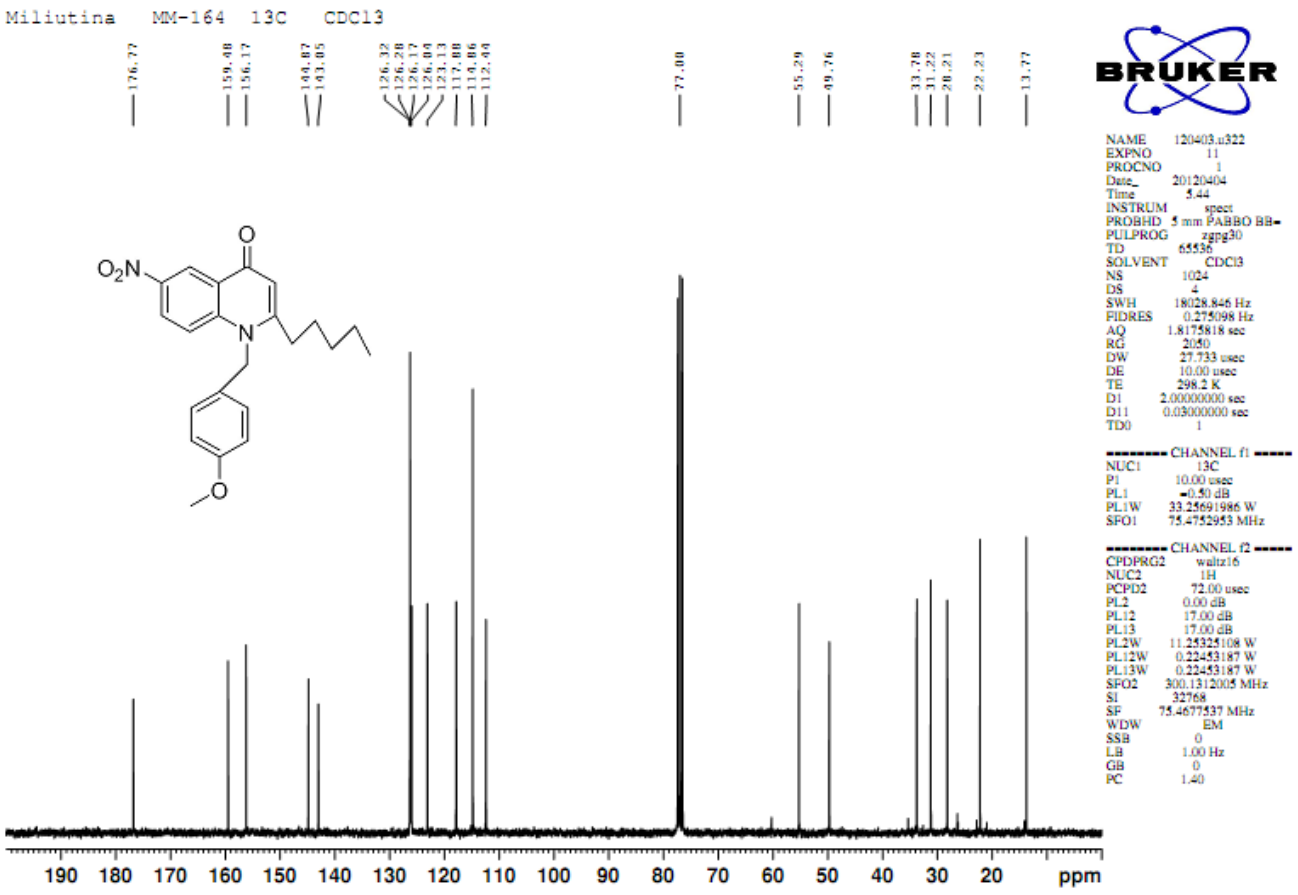
BRUKER

NAME	120208.203
EXPNO	10
PROCNO	1
Date_	20120208
Time	12.38
INSTRUM	spect
PROBHD	5 mm QNP 1H/13
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	298.2 K
D1	2.00000000 sec
d11	0.03000000 sec
DELTA	1.89999998 sec
TD0	1
======== CHANNEL f1 =====	
NUC1	13C
P1	10.20 usec
PL1	0.00 dB
SFO1	62.9015280 MHz
======== CHANNEL f2 =====	
CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	14.00 dB
PL13	14.00 dB
PL2	-3.00 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952390 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

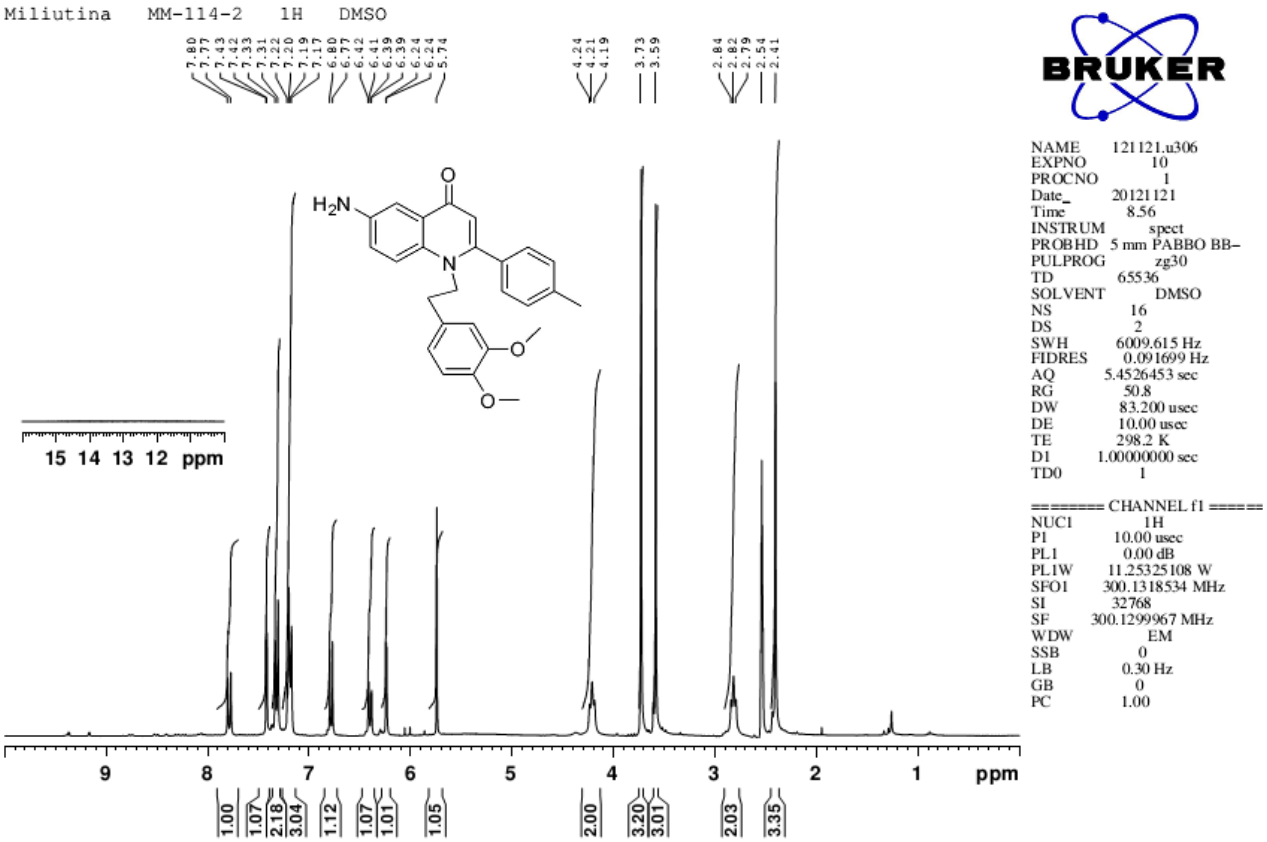
1-(4-Methoxybenzyl)-6-nitro-2-pentylquinolin-4(1*H*)-one (7db).



1-(4-Methoxybenzyl)-6-nitro-2-pentylquinolin-4(1*H*)-one (7db).



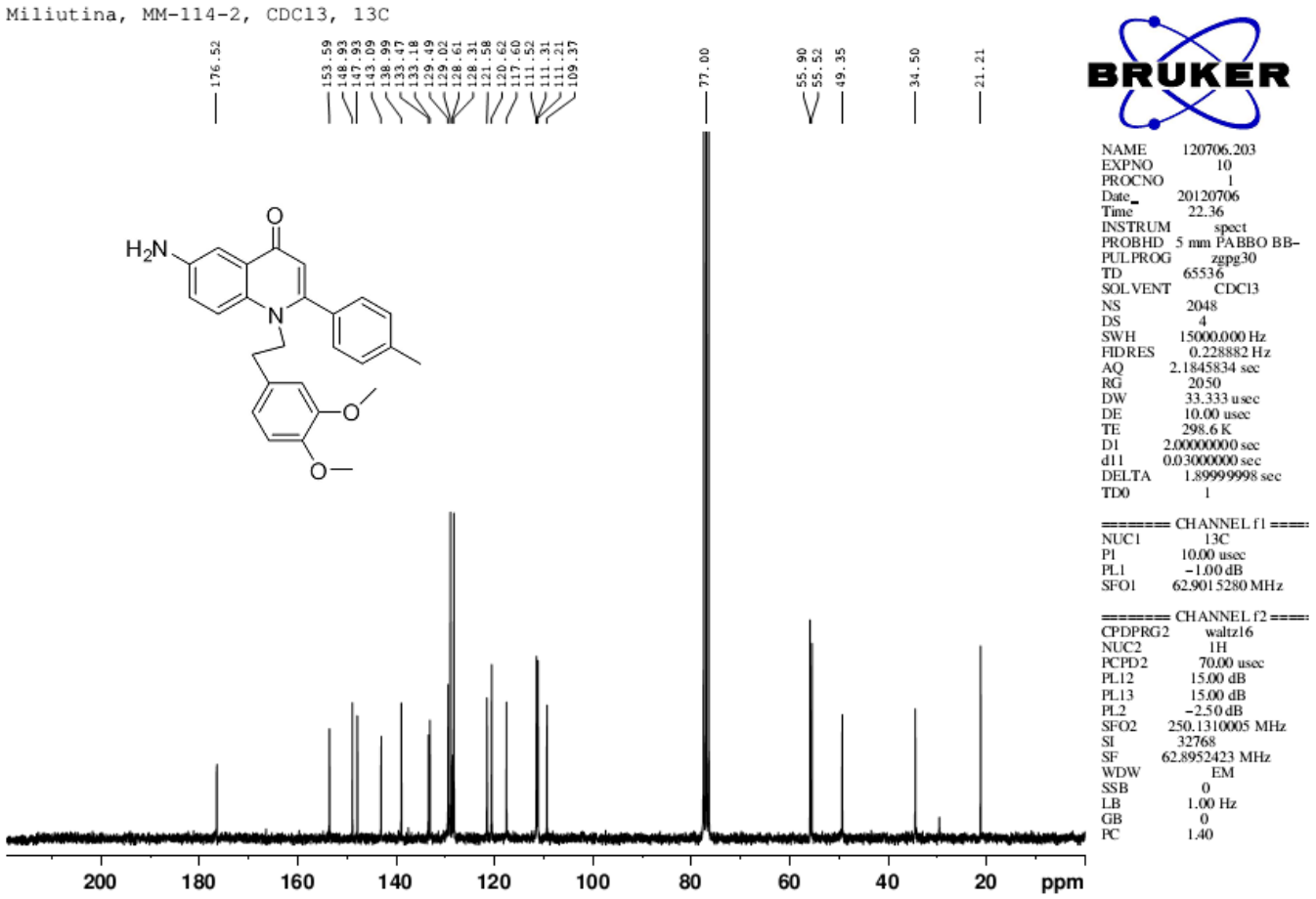
6-Amino-1-(3,4-dimethoxyphenethyl)-2-*p*-tolylquinolin-4(1*H*)-one (8aa).



BRUKER

NAME	121121.u306
EXPNO	10
PROCNO	1
Date_	20121121
Time	8.56
INSTRUM	spect
PROBHD	5 mm PABBO BB–
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	6009.615 Hz
FIDRES	0.091699 Hz
AQ	5.4526453 sec
RG	50.8
DW	83.200 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1
====== CHANNEL f1 ======	
NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1299967 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

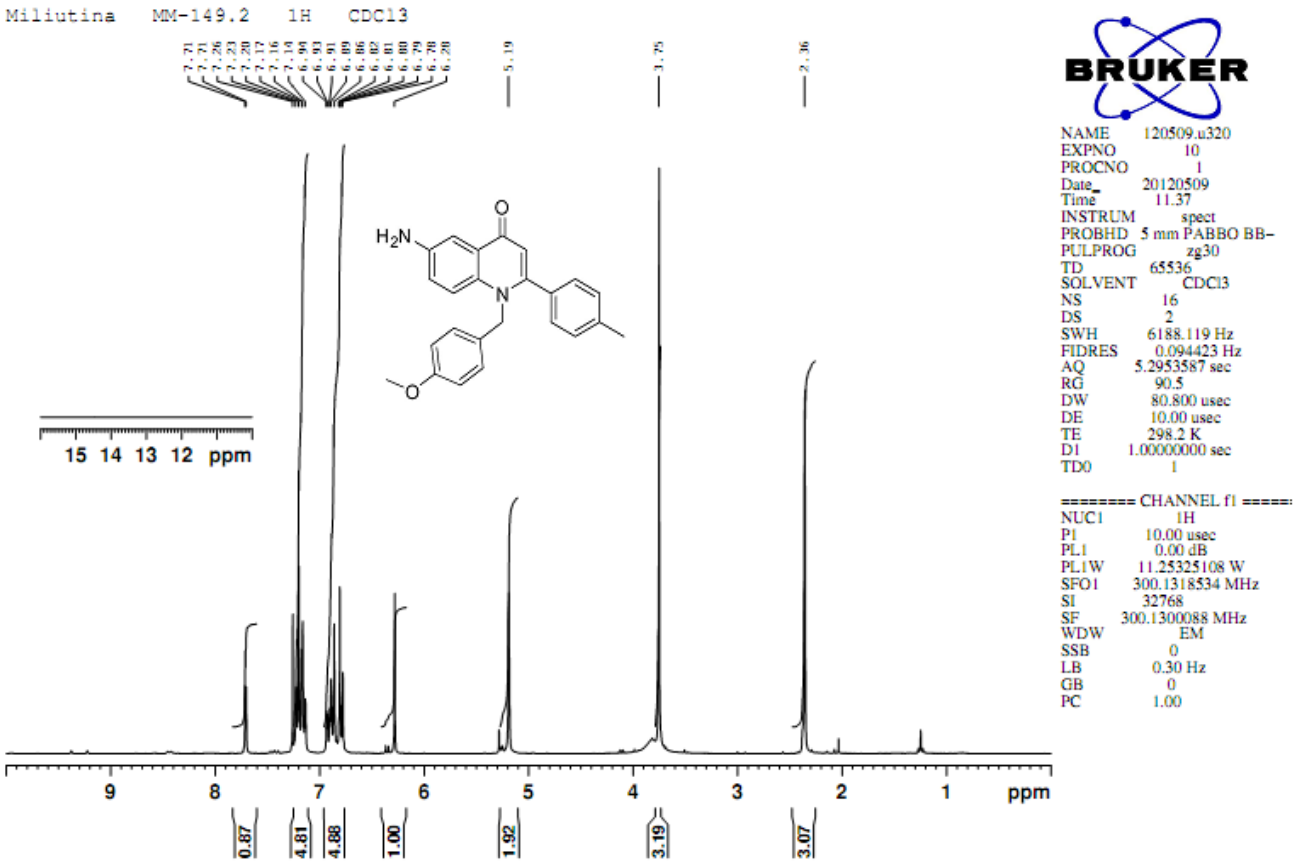
6-Amino-1-(3,4-dimethoxyphenethyl)-2-*p*-tolylquinolin-4(1*H*)-one (8aa).



BRUKER

NAME	120706.203
EXPNO	10
PROCNO	1
Date_	20120706
Time	22.36
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	2048
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	298.6 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	62.8952423 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

6-Amino-1-(4-methoxybenzyl)-2-*p*-tolylquinolin-4(1*H*)-one (8ab).

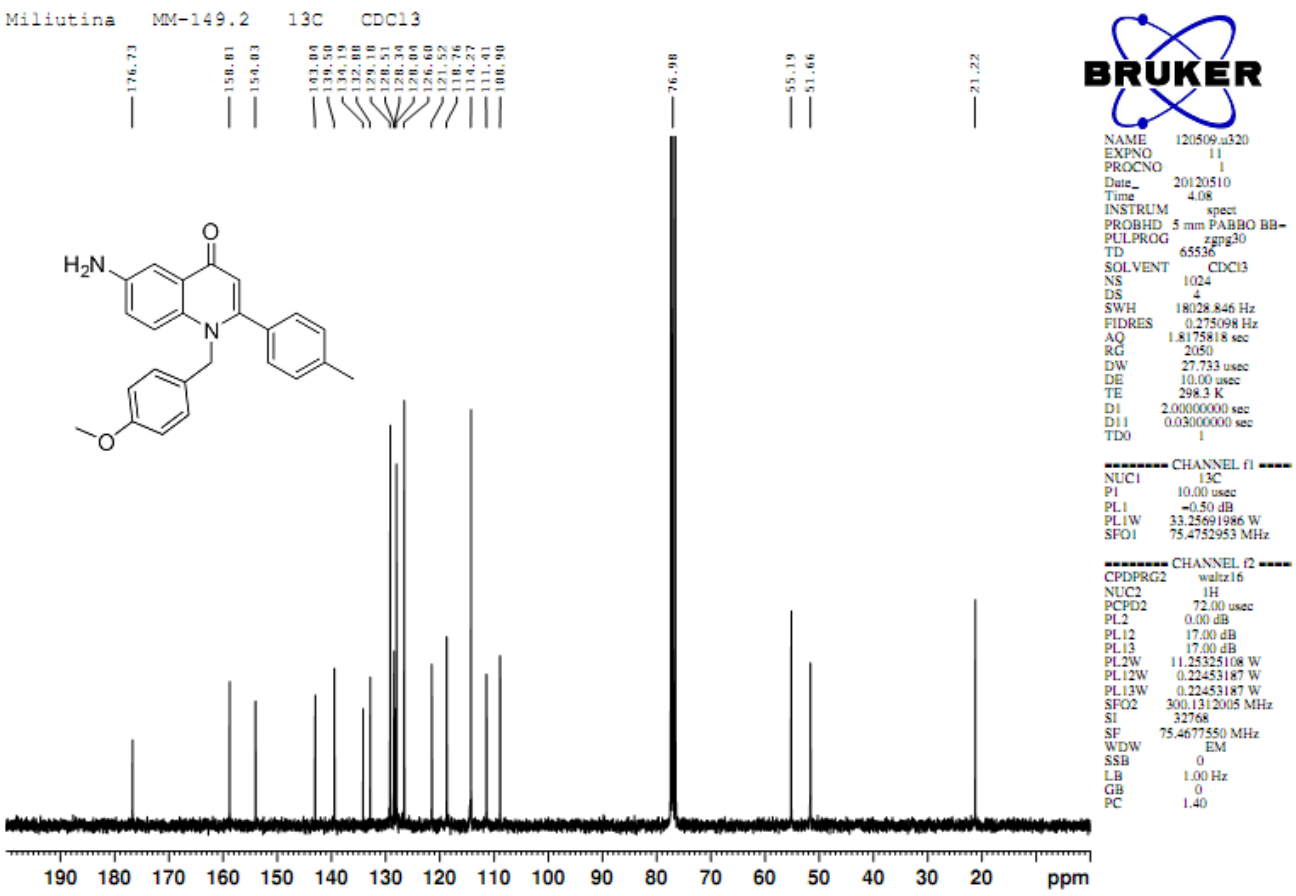


BRUKER

NAME 120509.u320
EXPNO 10
PROCNO 1
Date_ 20120509
Time 11.37
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 90.5
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ======
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1300088 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

6-Amino-1-(4-methoxybenzyl)-2-*p*-tolylquinolin-4(1*H*)-one (8ab).



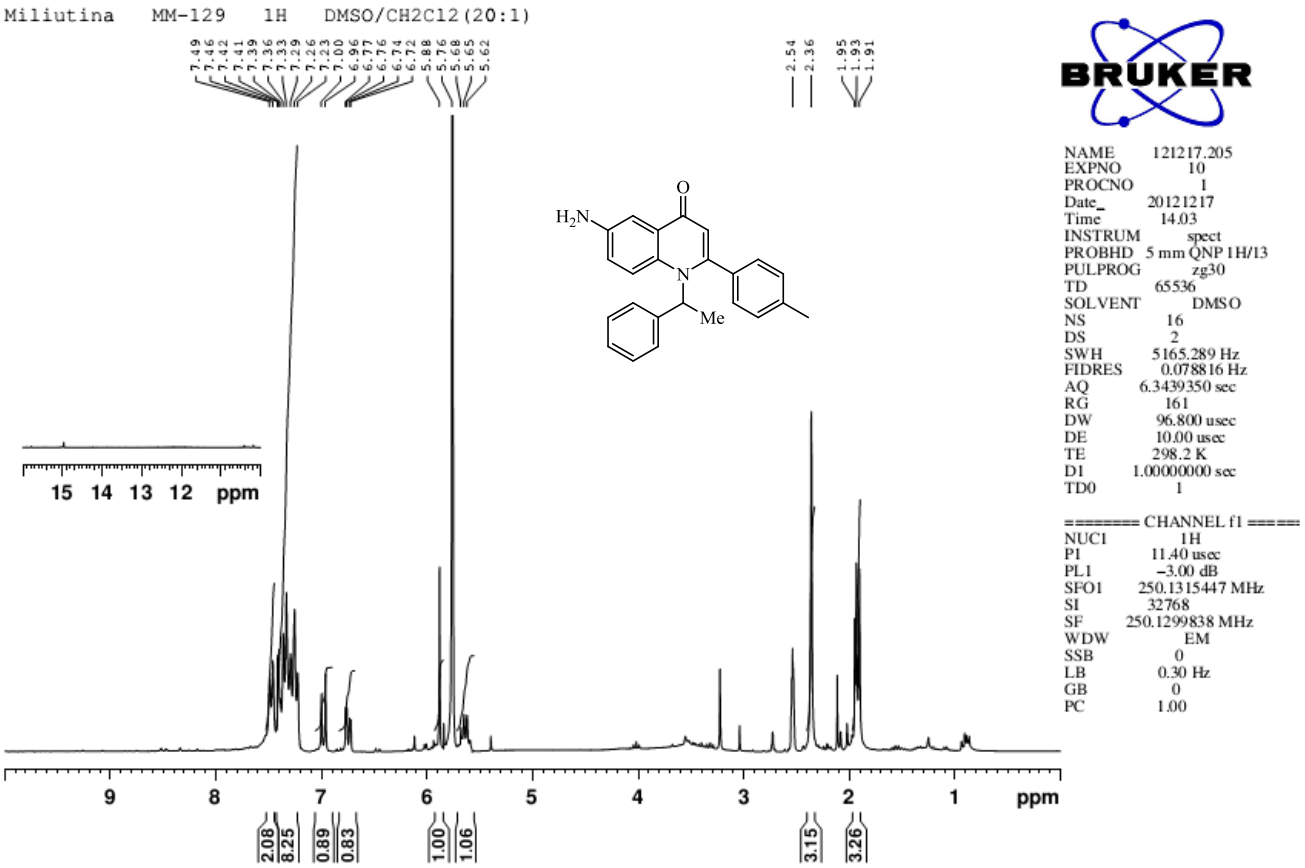
BRUKER

NAME 120509.u320
EXPNO 11
PROCNO 1
Date_ 20120510
Time 4.08
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 2050
DW 27.733 usec
DE 10.00 usec
TE 298.3 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 13C
P1 10.00 usec
PL1 -0.50 dB
PL1W 33.25691986 W
SFO1 75.4752953 MHz

======== CHANNEL f2 ========
CPDPRG2 waltz16
NUC2 1H
PCPD2 72.00 usec
PL2 0.00 dB
PL12 17.00 dB
PL13 17.00 dB
PL2W 11.25325108 W
PL12W 0.22453187 W
PL13W 0.22453187 W
SFO2 300.1312005 MHz
SI 32768
SF 75.4677550 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

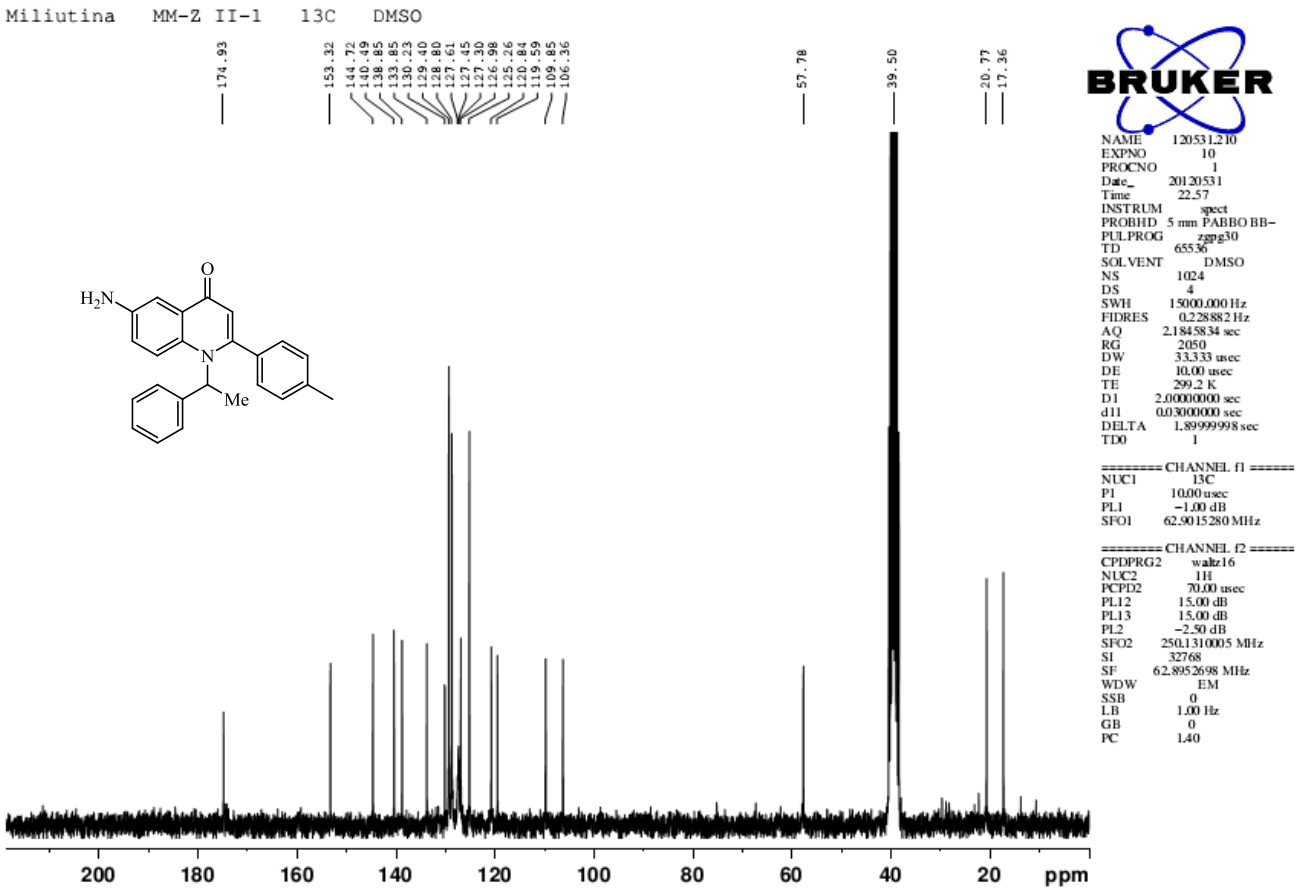
6-Amino-1-(1-phenylethyl)-2-*p*-tolylquinolin-4(1*H*)-one (8ac).



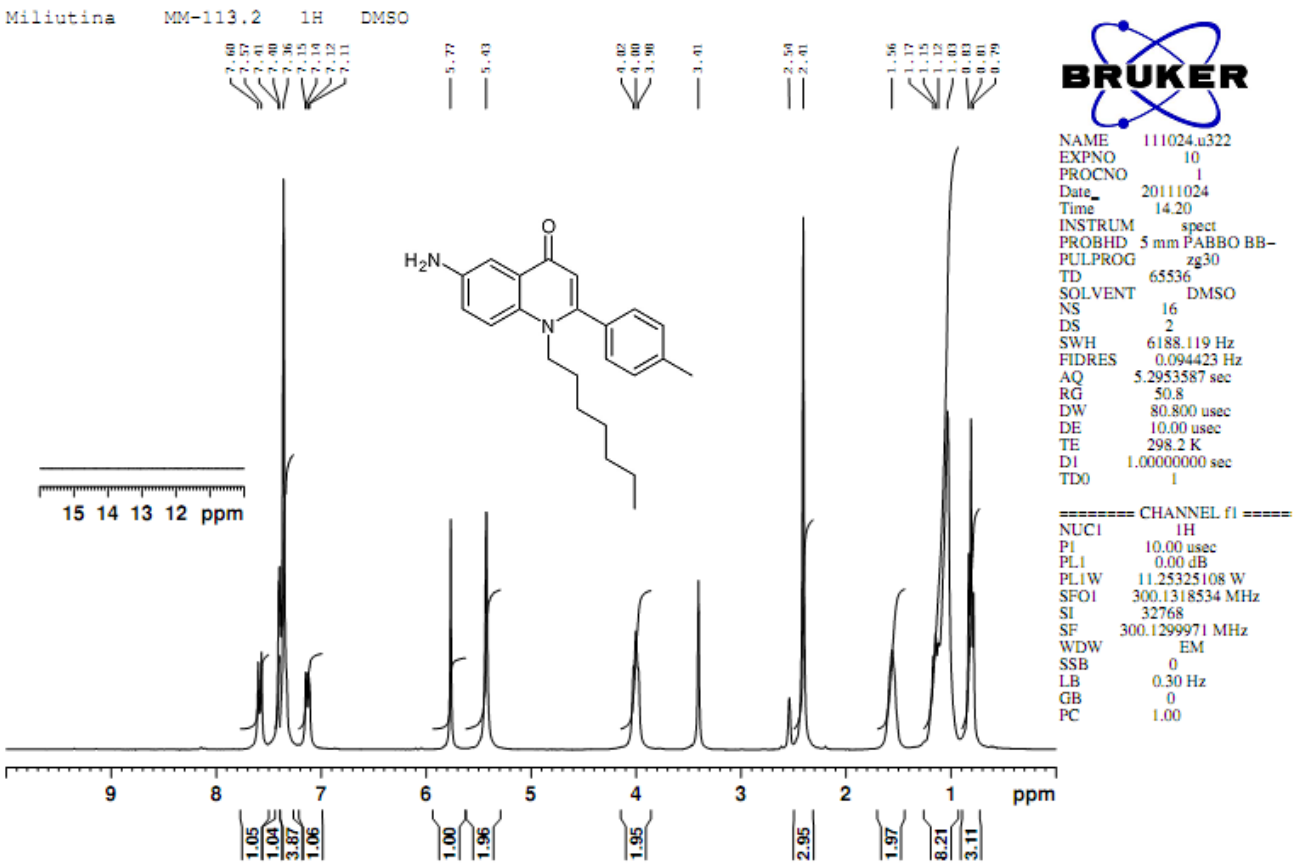
BRUKER

NAME	121217.205
EXPNO	10
PROCNO	1
Date_	20121217
Time	14.03
INSTRUM	spect
PROBHD	5 mm QNP 1H/13
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	5165.289 Hz
FIDRES	0.078816 Hz
AQ	6.3439350 sec
RG	161
DW	96.800 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	1H
P1	11.40 usec
PL1	−3.00 dB
SFO1	250.1315447 MHz
SI	32768
SF	250.1299838 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

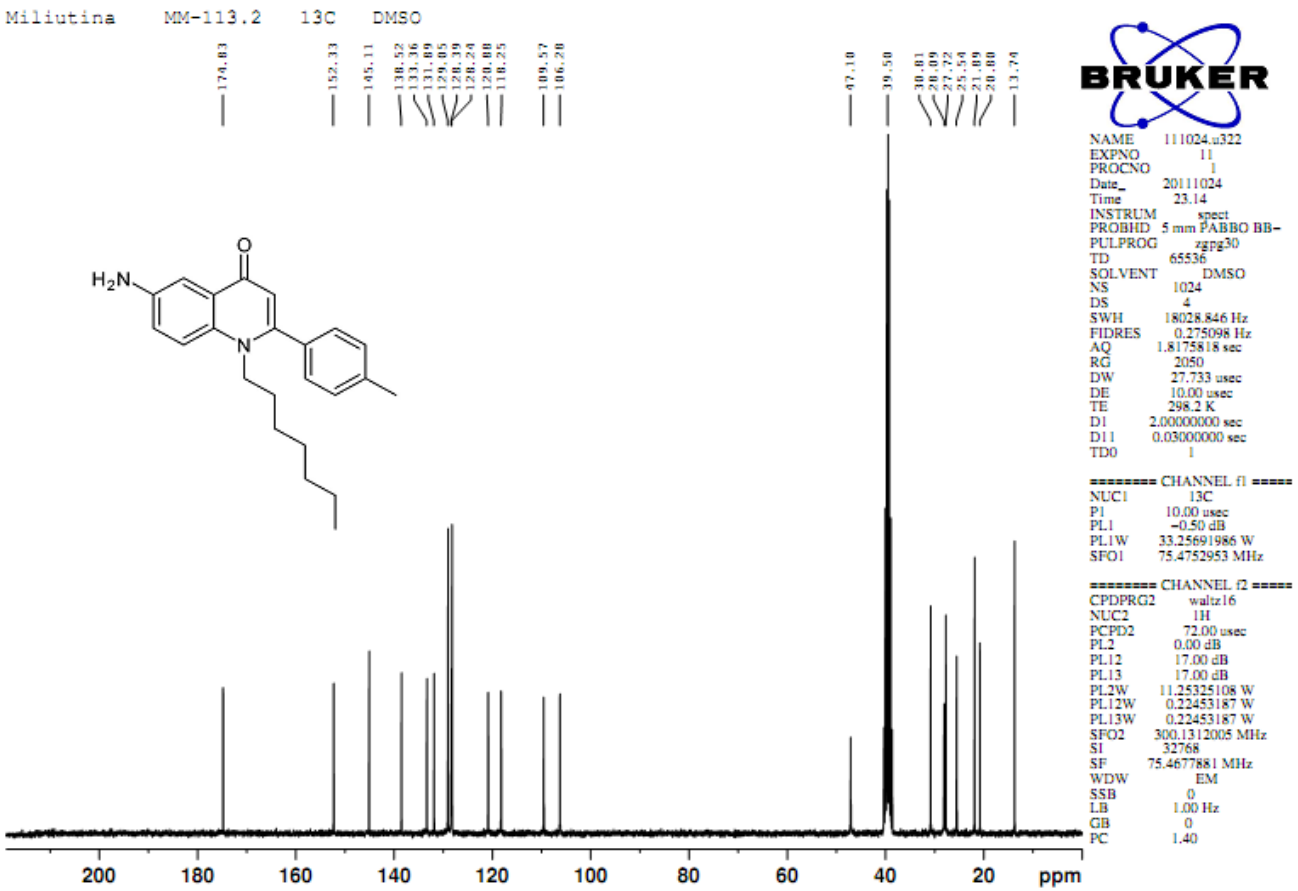
6-Amino-1-(1-phenylethyl)-2-*p*-tolylquinolin-4(1*H*)-one (8ac).



