

Supplementary Data for
Rate Constants for Cyclizations of α -Hydroxy Radical Clocks^{†‡}

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Table S1. Rate constants for cyclizations of radical **4a**.

Solvent	Temperature (°C) ^a	k_{obs} (10^7 s^{-1}) ^b
acetonitrile	−31.6	3.38 ± 0.04
	−31.1	3.33 ± 0.06
	−23.9	3.92 ± 0.06
	−22.2	4.09 ± 0.06
	−12.8	5.19 ± 0.05
	−12.7	5.13 ± 0.04
	−2.8	6.11 ± 0.08
	−2.2	6.17 ± 0.07
	7.2	6.88 ± 0.10
	7.0	6.89 ± 0.14
	17.3	8.34 ± 0.11
	17.8	8.68 ± 0.13
THF	−30.2	3.23 ± 0.09
	−21.4	3.98 ± 0.13
	−12.2	5.01 ± 0.11
	−1.7	6.08 ± 0.10
	9.1	7.02 ± 0.16
	19.7	8.52 ± 0.13

^a±0.2 °C. ^bErrors are 2 σ .

Table S2. Rate constants for cyclizations of radical **4b**.

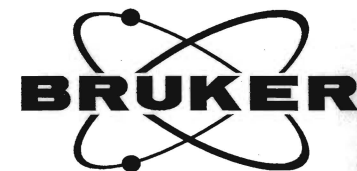
Solvent	Temperature (°C) ^a	k_{obs} (10^5 s^{-1}) ^b
acetonitrile	−19.8	1.35 ± 0.10
	−13.1	1.57 ± 0.12
	−3.1	2.08 ± 0.08
	8.2	2.78 ± 0.14
	20.0	3.89 ± 0.07
	29.1	4.59 ± 0.11
	38.6	6.30 ± 0.15
	48.1	8.22 ± 0.14
	57.6	10.1 ± 0.1
THF	−18.1	1.14 ± 0.11
	−10.7	1.39 ± 0.08
	−0.1	1.88 ± 0.06
	9.8	2.54 ± 0.07
	19.6	3.72 ± 0.09
	29.8	4.40 ± 0.04
	37.4	6.07 ± 0.04
	47.4	7.97 ± 0.03
	56.2	9.87 ± 0.07

^a±0.2 °C. ^bErrors are 2σ.

H1 standard parameter BBO probe

7.677
7.666
7.576
7.566
7.377
7.364
7.351
7.333
7.311
7.296
7.281
7.262
7.247
7.234
7.222
7.212
7.207
7.193
7.177
7.164
6.682
6.671
6.658
6.093
6.078
6.063

2.201
2.187
2.172
2.158
1.977
1.970
1.953
1.944
1.897
1.887
1.872
1.864
1.845
1.836
1.716
1.707
1.693
1.639
1.601
1.591
1.576
1.257
1.191
0.076
-0.000

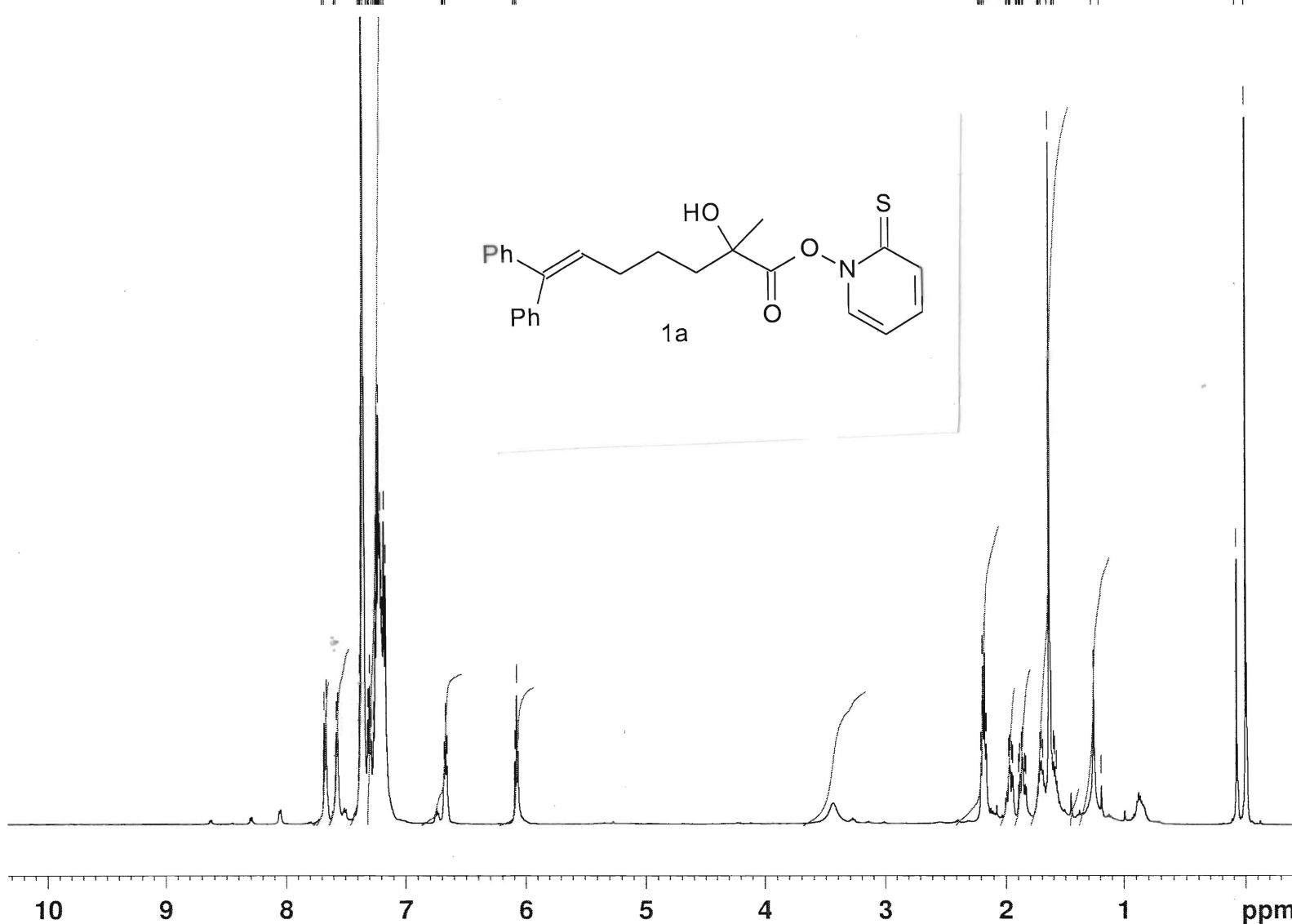
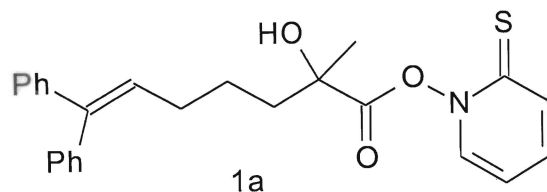


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NAME todayisapril22
EXPNO 1
PROCNO 3

F2 - Acquisition Parameters
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Time 14.38
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg
TD 32768
SOLVENT CDCl3
NS 23
DS 2
SWH 6009.615 Hz
FIDRES 0.183399 Hz
AQ 2.7264309 sec
RG 80.6
DW 83.200 use
DE 6.00 use
TE 300.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 3.50 use
PL1 -2.00 dB
SFO1 500.6427535 MHz

F2 - Processing parameters
SI 32768
SF 500.6400249 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

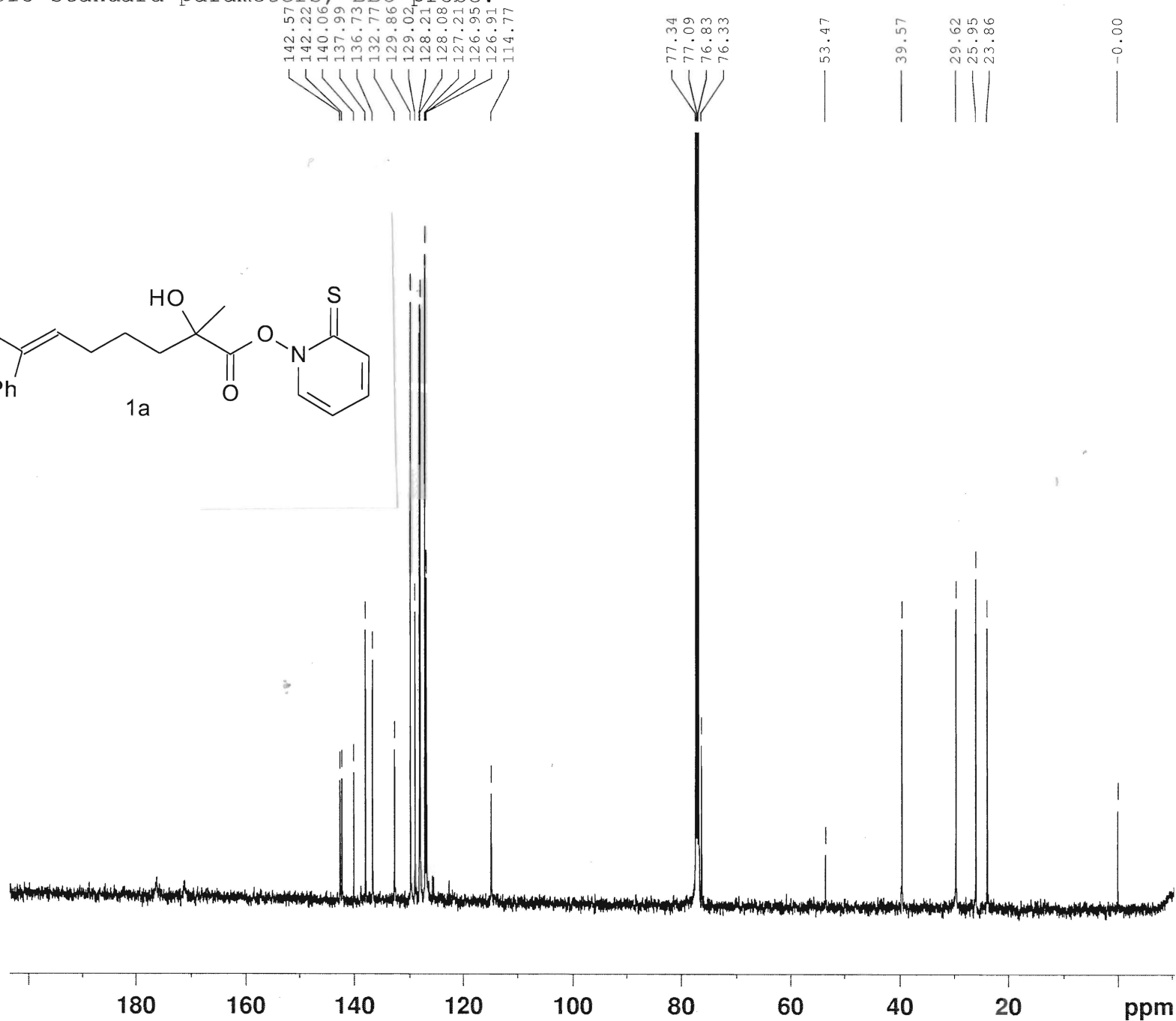
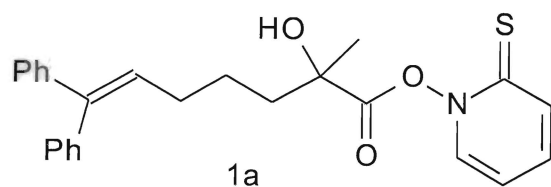


0.02
1.04
1.28
9.37
9.48
1.10
1.00

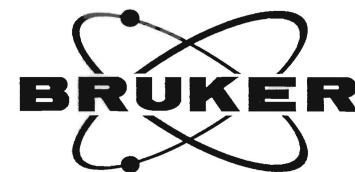
0.97

2.17
1.00
1.13
5.22
0.27
1.94

C13 standard parameters, BBO probe.



