

Current Data Parameters
 NAME nkt-ligand-1
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20150920
 Time 10.33

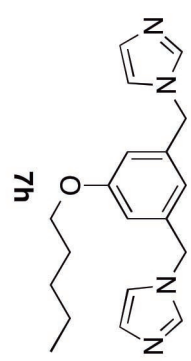
INSTRUM 5 mm CPPBBO BB
 PROBHD zgpg30
 PULPROG 65536
 SOLVENT CDCl3
 NS 100
 DS 4
 SWH 29761.904 Hz
 FIDRES 0.454131 Hz
 AQ 1.1010048 sec
 RG 189.66
 DW 16.800 usec
 DE 11.00 usec
 TE 300.2 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL f1 =====
 SF01 125.7804227 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 65.00000000 W

==== CHANNEL f2 =====
 SF02 500.1720007 MHz
 NUC2 1H
 CPDPRG12 waltz16
 PCPD2 80.00 usec
 PLW2 13.50000000 W
 PLW12 0.30375001 W
 PLW13 0.19440000 W

F2 - Processing parameters
 SI 32768
 SF 125.7678470 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

- 160.285
- 138.605
- 137.461
- 130.024
- 119.270
- 117.797
- 113.037
- 77.274
- 77.020
- 76.766
- 68.191
- 50.489
- 28.787
- 28.103
- 22.398
- 13.970
- 0.011



Current Data Parameters
 NAME nkt666
 EXPNO 10
 PROCNO 1

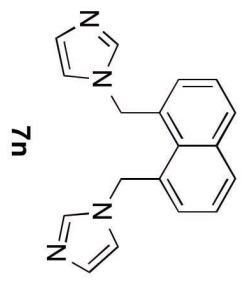
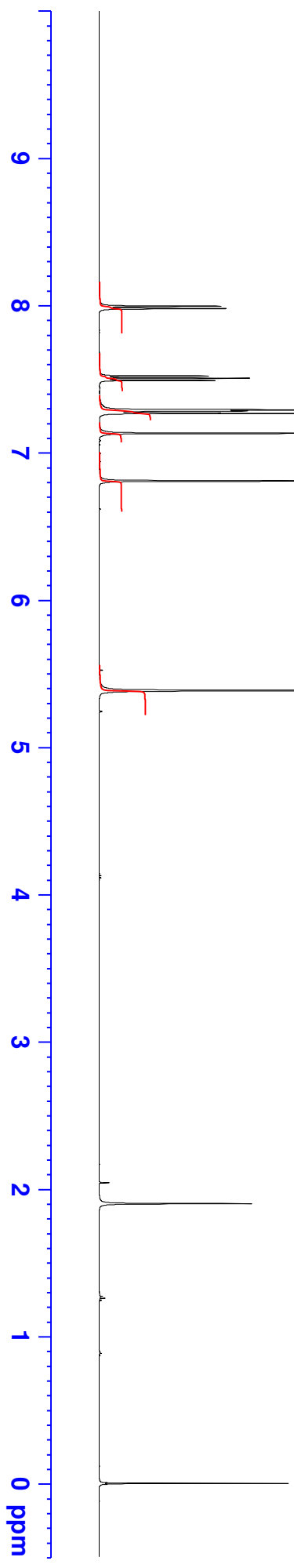
F2 - Acquisition Parameters
 Date_ 20150924
 Time 12.34

INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 10000.000 Hz
 FIDRES 0.152588 Hz
 AQ 3.2767999 sec
 RG 31.29
 DW 50.000 usec
 DE 10.00 usec
 TE 300.1 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 13.50000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700104 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.995
7.993
7.979
7.977
7.520
7.506
7.505
7.490
7.290
7.284
7.267
7.265
7.131
6.809
6.807
6.805
5.384
1.900
-0.000



¹H NMR

Current Data Parameters
NAME nkt666
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters

Date_ 20150924
Time 12.36
INSTRUM spect
PROBHD 5 mm CPPBBO BB
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 100
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010048 sec
RG 107.18
DM 16.800 usec
DE 11.00 usec
TE 300.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL F1 =====

SFO1 125.7804227 MHz
NUC1 13C
P1 10.00 usec
PLW1 65.00000000 W

==== CHANNEL F2 =====

SFO2 500.1720007 MHz
NUC2 1H
CPDPRG12 waltz16
PCPD2 80.00 usec
PLW2 13.50000000 W
PLW12 0.30375001 W
PLW13 0.19440000 W

F2 - Processing parameters

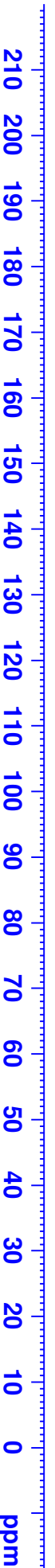
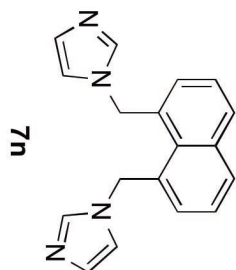
SI 32768
SF 125.7678470 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

136.792
136.061
131.684
131.591
130.557
130.329
129.753
125.811
118.786

77.285
77.031
76.777

51.531

-0.004



Current Data Parameters
 NAME nkt-ligand7r
 EXPNO 10
 PROCNO 1

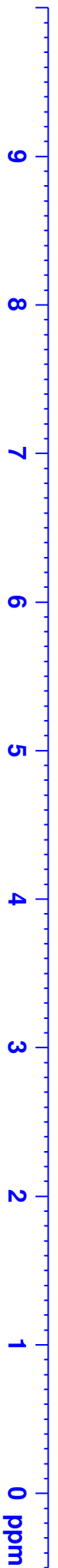
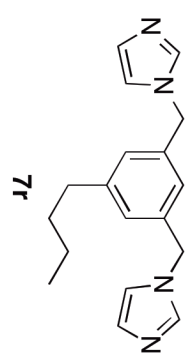
F2 - Acquisition Parameters
 Date_ 20150920
 Time 13.50