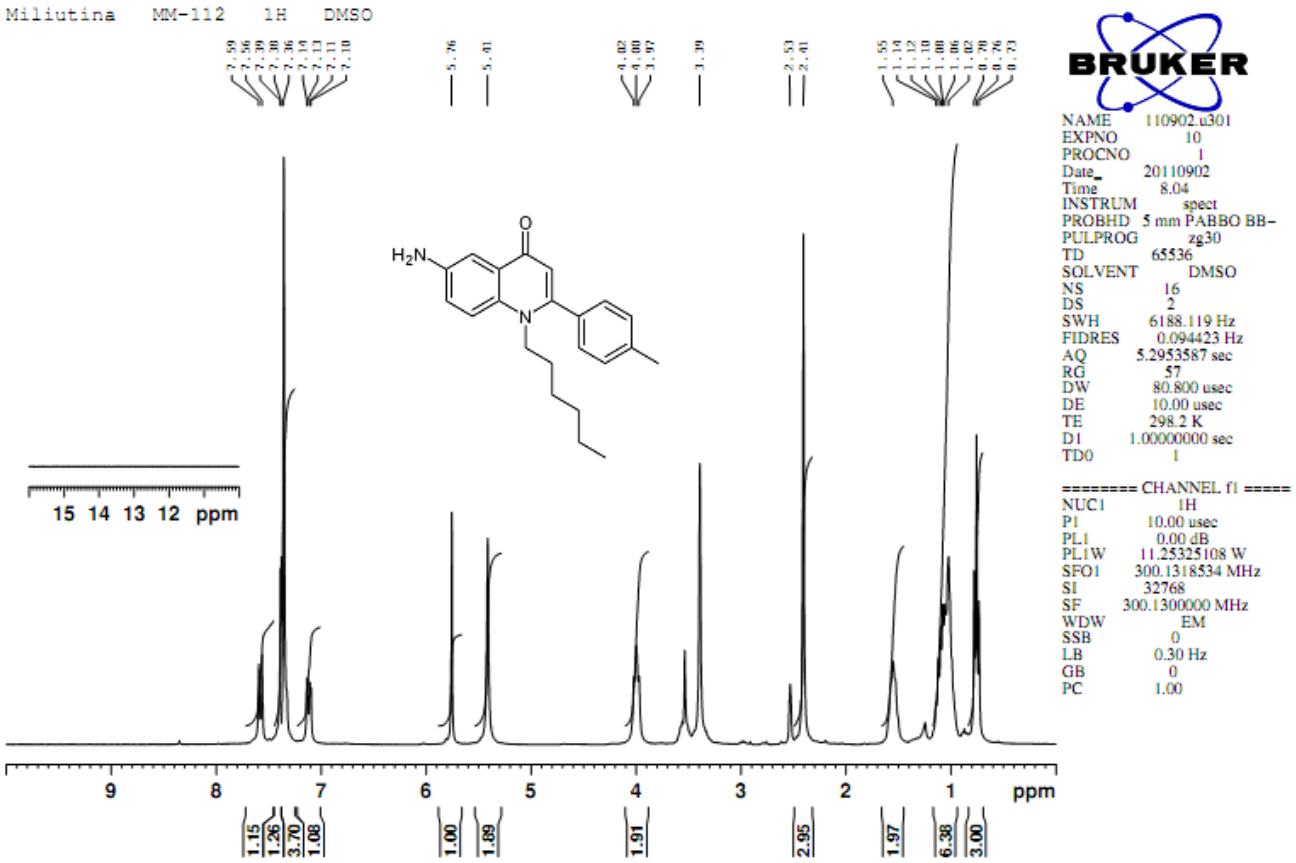
6-Amino-1-heptyl-2-*p*-tolylquinolin-4(1*H*)-one (8ad).



6-Amino-1-heptyl-2-*p*-tolylquinolin-4(1*H*)-one (8ad).



6-Amino-1-hexyl-2-*p*-tolylquinolin-4(1*H*)-one (8ae).

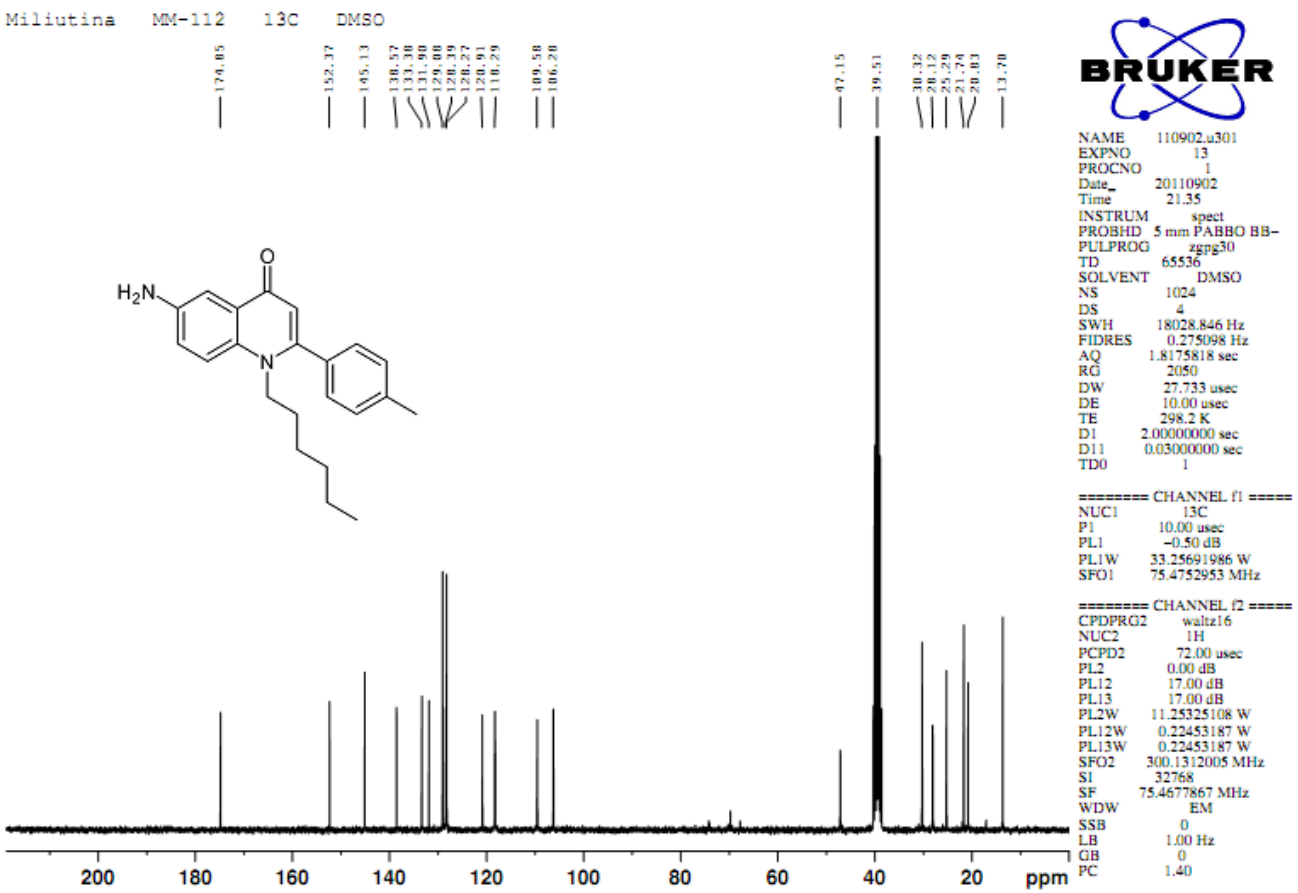


BRUKER

NAME 110902.u301
EXPNO 10
PROCNO 1
Date_ 20110902
Time 8.04
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 57
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
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

6-Amino-1-hexyl-2-*p*-tolylquinolin-4(1*H*)-one (8ae).



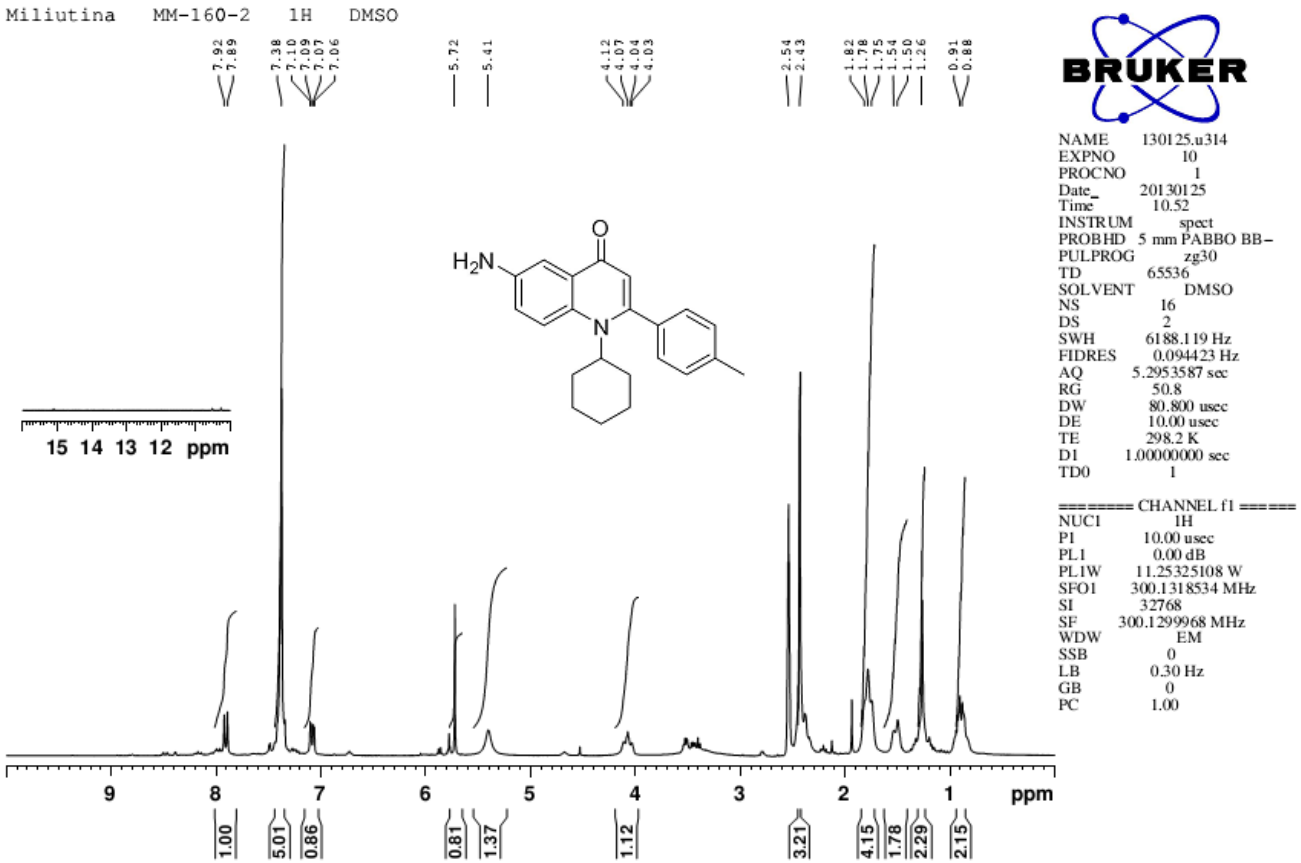
BRUKER

NAME 110902.u301
EXPNO 13
PROCNO 1
Date_ 20110902
Time 21.35
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 2050
DW 27.733 usec
DE 10.00 usec
TE 298.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
PL1 -0.50 dB
PL1W 33.25691986 W
SFO1 75.4752953 MHz

======== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 72.00 usec
PL2 0.00 dB
PL12 17.00 dB
PL13 17.00 dB
PL2W 11.25325108 W
PL12W 0.22453187 W
PL13W 0.22453187 W
SFO2 300.1312005 MHz
SI 32768
SF 75.4677867 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

6-Amino-1-cyclohexyl-2-*p*-tolylquinolin-4(1*H*)-one (8af).



BRUKER

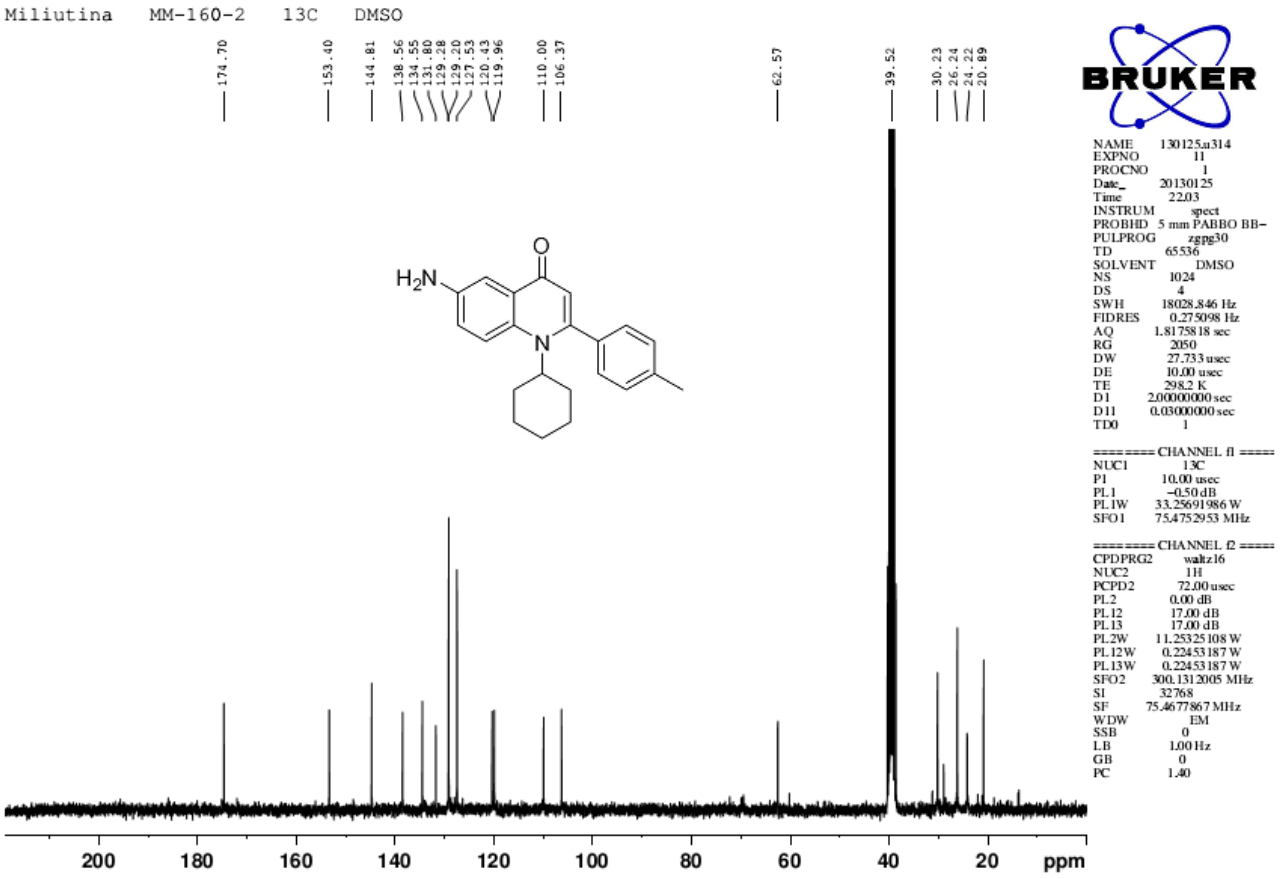
NAME	130125.u314
EXPNO	10
PROCNO	1
Date_	20130125
Time	10.52
INSTRUM	spect
PROBHD	5 mm PABBO BB–
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	50.8
DW	80.800 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1

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

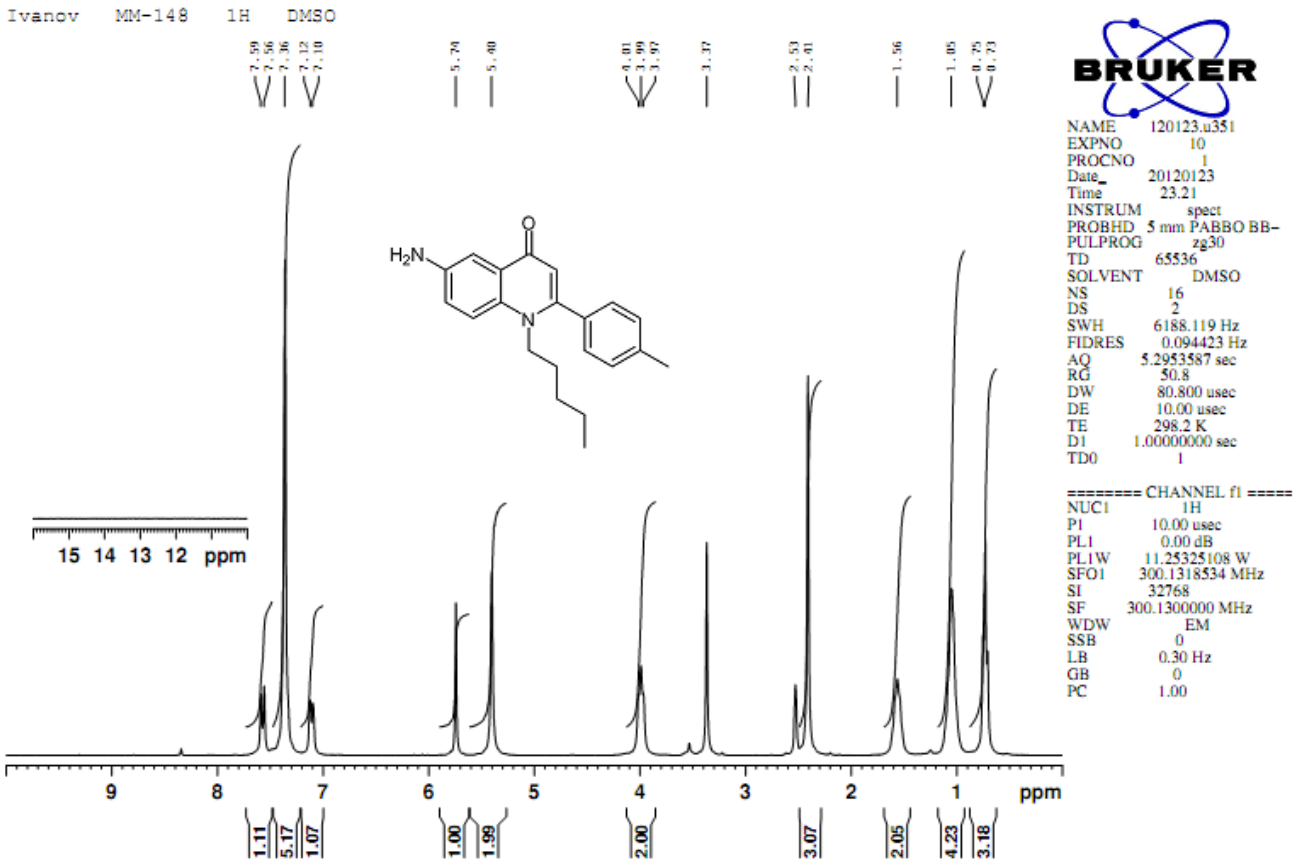
NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1299968 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

Formatiert: Englisch (USA)

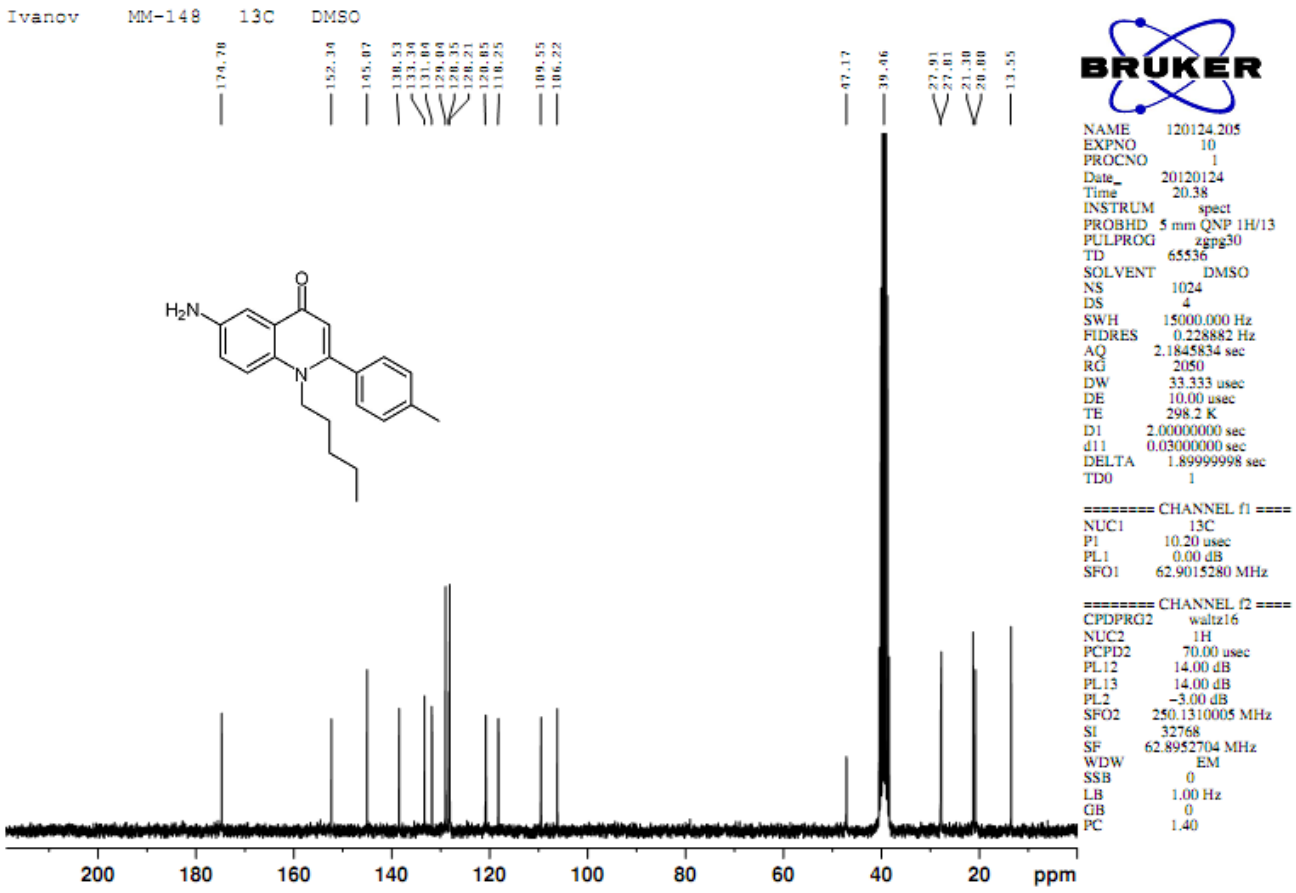
6-Amino-1-cyclohexyl-2-*p*-tolylquinolin-4(1*H*)-one (8af).



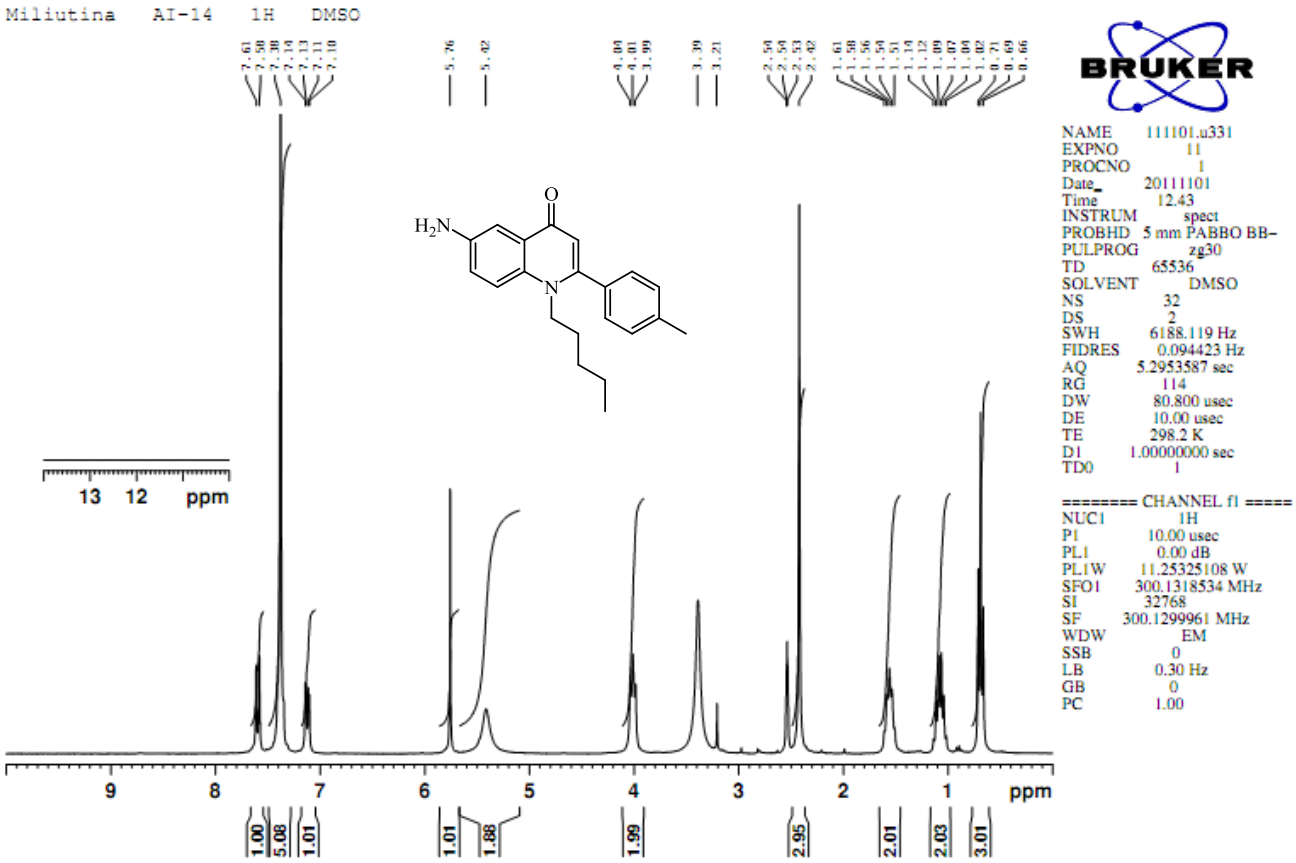
6-Amino-1-pentyl-2-*p*-tolylquinolin-4(1*H*)-one (8ag).



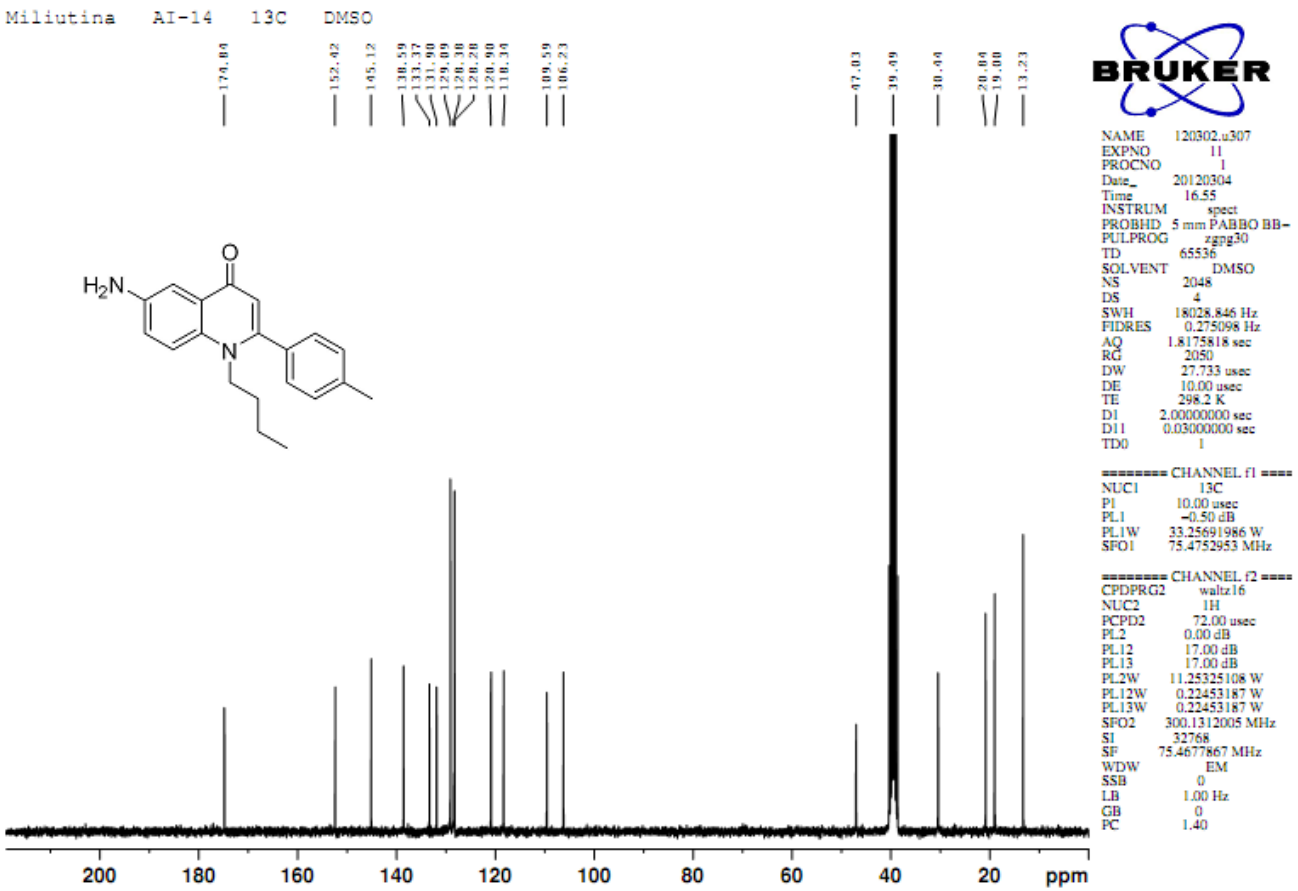
6-Amino-1-pentyl-2-*p*-tolylquinolin-4(1*H*)-one (8ag).



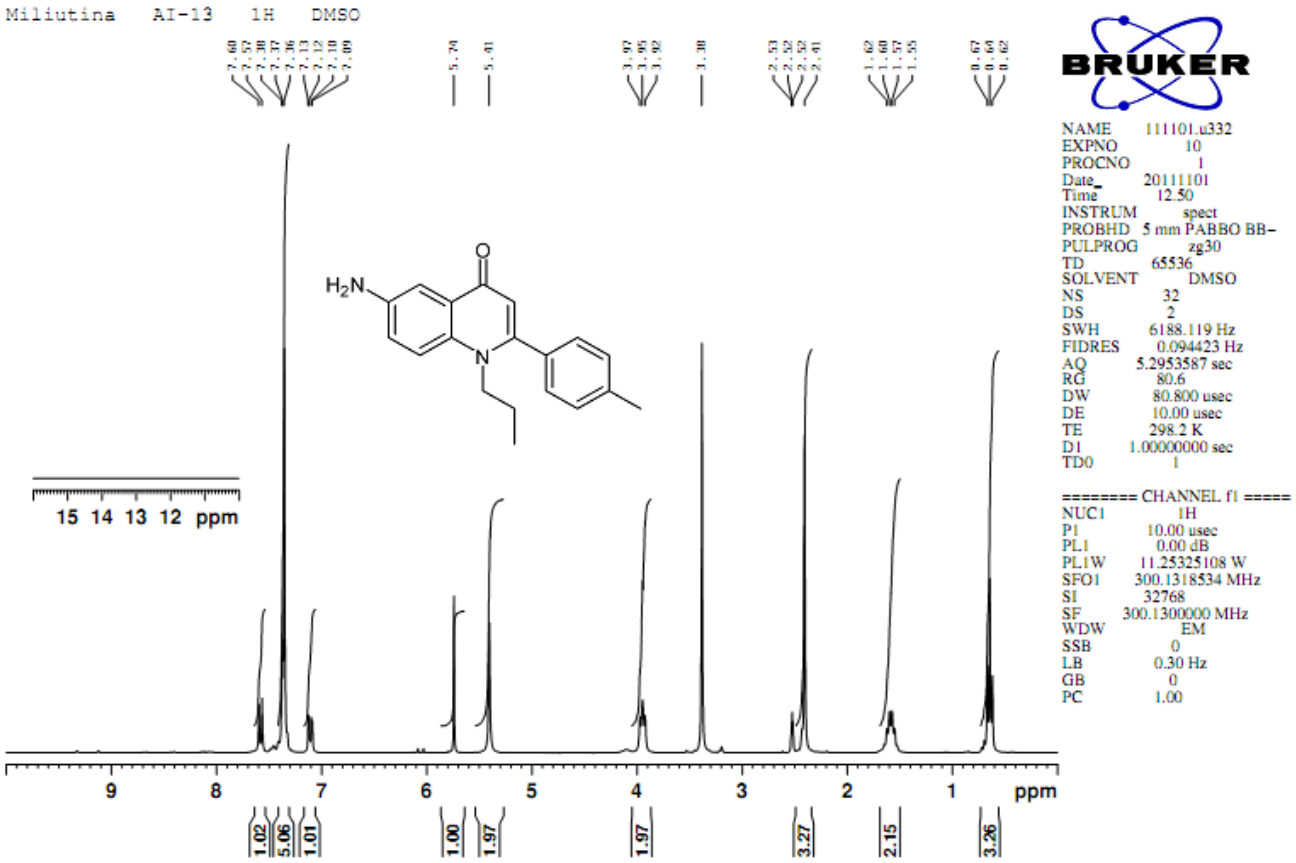
6-Amino-1-*n*-butyl-2-*p*-tolyl-4-quinolone (8ah).



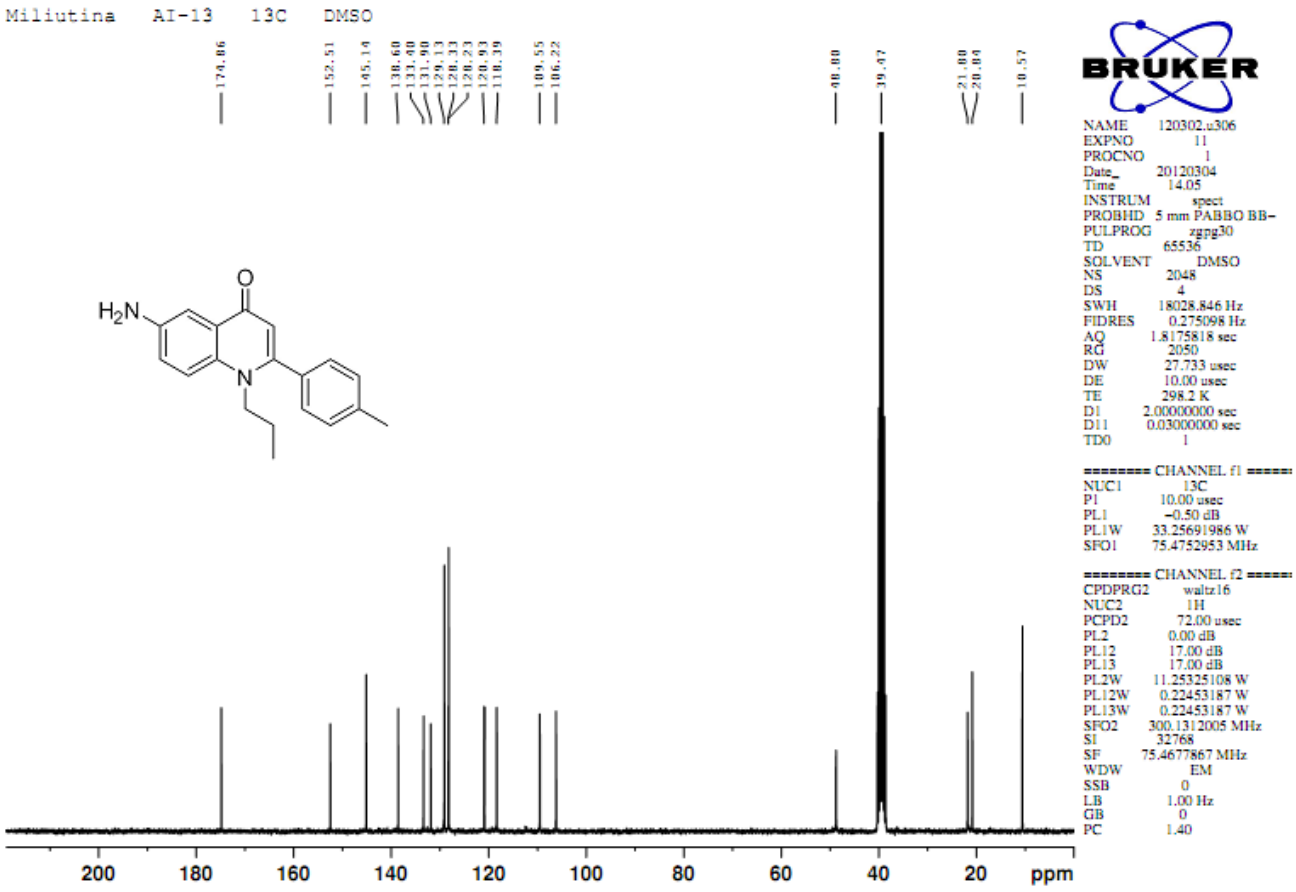
6-Amino-1-*n*-butyl-2-*p*-tolyl-4-quinolone (8ah).