S4



Current Data Parameters
NAME todayisapril21
EXPNO 2
PROCNO 3

F2 - Acquisition Parameters
Date_ 20090421
Time 18.04
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg
TD 32768
SOLVENT CDC13
NS 256
DS 2
SWH 30303.031 Hz
FIDRES 0.924775 Hz
AQ 0.5407385 sec
RG 2896.3
DW 16.500 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

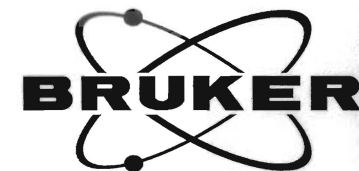
===== CHANNEL f1 =====
NUC1 13C
P1 2.70 usec
PL1 1.00 dB
SFO1 125.8998755 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 83.00 usec
PL2 -2.00 dB
PL12 15.40 dB
PL13 20.00 dB
SFO2 500.6422529 MHz

F2 - Processing parameters
SI 16384
SF 125.8860334 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.00

H1 standard parameters BBO probe

7.671	7.668	7.654	7.651	7.566	7.557	7.377	7.366	7.348	7.318	7.295	7.285	7.265	7.253	7.251	7.241	7.236	7.221	7.207	7.204	7.193	7.190	7.173	7.170	7.156	6.633	6.630	6.619	6.616	6.605	6.602	6.095	6.080	6.065	4.123	4.108	2.171	2.156	2.142	2.127	2.039	1.930	1.925	1.921	1.907	1.898	1.855	1.847	1.831	1.823	1.631	1.568	1.554	1.544	1.528	1.515	1.501	1.486	1.472	1.433	1.419	1.410	1.267	1.253	1.238	0.931	-0.000
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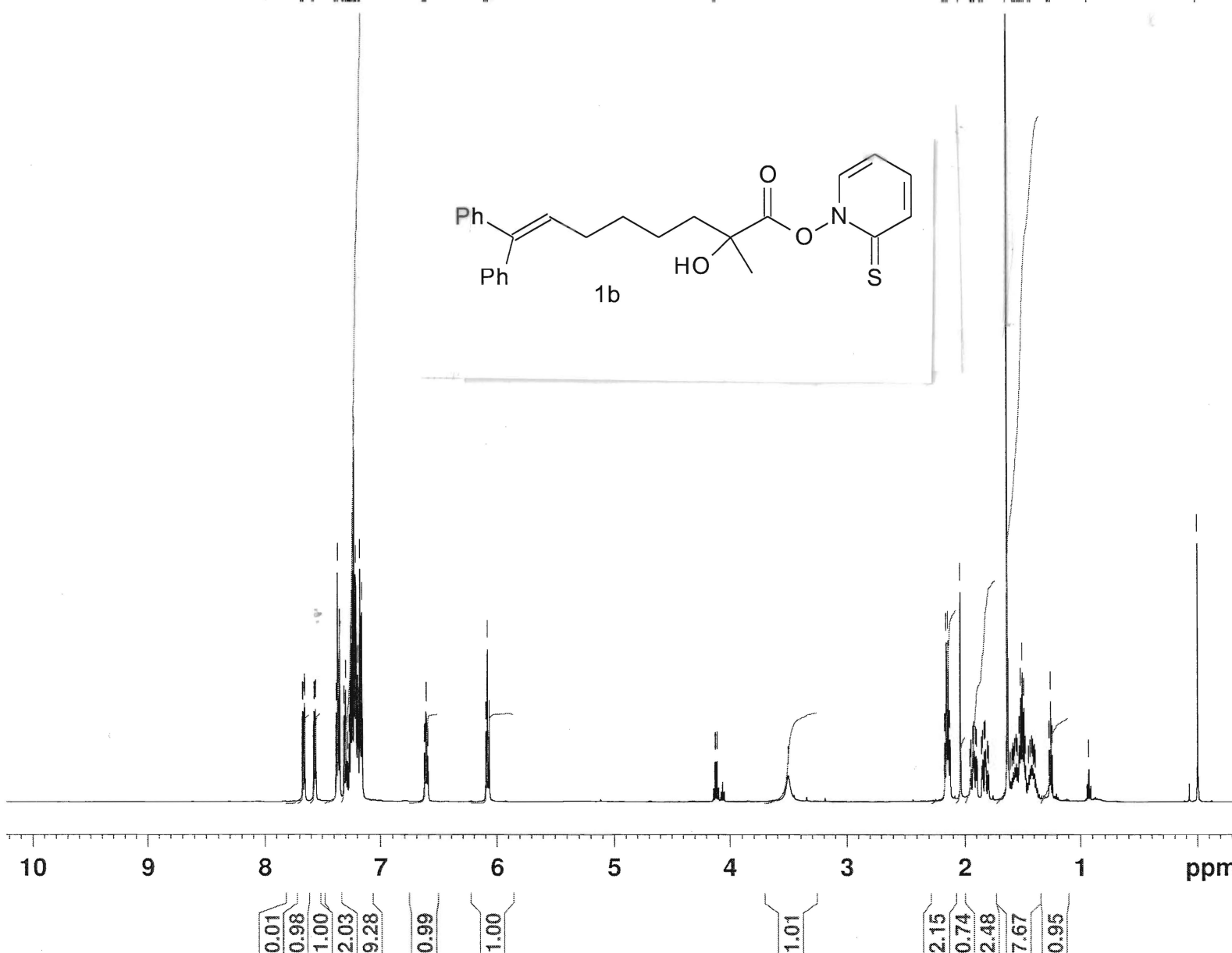
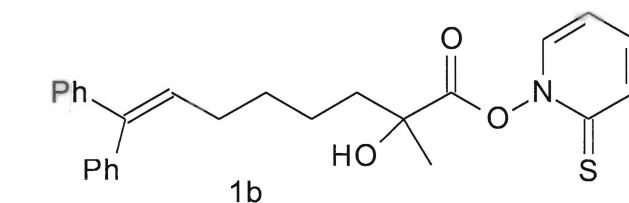


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NAME 6erxoptoc
EXPNO 1
PROCNO 3

F2 - Acquisition Parameters
Date_ 20090811
Time 12.19
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg
TD 32768
SOLVENT CDCl3
NS 32
DS 2
SWH 6009.615 Hz
FIDRES 0.183399 Hz
AQ 2.7264309 sec
RG 80.6
DW 83.200 use
DE 6.00 use
TE 300.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 3.50 use
PL1 -2.00 dB
SFO1 500.6427535 MHz

F2 - Processing parameters
SI 32768
SF 500.6400165 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



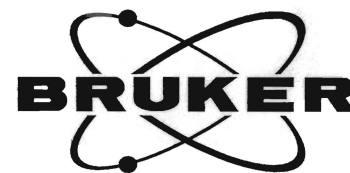
C13 standard parameters, BBO probe.

175.35
172.11
142.64
141.87
140.12
137.84
136.84
132.88
129.88
129.52
128.19
128.09
127.17
126.90
126.84
114.27

77.31
77.06
76.80
76.24
64.37
60.40

39.80
30.62
29.87
29.48
26.05
23.20
21.05
14.19

-0.00



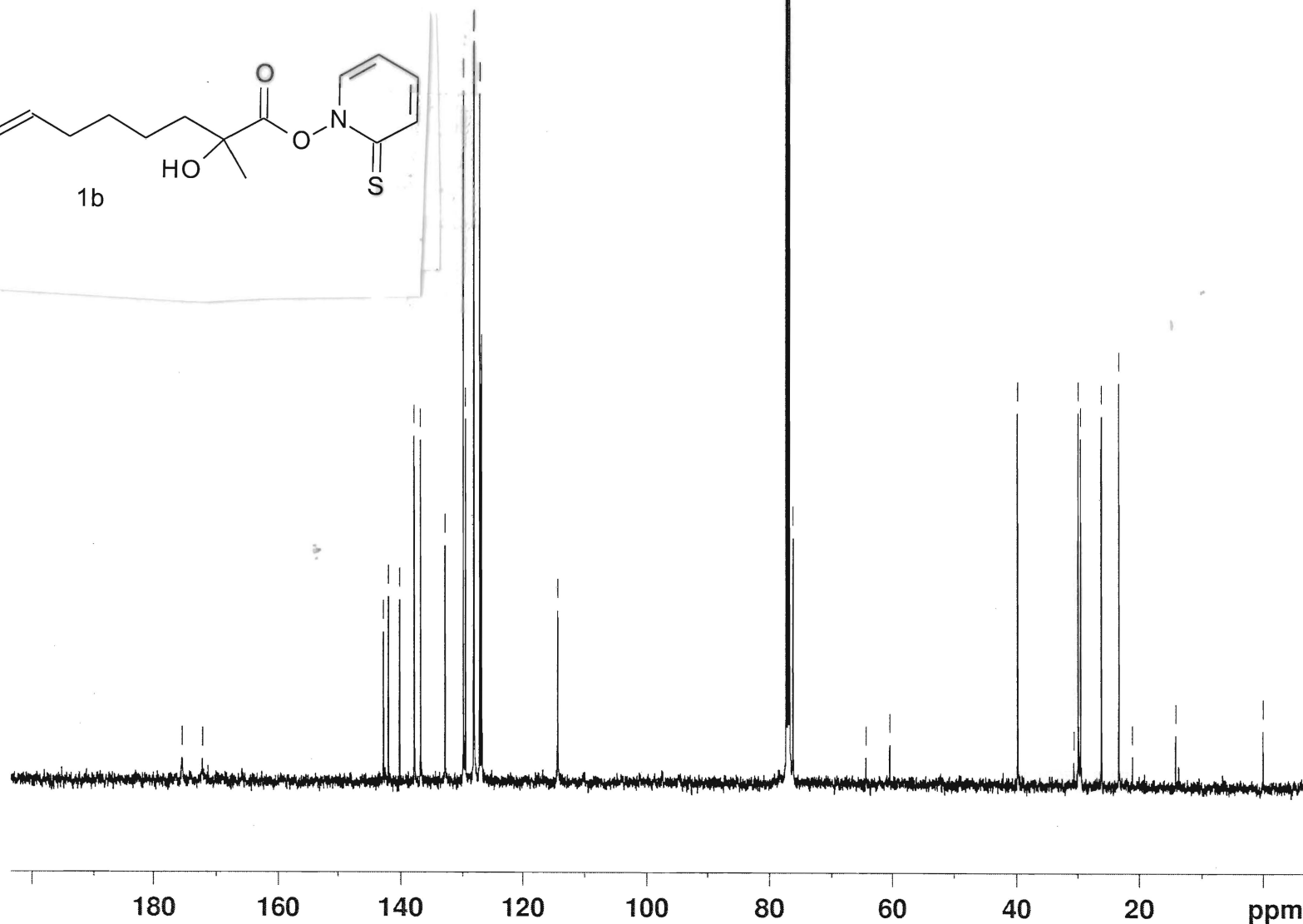
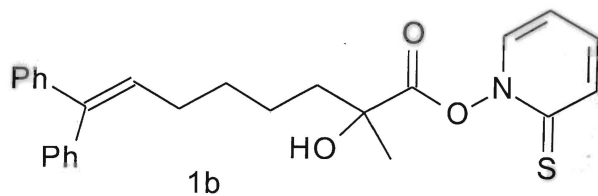
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NAME 6erxoptoc
EXPNO 2
PROCNO 3