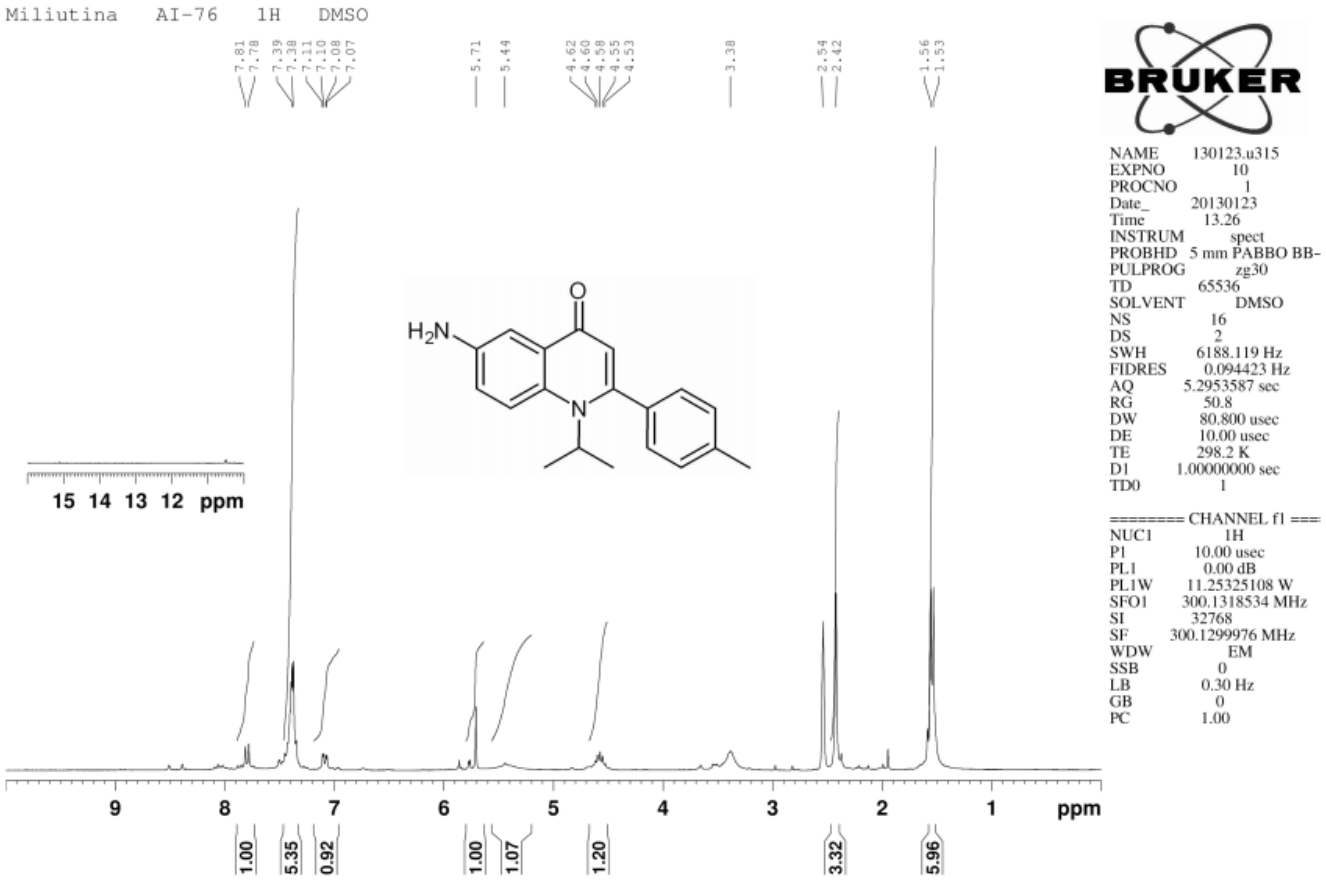
6-Amino-1-*n*-propyl-2-*p*-tolyl-4-quinolone (8ai).



6-Amino-1-*n*-propyl-2-*p*-tolyl-4-quinolone (8ai).



6-Amino-1-isopropyl-2-*p*-tolylquinolin-4(1*H*)-one (8aj).



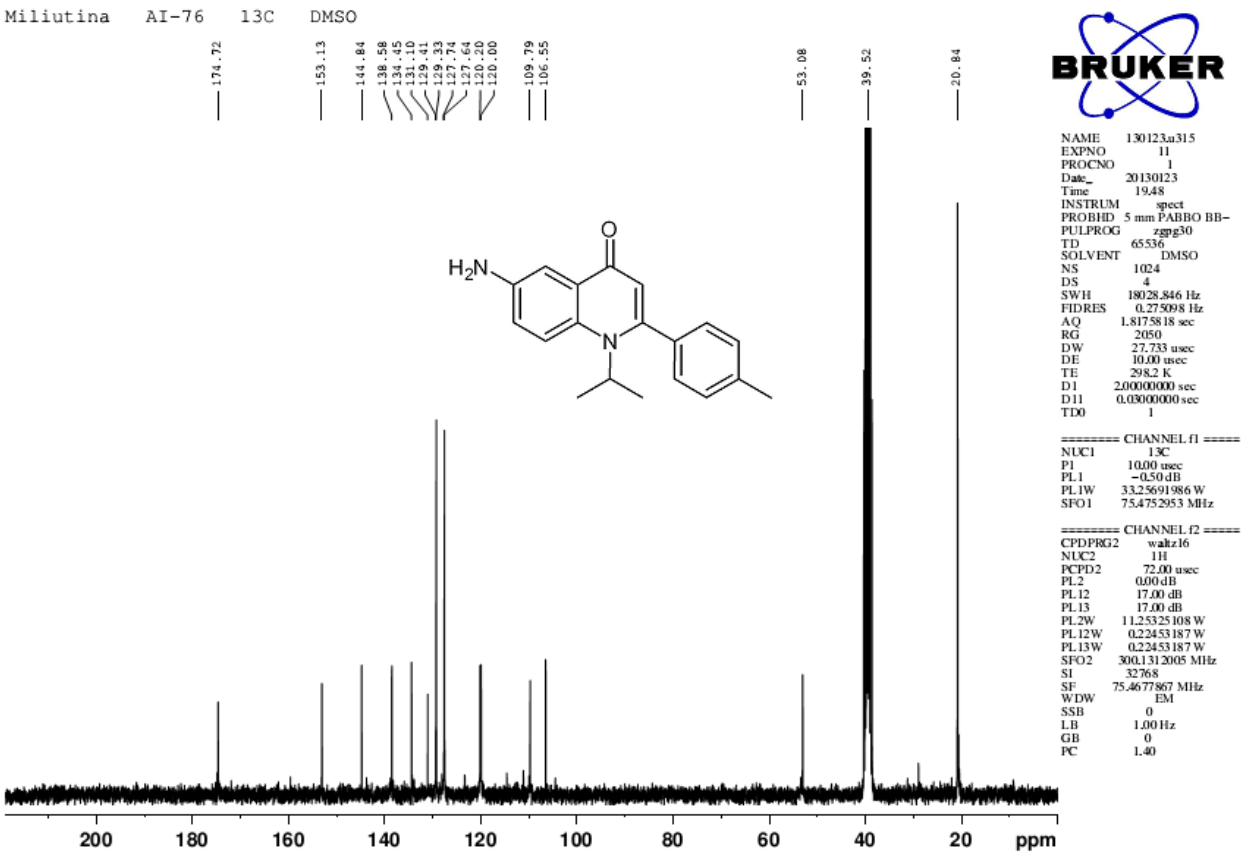
BRUKER

NAME	130123.u315
EXPNO	10
PROCNO	1
Date_	20130123
Time	13.26
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	50.8
DW	80.800 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1

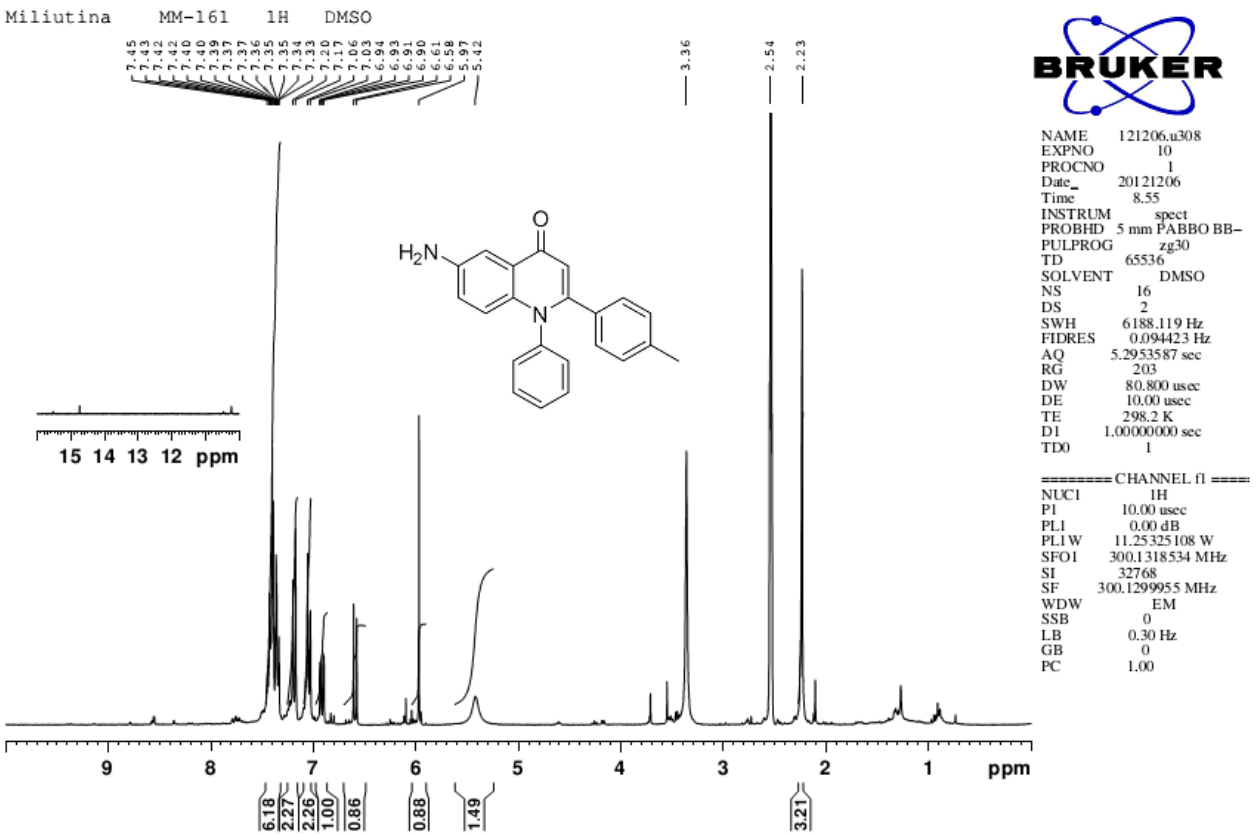
======== CHANNEL f1 ===

NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1299976 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

6-Amino-1-isopropyl-2-*p*-tolylquinolin-4(1*H*)-one (8aj).

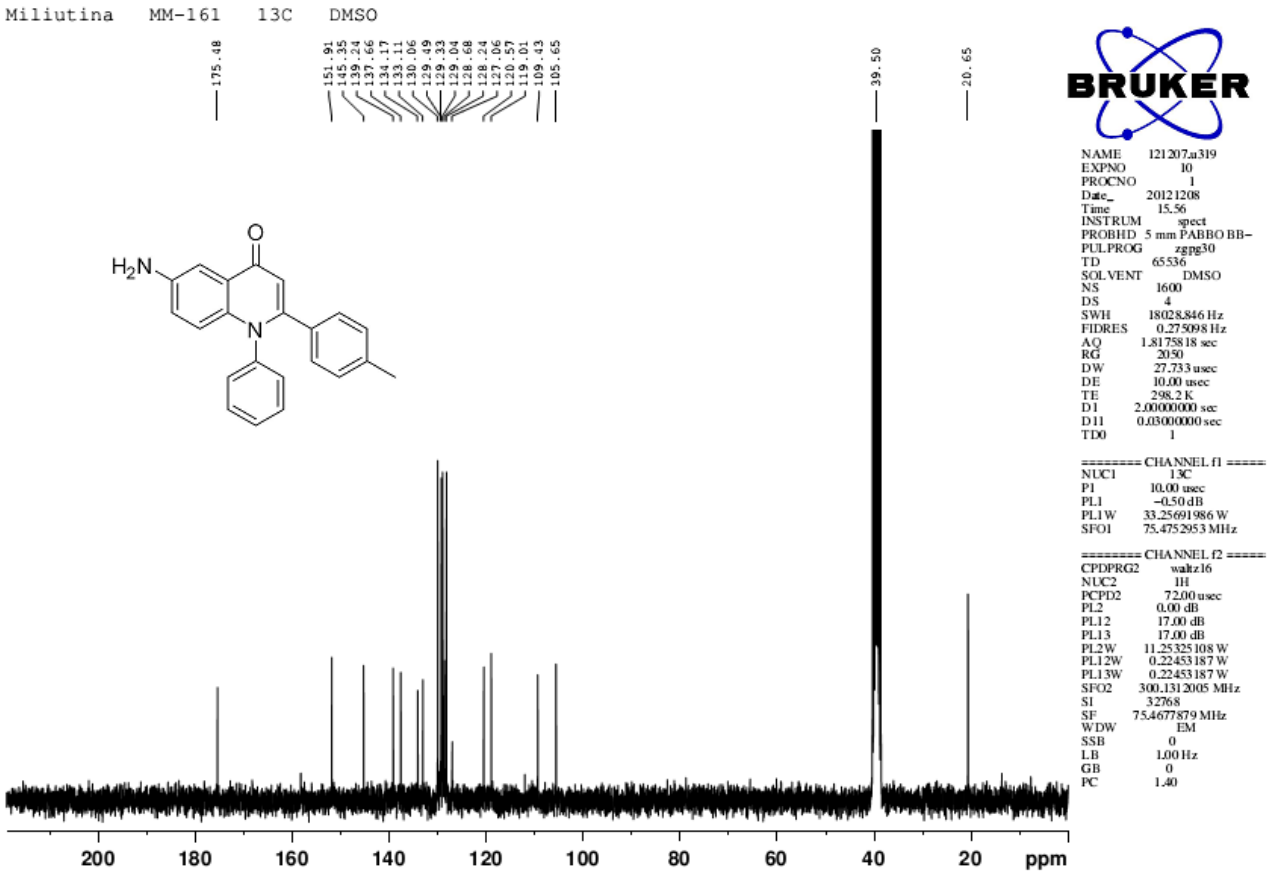


6-Amino-1-phenyl-2-*p*-tolylquinolin-4(1*H*)-one (8ak).



NAME	121206.u308
EXPNO	10
PROCNO	1
Date_	20121206
Time	8.55
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	203
DW	80.800 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 =====	
NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1299955 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

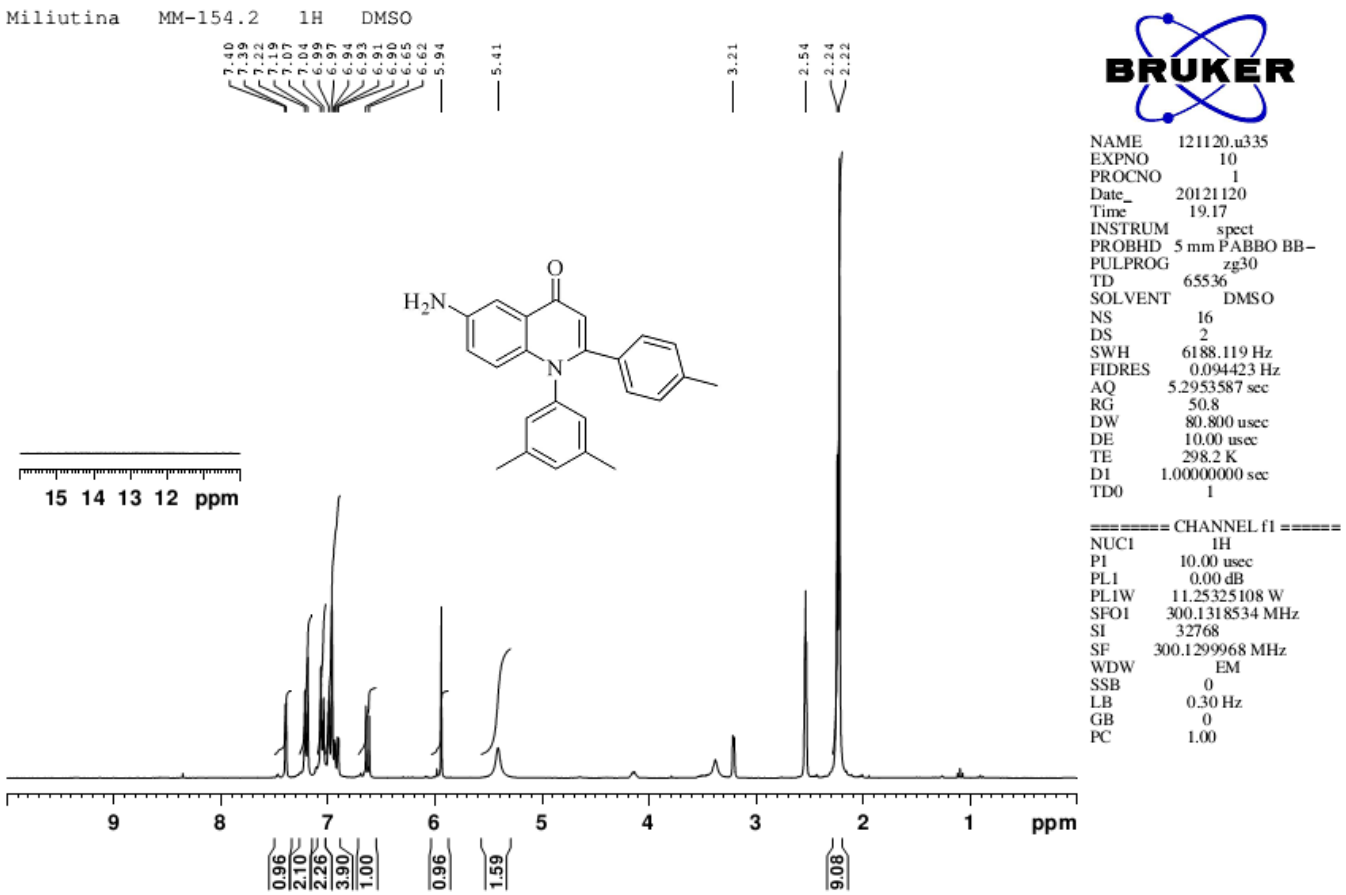
6-Amino-1-phenyl-2-*p*-tolylquinolin-4(1*H*)-one (8ak).



BRUKER

NAME	121207.u319
EXPNO	10
PROCNO	1
Date_	20121208
Time	15.56
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	1600
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 ======	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677879 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

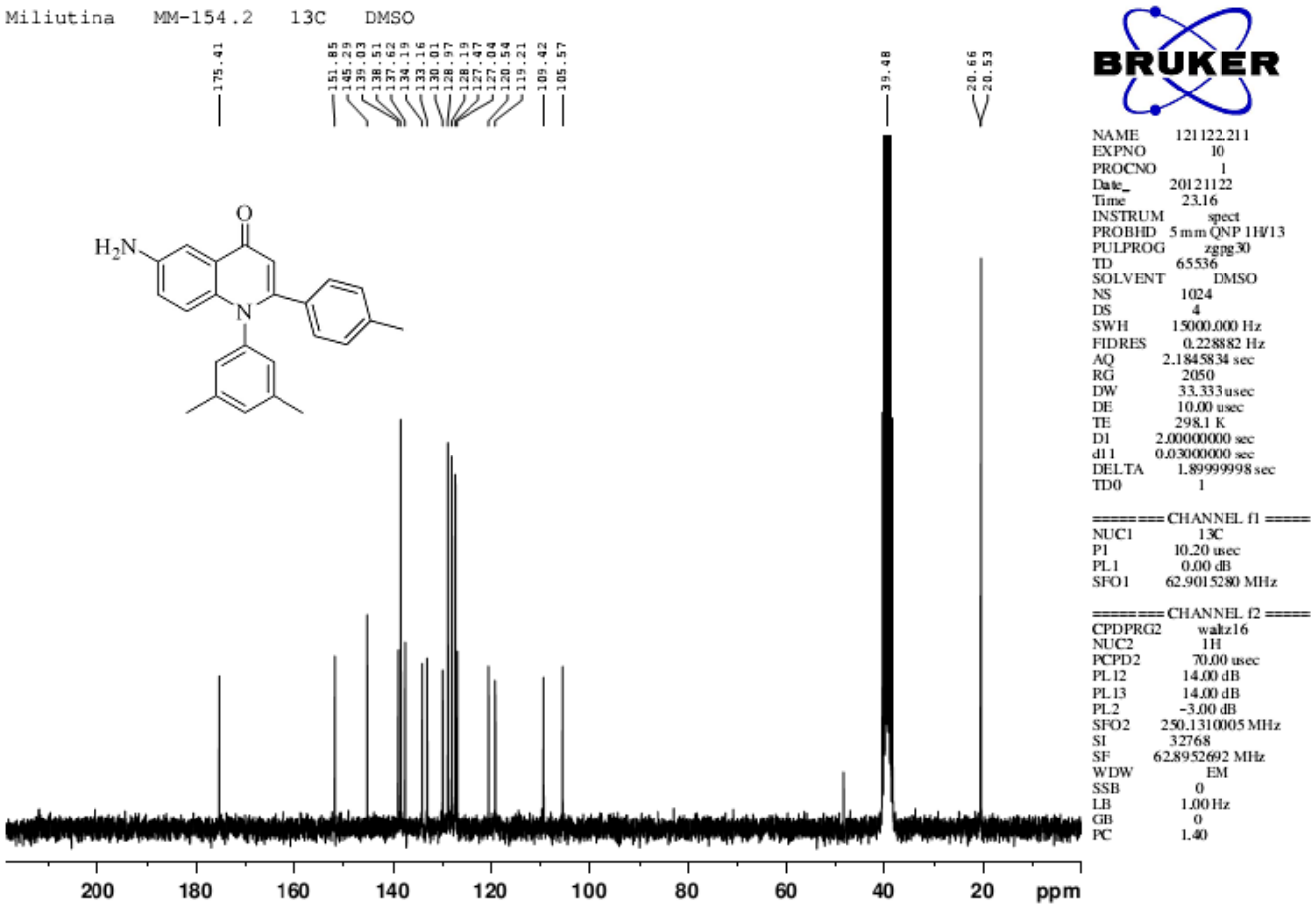
6-Amino-1-(3,5-dimethylphenyl)-2-*p*-tolylquinolin-4(1*H*)-one (8aml).



BRUKER

NAME	121120.u335
EXPNO	10
PROCNO	1
Date_	20121120
Time	19.17
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	50.8
DW	80.800 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1299968 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

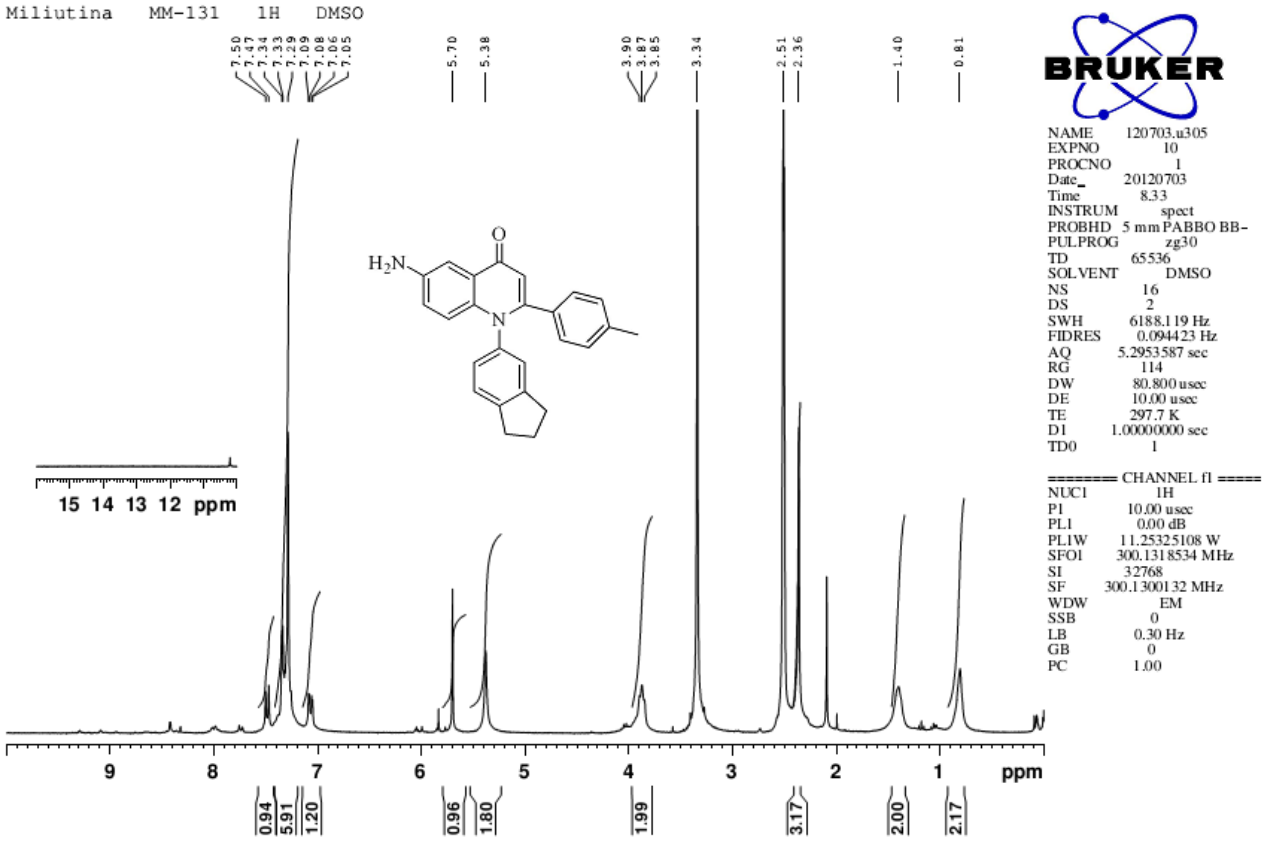
6-Amino-1-(3,5-dimethylphenyl)-2-*p*-tolylquinolin-4(1*H*)-one (8aml).



BRUKER

NAME	121122.211
EXPNO	10
PROCNO	1
Date_	20121122
Time	23.16
INSTRUM	spect
PROBHD	5 mm QNP 1H/13
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	10.20 usec
PL1	0.00 dB
SFO1	62.9015280 MHz
======== CHANNEL f2 ======	
CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL12	14.00 dB
PL13	14.00 dB
PL2	-3.00 dB
SFO2	250.1310005 MHz
SI	32768
SF	62.8952692 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

6-Amino-1-(2,3-dihydro-1*H*-inden-5-yl)-2-*p*-tolylquinolin-4(1*H*)-one (8an~~m~~).



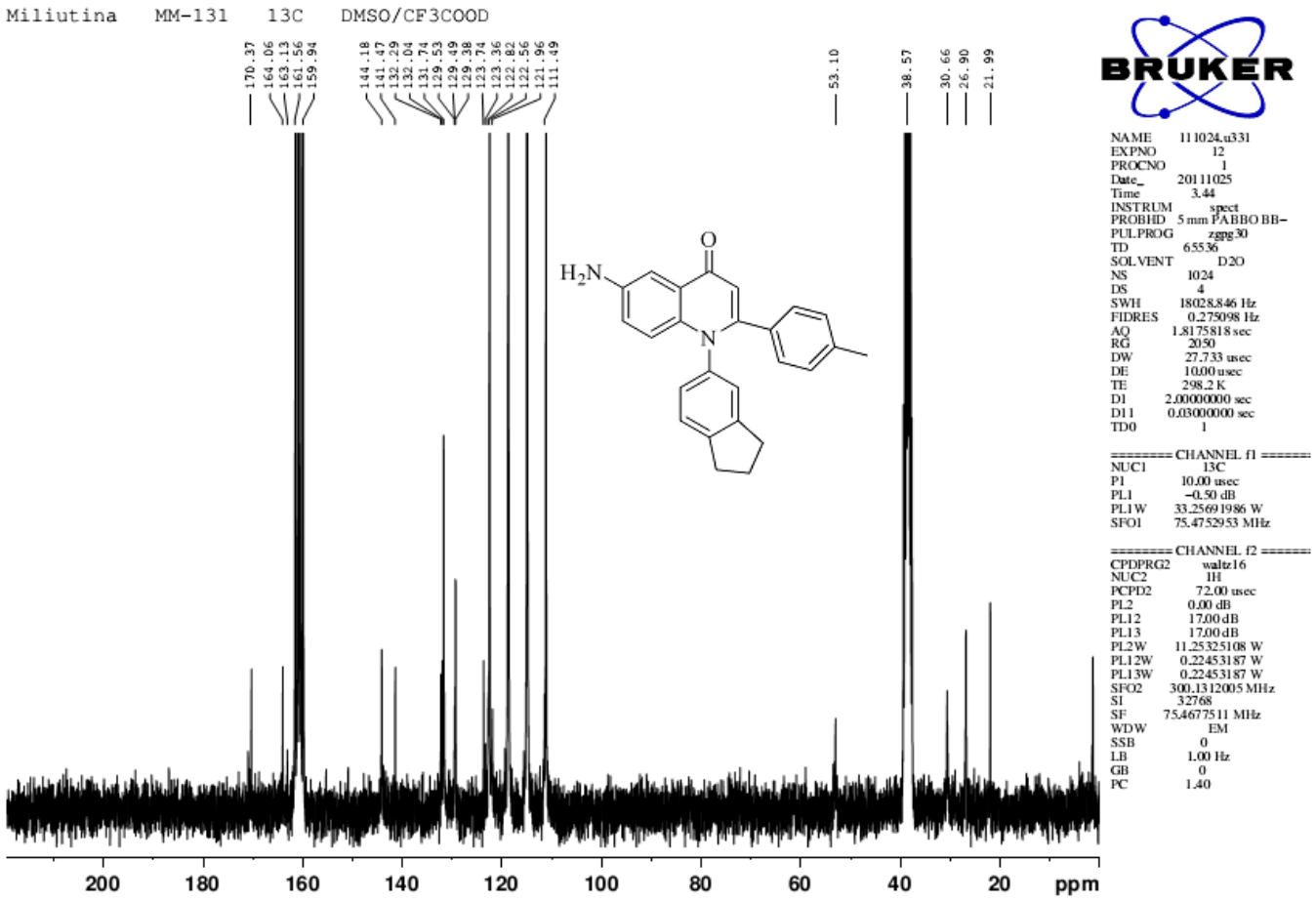
BRUKER

NAME	120703.u305
EXPNO	10
PROCNO	1
Date_	20120703
Time	8.33
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 usec
DE	10.00 usec
TE	297.7 K
D1	1.00000000 sec
TD0	1

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

NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300132 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

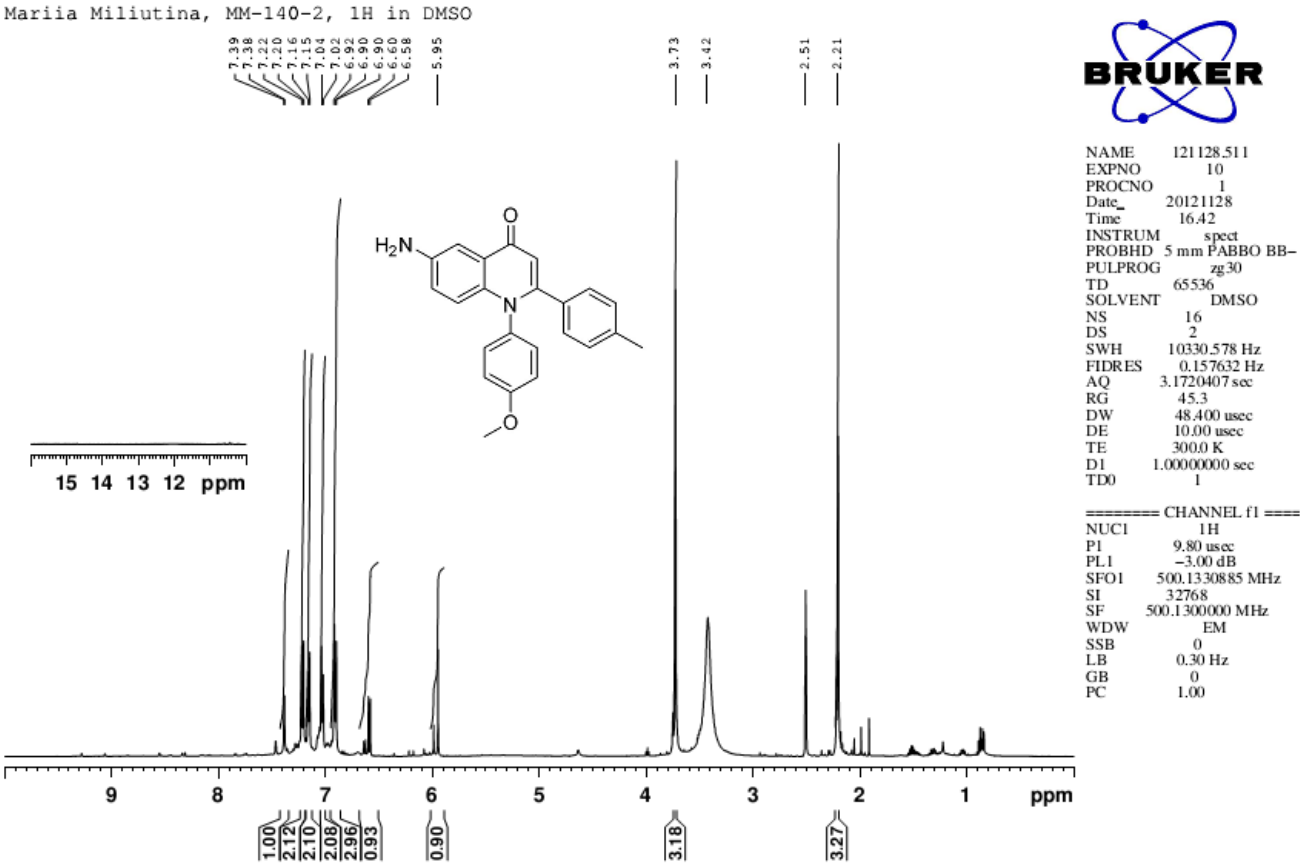
6-Amino-1-(2,3-dihydro-1*H*-inden-5-yl)-2-*p*-tolylquinolin-4(1*H*)-one (8anm).



BRUKER

NAME	111024.u331
EXPNO	12
PROCNO	1
Date_	20111025
Time	3.44
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	D2O
NS	1024
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 =======	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 =======	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677511 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

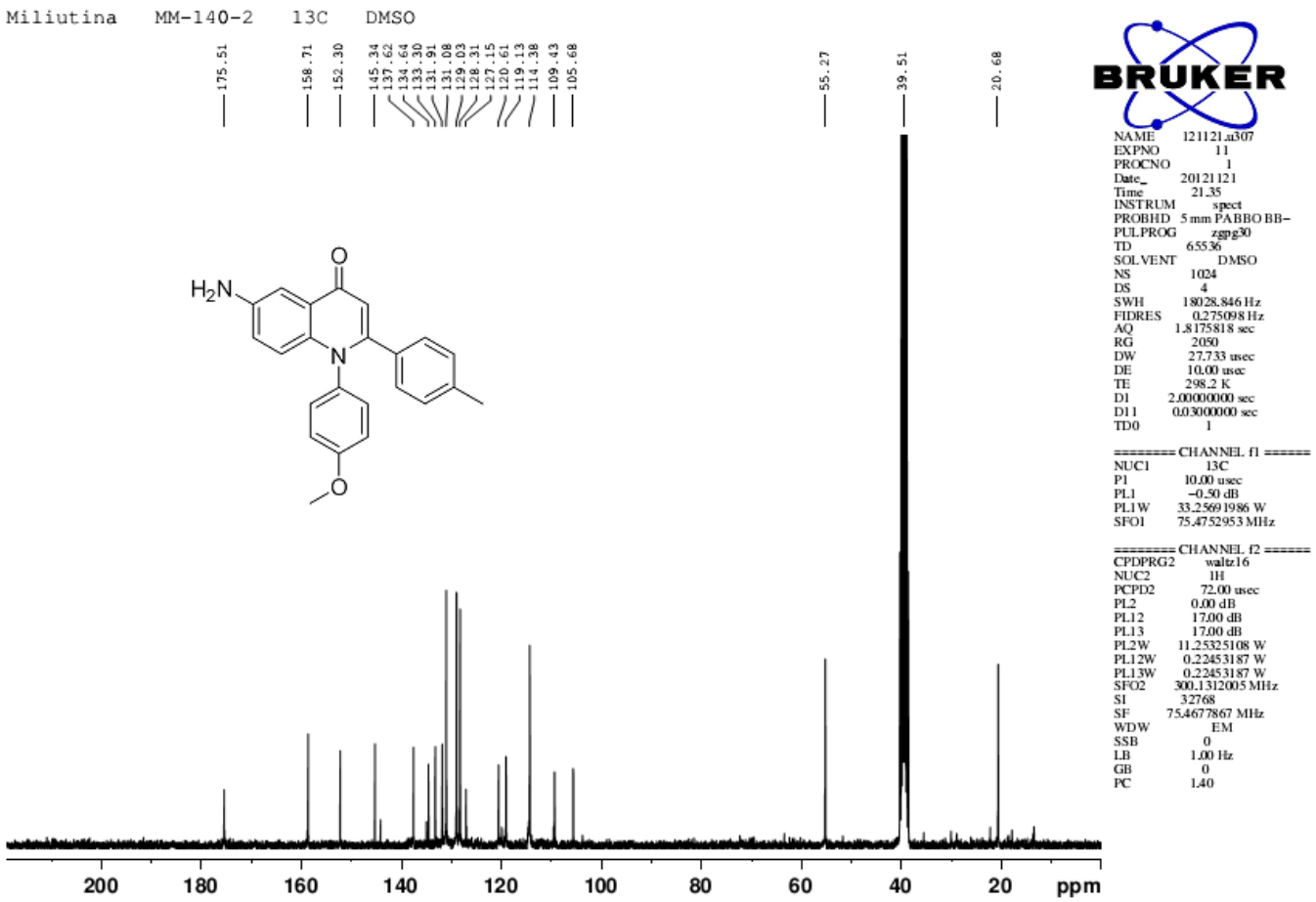
6-Amino-1-(4-methoxyphenyl)-2-*p*-tolylquinolin-4(1*H*)-one (8ap~~п~~).