F2 - Acquisition Parameters
Date_ 20090811
Time 12.25
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg
TD 32768
SOLVENT CDC13
NS 385
DS 2
SWH 30303.031 Hz
FIDRES 0.924775 Hz
AQ 0.5407385 sec
RG 16384
DW 16.500 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 2.70 usec
PL1 1.00 dB
SFO1 125.8998755 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 83.00 usec
PL2 -2.00 dB
PL12 15.40 dB
PL13 20.00 dB
SFO2 500.6422529 MHz

F2 - Processing parameters
SI 16384
SF 125.8860334 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.00



No title

7.387
7.385
7.382
7.371
7.369
7.359
7.356
7.326
7.323
7.320
7.313
7.308
7.280
7.278
7.274
7.266
7.263
7.259
7.249
7.229
7.224
7.223
7.217
7.212
7.209
7.206
7.202
7.169
7.166
7.162
7.153
6.063
6.049
6.034

2.171
2.157
2.142
2.128
1.733
1.724
1.719
1.711
1.709
1.700
1.696
1.688
1.669
1.665
1.650
1.585
1.566
1.458
1.420
1.266
0.016
0.010
0.003

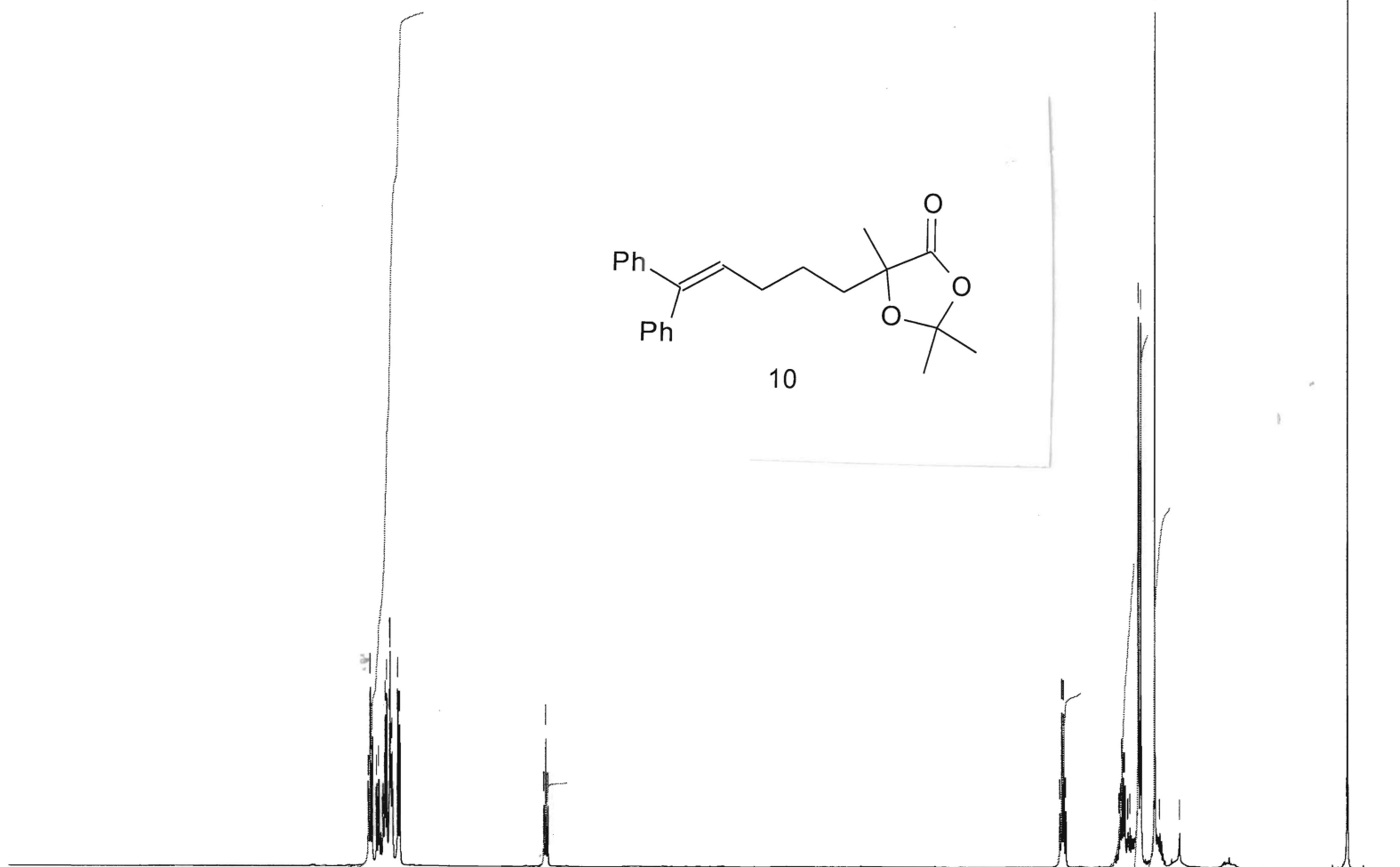
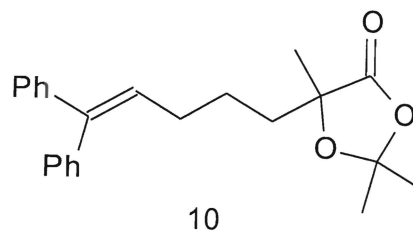


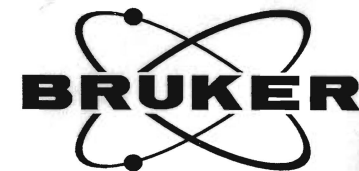
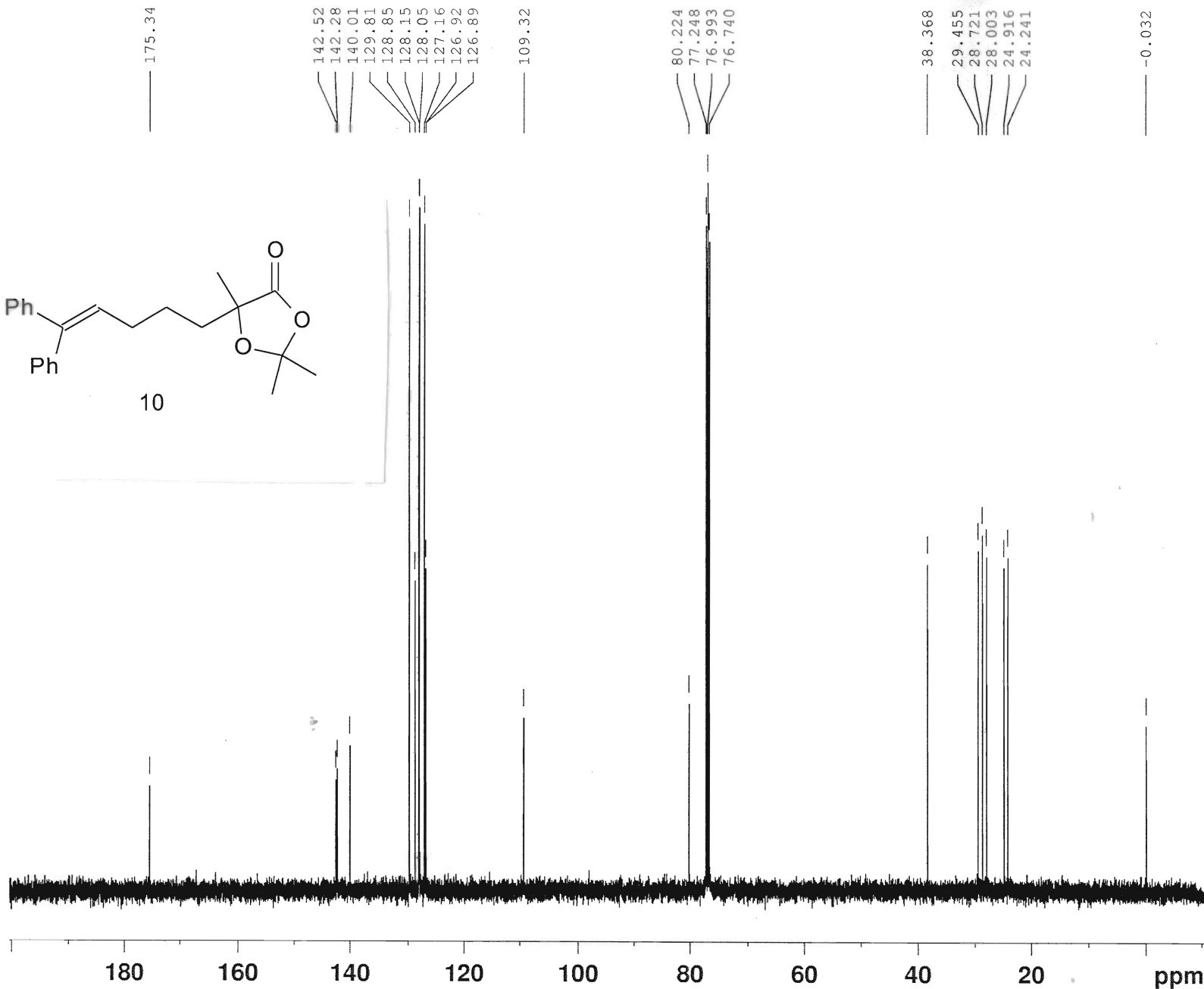
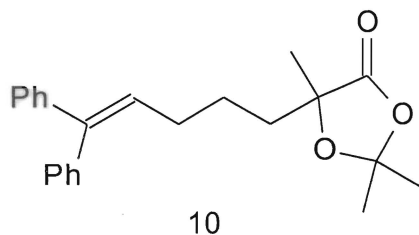
Current Data Parameters
NAME alkprod
EXPNO 1
PROCNO 3