BRUKER

NAME	121128.511
EXPNO	10
PROCNO	1
Date_	20121128
Time	16.42
INSTRUM	spect
PROBHD	5 mm PABBO BB–
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	10330.578 Hz
FIDRES	0.157632 Hz
AQ	3.1720407 sec
RG	45.3
DW	48.400 usec
DE	10.00 usec
TE	300.0 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 ====	
NUC1	1H
P1	9.80 usec
PL1	–3.00 dB
SFO1	500.1330885 MHz
SI	32768
SF	500.1300000 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

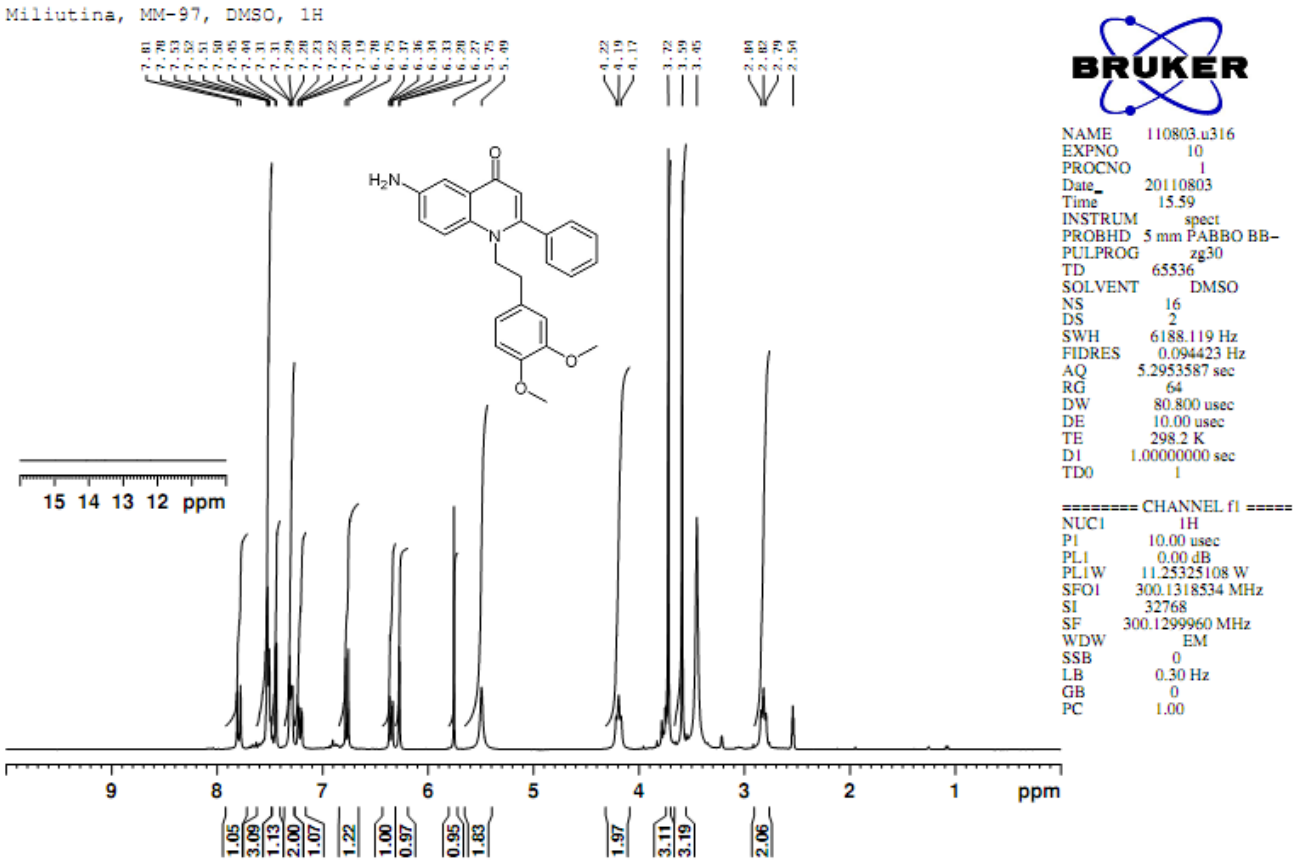
6-Amino-1-(4-methoxyphenyl)-2-*p*-tolylquinolin-4(1*H*)-one (8apn).



BRUKER

NAME	121121.u307
EXPNO	11
PROCNO	1
Date_	20121121
Time	21.35
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	1024
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 ======	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677867 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

6-Amino-1-(3,4-dimethoxyphenethyl)-2-phenylquinolin-4(1*H*)-one (8baө).

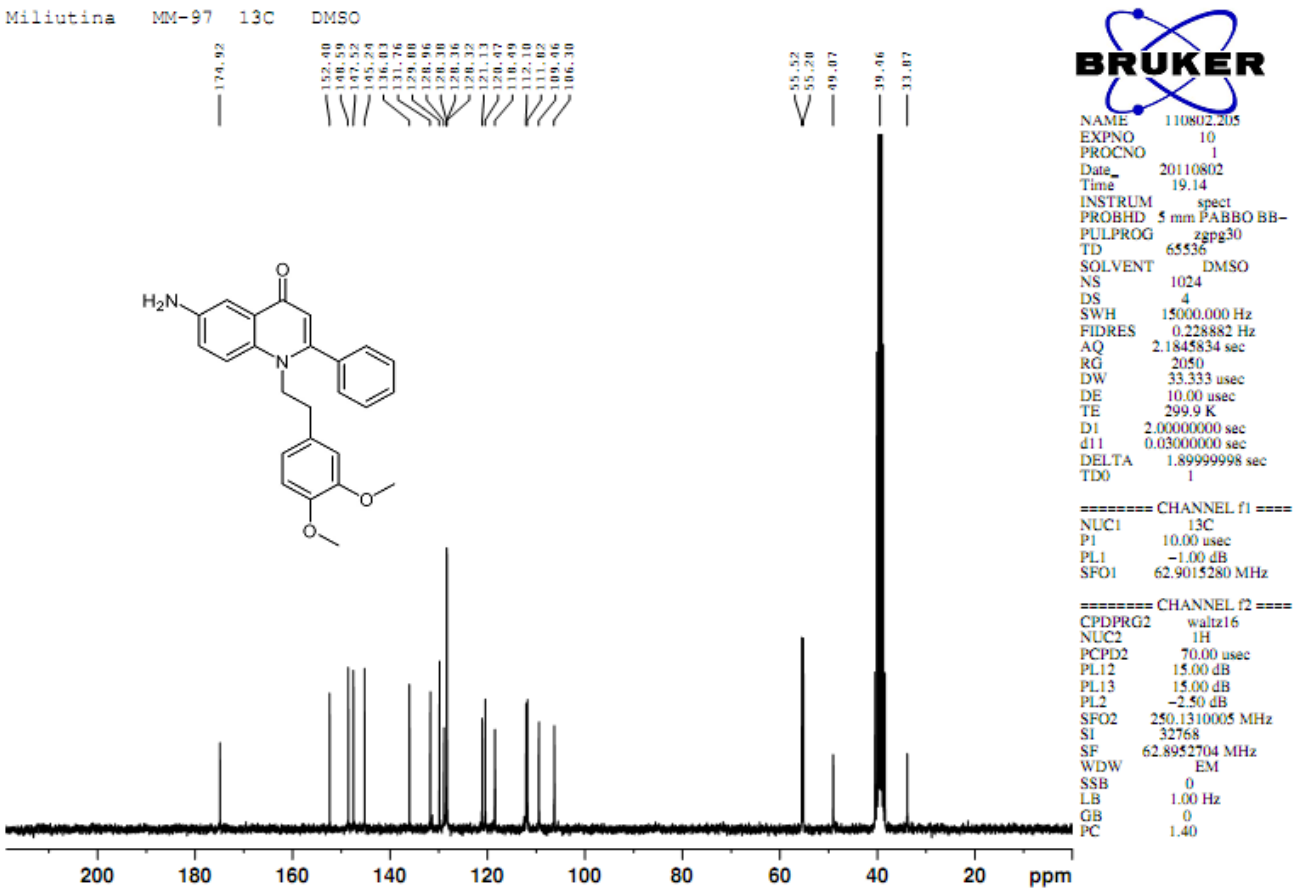


BRUKER

NAME 110803.u316
EXPNO 10
PROCNO 1
Date_ 20110803
Time 15.59
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 64
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299960 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

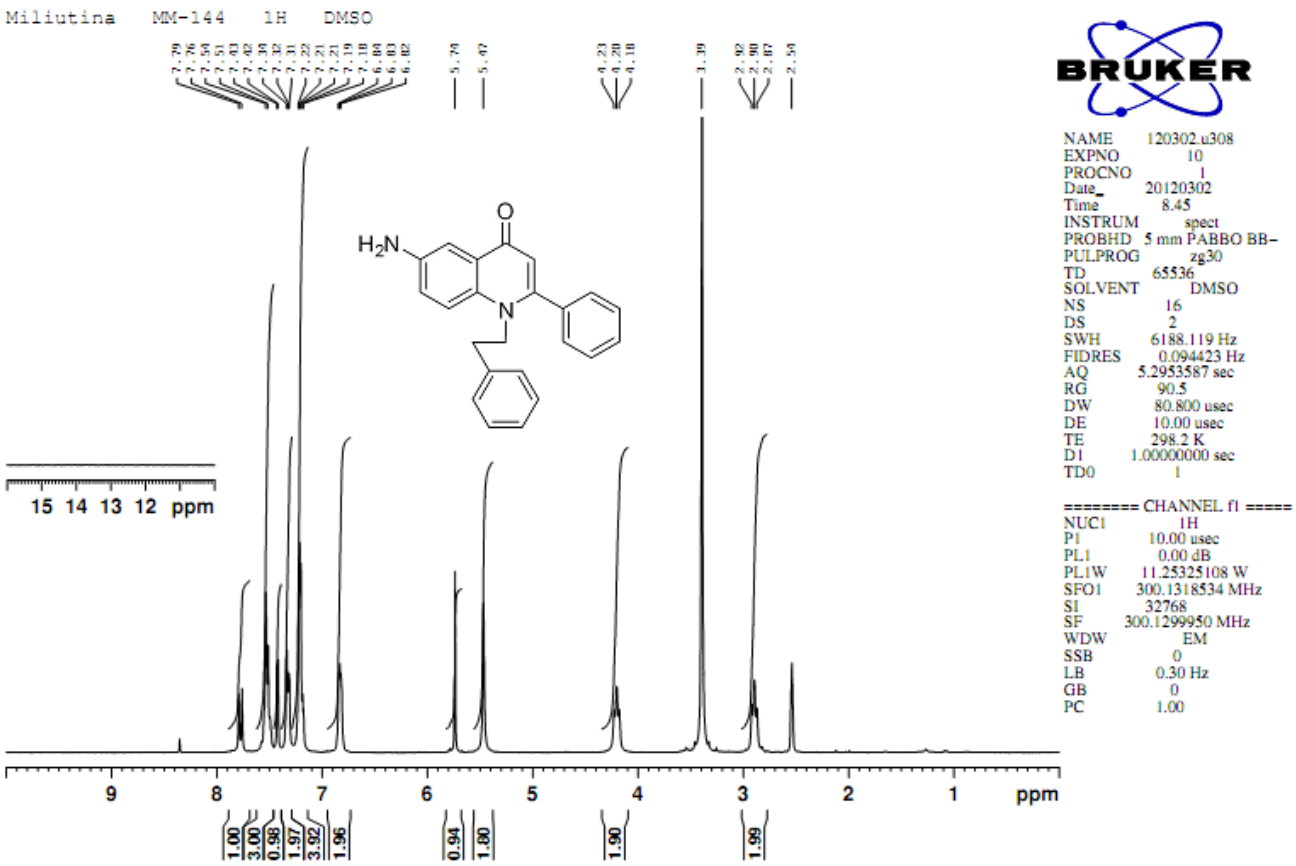
6-Amino-1-(3,4-dimethoxyphenethyl)-2-phenylquinolin-4(1*H*)-one (8baө).



BRUKER

NAME	110802.205
EXPNO	10
PROCNO	1
Date_	20110802
Time	19.14
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	299.9 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

6-Amino-1-phenethyl-2-phenylquinolin-4(1*H*)-one (8bcp).

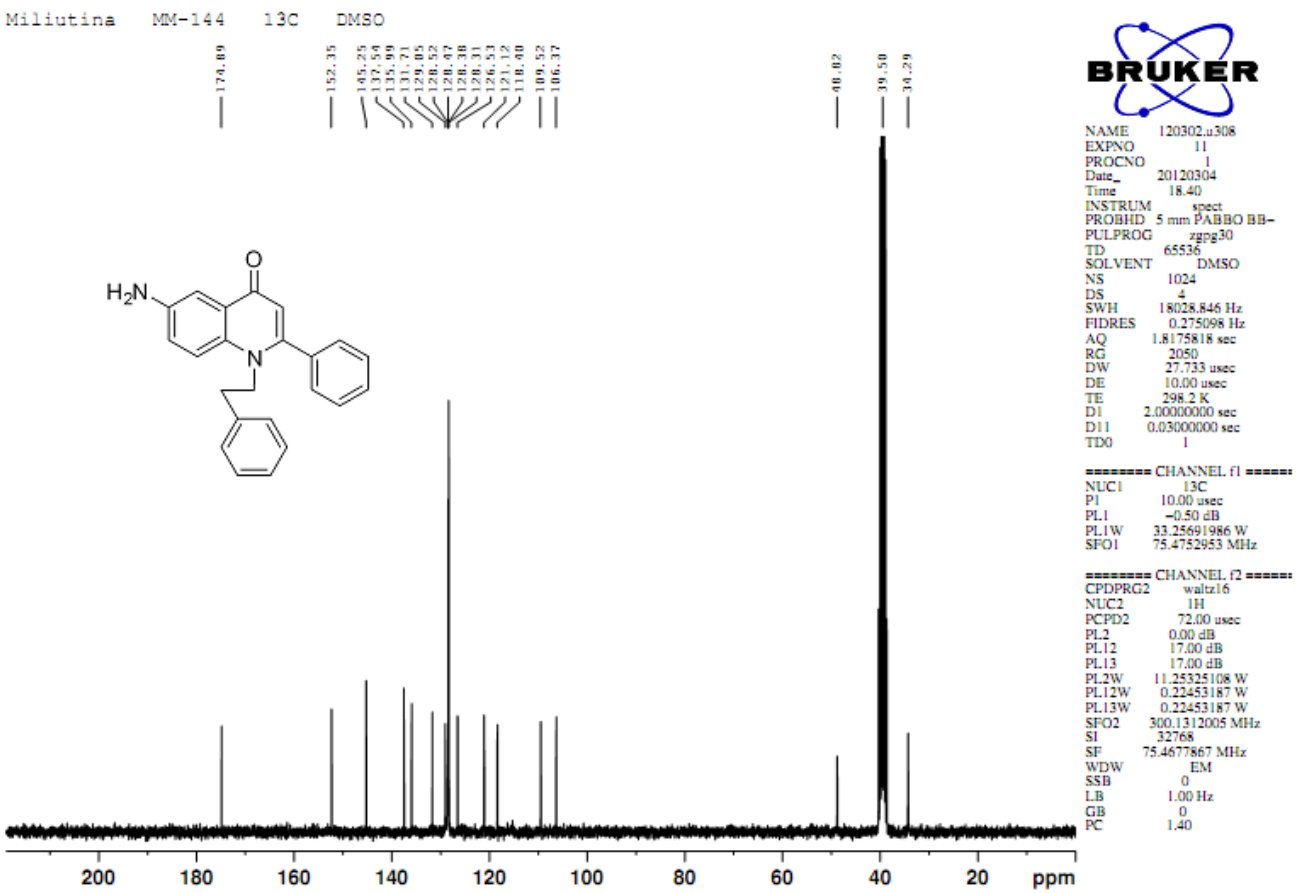


BRUKER

NAME 120302.u308
EXPNO 10
PROCNO 1
Date_ 20120302
Time 8.45
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 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299950 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

6-Amino-1-phenethyl-2-phenylquinolin-4(1*H*)-one (8bcp).



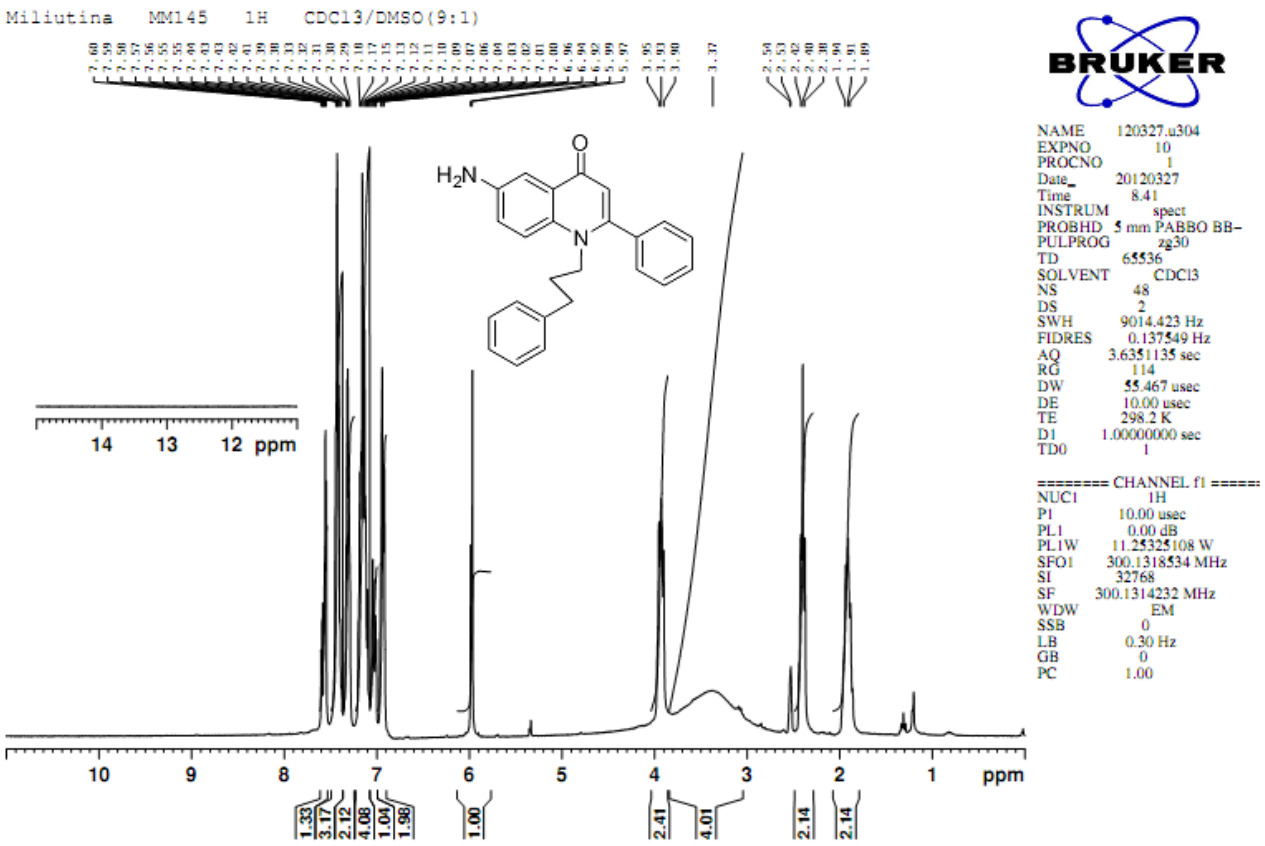
BRUKER

NAME 120302.u308
EXPNO 11
PROCNO 1
Date_ 20120304
Time 18.40
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 1024
DS 4
SWH 18028.846 Hz
FIDRES 0.275098 Hz
AQ 1.8175818 sec
RG 2050
DW 27.733 usec
DE 10.00 usec
TE 298.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ======
NUC1 13C
P1 10.00 usec
PL1 -0.50 dB
PL1W 33.25691986 W
SFO1 75.4752953 MHz

======== CHANNEL f2 ======
CPDPRG2 waltz16
NUC2 1H
PCPD2 72.00 usec
PL2 0.00 dB
PL12 17.00 dB
PL13 17.00 dB
PL2W 11.25325108 W
PL12W 0.22453187 W
PL13W 0.22453187 W
SFO2 300.1312005 MHz
SI 32768
SF 75.4677867 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

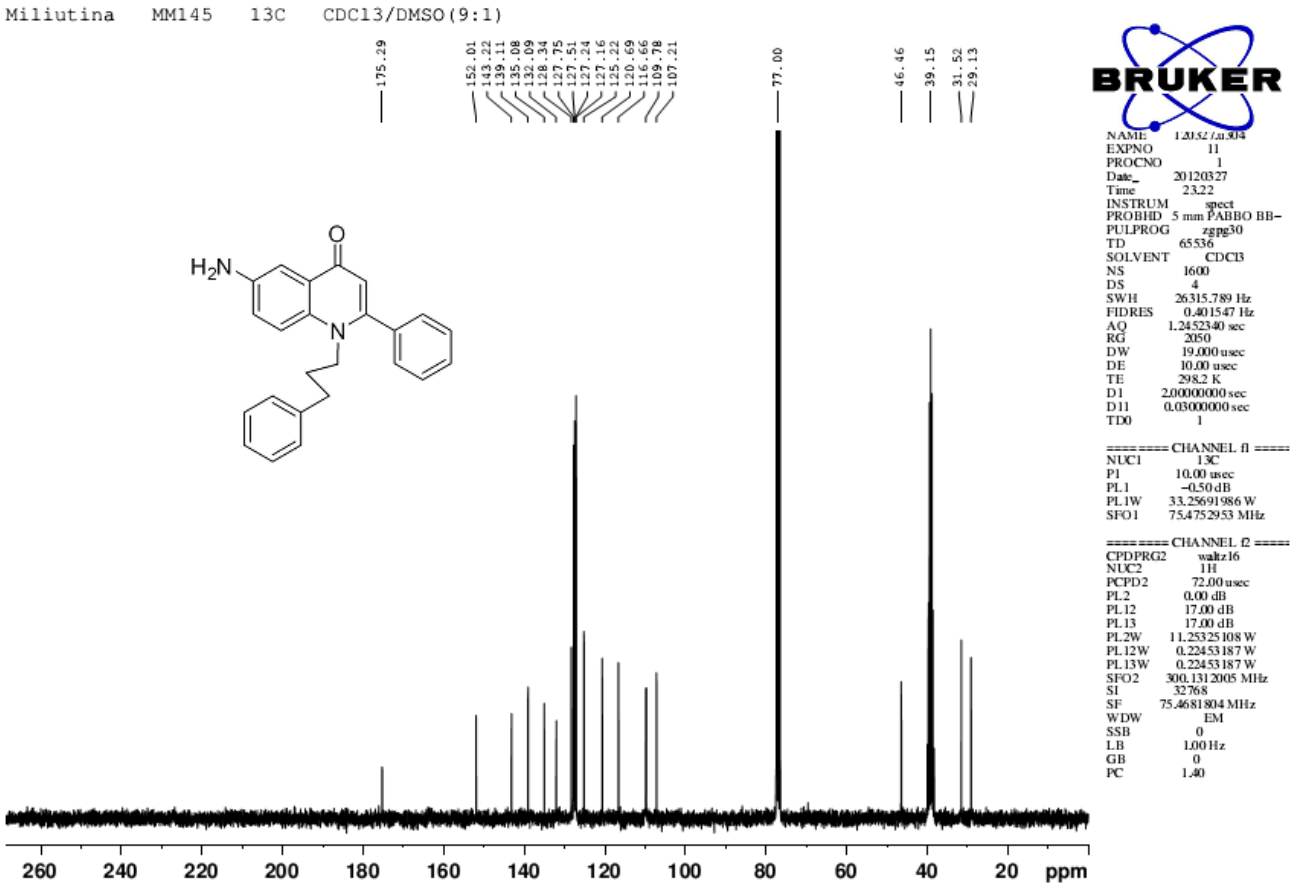
6-Amino-1-phenethyl-2-phenylquinolin-4(1*H*)-one (8bdę).



BRUKER

NAME	120327.u304
EXPNO	10
PROCNO	1
Date_	20120327
Time	8.41
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	48
DS	2
SWH	9014.423 Hz
FIDRES	0.137549 Hz
AQ	3.6351135 sec
RG	114
DW	55.467 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1314232 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

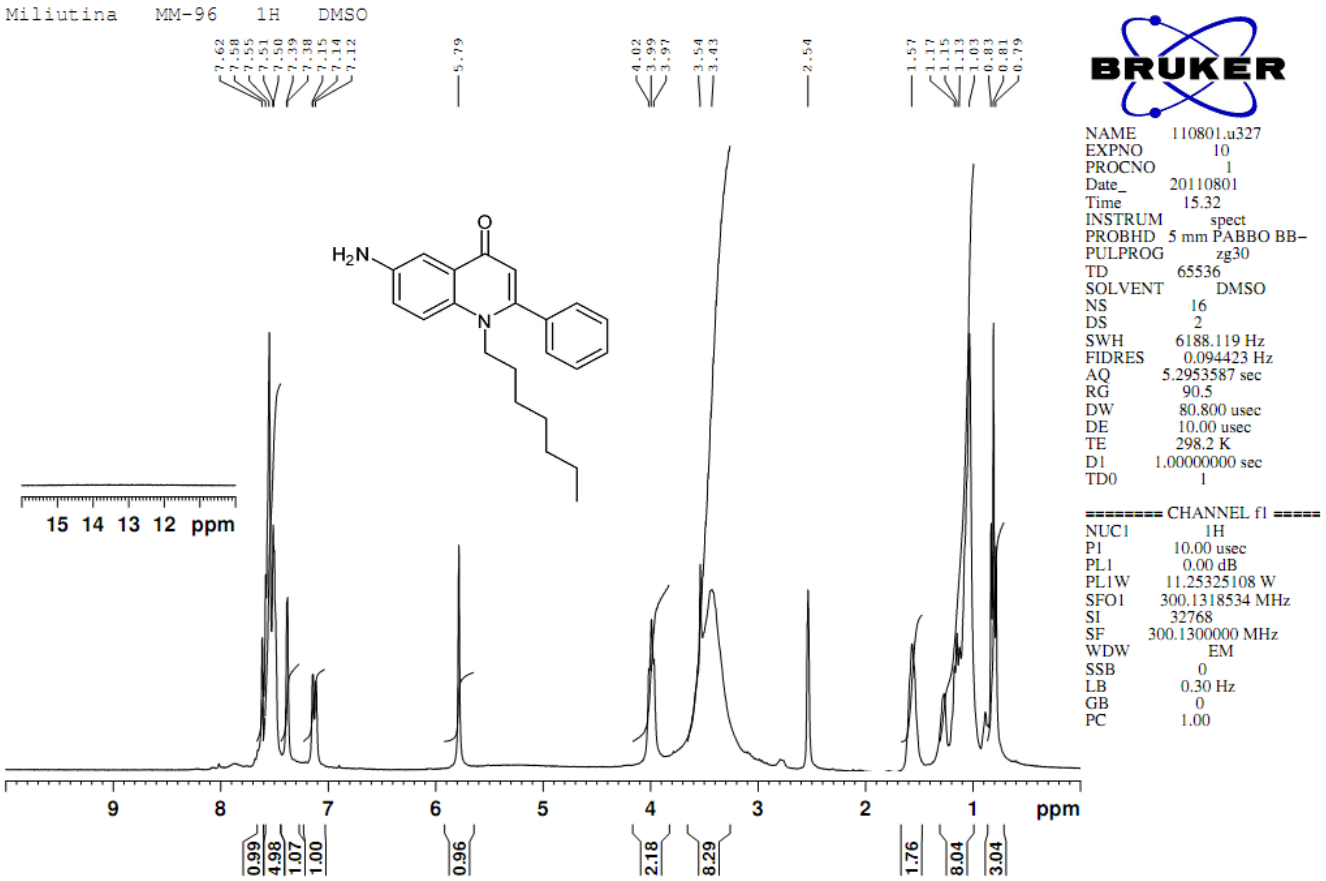
6-Amino-1-phenethyl-2-phenylquinolin-4(1*H*)-one (8bdę).



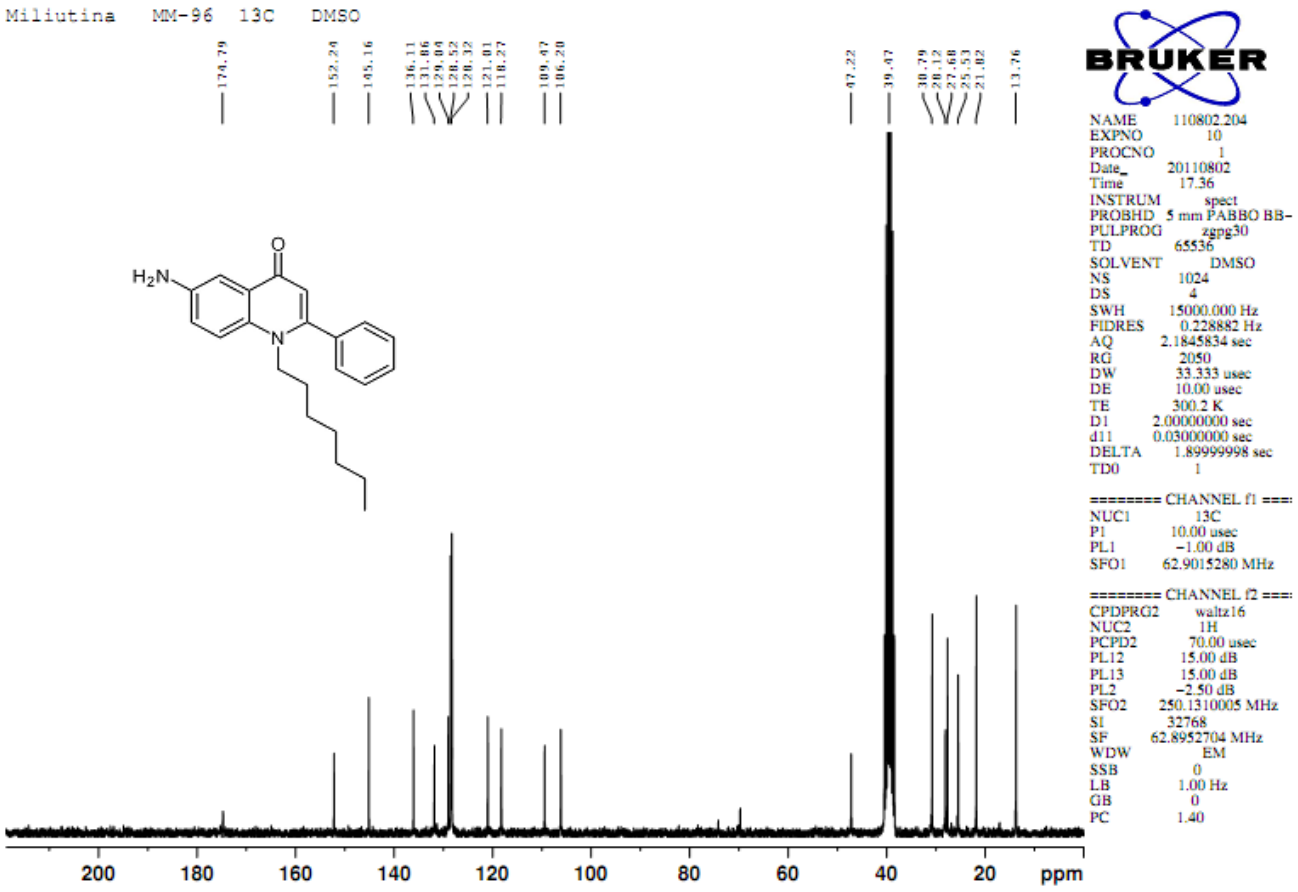
BRUKER

NAME	130.52 /u.304
EXPNO	11
PROCNO	1
Date_	20120327
Time	23.22
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	1600
DS	4
SWH	26315.789 Hz
FIDRES	0.401547 Hz
AQ	1.2452340 sec
RG	2050
DW	19.000 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
==== ==== CHANNEL f1 =====	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
==== ==== CHANNEL f2 =====	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4681804 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

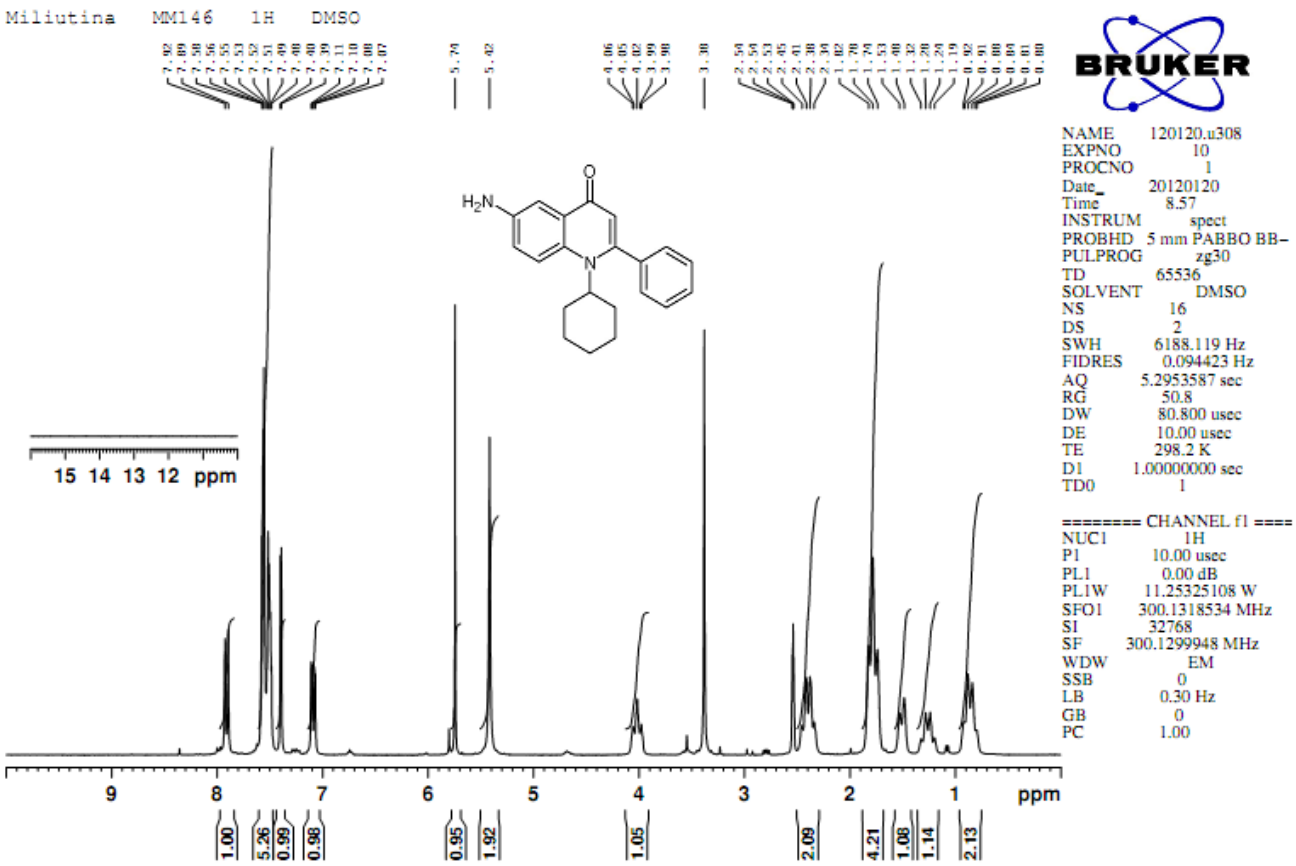
6-Amino-1-heptyl-2-phenylquinolin-4(1*H*)-one (8ber).



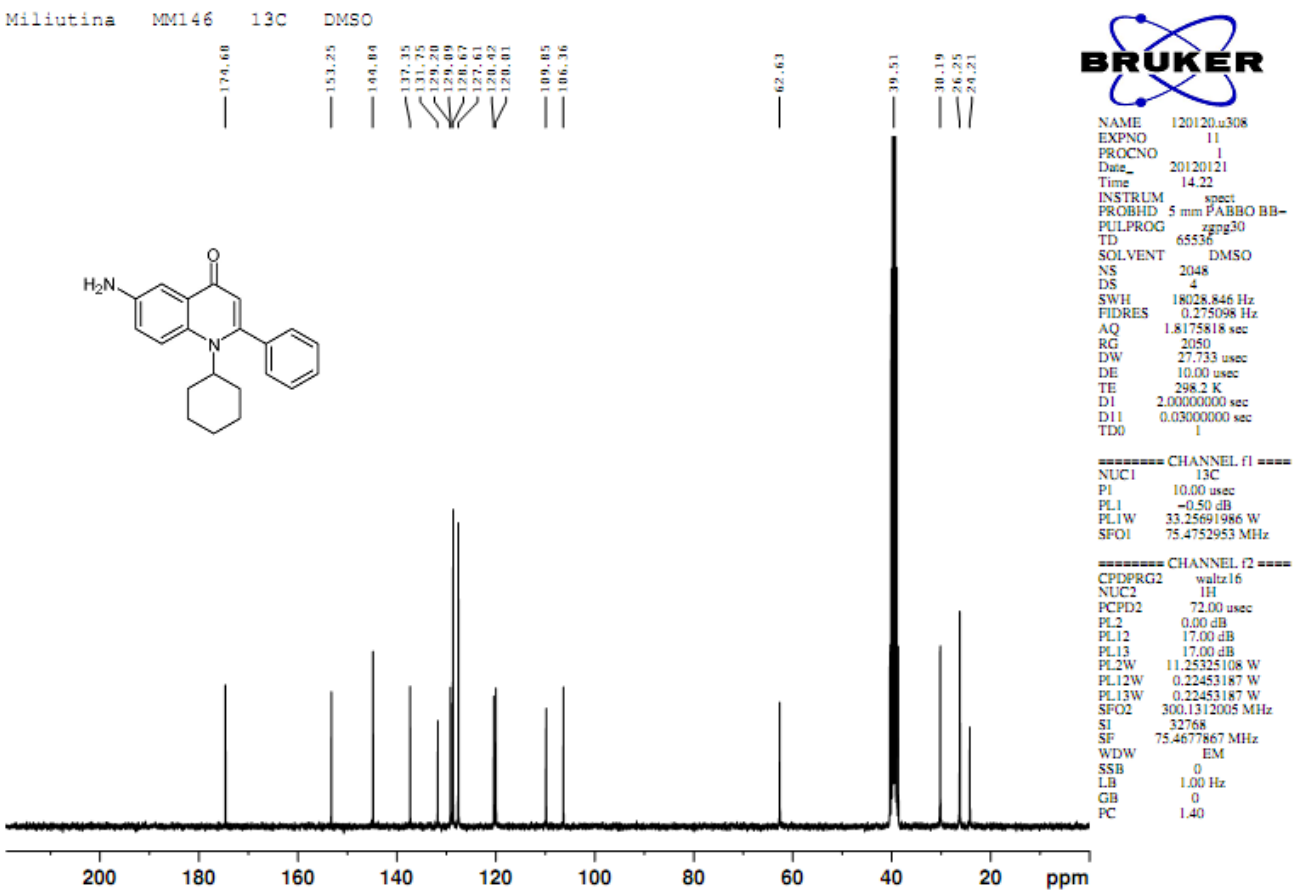
6-Amino-1-heptyl-2-phenylquinolin-4(1*H*)-one (8ber).



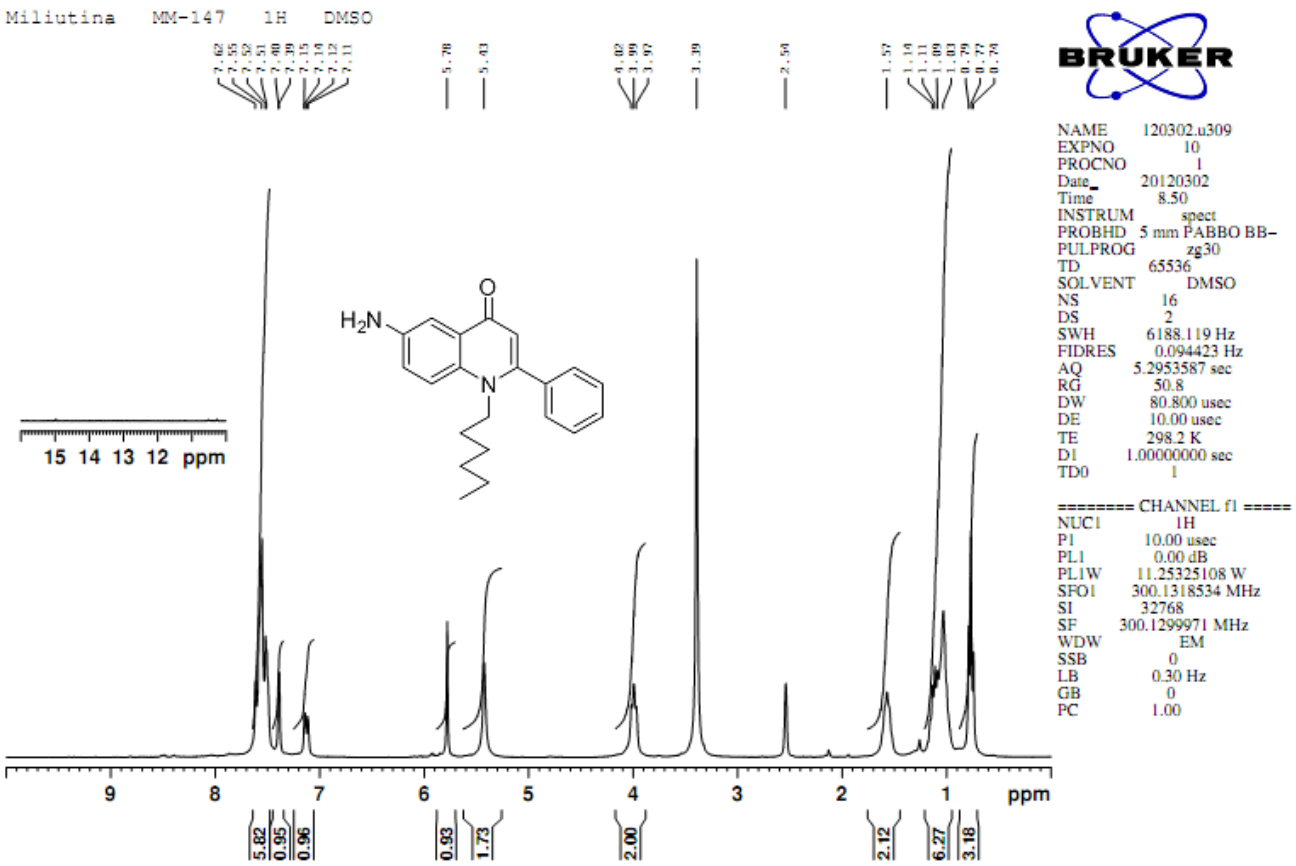
6-Amino-1-cyclohexyl-2-phenylquinolin-4(1*H*)-one (8bfs).



6-Amino-1-cyclohexyl-2-phenylquinolin-4(1*H*)-one (8bfs).



6-Amino-1-hexyl-2-phenylquinolin-4(1*H*)-one (8bgt).

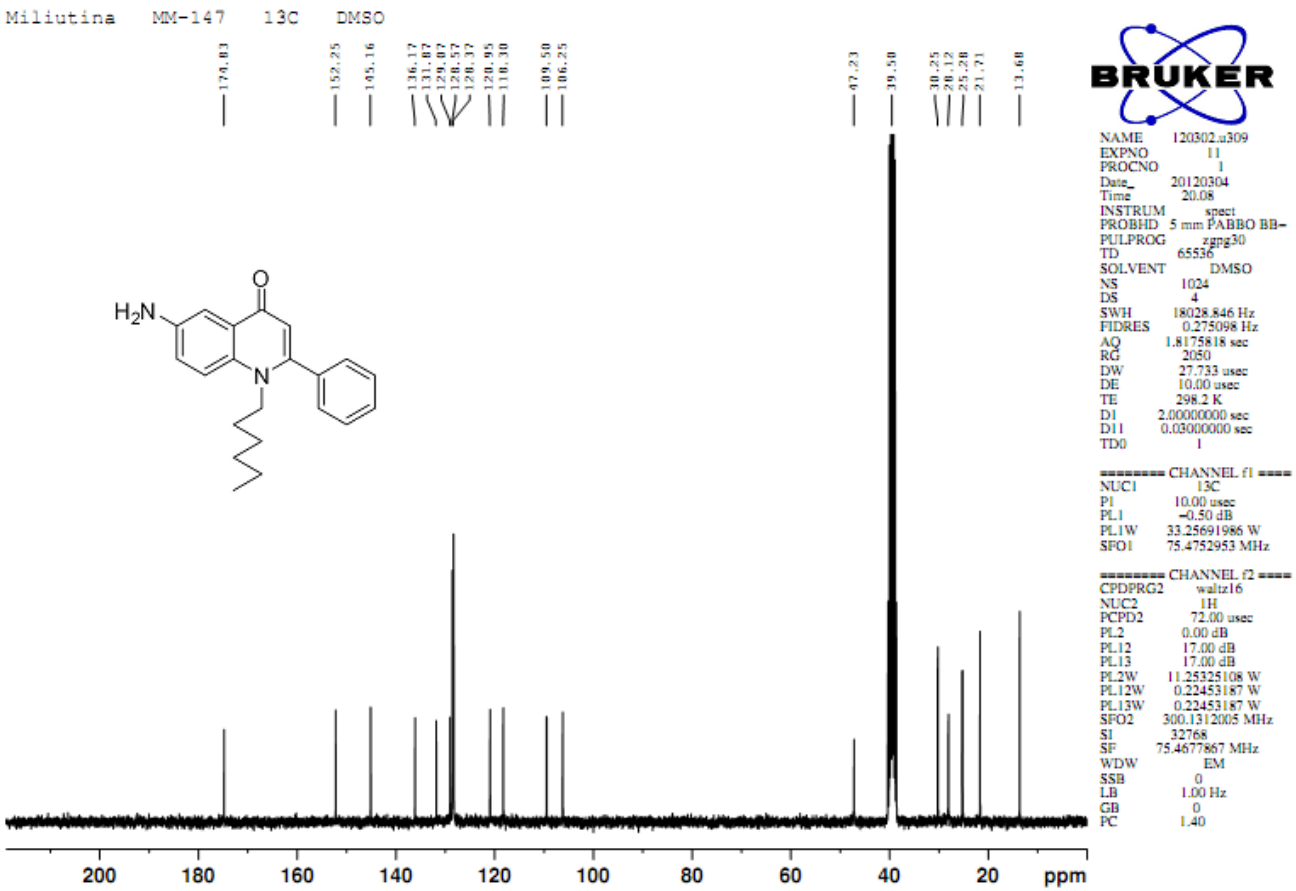


BRUKER

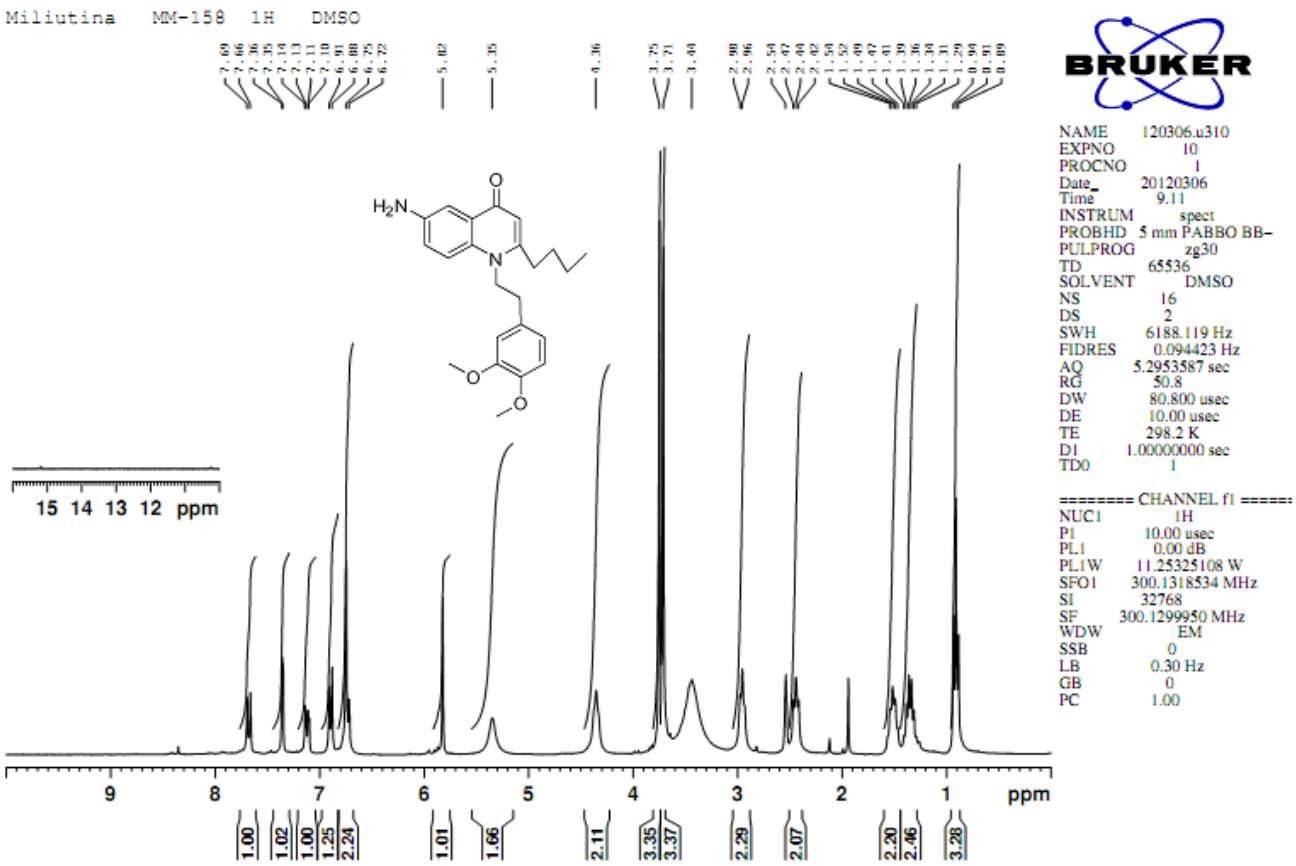
NAME 120302.u309
EXPNO 10
PROCNO 1
Date_ 20120302
Time 8.50
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 50.8
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299971 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

6-Amino-1-hexyl-2-phenylquinolin-4(1*H*)-one (8bgt).



6-Amino-2-butyl-1-(3,4-dimethoxyphenethyl)quinolin-4(1*H*)-one (8cан).

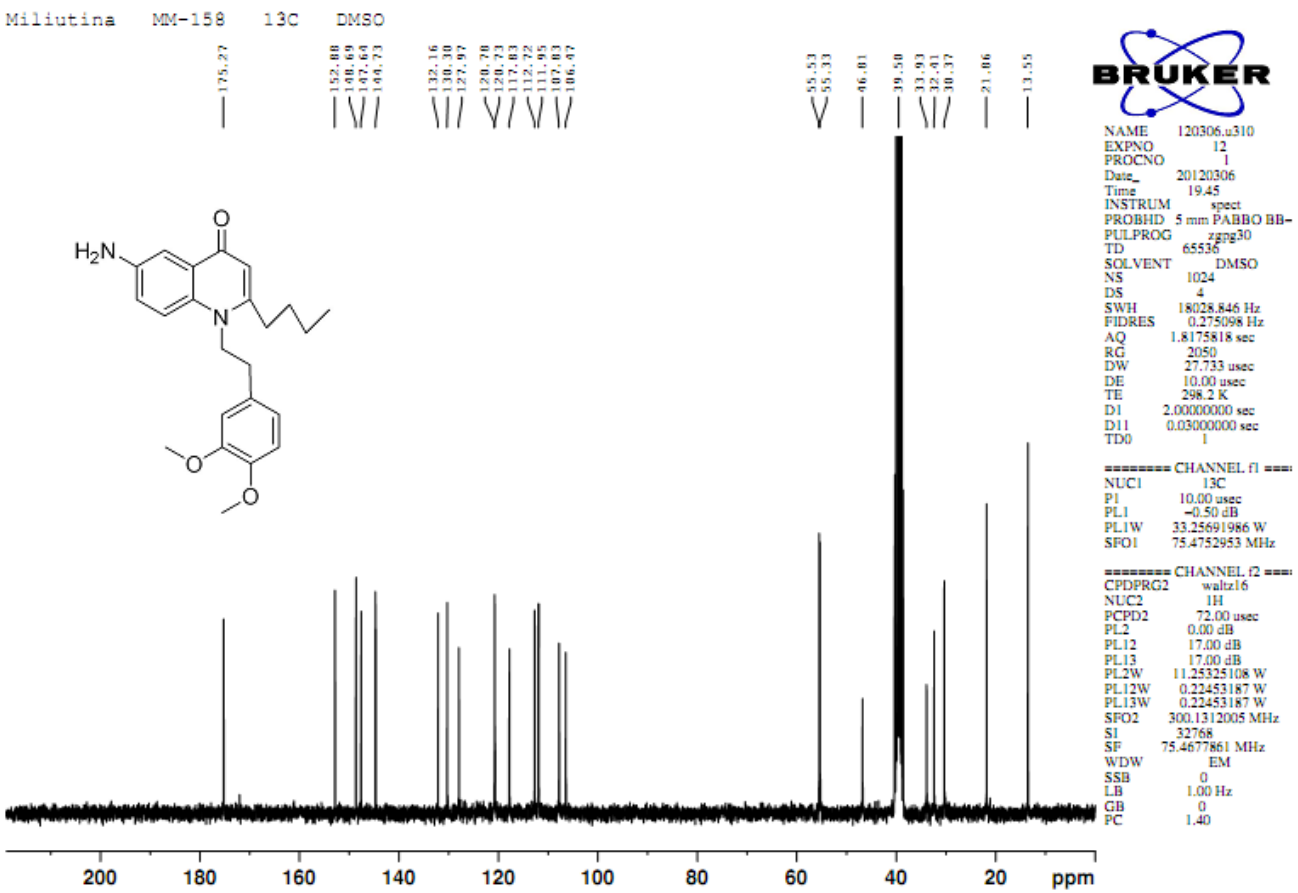


BRUKER

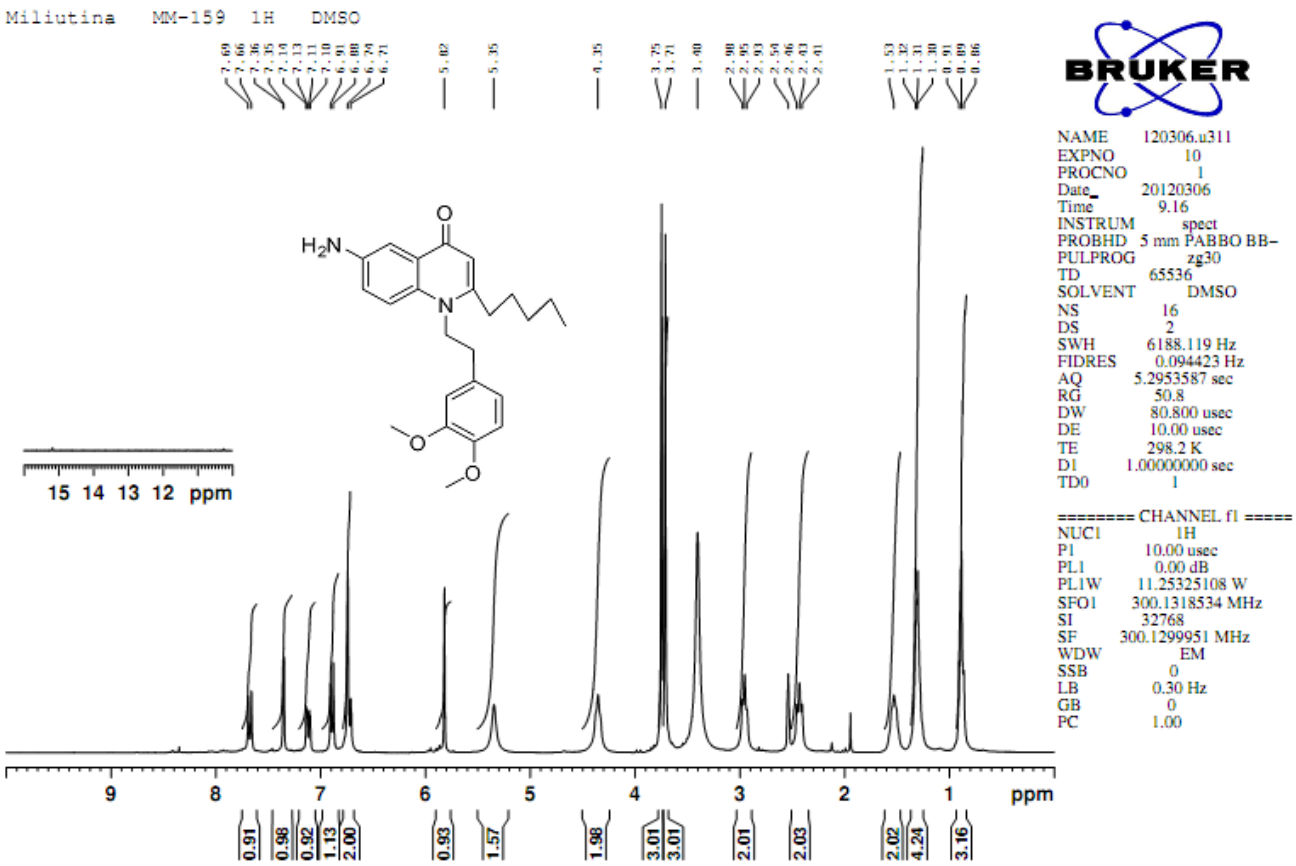
NAME 120306.u310
EXPNO 10
PROCNO 1
Date_ 20120306
Time 9.11
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 50.8
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ======
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299950 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

6-Amino-2-butyl-1-(3,4-dimethoxyphenethyl)quinolin-4(1*H*)-one (8cан).



6-Amino-1-(3,4-dimethoxyphenethyl)-2-pentylquinolin-4(1*H*)-one (8da~~v~~).

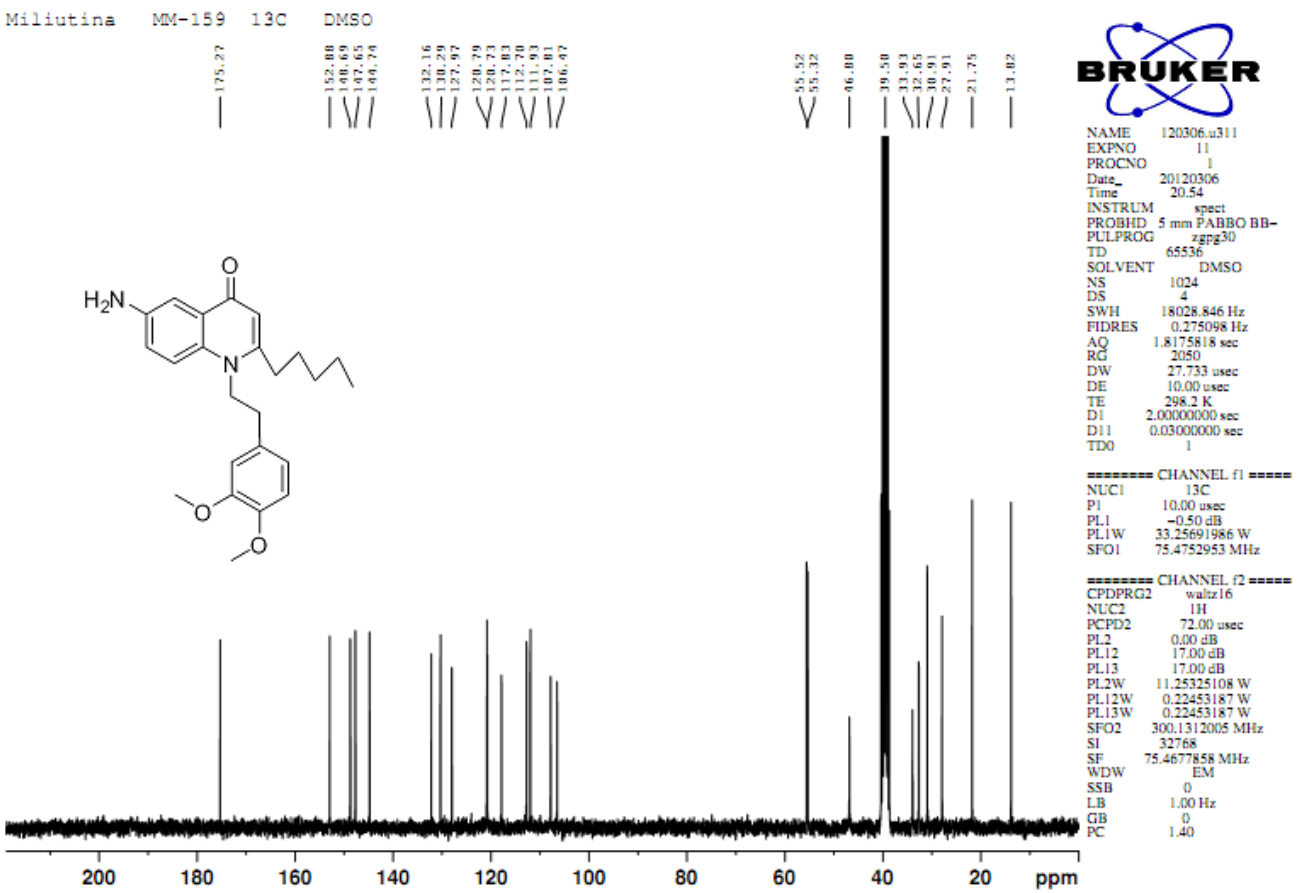


BRUKER

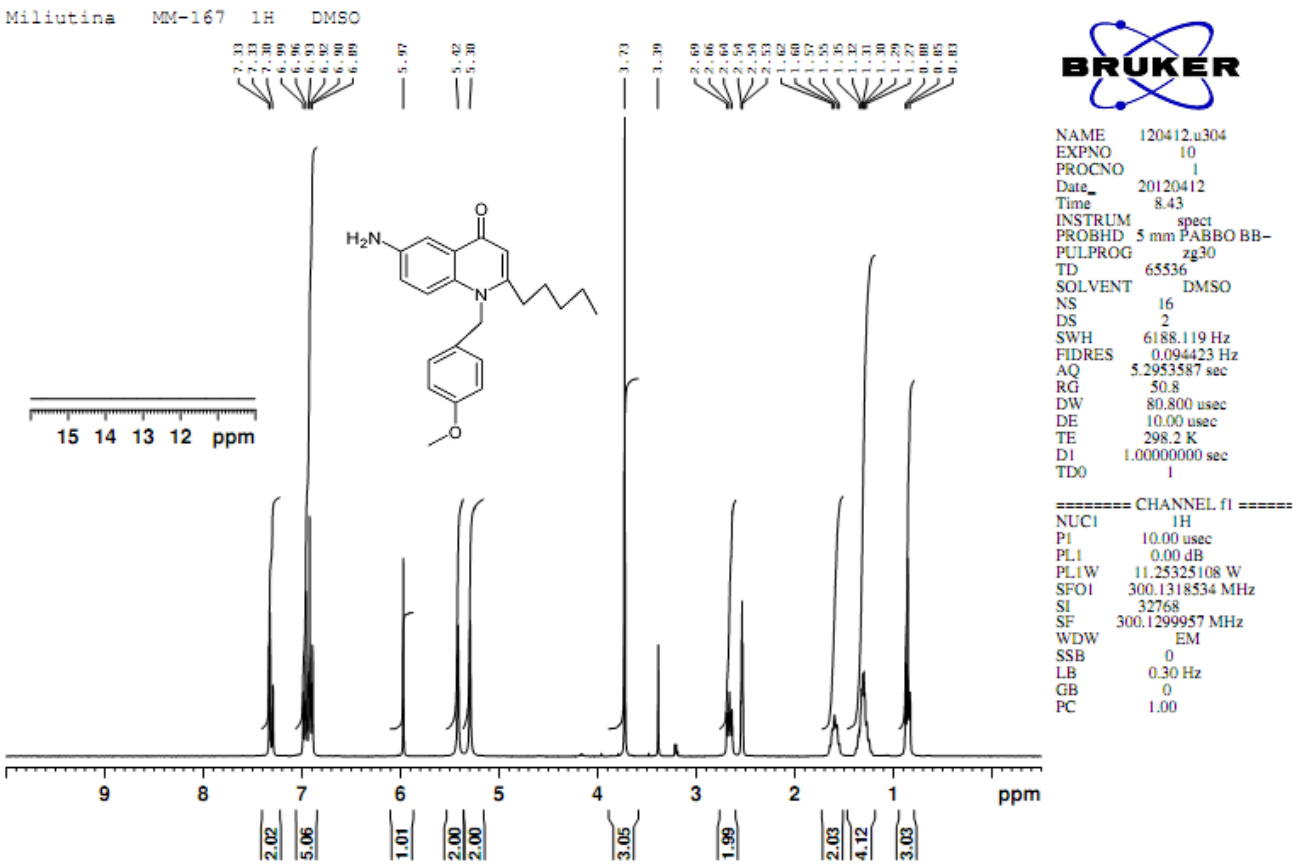
NAME 120306.u311
EXPNO 10
PROCNO 1
Date_ 20120306
Time 9.16
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 50.8
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299951 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

6-Amino-1-(3,4-dimethoxyphenethyl)-2-pentylquinolin-4(1*H*)-one (8da~~v~~).



6-Amino-1-(4-methoxybenzyl)-2-pentylquinolin-4(1*H*)-one (8~~w~~db).

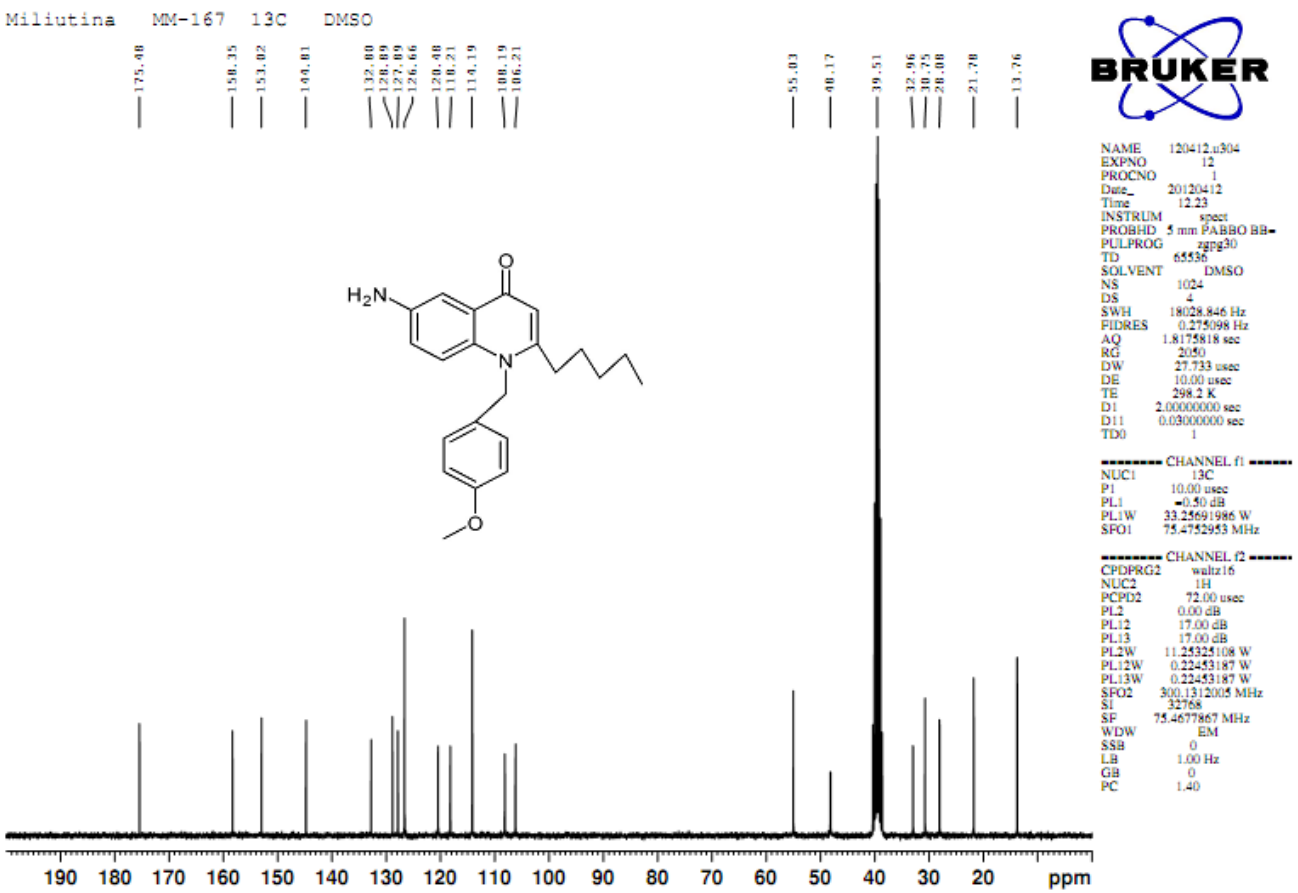


BRUKER

NAME 120412.u304
EXPNO 10
PROCNO 1
Date_ 20120412
Time 8.43
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 50.8
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ======
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299957 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

6-Amino-1-(4-methoxybenzyl)-2-pentylquinolin-4(1*H*)-one (8~~w~~db).

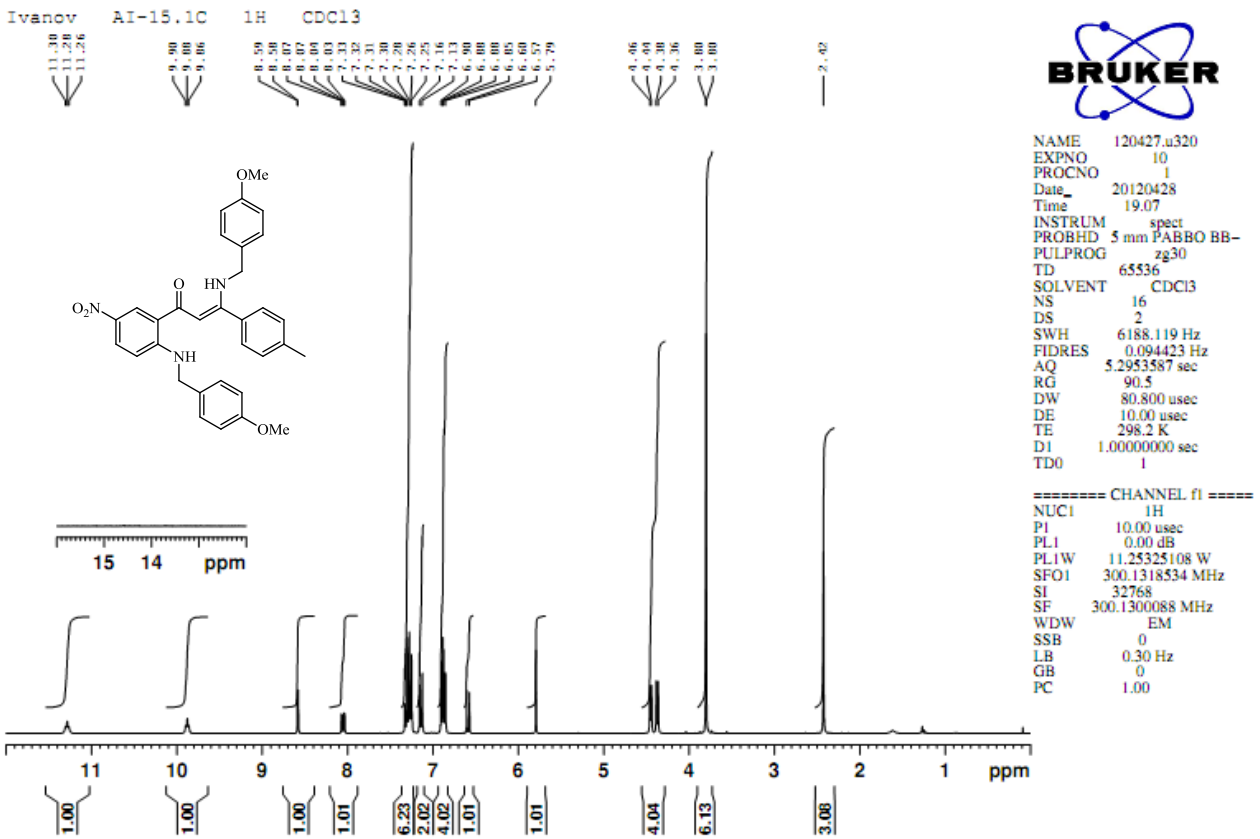


BRUKER

NAME	120412.u304
EXPNO	12
PROCNO	1
Date_	20120412
Time	12.23
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	1024
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 ======	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677867 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

Formatiert: Englisch (USA)

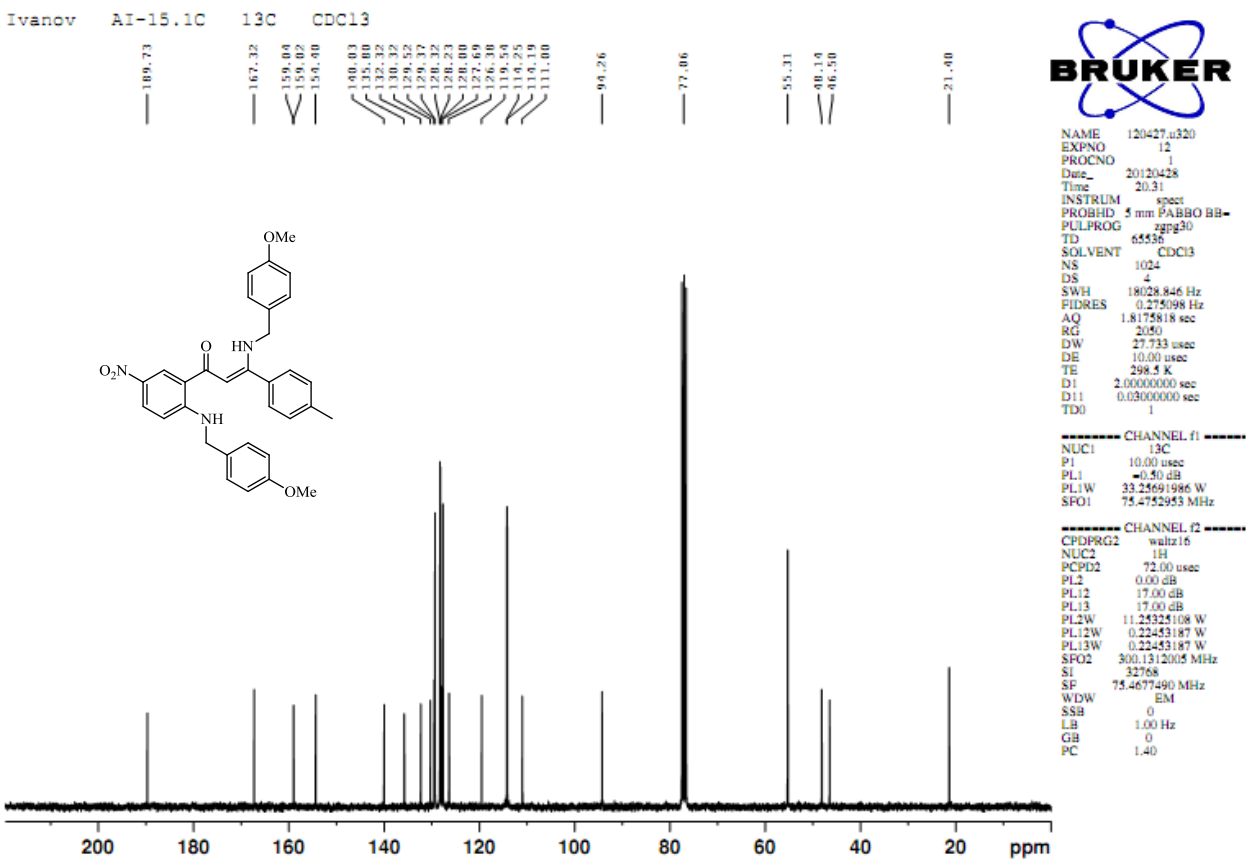
(*Z*)-3-(4-Methoxybenzylamino)-1-(2-(4-methoxybenzylamino)-5-nitrophenyl)-3-*p*-tolylprop-2-en-1-one (9a).