F2 - Acquisition Parameters
Date_ 20090323
Time 12.21
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg
TD 32768
SOLVENT CDC13
NS 32
DS 2
SWH 6009.615 Hz
FIDRES 0.183399 Hz
AQ 2.7264309 sec
RG 101.6
DW 83.200 use
DE 6.00 use
TE 300.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 3.50 use
PL1 -2.00 dB
SFO1 500.6427535 MHz

F2 - Processing parameters
SI 32768
SF 500.6400128 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





Current Data Parameters
NAME alkprod
EXPNO 2
PROCNO 3

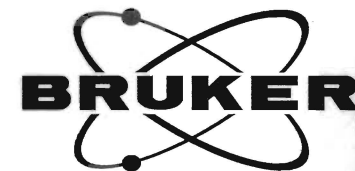
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Date_ 20090323
Time 12.28
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg
TD 32768
SOLVENT CDC13
NS 109
DS 2
SWH 30303.031 Hz
FIDRES 0.924775 Hz
AQ 0.5407385 sec
RG 16384
DW 16.500 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 2.70 usec
PL1 1.00 dB
SFO1 125.8998755 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 83.00 usec
PL2 -2.00 dB
PL12 15.40 dB
PL13 20.00 dB
SFO2 500.6422529 MHz

F2 - Processing parameters
SI 32768
SF 125.8860355 MHz
WDW EM
SSB 0
LB 0.60 Hz
GB 0
PC 1.00

H1 standard parameter BBO probe

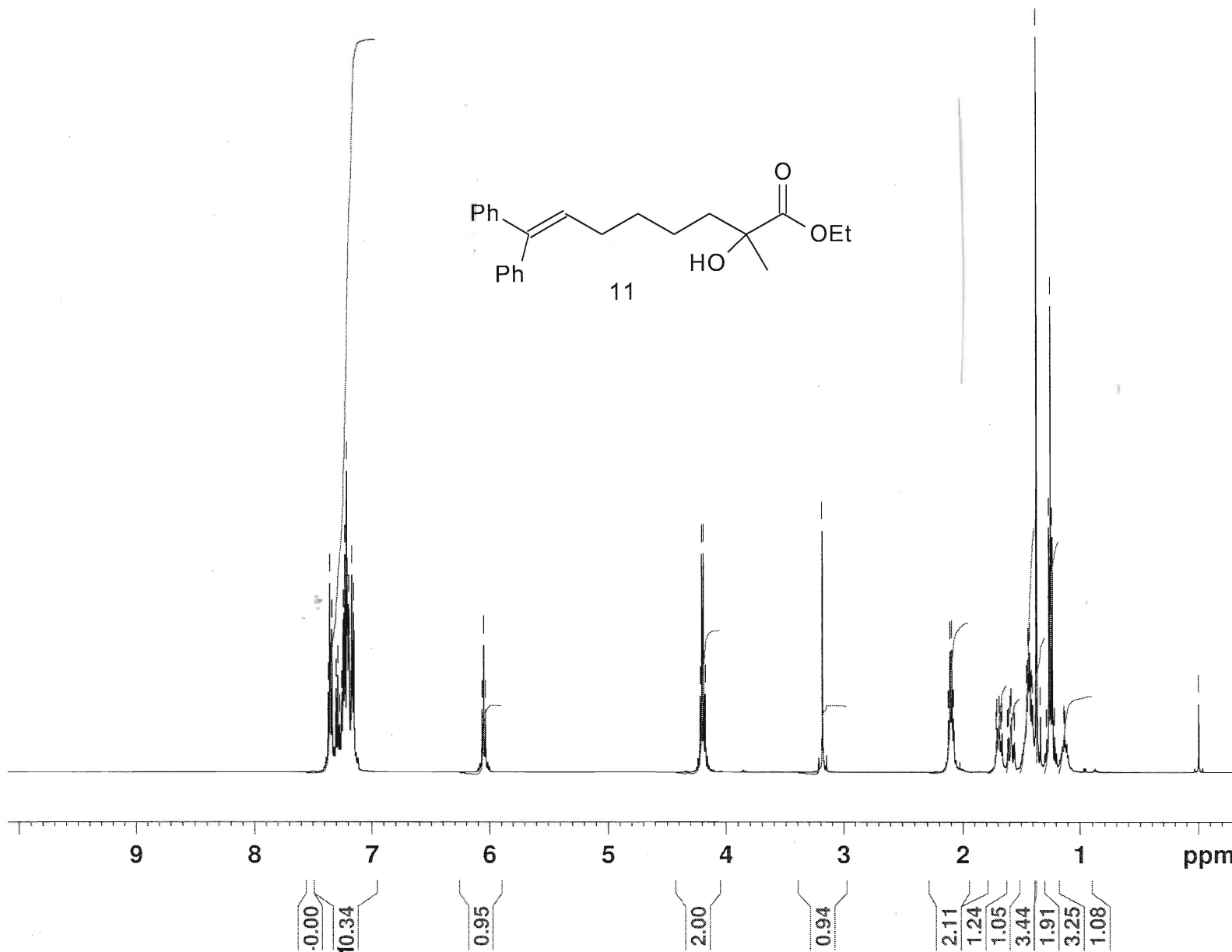
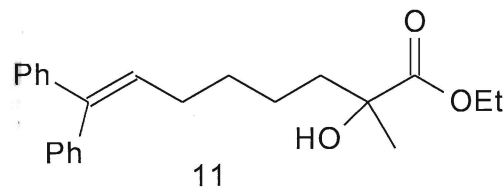


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NAME alphahydroxyester
EXPNO 1
PROCNO 3

F2 - Acquisition Parameters
Date_ 20100411
Time 17.42
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg
TD 32768
SOLVENT CDCl3
NS 16
DS 2
SWH 6009.615 Hz
FIDRES 0.183399 Hz
AQ 2.7264309 sec
RG 32
DW 83.200 use
DE 6.00 use
TE 300.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 3.50 use
PL1 -2.00 dB
SFO1 500.6427535 MHz

F2 - Processing parameters
SI 32768
SF 500.6400308 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



C13 standard parameters, BBO probe.

177.21

142.75
141.71
140.19
129.88
129.68
128.10
128.03
127.16
126.84
126.77

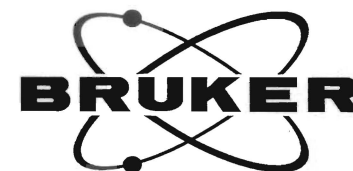
77.31
77.05
76.80
74.37

61.74

39.92

29.98
29.57
26.07
23.30

14.19



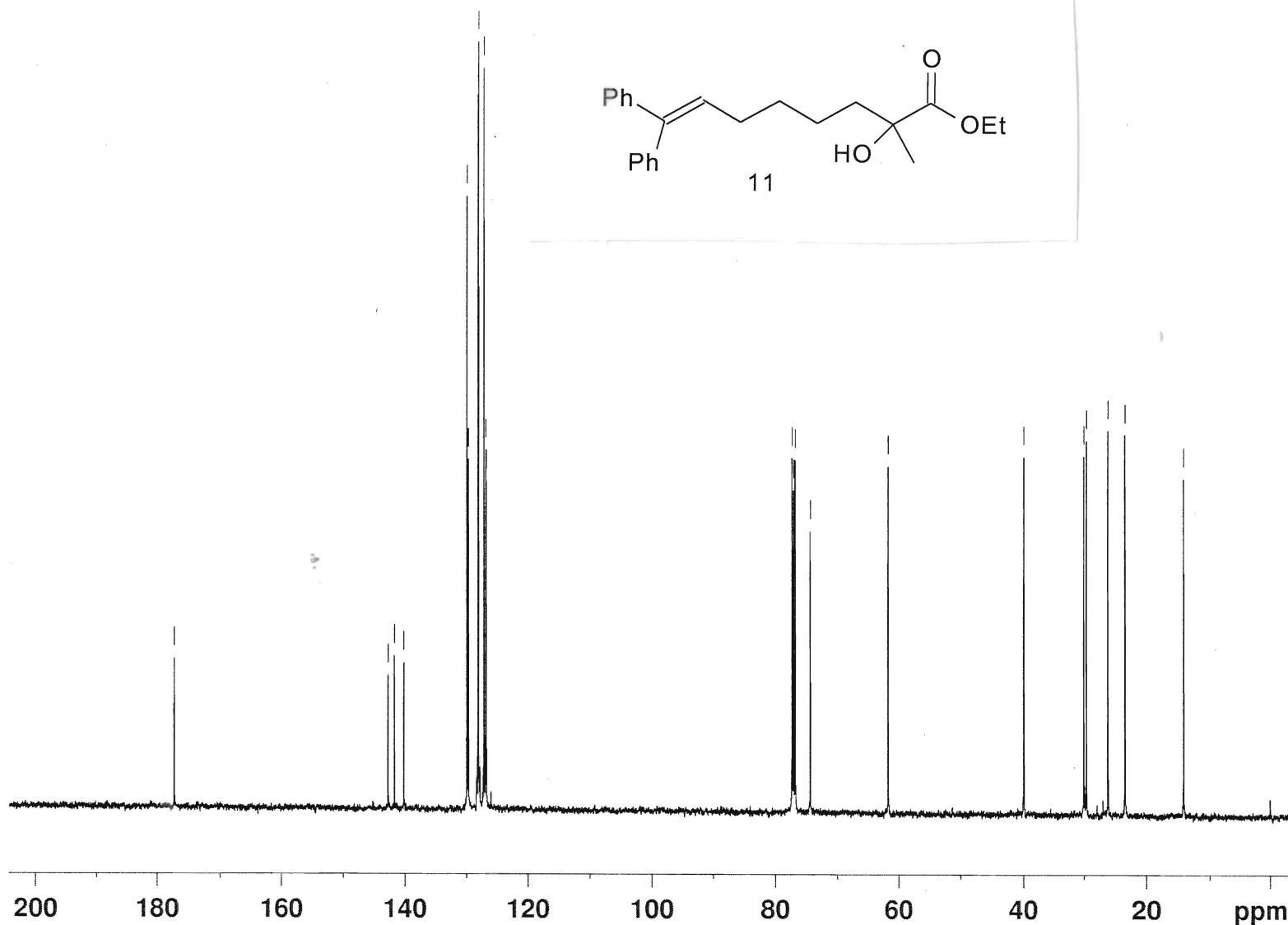
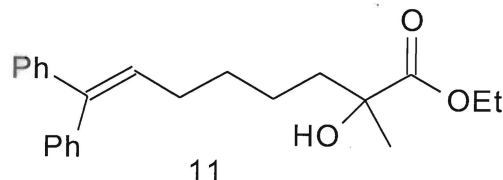
Current Data Parameters
NAME alphahydroxyester
EXPNO 2
PROCNO 3