BRUKER

NAME	120427.u320
EXPNO	10
PROCNO	1
Date_	20120428
Time	19.07
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	90.5
DW	80.800 usec
DE	10.00 usec
TE	298.2 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 =====	
NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1300088 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

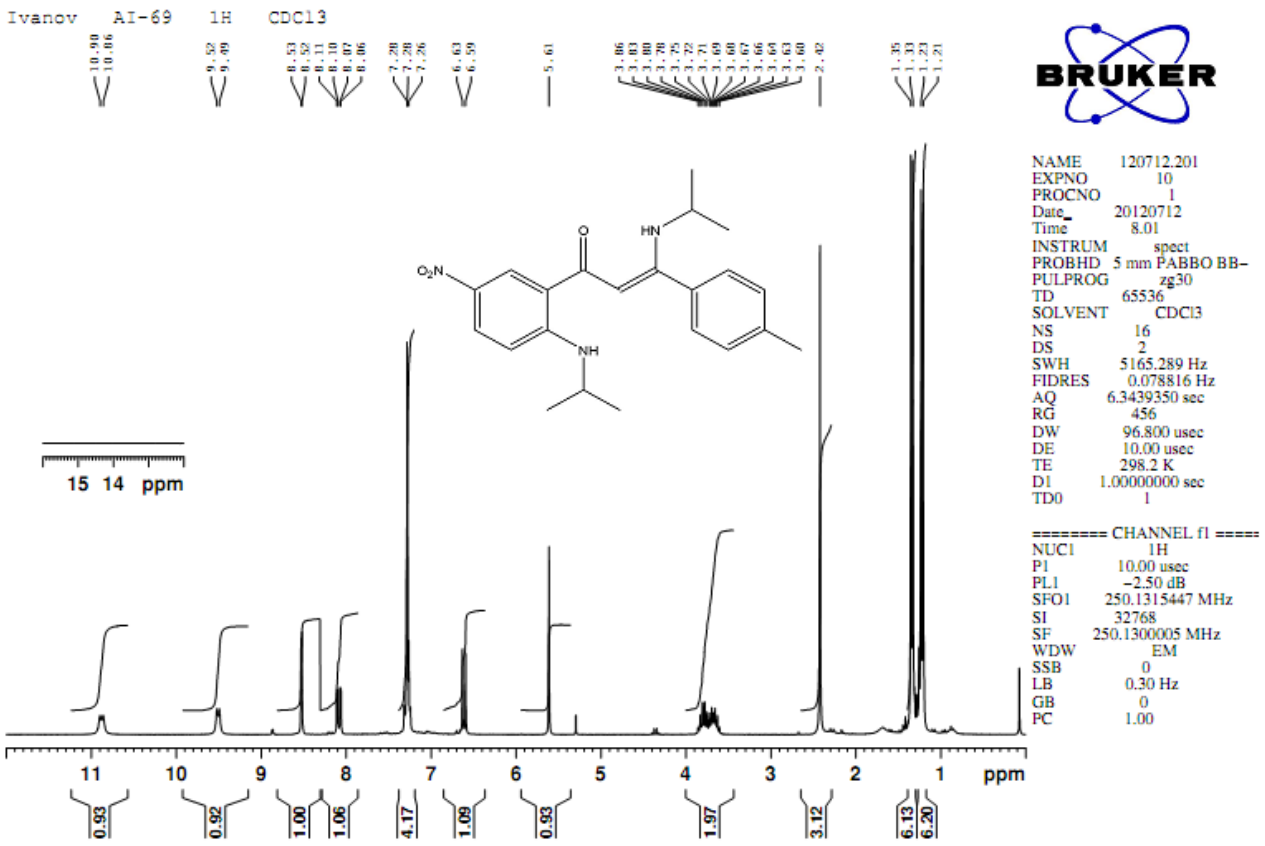
(*Z*)-3-(4-Methoxybenzylamino)-1-(2-(4-methoxybenzylamino)-5-nitrophenyl)-3-*p*-tolylprop-2-en-1-one (9a).



BRUKER

NAME	120427.u320
EXPNO	12
PROCNO	1
Date_	20120428
Time	20.31
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	1024
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.5 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 ======	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677490 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

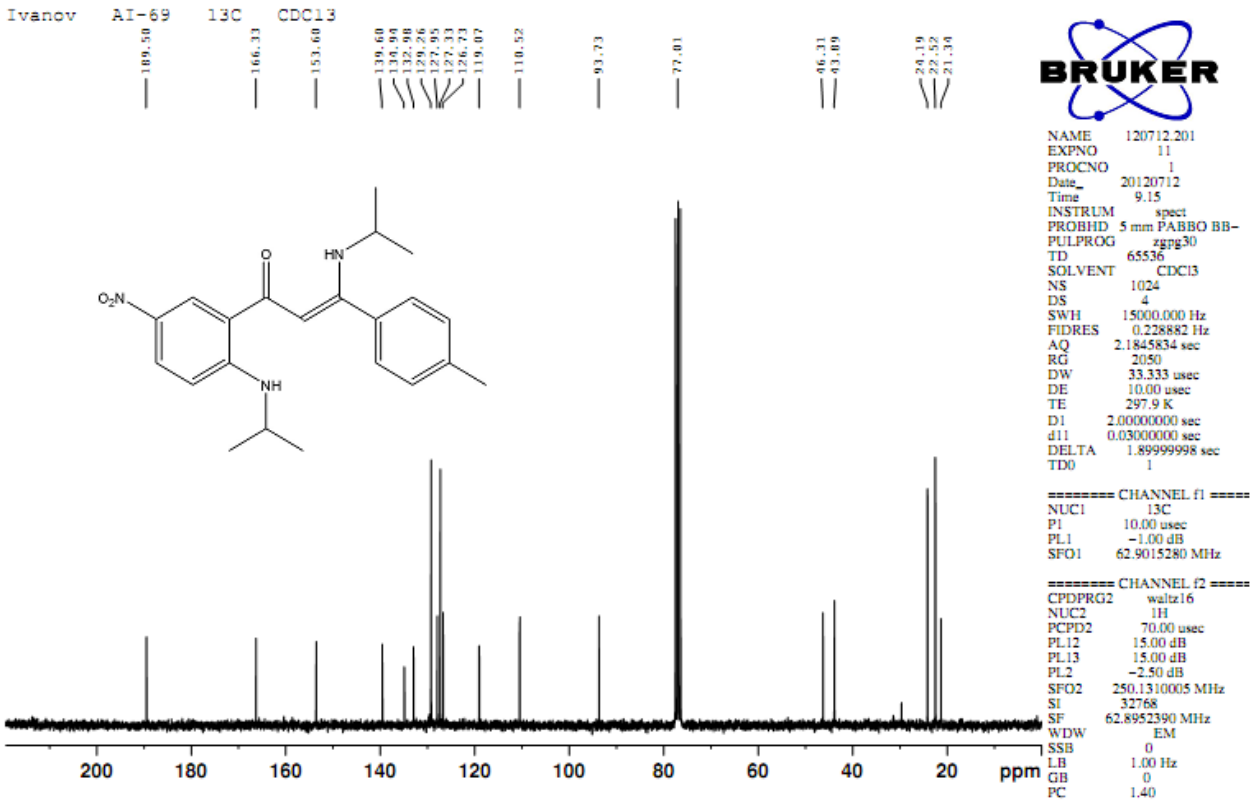
(*Z*)-3-(Isopropylamino)-1-(2-(isopropylamino)-5-nitrophenyl)-3-*p*-tolylprop-2-en-1-one (9b).



NAME 120712.201
EXPNO 10
PROCNO 1
Date_ 20120712
Time 8.01
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 5165.289 Hz
FIDRES 0.078816 Hz
AQ 6.3439350 sec
RG 456
DW 96.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 -2.50 dB
SFO1 250.1315447 MHz
SI 32768
SF 250.1300005 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

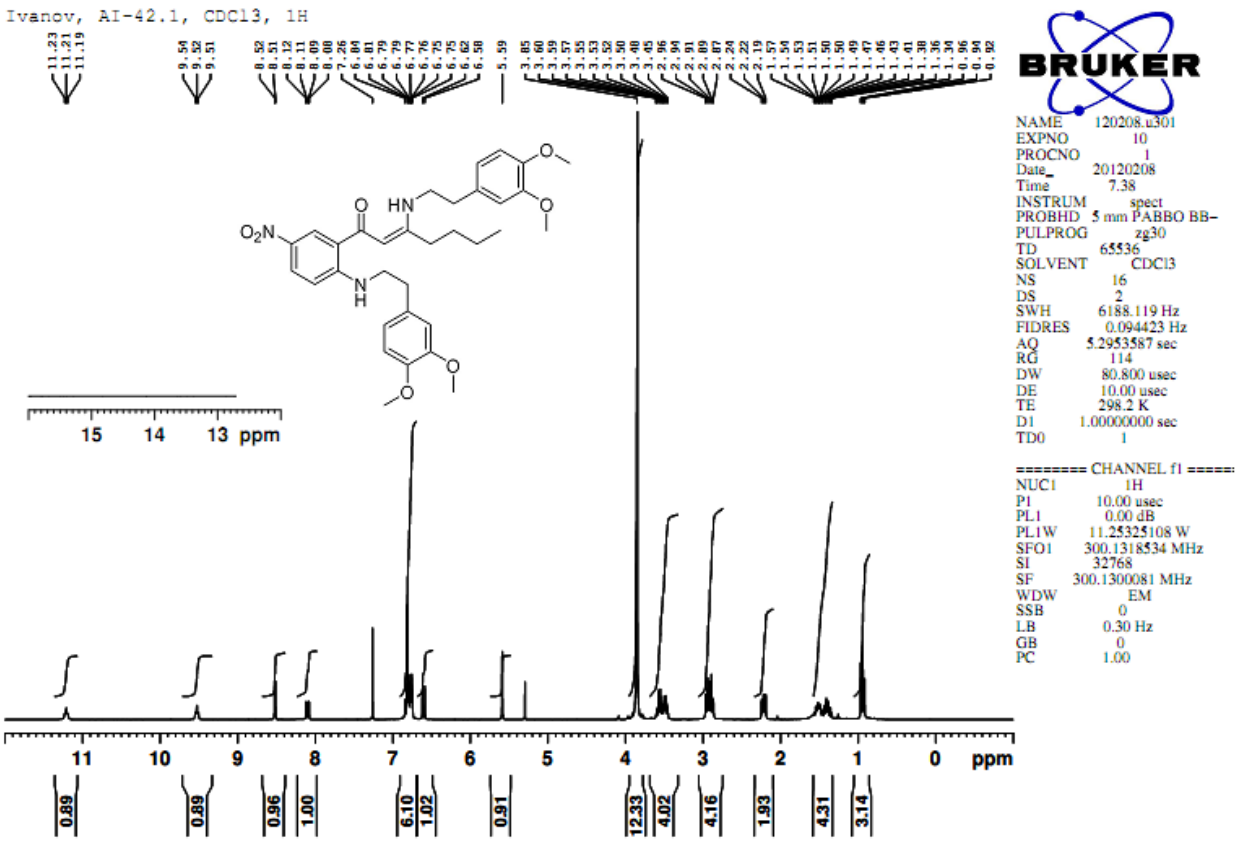
(*Z*)-3-(Isopropylamino)-1-(2-(isopropylamino)-5-nitrophenyl)-3-*p*-tolylprop-2-en-1-one (9b).



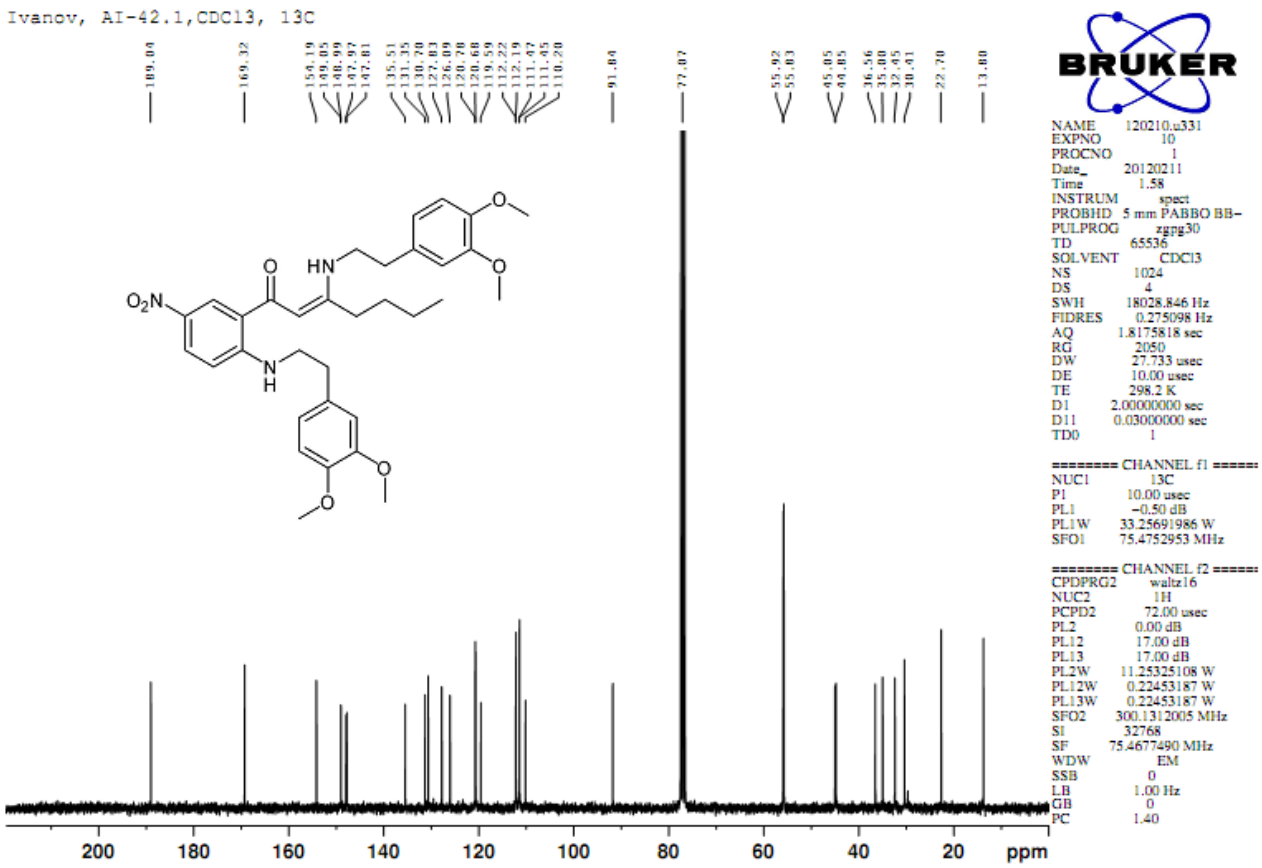
BRUKER

NAME	120712.201
EXPNO	11
PROCNO	1
Date_	20120712
Time	9.15
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

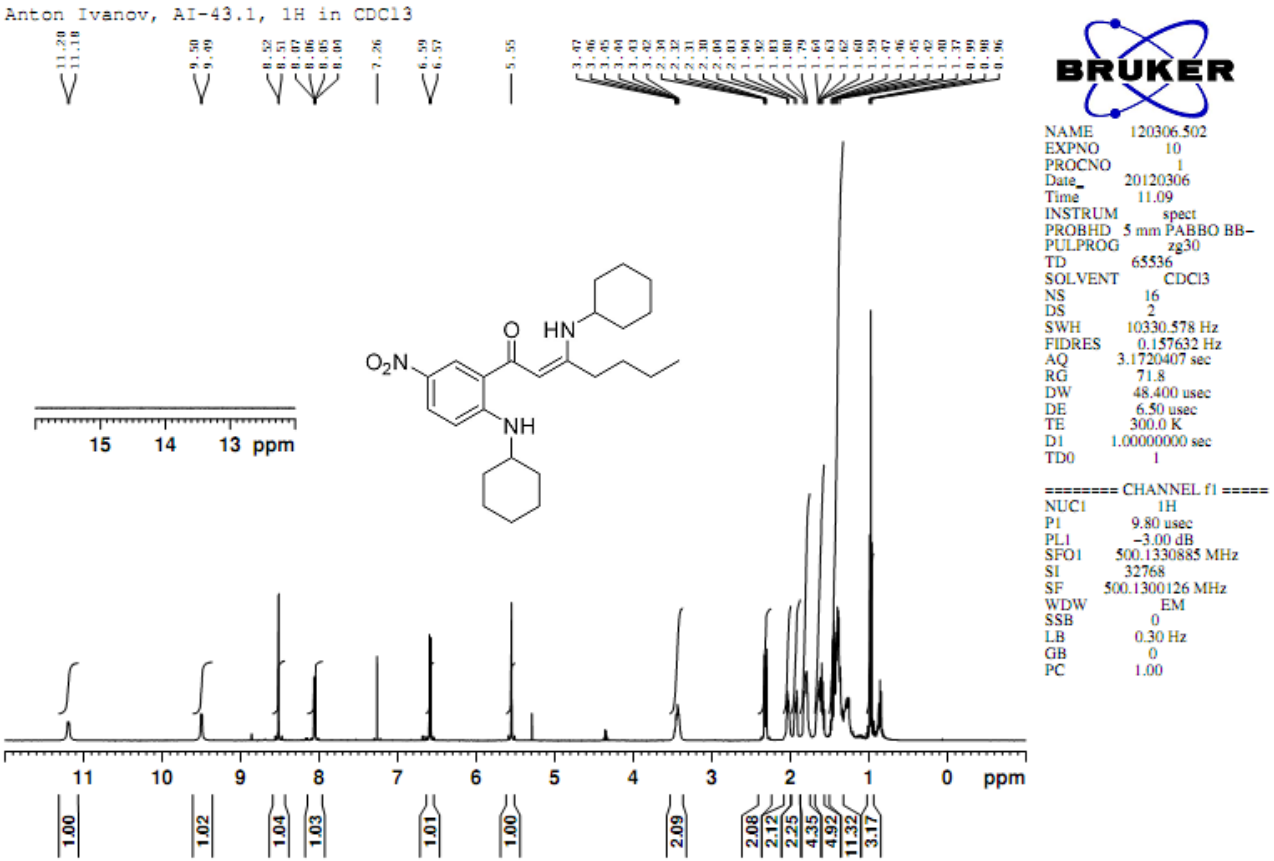
(*Z*)-3-(3,4-Dimethoxyphenethylamino)-1-(2-(3,4-dimethoxyphenethylamino)-5-nitrophenyl)hept-2-en-1-one (9c).



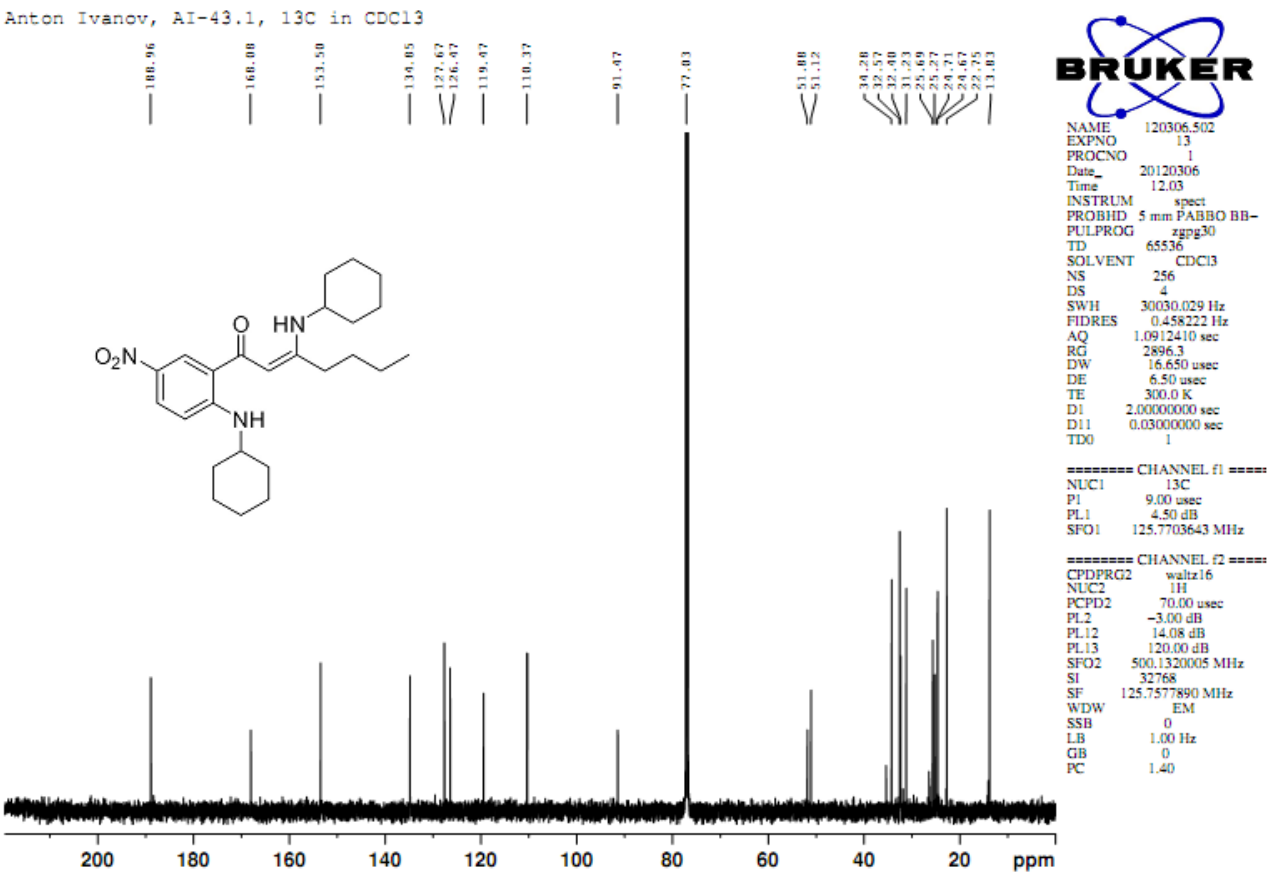
(*Z*)-3-(3,4-Dimethoxyphenethylamino)-1-(2-(3,4-dimethoxyphenethylamino)-5-nitrophenyl)hept-2-en-1-one (9c).



(*Z*)-3-(Cyclohexylamino)-1-(2-(cyclohexylamino)-5-nitrophenyl)hept-2-en-1-one (9d).



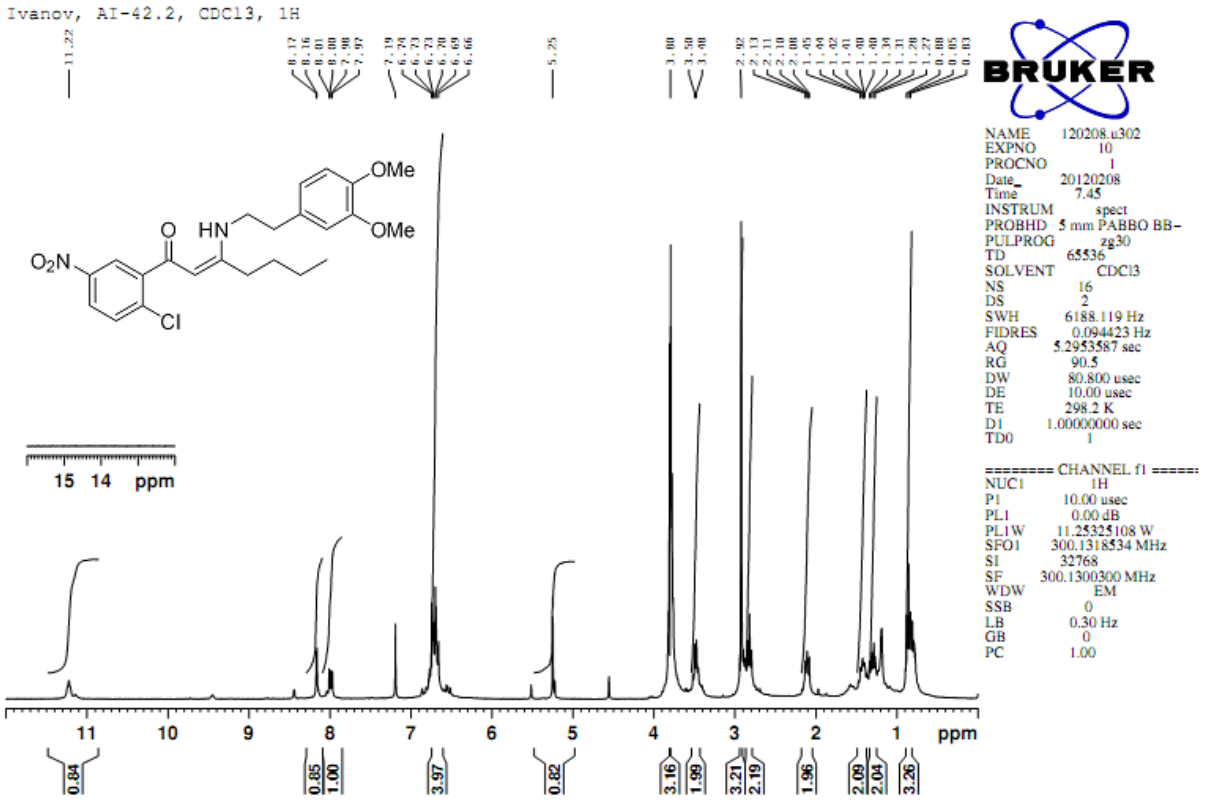
(*Z*)-3-(Cyclohexylamino)-1-(2-(cyclohexylamino)-5-nitrophenyl)hept-2-en-1-one (9d).



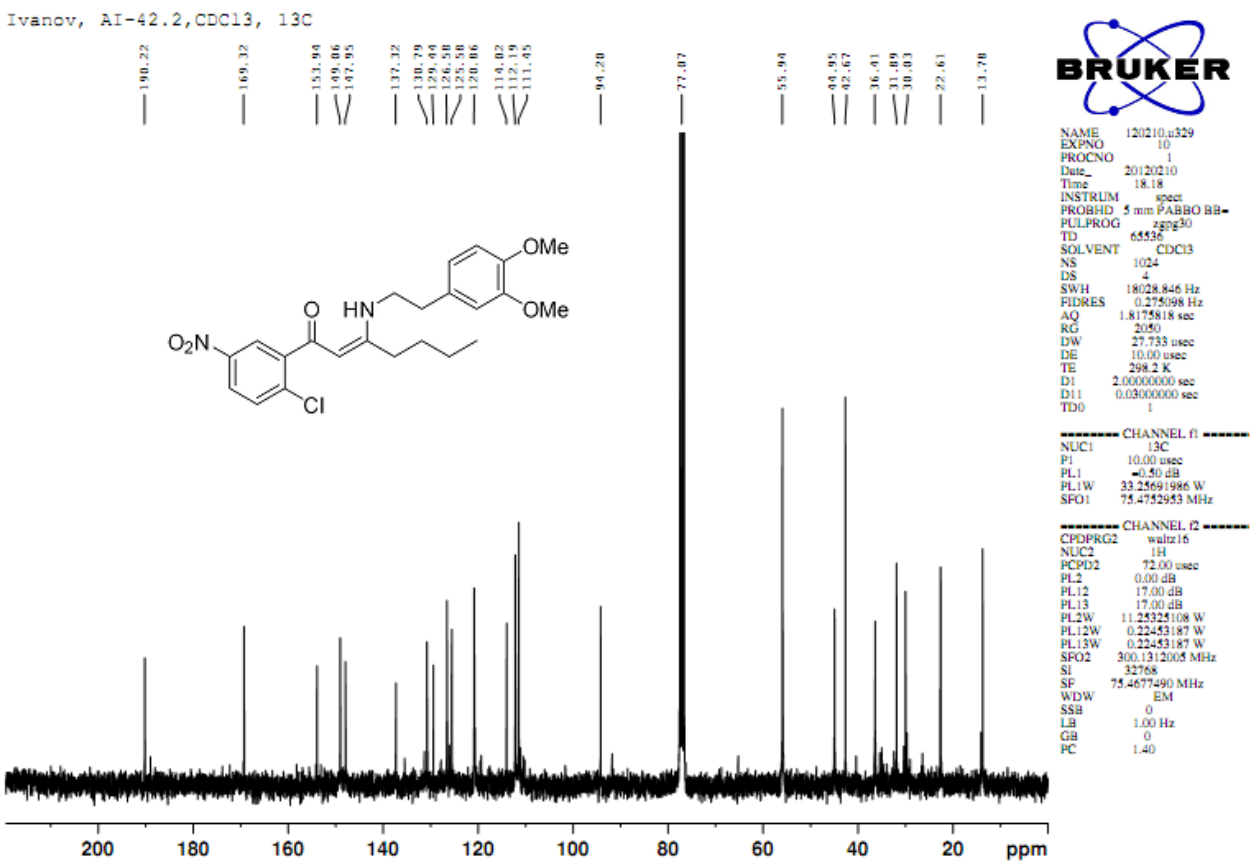
BRUKER

NAME	120306.502
EXPNO	13
PROCNO	1
Date_	20120306
Time	12.03
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	256
DS	4
SWH	30030.029 Hz
FIDRES	0.458222 Hz
AQ	1.0912410 sec
RG	2896.3
DW	16.650 usec
DE	6.50 usec
TE	300.0 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 =====	
NUC1	13C
P1	9.00 usec
PL1	4.50 dB
SFO1	125.7703643 MHz
======== CHANNEL f2 =====	
CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL2	-3.00 dB
PL12	14.08 dB
PL13	120.00 dB
SFO2	500.1320005 MHz
SI	32768
SF	125.7577890 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

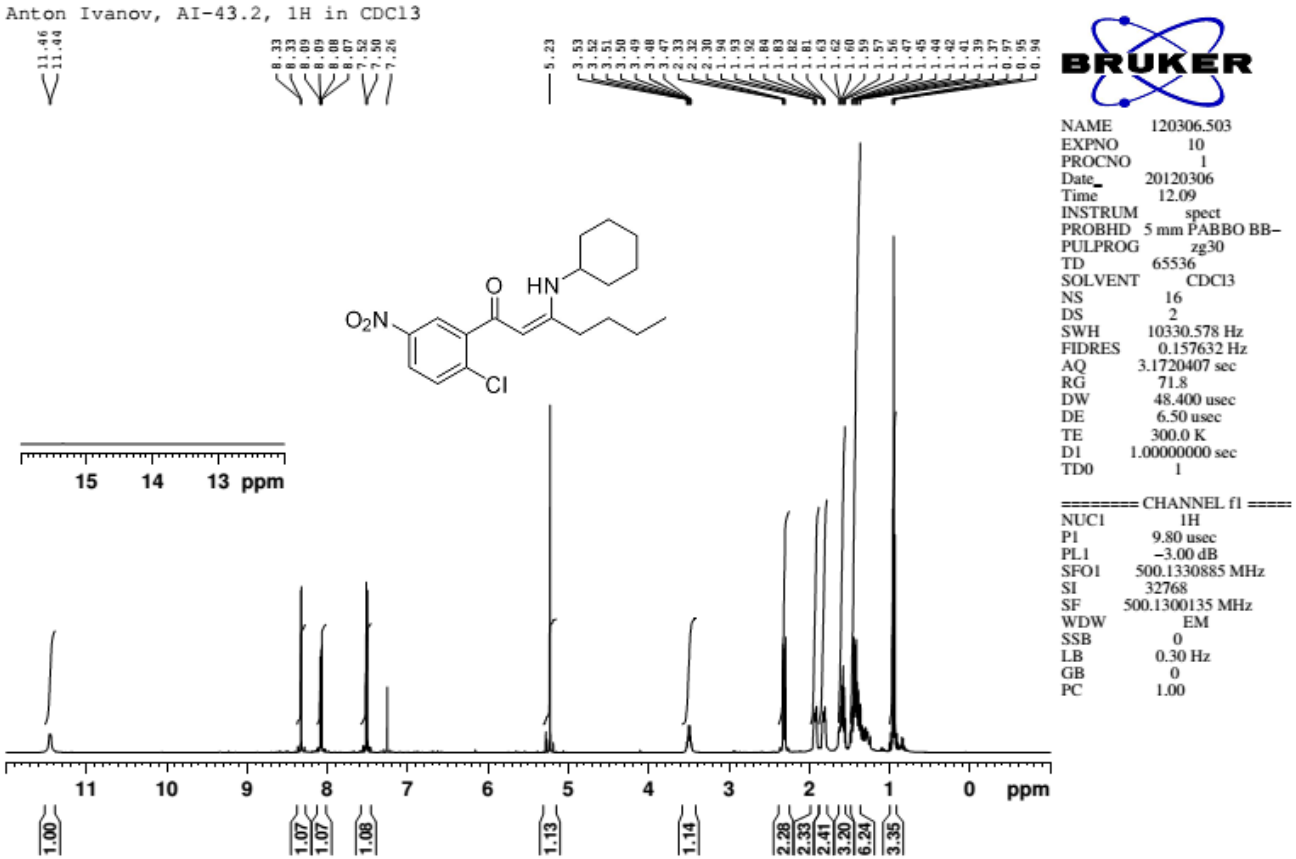
(*Z*)-1-(2-Chloro-5-nitrophenyl)-3-(3,4-dimethoxyphenethylamino)hept-2-en-1-one (10a).



(*Z*)-1-(2-Chloro-5-nitrophenyl)-3-(3,4-dimethoxyphenethylamino)hept-2-en-1-one (10a).



(*Z*)-1-(2-Chloro-5-nitrophenyl)-3-(cyclohexylamino) hept-2-en-1-one (10b).

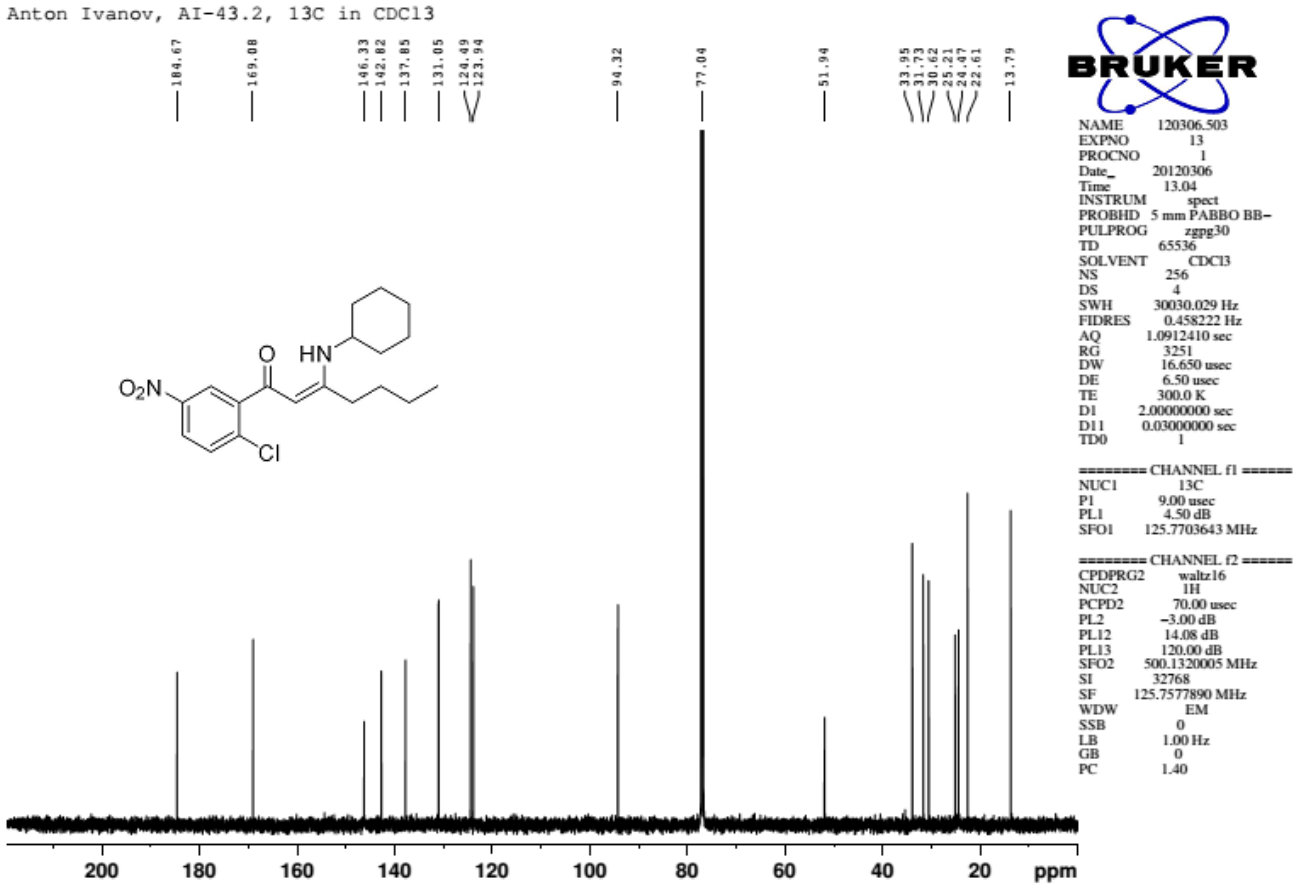


BRUKER

NAME 120306.503
EXPNO 10
PROCNO 1
Date_ 20120306
Time 12.09
INSTRUM spect
PROBHD 5 mm PABBO BB–
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1720407 sec
RG 71.8
DW 48.400 usec
DE 6.50 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 9.80 usec
PL1 –3.00 dB
SFO1 500.1330885 MHz
SI 32768
SF 500.1300135 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

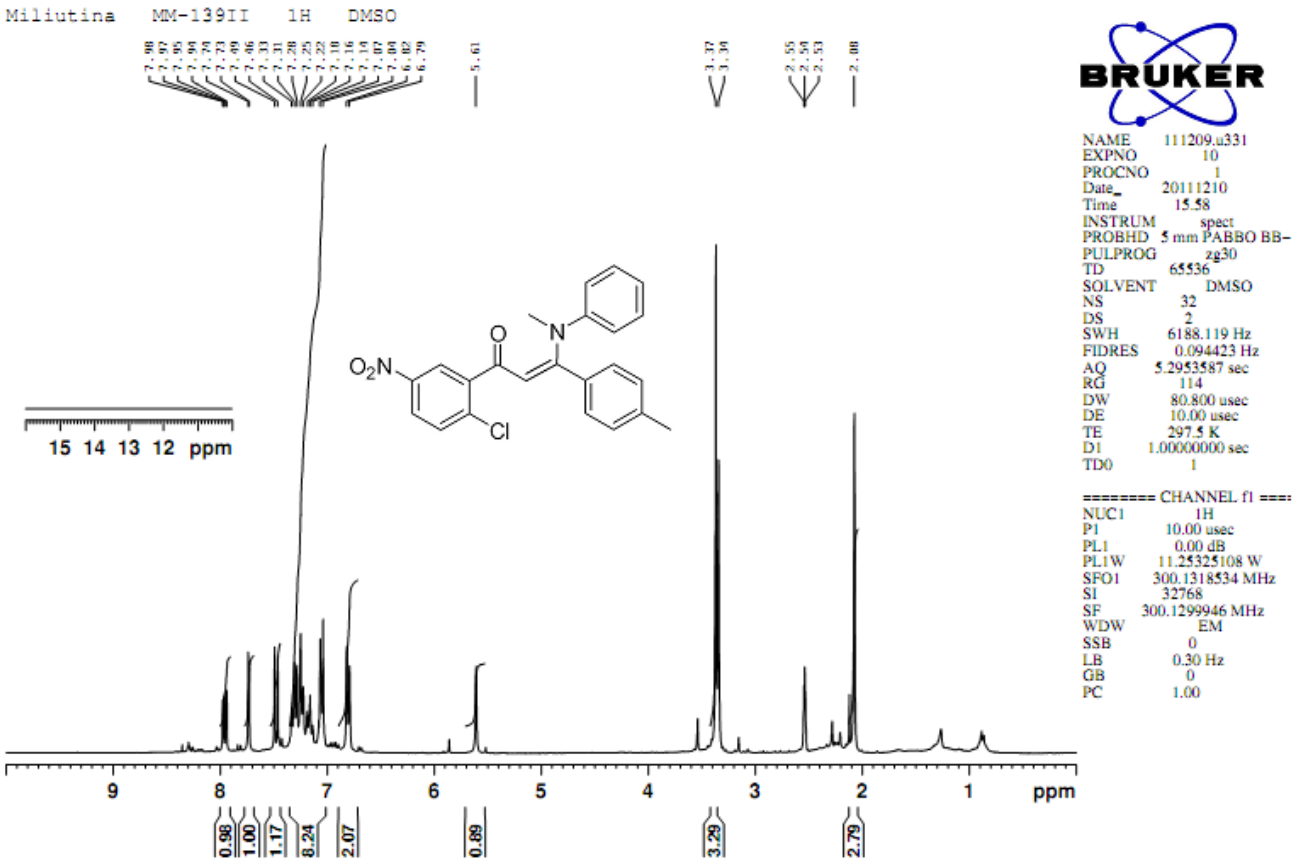
(*Z*)-1-(2-Chloro-5-nitrophenyl)-3-(cyclohexylamino) hept-2-en-1-one (10b).



BRUKER

NAME	120306.503
EXPNO	13
PROCNO	1
Date_	20120306
Time	13.04
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	256
DS	4
SWH	30030.029 Hz
FIDRES	0.458222 Hz
AQ	1.0912410 sec
RG	3251
DW	16.650 usec
DE	6.50 usec
TE	300.0 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	13C
P1	9.00 usec
PL1	4.50 dB
SFO1	125.7703643 MHz
======== CHANNEL f2 ======	
CPDPRG2	waltz16
NUC2	1H
PCPD2	70.00 usec
PL2	-3.00 dB
PL12	14.08 dB
PL13	120.00 dB
SFO2	500.1320005 MHz
SI	32768
SF	125.7577890 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

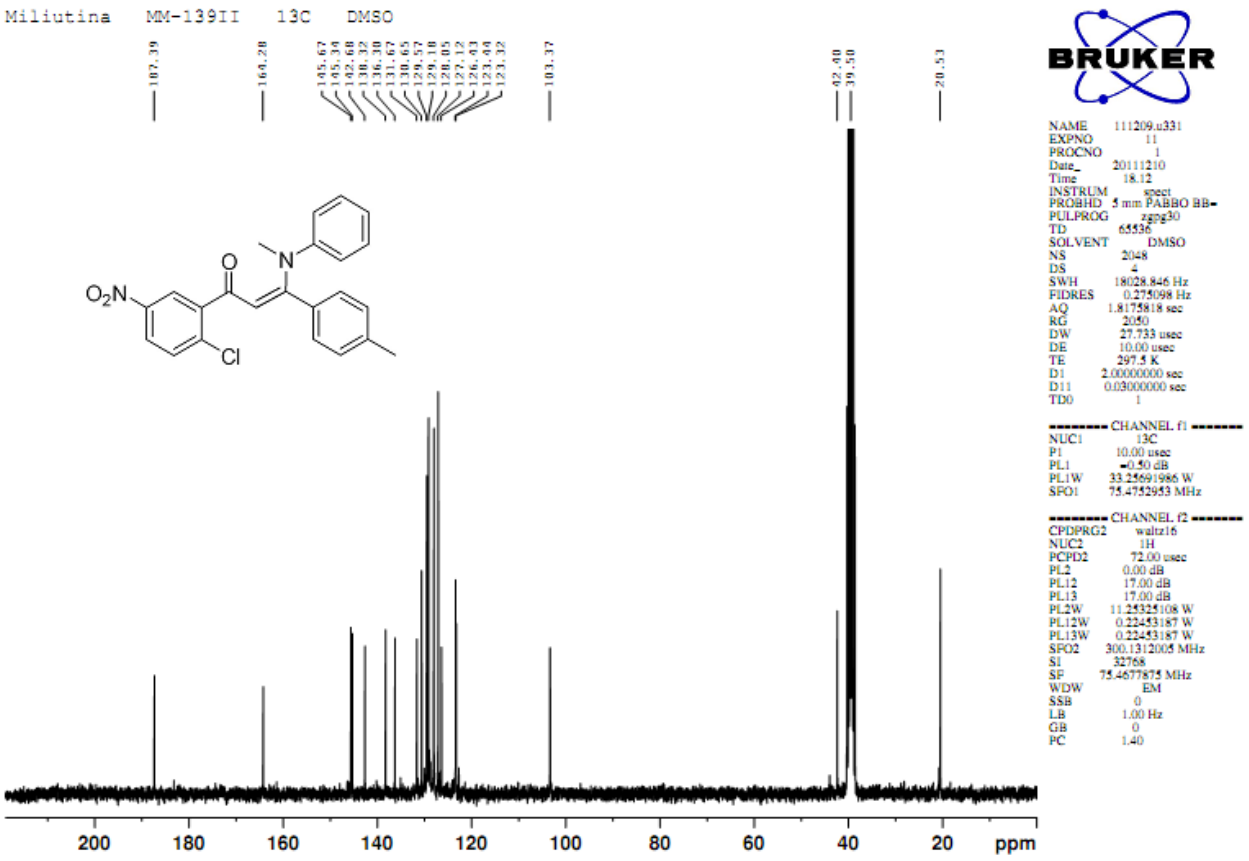
(*Z*)-1-(2-Chloro-5-nitrophenyl)-3-(methyl(phenyl)amino)-3-*p*-tolylprop-2-en-1-one (11).



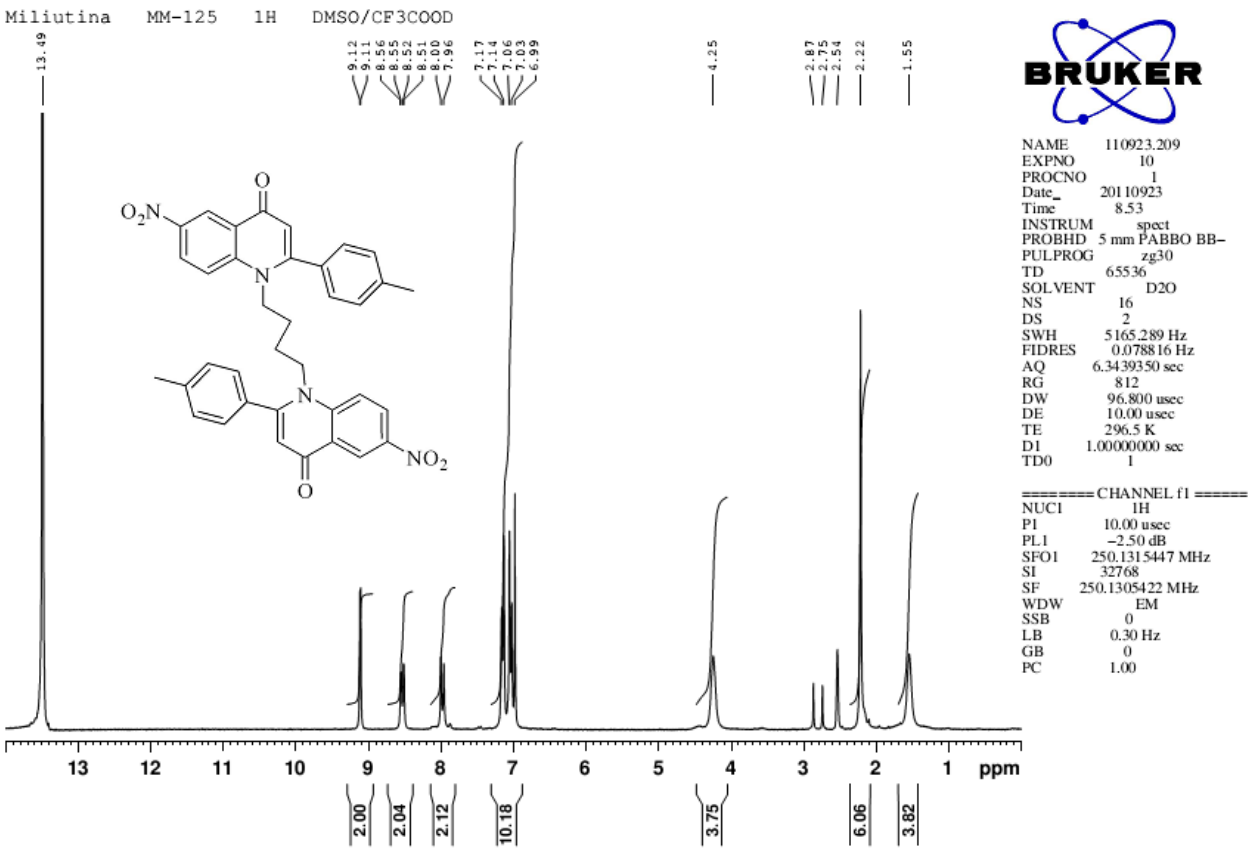
BRUKER

NAME	111209.u331
EXPNO	10
PROCNO	1
Date_	20111210
Time	15.58
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	32
DS	2
SWH	6188.119 Hz
FIDRES	0.094423 Hz
AQ	5.2953587 sec
RG	114
DW	80.800 usec
DE	10.00 usec
TE	297.5 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 ====	
NUC1	1H
P1	10.00 usec
PL1	0.00 dB
PL1W	11.25325108 W
SFO1	300.1318534 MHz
SI	32768
SF	300.1299946 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

(*Z*)-1-(2-Chloro-5-nitrophenyl)-3-(methyl(phenyl)amino)-3-*p*-tolylprop-2-en-1-one (11).



1,1'-(Butane-1,4-diyl)*bis*(6-nitro-2-*p*-tolylquinolin-4(1*H*)-one) (12a).



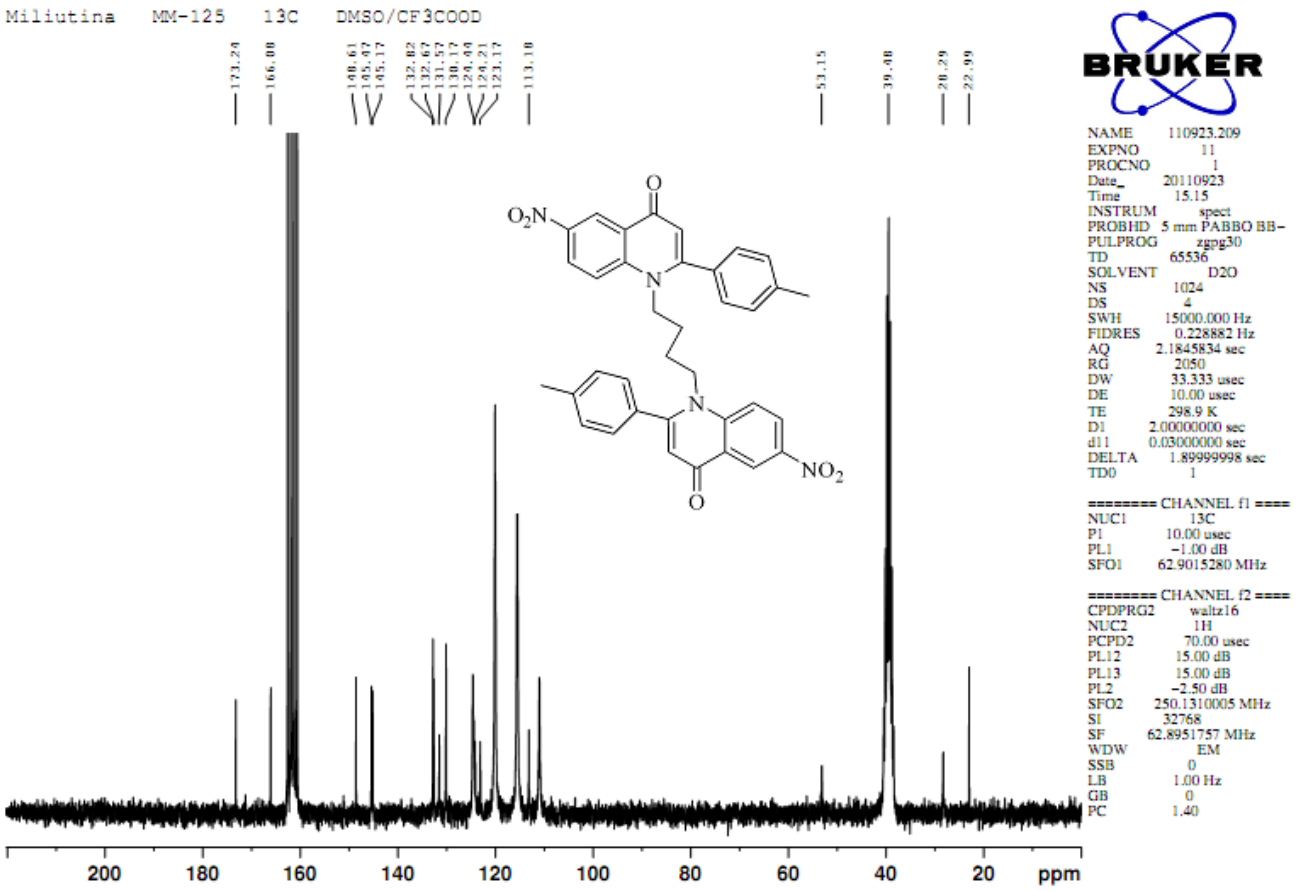
BRUKER

NAME	110923.209
EXPNO	10
PROCNO	1
Date_	20110923
Time	8.53
INSTRUM	spect
PROBHD	5 mm PABBO BB–
PULPROG	zg30
TD	65536
SOLVENT	D2O
NS	16
DS	2
SWH	5165.289 Hz
FIDRES	0.078816 Hz
AQ	6.34393 50 sec
RG	812
DW	96.800 usec
DE	10.00 usec
TE	296.5 K
D1	1.00000000 sec
TD0	1

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

NUC1	1H
P1	10.00 usec
PL1	–2.50 dB
SFO1	250.1315447 MHz
SI	32768
SF	250.1305422 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

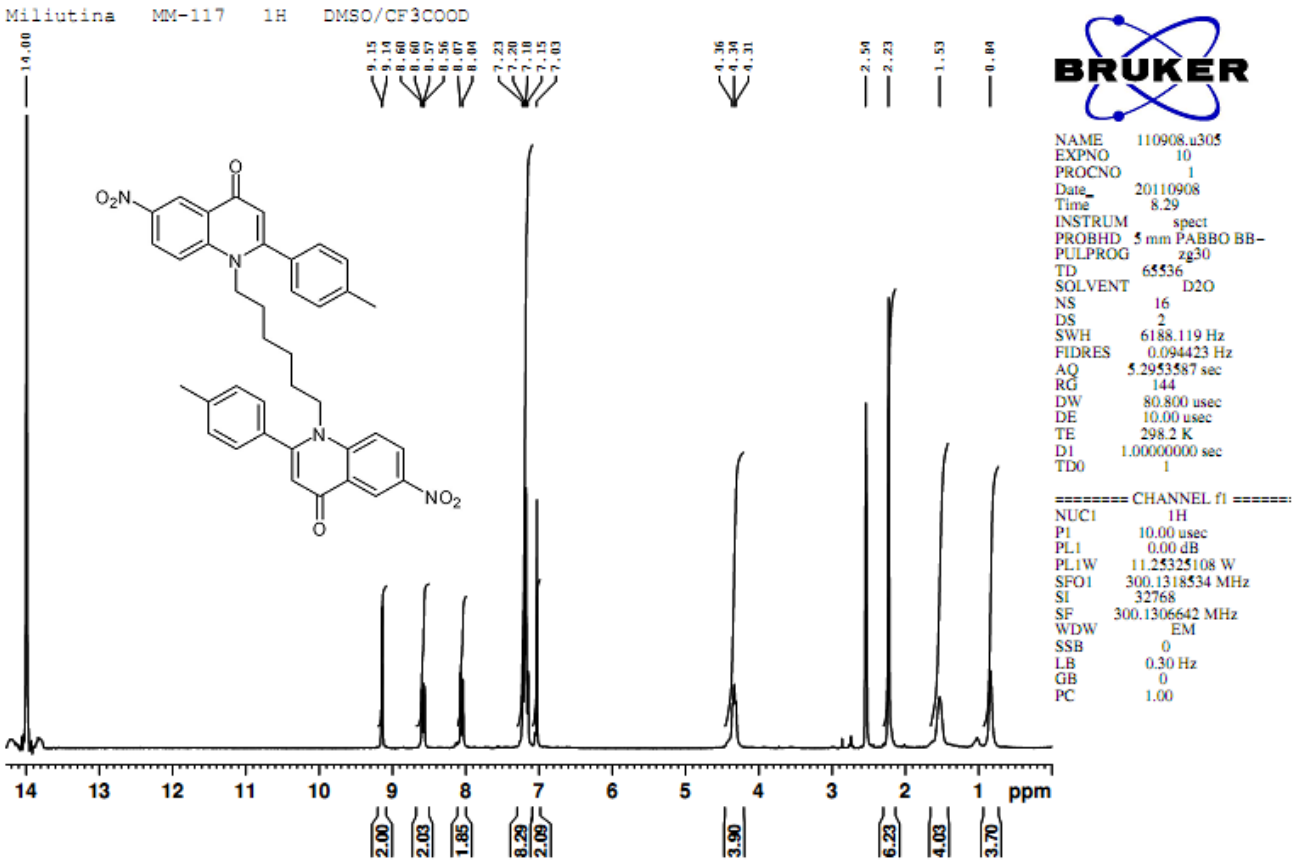
1,1'-(Butane-1,4-diyl)*bis*(6-nitro-2-*p*-tolylquinolin-4(1*H*)-one) (12a).



BRUKER

NAME	110923.209
EXPNO	11
PROCNO	1
Date_	20110923
Time	15.15
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	D2O
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	298.9 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	62.8951757 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

1,1'-(Hexane-1,6-diyl)*bis*(6-nitro-2-*p*-tolylquinolin-4(1*H*)-one) (12b).

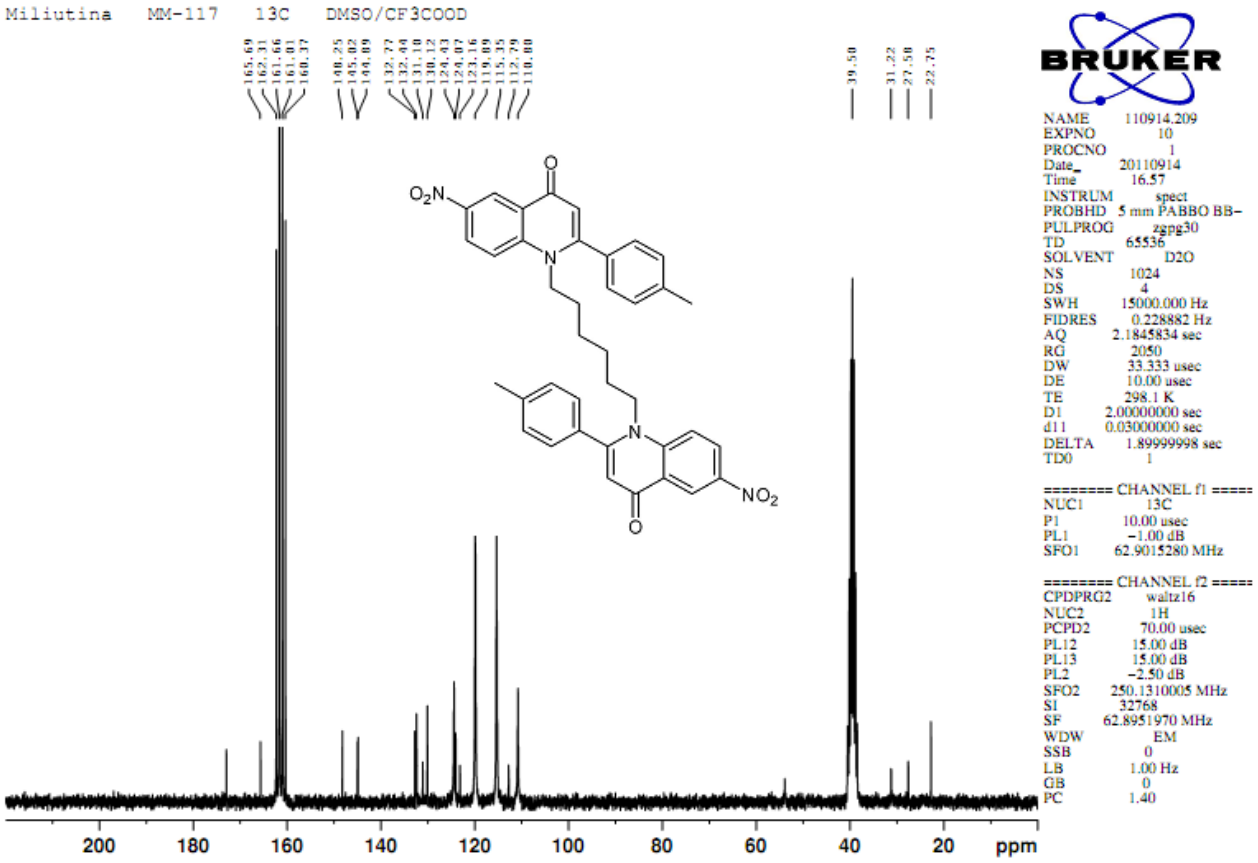


BRUKER

NAME 110908.u305
EXPNO 10
PROCNO 1
Date_ 20110908
Time 8.29
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT D2O
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 144
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =======
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1306642 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

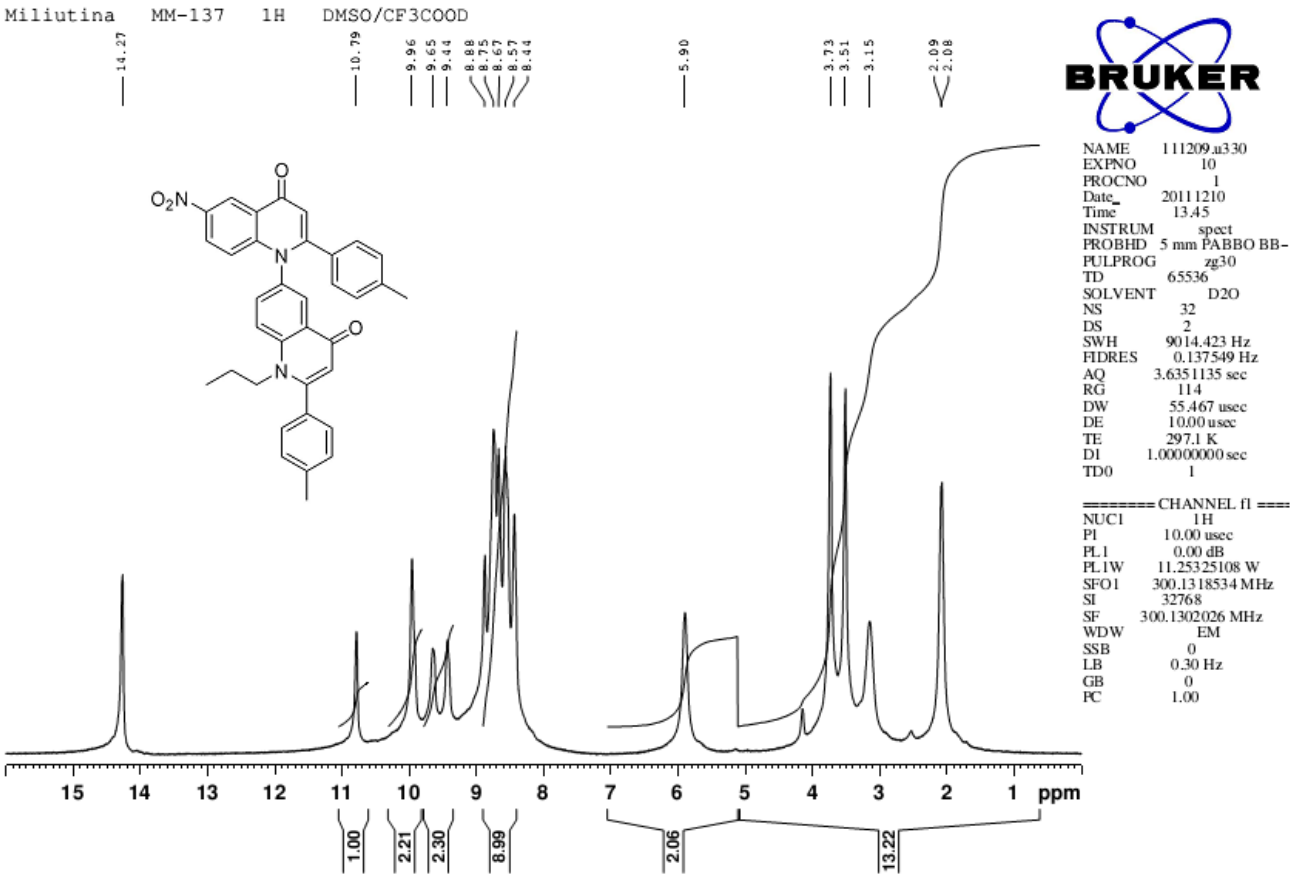
1,1'-(Hexane-1,6-diyl)*bis*(6-nitro-2-*p*-tolylquinolin-4(1*H*)-one) (12b).



BRUKER

NAME	110914.209
EXPNO	10
PROCNO	1
Date_	20110914
Time	16.57
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	D2O
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	62.8951970 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

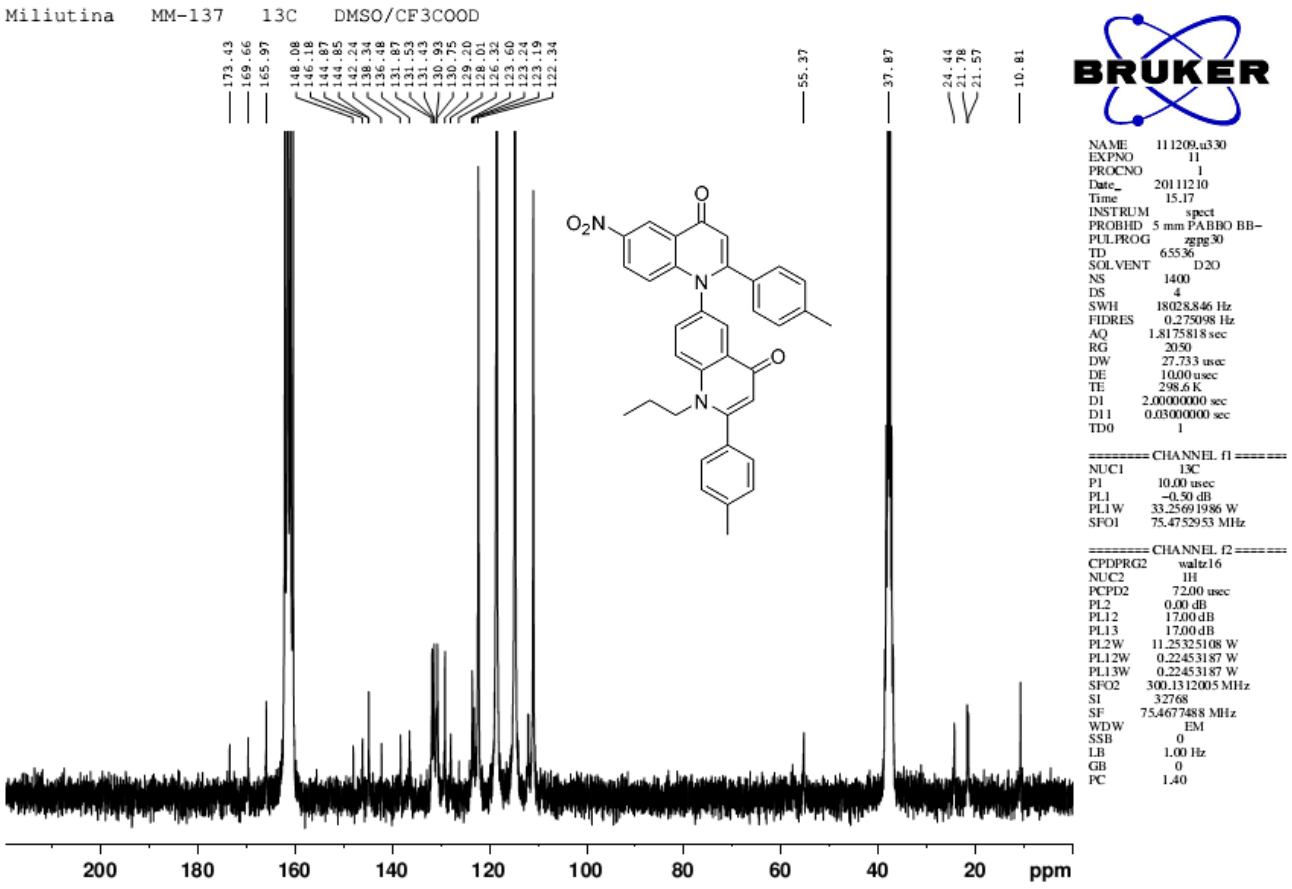
6-Nitro-1'-propyl-2,2'-di*p*-tolyl-4*H*-1,6'-biquinoline-4,4'(1'*H*)-dione (13a).



NAME 111209.u330
EXPNO 10
PROCNO 1
Date_ 20111210
Time 13.45
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT D2O
NS 32
DS 2
SWH 9014.423 Hz
FIDRES 0.137549 Hz
AQ 3.6351135 sec
RG 114
DW 55.467 usec
DE 10.00 usec
TE 297.1 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1302026 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

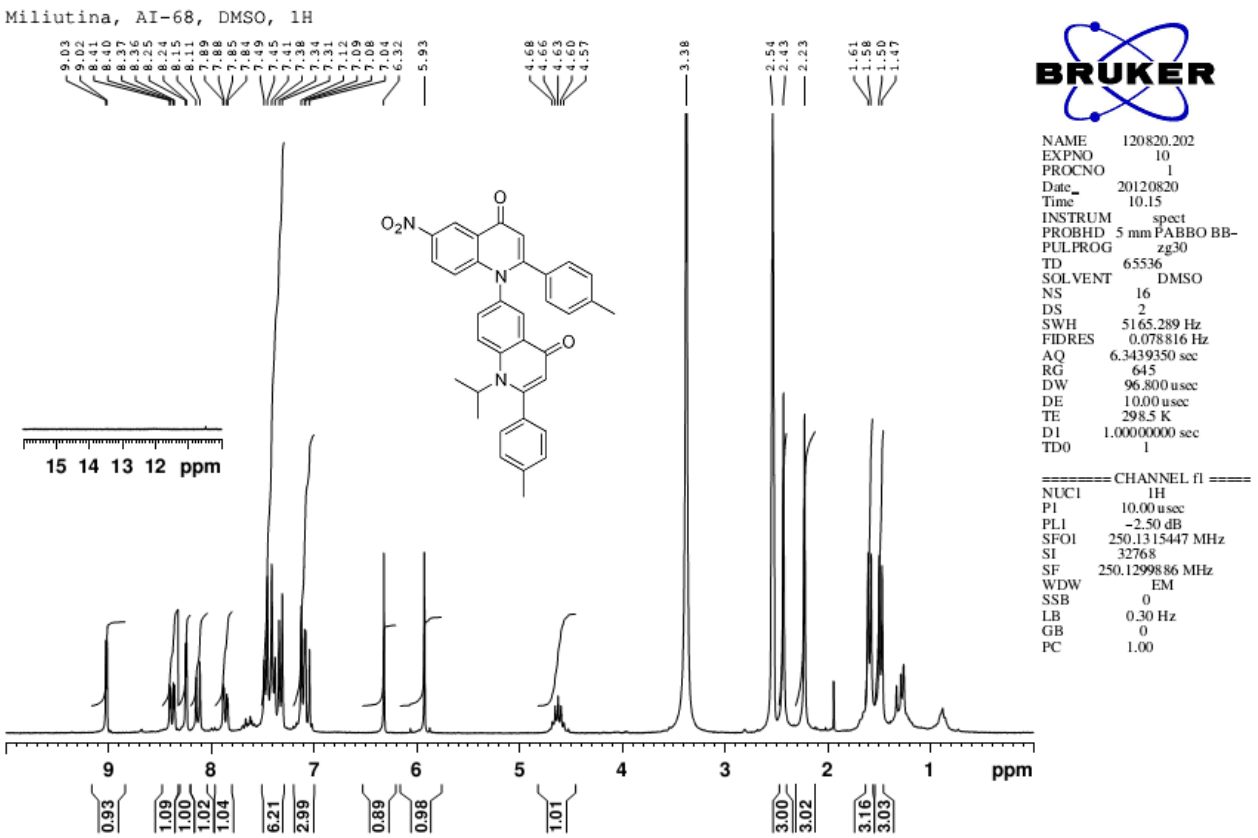
6-Nitro-1'-propyl-2,2'-di*p*-tolyl-4*H*-1,6'-biquinoline-4,4'(1'*H*)-dione (13a).