F2 - Acquisition Parameters
Date_ 20100411
Time 17.51
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg
TD 32768
SOLVENT CDC13
NS 222
DS 2
SWH 30303.031 Hz
FIDRES 0.924775 Hz
AQ 0.5407385 sec
RG 2580.3
DW 16.500 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 2.70 usec
PL1 1.00 dB
SFO1 125.8998755 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 83.00 usec
PL2 -2.00 dB
PL12 15.40 dB
PL13 20.00 dB
SFO2 500.6422529 MHz

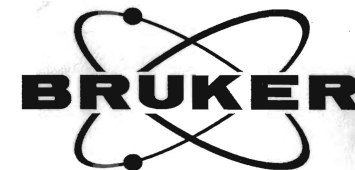
F2 - Processing parameters
SI 16384
SF 125.8860371 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.00



H1 standard parameter BBO probe

7.366
7.361
7.351
7.336
7.300
7.290
7.288
7.281
7.276
7.274
7.251
7.251
7.241
7.237
7.226
7.209
7.206
7.201
7.196
7.191
7.184
7.156
7.154
7.140
6.055
6.040
6.026

2.153
2.138
2.123
2.109
1.791
1.784
1.766
1.756
1.695
1.679
1.671
1.659
1.650
1.642
1.632
1.446
1.396
1.381
1.371
0.006
0.000
-0.006

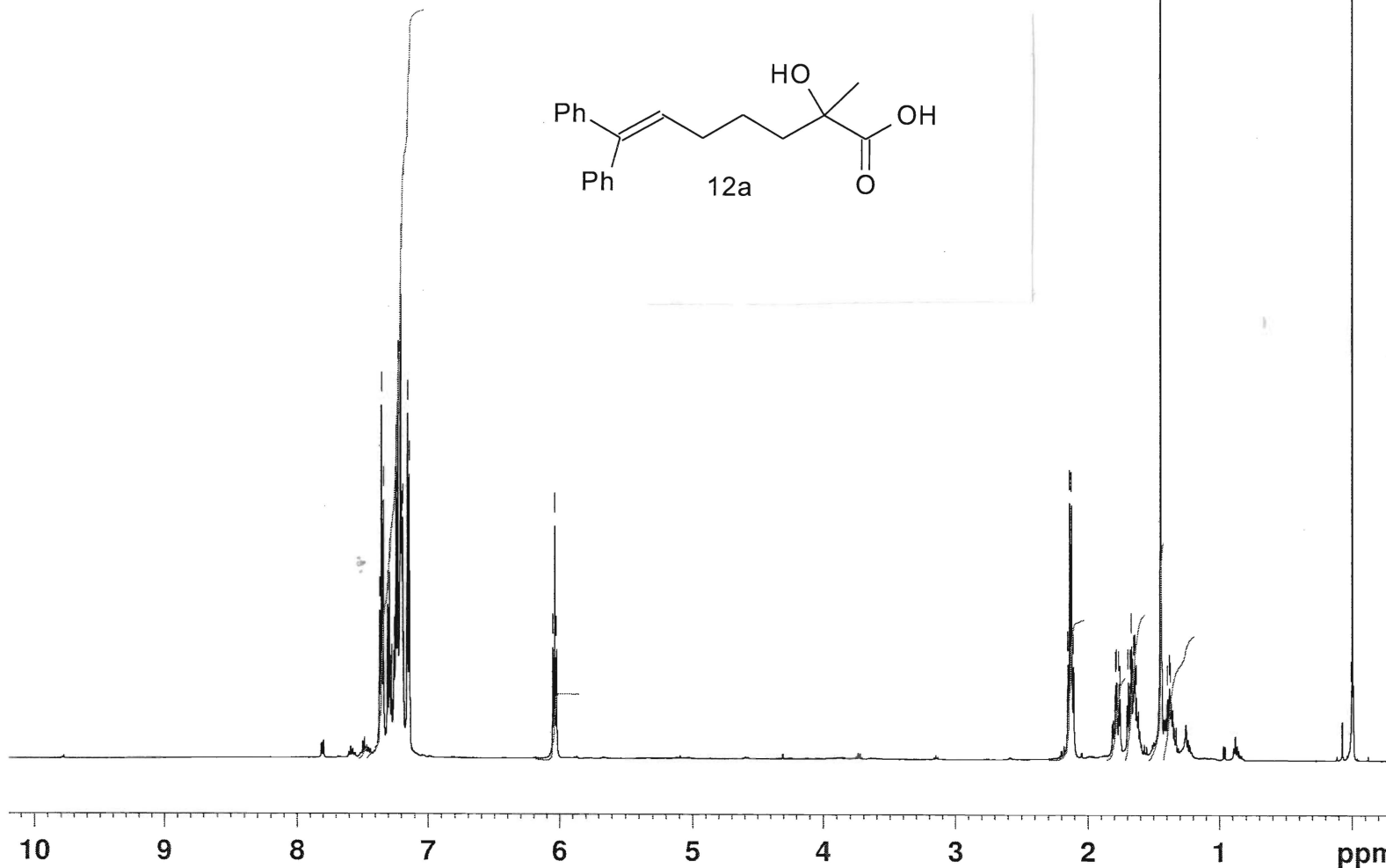
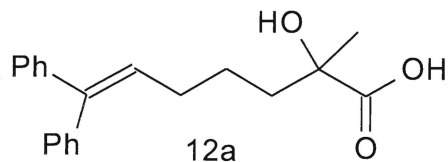


Current Data Parameters
NAME todayisaprill17
EXPNO 1
PROCNO 3

F2 - Acquisition Parameters
Date_ 20090417
Time 11.48
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg
TD 32768
SOLVENT CDCl3
NS 32
DS 2
SWH 6009.615 Hz
FIDRES 0.183399 Hz
AQ 2.7264309 sec
RG 90.5
DW 83.200 use
DE 6.00 use
TE 300.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 3.50 use
PL1 -2.00 dB
SFO1 500.6427535 MHz

F2 - Processing parameters
SI 32768
SF 500.6400220 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

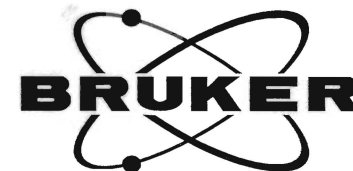
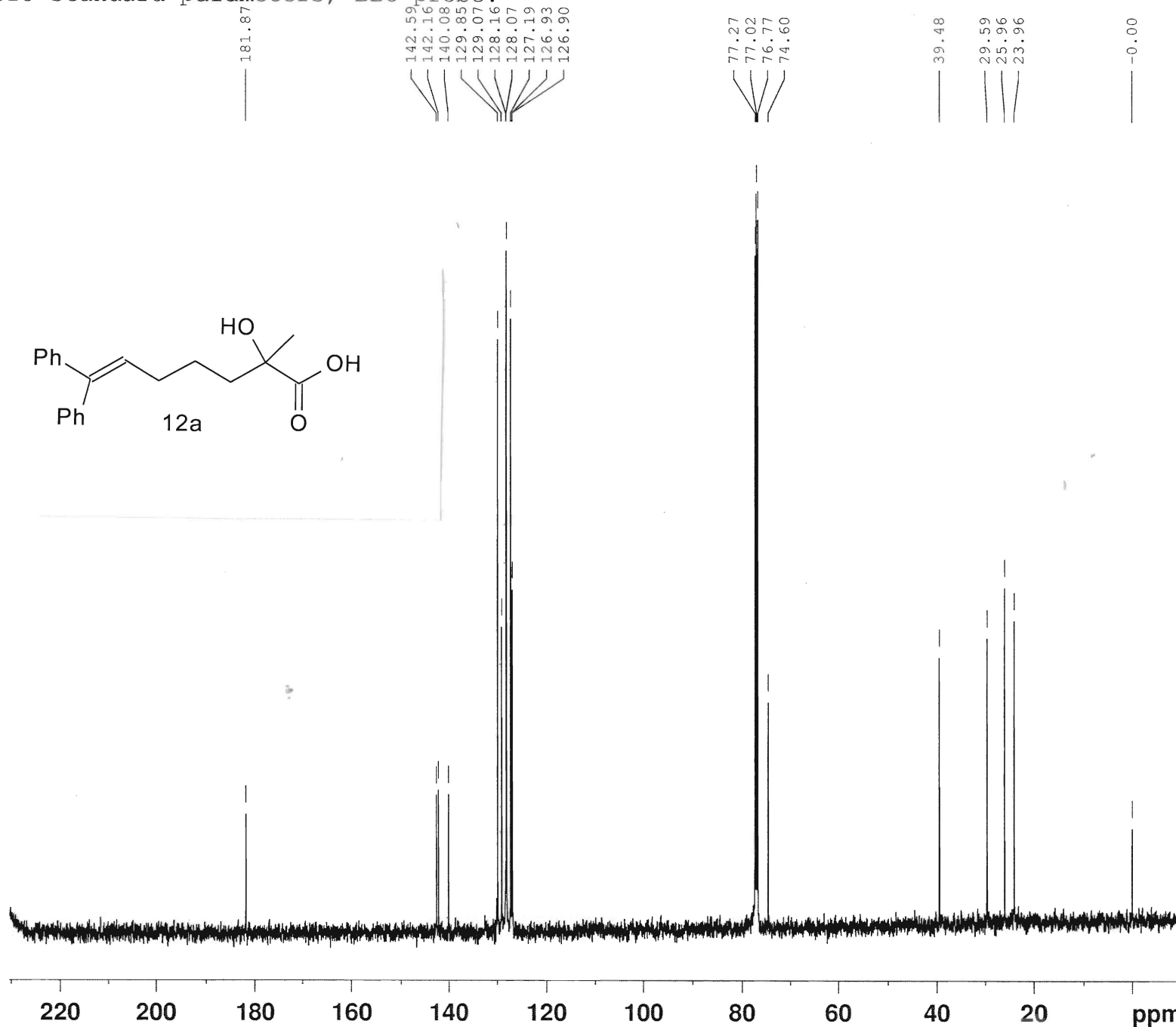
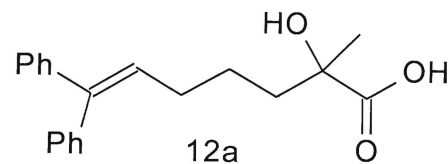


0.17
1.52

1.00

2.15
1.27
2.24
3.34
1.90

C13 standard parameters, BBO probe.



Current Data Parameters
NAME todayisaprill17
EXPNO 2
PROCNO 3

F2 - Acquisition Parameters
Date_ 20090417
Time 11.57
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg
TD 32768
SOLVENT CDC13
NS 128
DS 2
SWH 30303.031 Hz
FIDRES 0.924775 Hz
AQ 0.5407385 sec
RG 2298.8
DW 16.500 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 2.70 usec
PL1 1.00 dB
SFO1 125.8998755 MHz

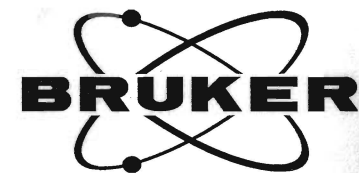
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 83.00 usec
PL2 -2.00 dB
PL12 15.40 dB
PL13 20.00 dB
SFO2 500.6422529 MHz

F2 - Processing parameters
SI 16384
SF 125.8860334 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.00

H1 standard parameters, BBO probe.

7.359
7.345
7.330
7.294
7.279
7.264
7.250
7.235
7.221
7.205
7.190
7.171
7.161
7.159
7.145
6.058
6.043
6.029

2.128
2.114
2.099
2.085
1.730
1.716
1.706
1.645
1.619
1.600
1.591
1.495
1.480
1.445
1.433
1.415
1.259
1.241
1.230
1.217
0.881
0.000

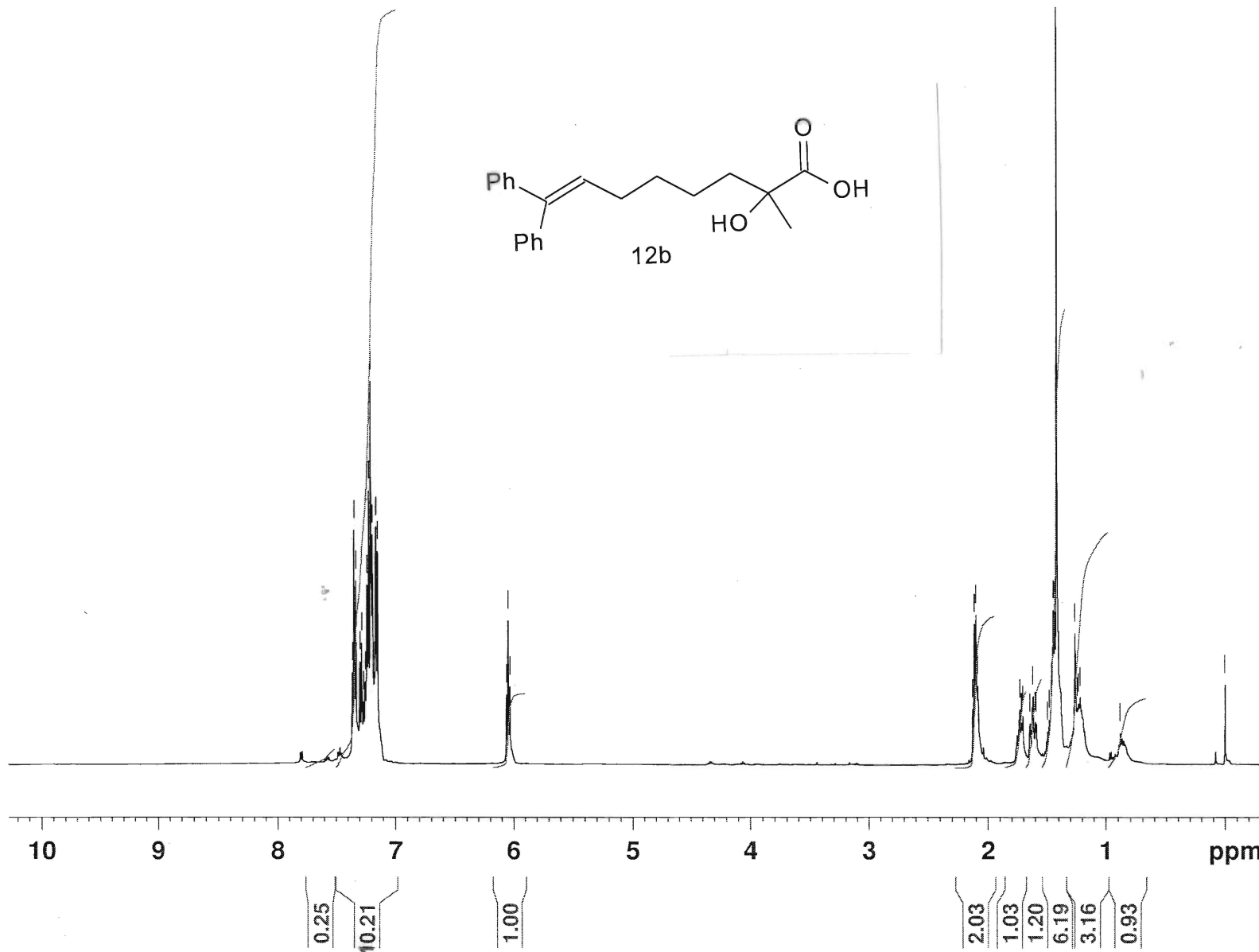
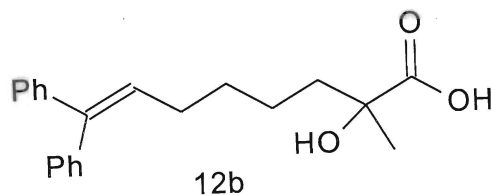


Current Data Parameters
NAME 6erxoacid
EXPNO 1
PROCNO 3

F2 - Acquisition Parameters
Date_ 20090810
Time 12.59
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg
TD 32768
SOLVENT CDCl3
NS 16
DS 2
SWH 6009.615 Hz
FIDRES 0.183399 Hz
AQ 2.7264309 sec
RG 32
DW 83.200 use
DE 6.00 use
TE 300.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 3.50 use
PL1 -2.00 dB
SFO1 500.6427535 MHz

F2 - Processing parameters
SI 32768
SF 500.6400319 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



C13 standard parameters, BBO probe.

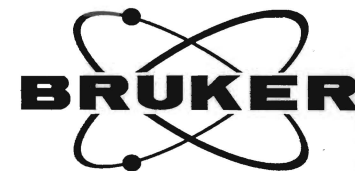
181.86

142.74
141.81
140.19
129.89
129.55
128.13
128.06
127.19
126.88
126.82

77.29
77.03
76.78
74.61

39.75

29.94
29.53
25.87
23.21



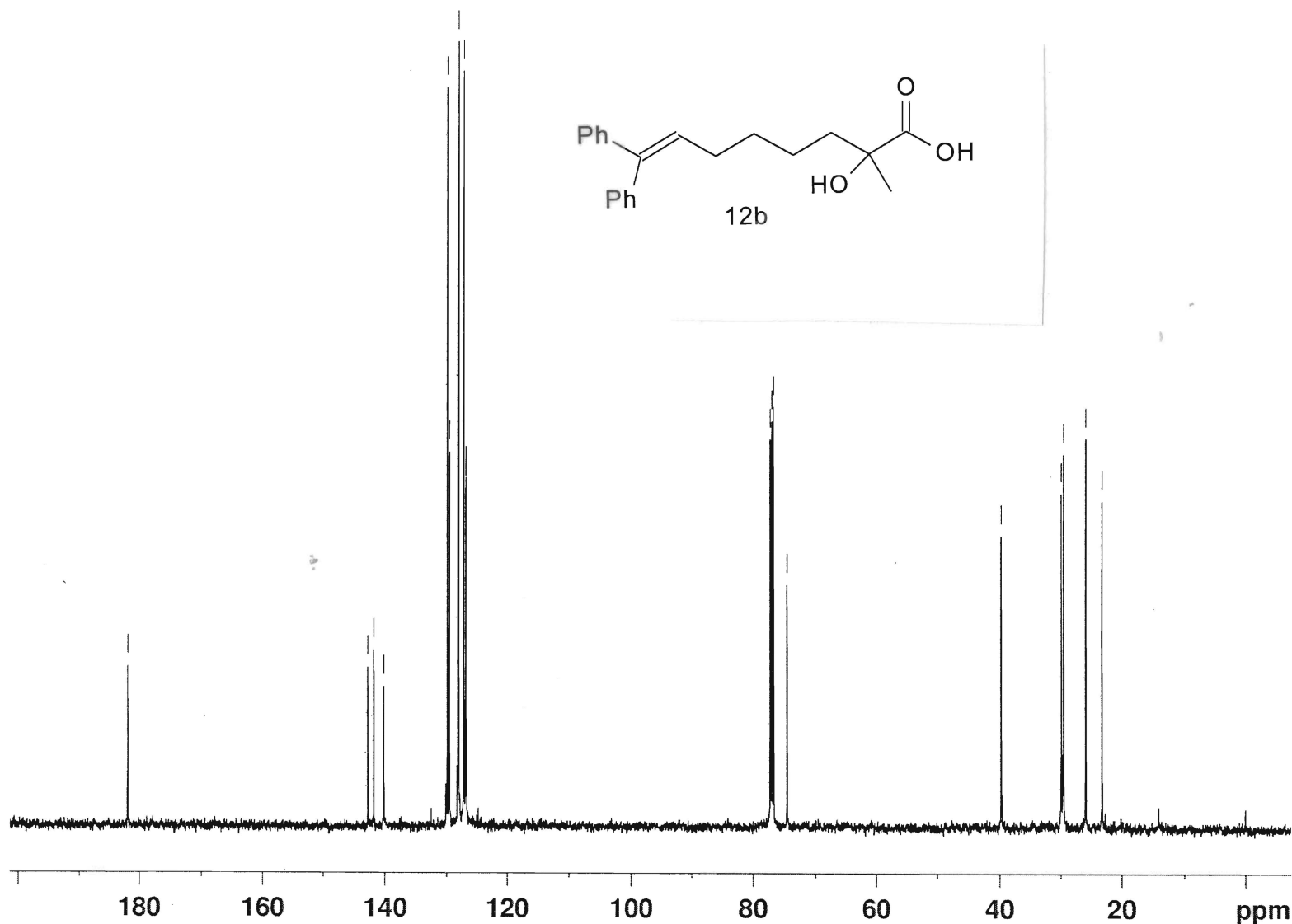
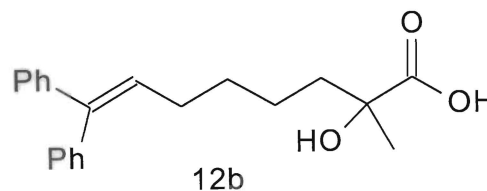
Current Data Parameters
NAME 6erxoacid
EXPNO 2
PROCNO 3

F2 - Acquisition Parameters
Date_ 20090810
Time 13.14
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg
TD 32768
SOLVENT CDC13
NS 226
DS 2
SWH 30303.031 Hz
FIDRES 0.924775 Hz
AQ 0.5407385 sec
RG 5160.6
DW 16.500 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 2.70 usec
PL1 1.00 dB
SFO1 125.8998755 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 83.00 usec
PL2 -2.00 dB
PL12 15.40 dB
PL13 20.00 dB
SFO2 500.6422529 MHz

F2 - Processing parameters
SI 16384
SF 125.8860353 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.00



S14

H1 standard parameters, BBO probe.