BRUKER

NAME	111209.u330
EXPNO	11
PROCNO	1
Date_	20111210
Time	15.17
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	D2O
NS	1400
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.6 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ========	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 ========	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677488 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

1'-Isopropyl-6-nitro-2,2'-di*p*-tolyl-4*H*-1,6'-biquinoline-4,4'(1'*H*)-dione (13b).

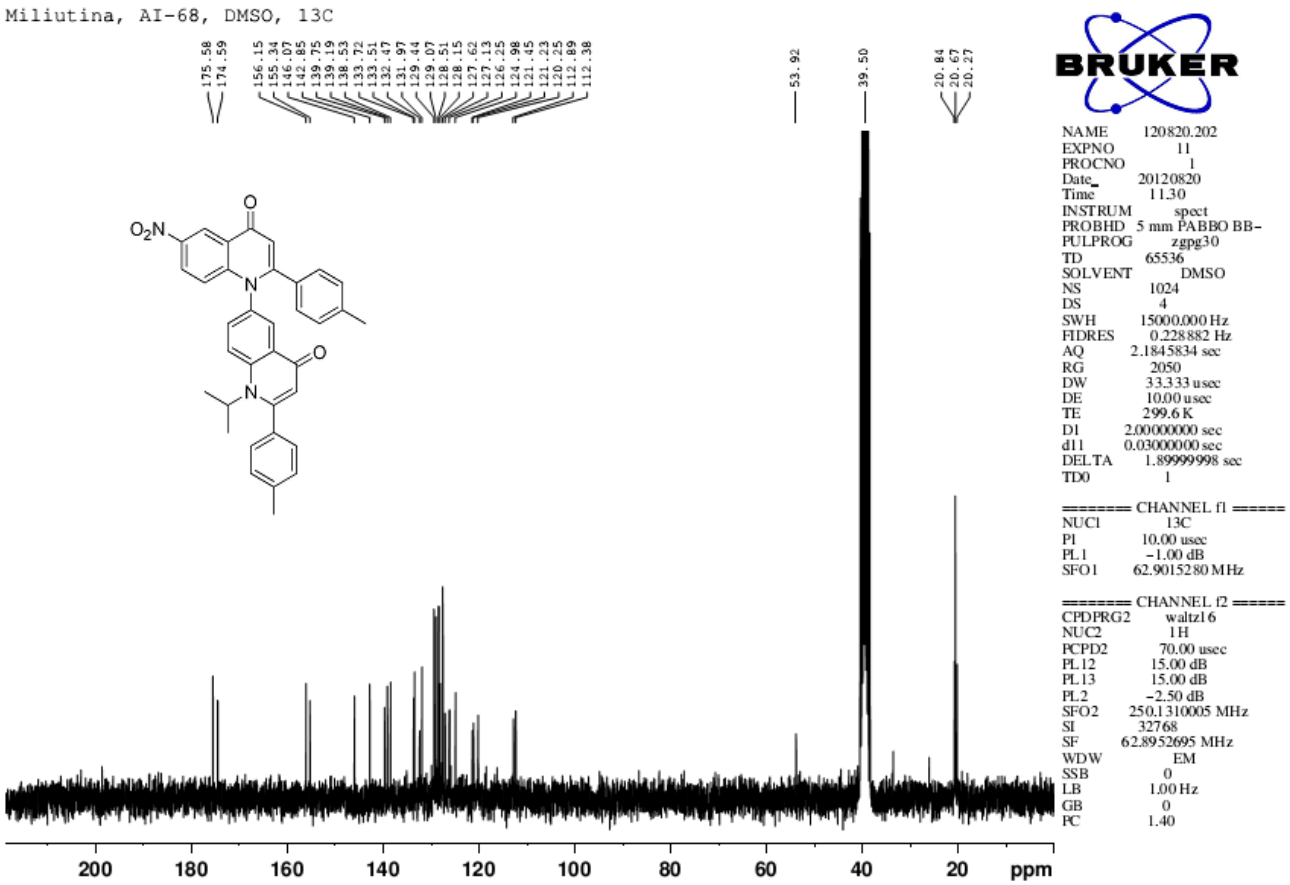


NAME	120820.202
EXPNO	10
PROCNO	1
Date_	20120820
Time	10.15
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	5165.289 Hz
FIDRES	0.078816 Hz
AQ	6.3439350 sec
RG	645
DW	96.800 usec
DE	10.00 usec
TE	298.5 K
D1	1.00000000 sec
TD0	1

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

NUC1	1H
P1	10.00 usec
PL1	-2.50 dB
SFO1	250.1315447 MHz
SI	32768
SF	250.1299886 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

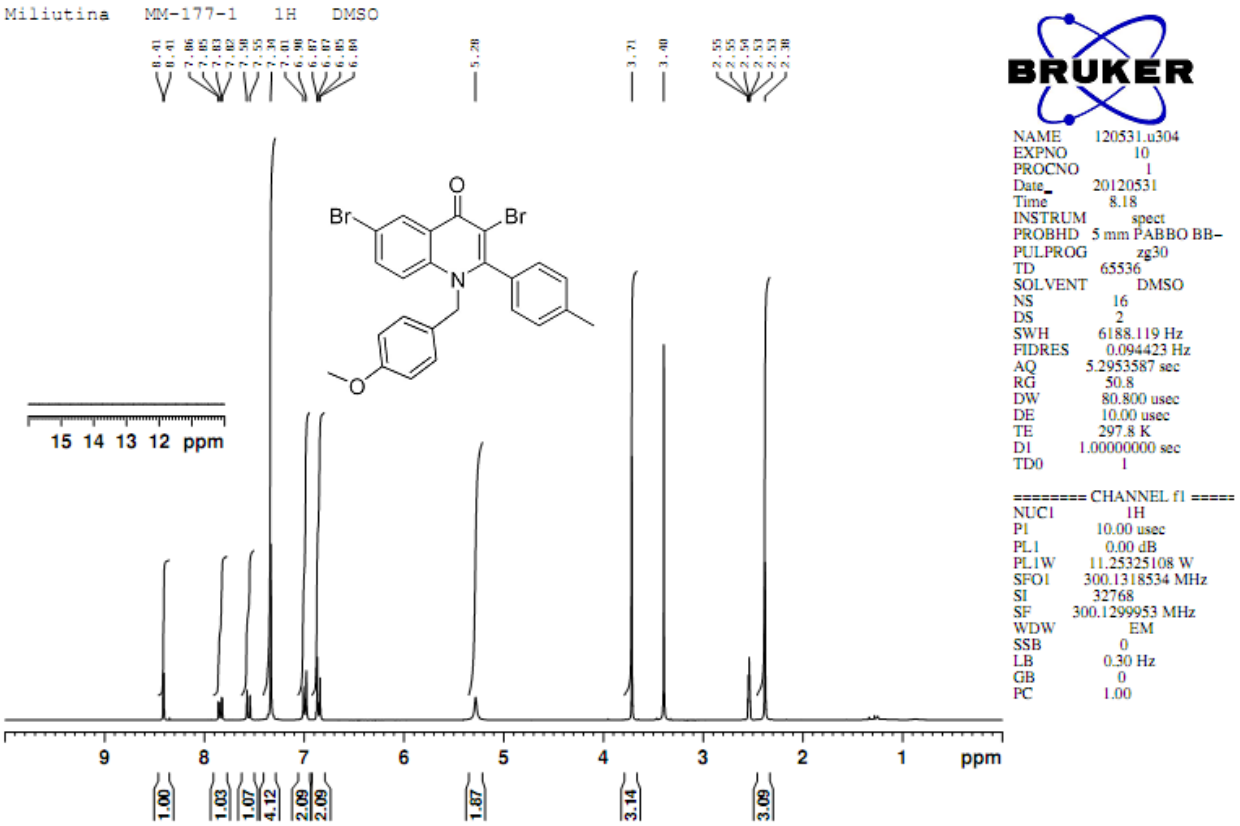
1'-Isopropyl-6-nitro-2,2'-di*p*-tolyl-4*H*-1,6'-biquinoline-4,4'(1'*H*)-dione (13b).



BRUKER

NAME	120820.202
EXPNO	11
PROCNO	1
Date_	20120820
Time	11.30
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	299.6 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	62.8952695 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

3,6-Dibromo-1-(4-methoxybenzyl)-2-*p*-tolylquinolin-4(1*H*)-one (14).

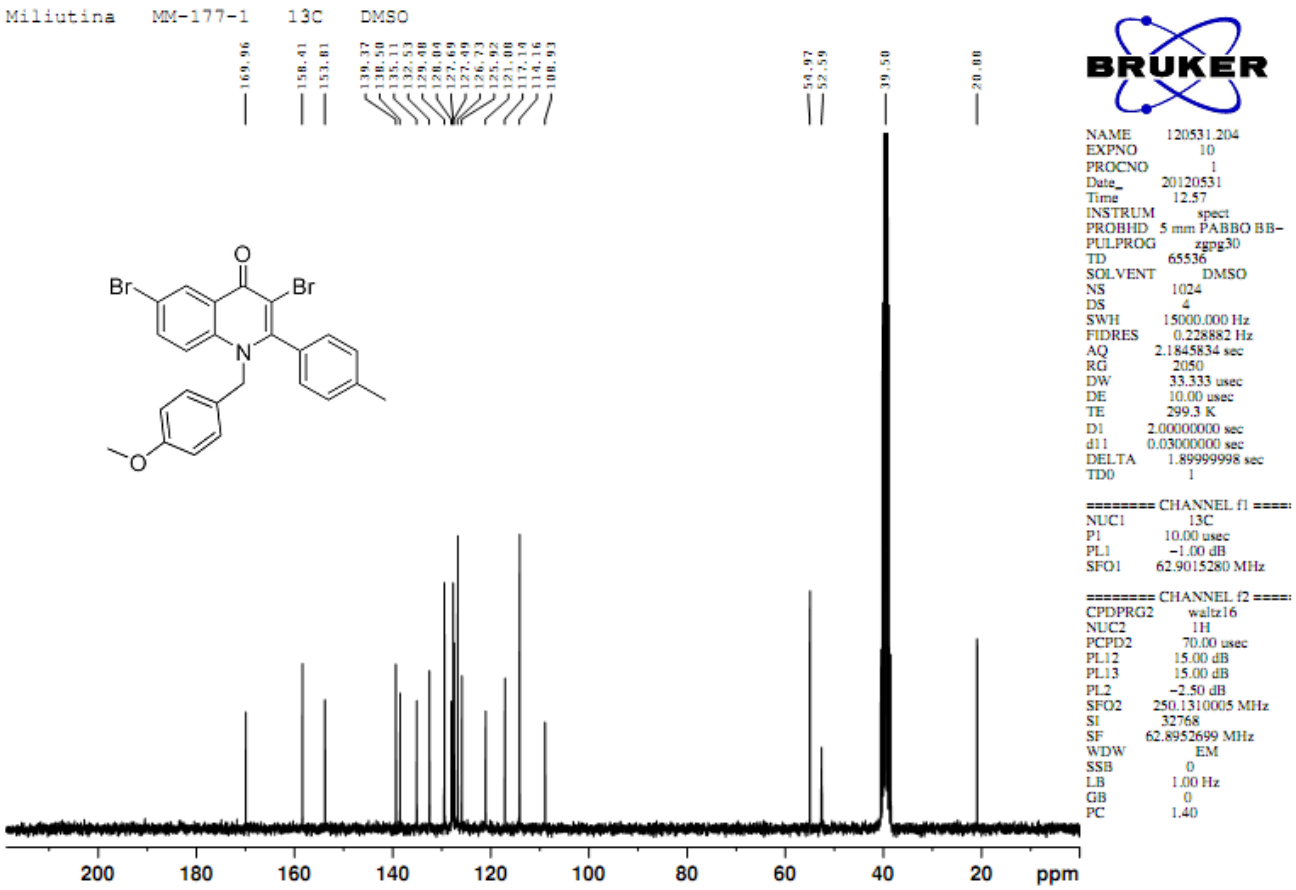


BRUKER

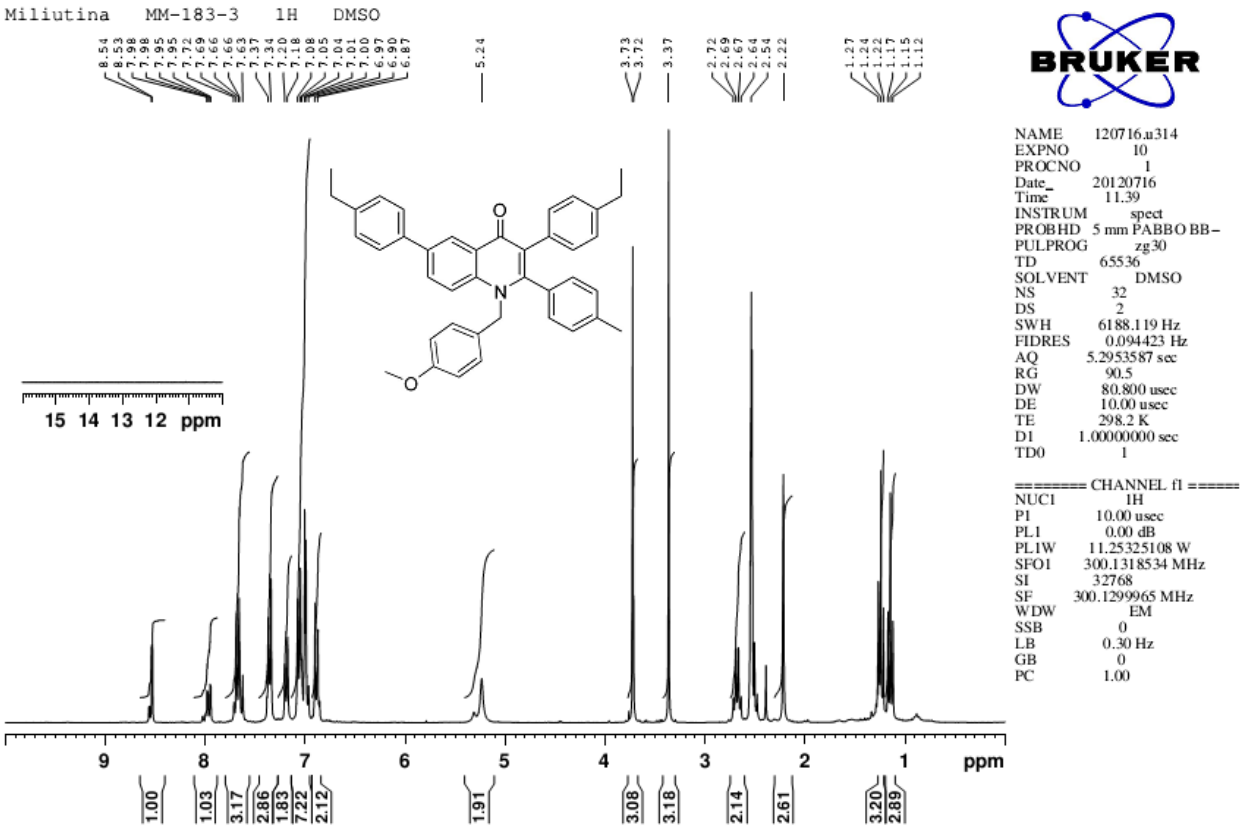
NAME 120531.u304
EXPNO 10
PROCNO 1
Date_ 20120531
Time 8.18
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 50.8
DW 80.800 usec
DE 10.00 usec
TE 297.8 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299953 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

3,6-Dibromo-1-(4-methoxybenzyl)-2-*p*-tolylquinolin-4(1*H*)-one (14).



3,6-Bis(4-ethylphenyl)-1-(4-methoxybenzyl)-2-*p*-tolylquinolin-4(1*H*)-one (15).

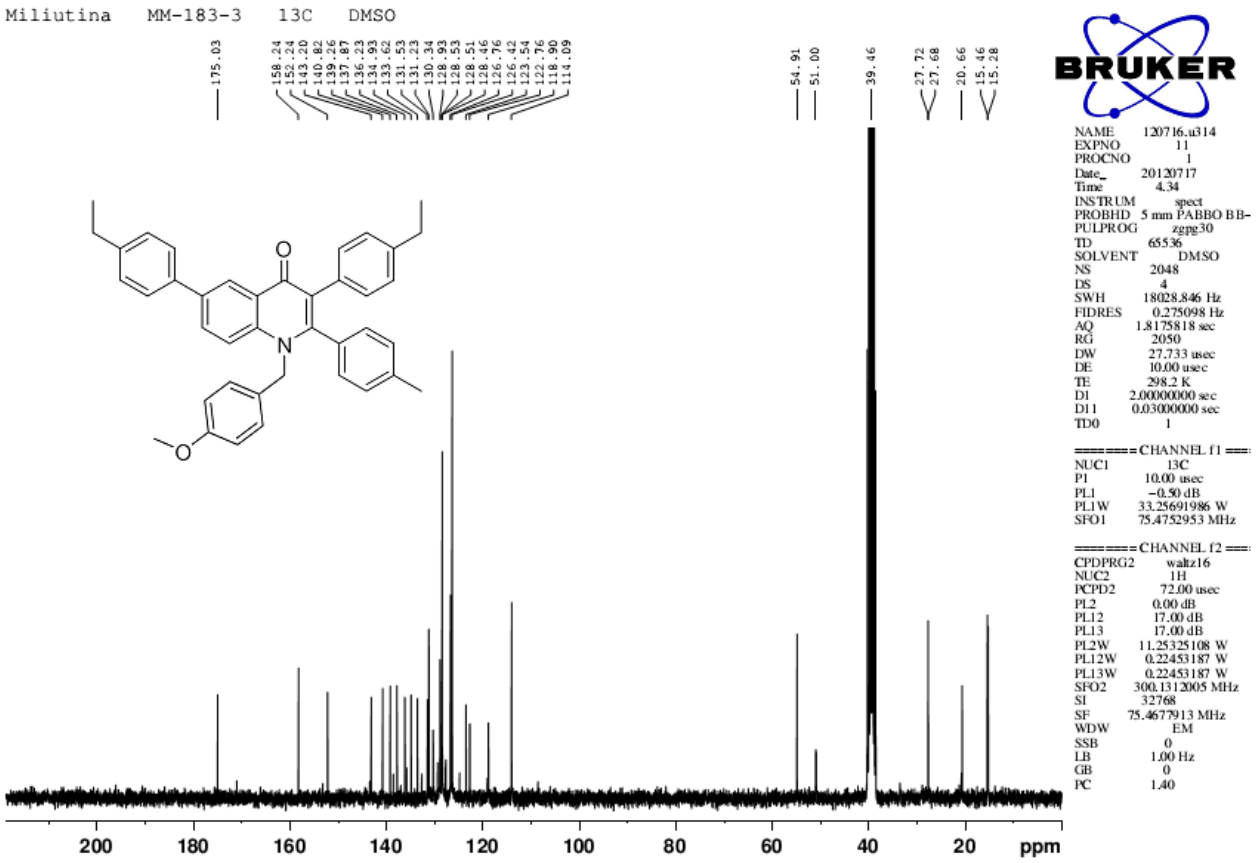


BRUKER

NAME 120716.u314
EXPNO 10
PROCNO 1
Date_ 20120716
Time 11.39
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 32
DS 2
SWH 6188.119 Hz
FIDRES 0.094423 Hz
AQ 5.2953587 sec
RG 90.5
DW 80.800 usec
DE 10.00 usec
TE 298.2 K
D1 1.00000000 sec
TD0 1

====== CHANNEL f1 ======
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299965 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

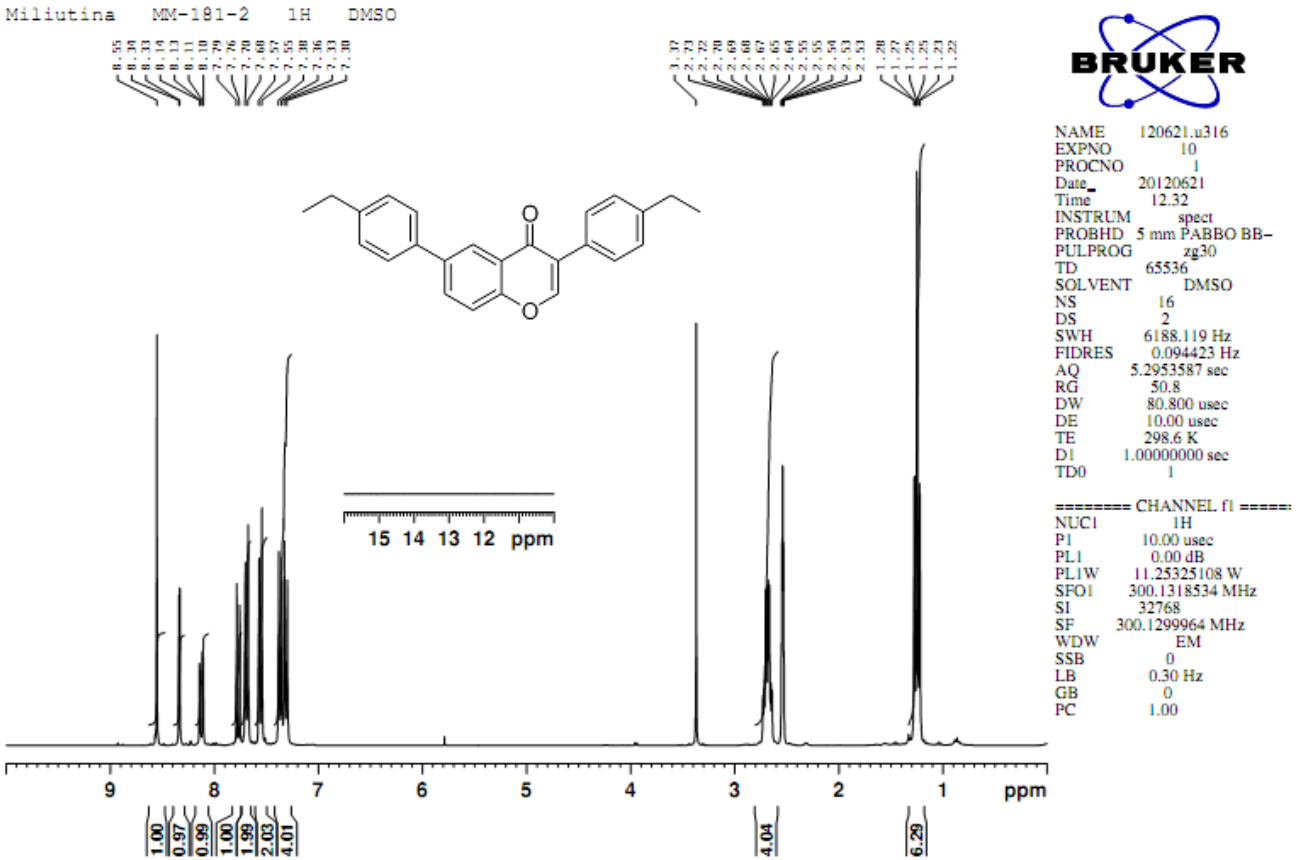
3,6-Bis(4-ethylphenyl)-1-(4-methoxybenzyl)-2-*p*-tolylquinolin-4(1*H*)-one (15).



BRUKER

NAME	120716.u314
EXPNO	11
PROCNO	1
Date_	20120717
Time	4.34
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	2048
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ====	
NUC1	13C
P1	10.00 usec
PL1	−0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 ====	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677913 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

3,6-Bis(4-ethylphenyl)-4*H*-chromen-4-one (16).

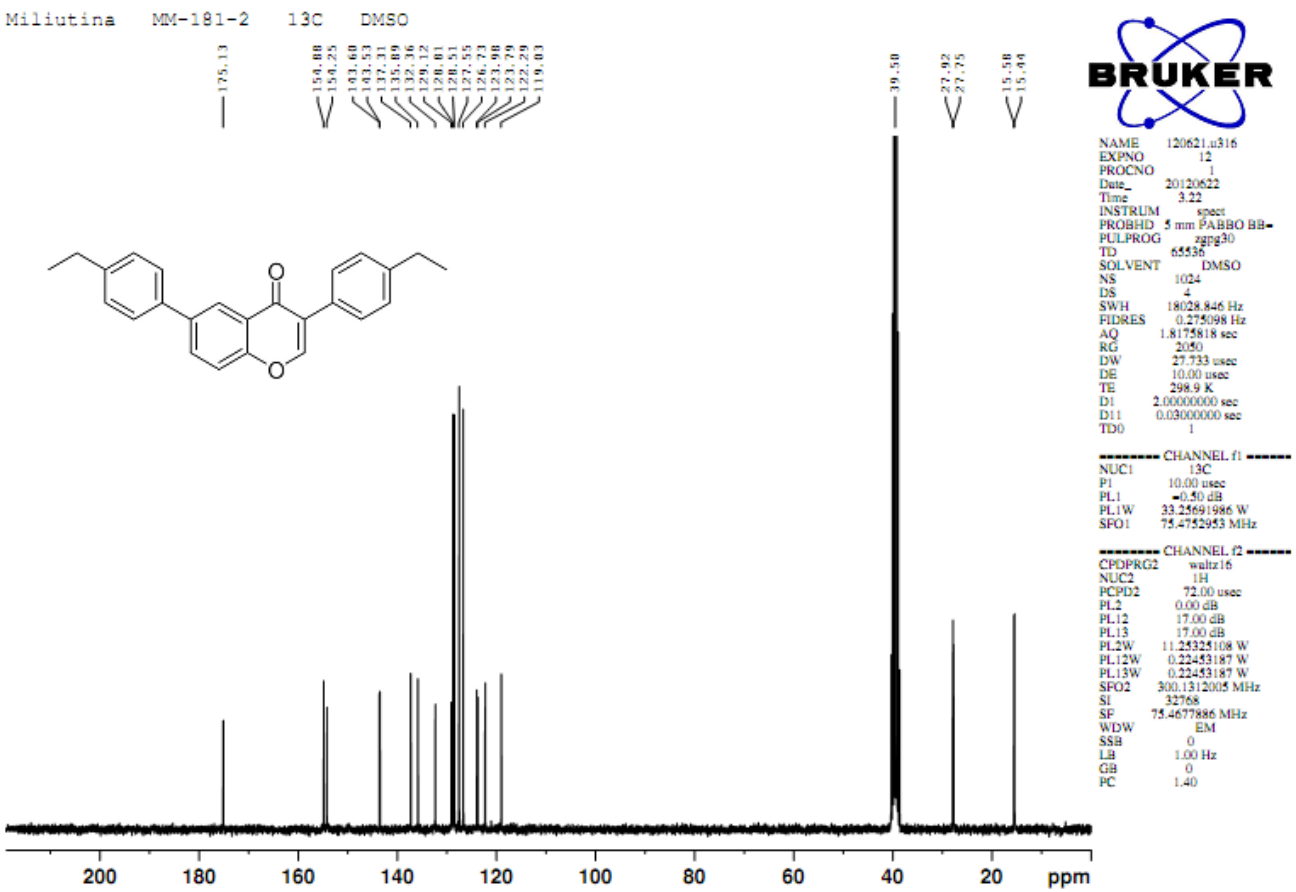


BRUKER

NAME 120621.u316
EXPNO 10
PROCNO 1
Date_ 20120621
Time 12.32
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 50.8
DW 80.800 usec
DE 10.00 usec
TE 298.6 K
D1 1.00000000 sec
TD0 1

======== CHANNEL f1 ======
NUC1 1H
P1 10.00 usec
PL1 0.00 dB
PL1W 11.25325108 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1299964 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

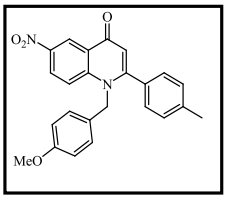
3,6-Bis(4-ethylphenyl)-4*H*-chromen-4-one (16).



BRUKER

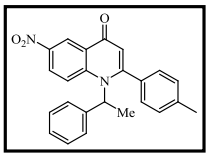
NAME	120621.u316
EXPNO	12
PROCNO	1
Date_	20120622
Time	3.22
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zgpg30
TD	65536
SOLVENT	DMSO
NS	1024
DS	4
SWH	18028.846 Hz
FIDRES	0.275098 Hz
AQ	1.8175818 sec
RG	2050
DW	27.733 usec
DE	10.00 usec
TE	298.9 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1
======== CHANNEL f1 ======	
NUC1	13C
P1	10.00 usec
PL1	-0.50 dB
PL1W	33.25691986 W
SFO1	75.4752953 MHz
======== CHANNEL f2 ======	
CPDPRG2	waltz16
NUC2	1H
PCPD2	72.00 usec
PL2	0.00 dB
PL12	17.00 dB
PL13	17.00 dB
PL2W	11.25325108 W
PL12W	0.22453187 W
PL13W	0.22453187 W
SFO2	300.1312005 MHz
SI	32768
SF	75.4677886 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	1.40

X-Ray structure of compound 7ab



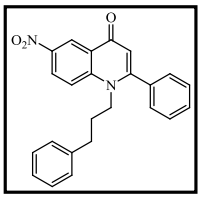
Identification code	is_mm127	
Empirical formula	C24 H20 N2 O4	
Formula weight	400.42	
Temperature	173(2) K	
Wavelength	0.71073 Å	
Crystal system	monoclinic	
Space group (H.-M.)	*P* $2_1/c$	
Space group (Hall)	-P 2ybc	
Unit cell dimensions	a = 10.4745(6) Å	α = 90.00°
	b = 10.6976(6) Å	β = 91.384(3)°
	c = 17.8031(11) Å	γ = 90.00°
Volume	1994.3(2) $Å^3$	
Z	4	
Calculated density	1.334 mg/m^3	
Absorption coefficient	0.092 mm^{-1}	
F(000)	840	
Crystal size	0.37 x 0.13 x 0.07 mm^3	
Θ range for data collection	1.94 to 28.00°	
Index ranges	$-13 \le h \le 13$, $-9 \le k \le 14$, $-23 \le l \le 22$	
Reflections collected	19220	
Independent reflections	4810 [R(int) = 0.0664]	
Completeness to Θ = 28.00°	100.0%	
Absorption correction	Multi-scan	
Max. and min. transmission	0.9936 and 0.9668	
Refinement method	Full-matrix least-squares on F^2	
Data / restraints / parameters	2565 / 0 / 273	
Goodness-of-fit on F^2	1.000	
Final R indices [I>2σ (I)]	R1 = 0.0505, wR2 = 0.1045	
R indices (all data)	R1 = 0.1164, wR2 = 0.1328	
Largest diff. peak and hole	0.167 and -0.270 $e.Å^{-3}$	

X-Ray structure of compound 7ac



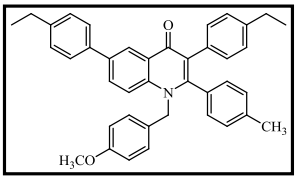
Identification code	is_mm115_118	
Empirical formula	C24 H20 N2 O3	
Formula weight	384.42	
Temperature	173(2) K	
Wavelength	0.71073 Å	
Crystal system	orthorhombic	
Space group (H.-M.)	*P* 2_1 2_1 2_1	
Space group (Hall)	P 2ac 2ab	
Unit cell dimensions	a = 9.9322(10) Å	α = 90°
	b = 13.6154(10) Å	β = 90°
	c = 14.4052(15) Å	γ = 90°
Volume	1948.0(3) $Å^3$	
Z	4	
Calculated density	1.311 mg/m^3	
Absorption coefficient	0.087 mm^{-1}	
F(000)	808	
Crystal size	0.430 x 0.170 x 0.140 mm^3	
Θ range for data collection	3.628 to 28.999°	
Index ranges	$-13 \le h \le 13$, $-11 \le k \le 17$, $-19 \le l \le 19$	
Reflections collected	15463	
Independent reflections	5004 [R(int) = 0.0466]	
Completeness to Θ = 28.00°	96.9%	
Absorption correction	Multi-scan	
Max. and min. transmission	0.7460 and 0.6977	
Refinement method	Full-matrix least-squares on F^2	
Data / restraints / parameters	3347 / 0 / 265	
Goodness-of-fit on F^2	1.074	
Final R indices [I>2σ (I)]	R1 = 0.0414, wR2 = 0.0724	
R indices (all data)	R1 = 0.0851, wR2 = 0.0959	
Largest diff. peak and hole	0.191 and -0.178 $e.Å^{-3}$	

X-Ray structure of compound 7bd



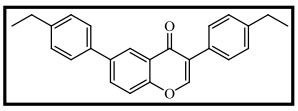
Identification code	av_mm89	
Empirical formula	C24 H20 N2 O3	
Formula weight	384.42	
Temperature	173(2) K	
Wavelength	0.71073 Å	
Crystal system	orthorhombic	
Space group (H.-M.)	P b c a	
Space group (Hall)	-*P* 2ac 2ab	
Unit cell dimensions	a = 10.4213(5) Å	α = 90.00°
	b = 15.0974(8) Å	β = 90.00°
	c = 24.6279(14) Å	γ = 90.00°
Volume	3874.8(4) $Å^3$	
Z	8	
Calculated density	1.318 mg/m^3	
Absorption coefficient	0.088 mm^{-1}	
F(000)	1616	
Crystal size	0.68 x 0.20 x 0.15 mm^3	
Θ range for data collection	2.51 to 30.00°	
Index ranges	$-14 \le h \le 12, -19 \le k \le 21, -34 \le l \le 24$	
Reflections collected	22580	
Independent reflections	5541 [R(int) = 0.0292]	
Completeness to Θ = 28.00°	98.0%	
Absorption correction	Multi-scan	
Max. and min. transmission	0.9870 and 0.9427	
Refinement method	Full-matrix least-squares on F^2	
Data / restraints / parameters	3855 / 0 / 262	
Goodness-of-fit on F^2	1.049	
Final R indices [I>2σ (I)]	R1 = 0.0493, wR2 = 0.1103	
R indices (all data)	R1 = 0.0799, wR2 = 0.1234	
Largest diff. peak and hole	0.208 and -0.245 $e.Å^{-3}$	

X-Ray structure of compound 15



Identification code	is_mm183	
Empirical formula	C39.74 H36.71 Br0.03 N O2	
Formula weight	562.69	
Temperature	173(2) K	
Wavelength	0.71073 Å	
Crystal system	triclinic	
Space group (H.-M.)	$P\bar{1}$	
Space group (Hall)	-P 1	
Unit cell dimensions	a = 10.5670(5) Å	α = 109.863(2)°
	b = 12.7739(5) Å	β = 101.516(2)°
	c = 12.9152(5) Å	γ = 105.361(2)°
Volume	1498.23(11) Å^3	
Z	2	
Calculated density	1.247 mg/m^3	
Absorption coefficient	0.115 mm^{-1}	
F(000)	598	
Crystal size	0.24 x 0.22 x 0.05 mm^3	
Θ range for data collection	2.80 to 30.00°	
Index ranges	-14 ≤ h ≤ 14, -17 ≤ k ≤ 17, -18 ≤ l ≤ 18	
Reflections collected	39715	
Independent reflections	8694 [R(int) = 0.0471]	
Completeness to Θ = 28.00°	99.6%	
Absorption correction	Multi-scan	
Max. and min. transmission	0.9943 and 0.9728	
Refinement method	Full-matrix least-squares on F^2	
Data / restraints / parameters	5050 / 0 / 396	
Goodness-of-fit on F^2	1.013	
Final R indices [I>2σ (I)]	R1 = 0.0558, wR2 = 0.1135	
R indices (all data)	R1 = 0.1178, wR2 = 0.1406	
Largest diff. peak and hole	0.445 and -0.255 e.Å^{-3}	

X-Ray structure of compound 16



Identification code	ch_mm181	
Empirical formula	C25 H22 O2	
Formula weight	354.43	
Temperature	173(2) K	
Wavelength	0.71073 Å	
Crystal system	monoclinic	
Space group (H.-M.)	$P2_1/n$	
Space group (Hall)	-P 2yn	
Unit cell dimensions	a = 5.8177(4) Å	α = 90.00°
	b = 10.2341(6) Å	β = 94.982(2)°
	c = 31.4579(18) Å	γ = 90.00°
Volume	1865.9(2) $Å^3$	
Z	4	
Calculated density	1.262 mg/m^3	
Absorption coefficient	0.079 mm^{-1}	
F(000)	752	
Crystal size	0.57 x 0.16 x 0.15 mm^3	
Θ range for data collection	1.30 to 28.00°	
Index ranges	$-7 \le h \le 7, -13 \le k \le 13, -41 \le l \le 41$	
Reflections collected	24058	
Independent reflections	4514 [R(int) = 0.0339]	
Completeness to Θ = 28.00°	99.9%	
Absorption correction	Multi-scan	
Max. and min. transmission	0.9883 and 0.9566	
Refinement method	Full-matrix least-squares on F^2	
Data / restraints / parameters	3522 / 0 / 273	
Goodness-of-fit on F^2	1.017	
Final R indices [I>2σ (I)]	R1 = 0.0513, wR2 = 0.1247	
R indices (all data)	R1 = 0.0674, wR2 = 0.1374	
Largest diff. peak and hole	0.488 and -0.350 $e.Å^{-3}$	