7.409
7.394
7.358
7.343
7.274
7.260
7.244
7.229
7.144
7.141
7.126

4.044
4.021

1.750
1.738
1.727

1.258

0.818

0.004

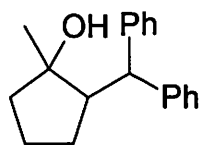


Current Data Parameters
NAME 0527tp3red
EXPNO 1
PROCNO 3

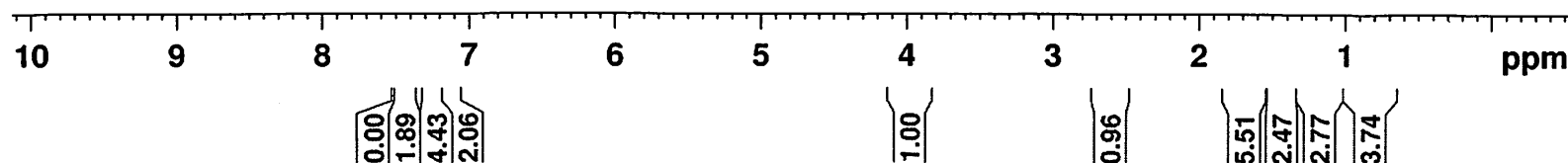
F2 - Acquisition Parameters
Date_ 20090527
Time 15.54
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg
TD 32768
SOLVENT CDCl3
NS 63
DS 2
SWH 6009.615 Hz
FIDRES 0.183399 Hz
AQ 2.7264309 sec
RG 228.1
DW 83.200 use
DE 6.00 use
TE 300.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 3.50 use
PL1 -2.00 dB
SFO1 500.6427535 MHz

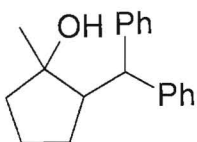
F2 - Processing parameters
SI 32768
SF 500.6400128 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



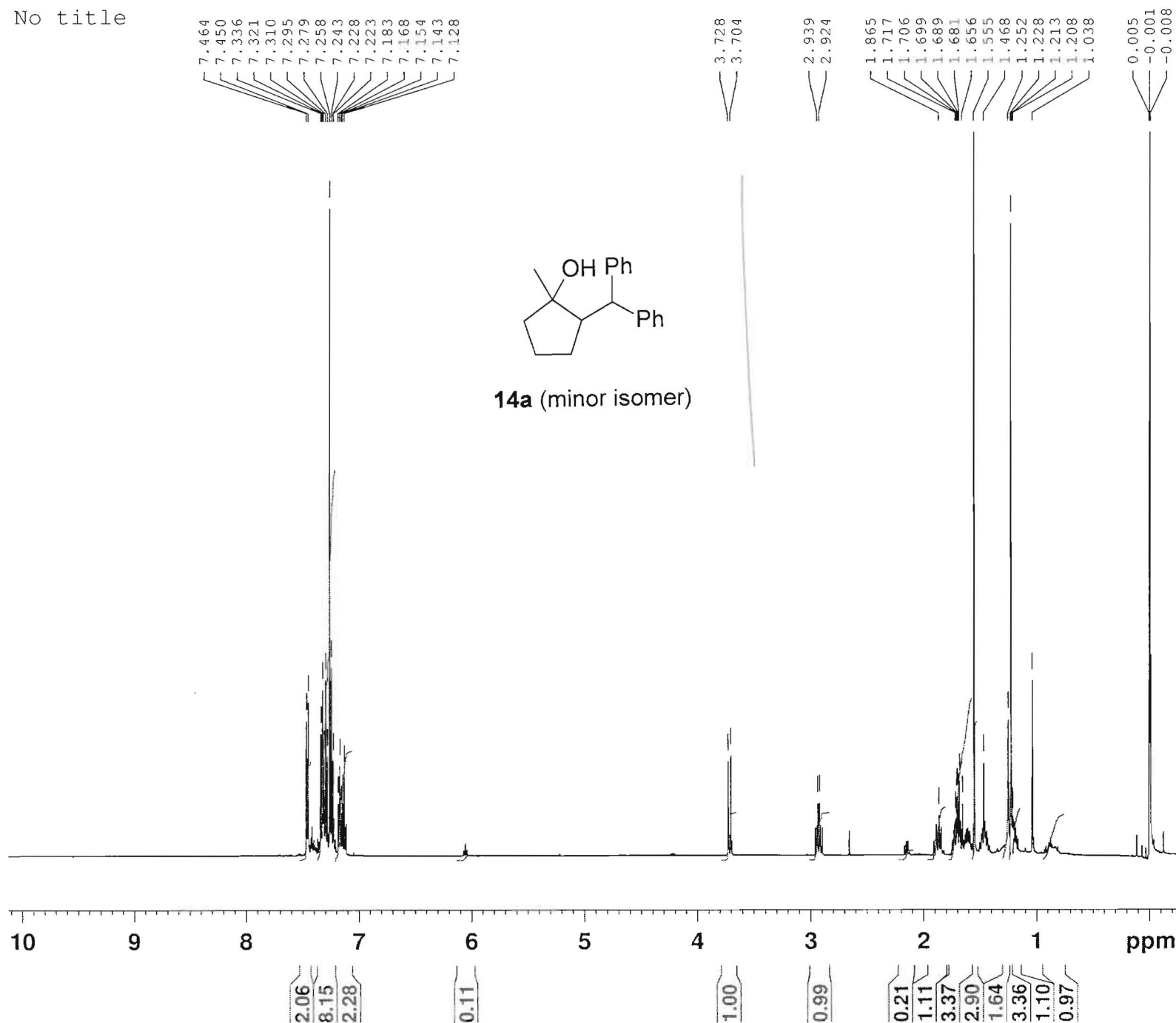
14a (major isomer)



No title



14a (minor isomer)



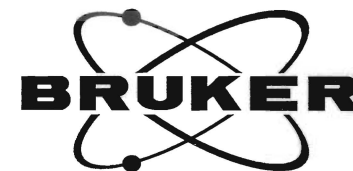
Current Data Parameters
NAME tpwhite
EXPNO 1
PROCNO 3

F2 - Acquisition Parameters
Date_ 20090521
Time 12.07
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg
TD 32768
SOLVENT CDCl3
NS 8
DS 2
SWH 6009.615 Hz
FIDRES 0.183399 Hz
AQ 2.7264309 sec
RG 362
DW 83.200 use
DE 6.00 use
TE 300.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 3.50 use
PL1 -2.00 dB
SFO1 500.6427535 MHz

F2 - Processing parameters
SI 32768
SF 500.6400139 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

C13 standard parameters, BBO probe.



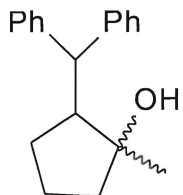
Current Data Parameters
 NAME cbd032810-black
 EXPNO 1
 PROCNO 3

F2 - Acquisition Parameters
 Date_ 20100328
 Time 17.43
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zgpg
 TD 32768
 SOLVENT CDC13
 NS 626
 DS 2
 SWH 30303.031 Hz
 FIDRES 0.924775 Hz
 AQ 0.5407385 sec
 RG 16384
 DW 16.500 usec
 DE 6.00 usec
 TE 300.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 DELTA 1.89999998 sec
 MCREST 0.00000000 sec
 MCWRK 0.01500000 sec

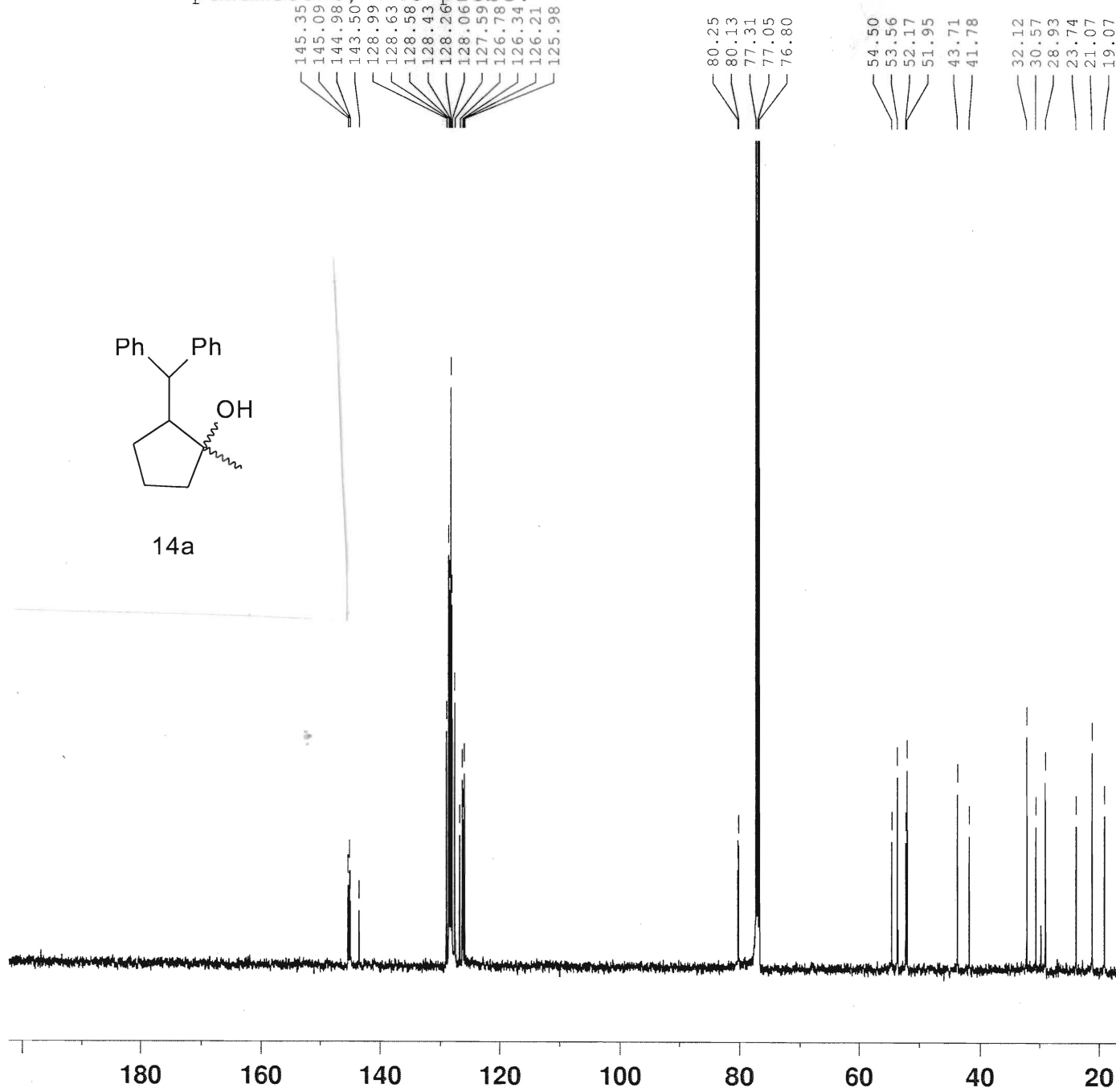
===== CHANNEL f1 =====
 NUC1 13C
 P1 2.70 usec
 PL1 1.00 dB
 SFO1 125.8998755 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 83.00 usec
 PL2 -2.00 dB
 PL12 15.40 dB
 PL13 20.00 dB
 SFO2 500.6422529 MHz

F2 - Processing parameters
 SI 16384
 SF 125.8860280 MHz
 WDW EM
 SSB 0
 LB 3.00 Hz
 GB 0
 PC 1.00



14a



H1 standard parameter BBO probe.

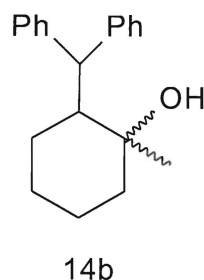


Current Data Parameters
 NAME 041510cycle3
 EXPNO 1
 PROCNO 3

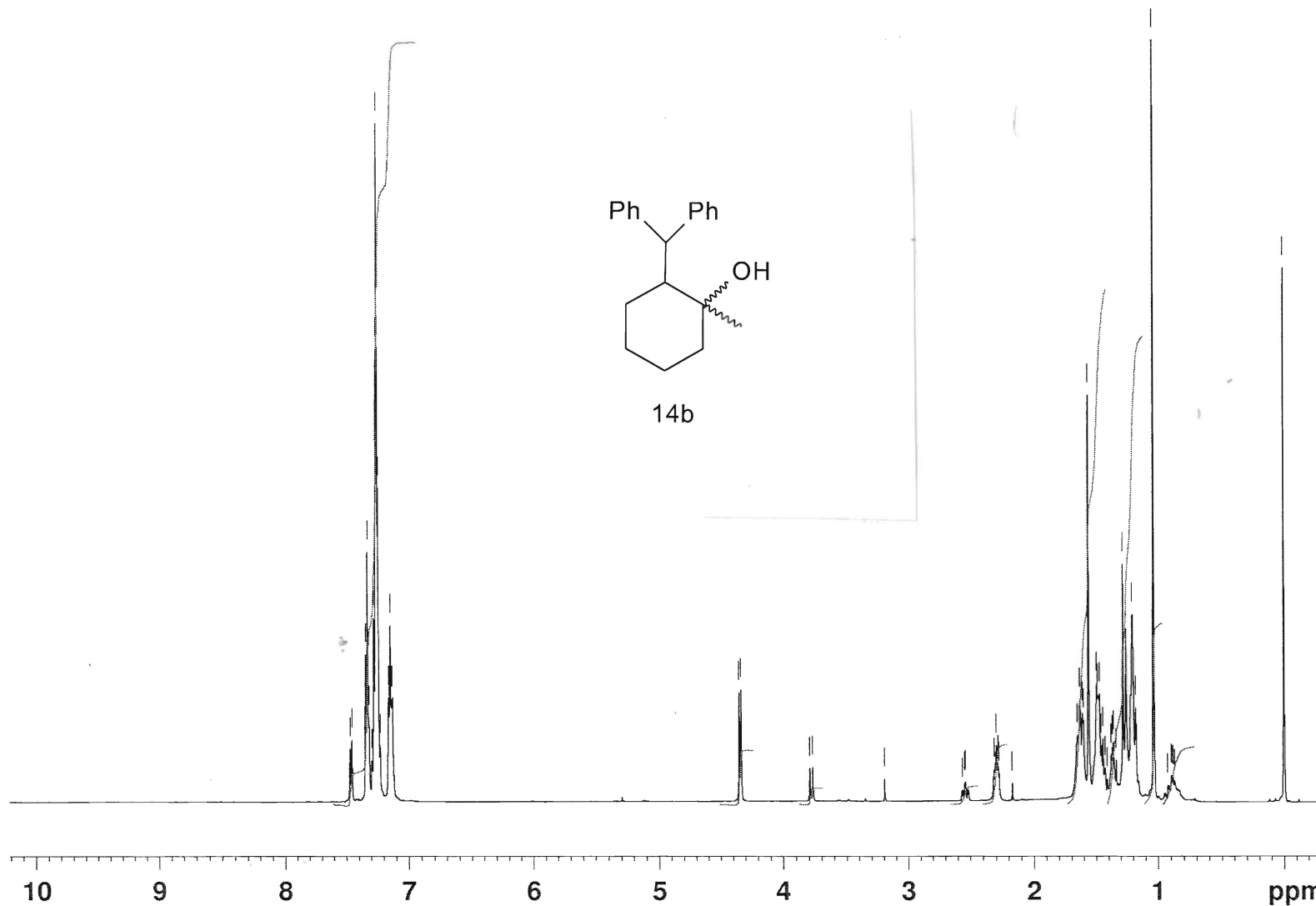
F2 - Acquisition Parameters
 Date_ 20100416
 Time 0.30
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zg
 TD 32768
 SOLVENT CDC13
 NS 131
 DS 2
 SWH 6009.615 Hz
 FIDRES 0.183399 Hz
 AQ 2.7264309 sec
 RG 256
 DW 83.200 use
 DE 6.00 use
 TE 300.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWRK 0.01500000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 3.50 use
 PL1 -2.00 dB
 SFO1 500.6427535 MHz

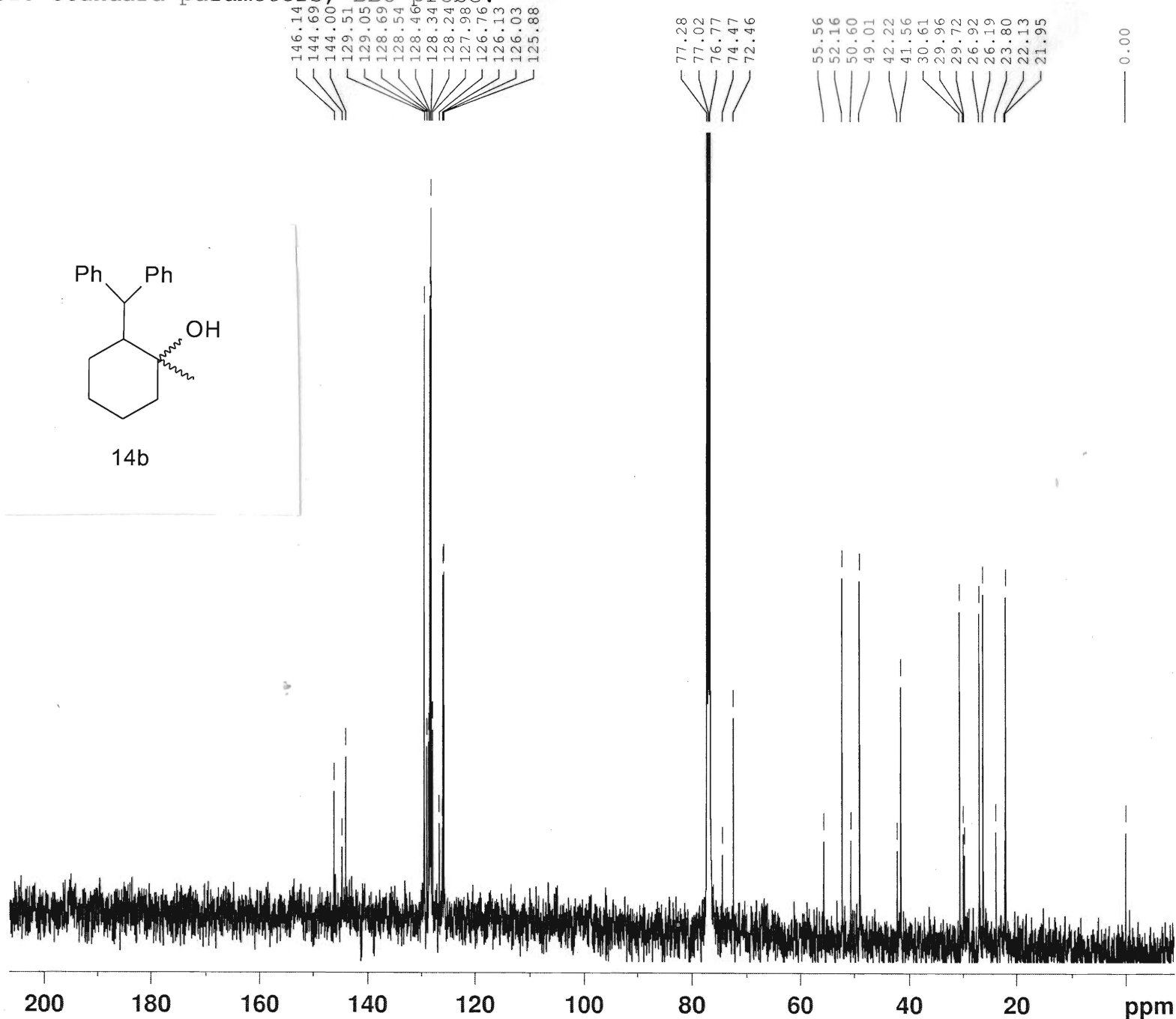
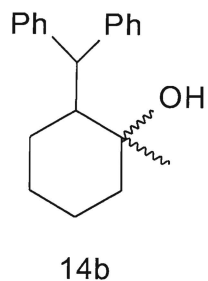
F2 - Processing parameters
 SI 32768
 SF 500.6400128 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



4.353
 4.338
 3.795
 3.773
 3.197
 2.563
 2.546
 2.540
 2.315
 2.299
 2.284
 2.277
 2.174
 1.653
 1.634
 1.613
 1.605
 1.565
 1.497
 1.491
 1.475
 1.460
 1.447
 1.429
 1.413
 1.380
 1.368
 1.361
 1.339
 1.284
 1.258
 1.208



C13 standard parameters, BBO probe.



Current Data Parameters
NAME 041510cycle3
EXPNO 2
PROCNO 3

F2 - Acquisition Parameters
Date_ 20100416
Time 1.02
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg
TD 32768
SOLVENT CDC13
NS 715
DS 2
SWH 30303.031 Hz
FIDRES 0.924775 Hz
AQ 0.5407385 sec
RG 5160.6
DW 16.500 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
D11 0.03000000 sec
DELTA 1.89999998 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 2.70 usec
PL1 1.00 dB
SFO1 125.8998755 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 83.00 usec
PL2 -2.00 dB
PL12 15.40 dB
PL13 20.00 dB
SFO2 500.6422529 MHz

F2 - Processing parameters
SI 16384
SF 125.8860280 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.00