INSTRUM 5 mm CFPBBO spect
 PROBHD BB
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 10000.000 Hz
 FIDRES 0.152588 Hz
 AQ 3.2767999 sec
 RG 31.29
 DW 50.000 usec
 DE 10.00 usec
 TE 300.1 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 13.50000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700069 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

- 7.522
- 7.270
- 7.095
- 6.898
- 6.875
- 6.732
- 5.060
- 2.561
- 2.545
- 2.529
- 2.121
- 1.534
- 1.530
- 1.522
- 1.519
- 1.513
- 1.503
- 1.500
- 1.333
- 1.319
- 1.303
- 1.289
- 0.918
- 0.903
- 0.889
- 0.000



¹H NMR

Current Data Parameters
 NAME nkt-1ligand7r
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20150920
 Time 13.57

INSTRUM 5 mm CPPBBO BB
 PROBHD zgpg30
 PULPROG 65536
 TD CDC13
 SOLVENT 100
 NS 4

DS 4
 SWH 29761.904 Hz
 FIDRES 0.454131 Hz
 AQ 1.1010048 sec
 RG 189.66
 DW 16.800 usec
 DE 11.00 usec
 TE 300.1 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 125.7804227 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 65.00000000 W

==== CHANNEL f2 =====
 SFO2 500.1720007 MHz
 NUC2 1H
 CPDPRG12 waltz16
 PCPD2 80.00 usec
 PLW2 13.50000000 W
 PLW12 0.30375001 W
 PLW13 0.19440000 W

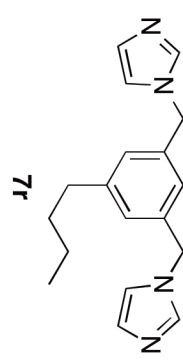
F2 - Processing parameters
 SI 32768
 SF 125.7678470 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

144.937
 137.424
 137.122
 129.978
 127.164
 123.335
 119.241

77.297
 77.044
 76.790

50.510
 35.390
 33.469

22.319
 13.855
 -0.011



¹³C NMR

Current Data Parameters
 NAME nkt-ligand7s
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20150920
 Time 13.41

INSTRUM 5 mm CPPBBO BB
 PROBD 5 mm spect
 PULPROG zg30

TD 65536
 SOLVENT CDCl3

NS 16
 DS 2

SWH 10000.000 Hz
 FIDRES 0.152588 Hz

RG 3.2767999 sec
 AO 31.29

DW 50.000 usec
 DE 10.00 usec

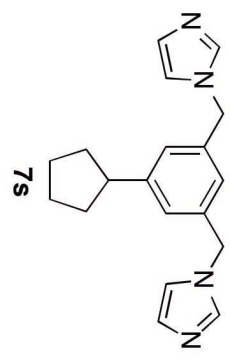
TE 300.1 K
 D1 1.00000000 sec

TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUCL 1H
 P1 12.00 usec
 PLW1 13.50000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700113 MHz
 WDW EM
 SSB 0
 GB 0.30 Hz
 PC 1.00

- 7.531
- 7.262
- 7.097
- 6.955
- 6.953
- 6.881
- 6.879
- 6.717
- 5.064
- 2.955
- 2.940
- 2.935
- 2.920
- 2.905
- 2.900
- 2.885
- 2.046
- 2.044
- 2.031
- 2.026
- 2.023
- 2.020
- 2.016
- 2.013
- 2.011
- 2.008
- 2.002
- 1.991
- 1.987
- 1.787
- 1.780
- 1.774
- 1.770
- 1.763
- 1.758
- 1.744
- 1.736
- 1.718
- 1.705
- 1.688
- 1.682
- 1.672
- 1.666
- 1.656
- 1.651
- 1.647
- 1.500
- 1.492
- 1.488
- 1.486
- 1.480
- 1.475



1.854
 1.891
 1.939
 1.840
 0.952

4.000

0.949

1.955
 2.111
 2.739
 1.854
 1.985

¹H NMR

Current Data Parameters
NAME nkt-119and-3
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150920
Time 12.13

INSTRUM 5 mm CPPBBO BB
PROBHD zppg30
PULPROG 65536
TD CDC13
SOLVENT 50
NS 4

DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010048 sec
RG 189.66
DW 16.800 usec
DE 11.00 usec
TE 300.1 K

D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

==== CHANNEL f1 =====

SFO1 125.7804227 MHz
NUC1 13C
P1 10.00 usec
PLW1 65.00000000 W

==== CHANNEL f2 =====

SFO2 500.1720007 MHz
NUC2 1H
CPDPRG12 waltz16
PCPD2 80.00 usec
PLW2 13.50000000 W
PLW12 0.30375001 W
PLW13 0.19440000 W

F2 - Processing parameters

SF 32768
SF 125.7678470 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

148.656
137.429
137.087
129.954
125.912
123.385
119.256

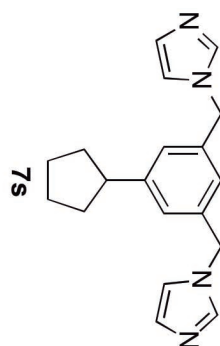
77.268
77.014
76.760

50.592
45.673

34.593

25.409

-0.010



¹³C NMR

Current Data Parameters
 NAME nkt-Ligand/7t
 EXPNO 10
 PROCNO 1

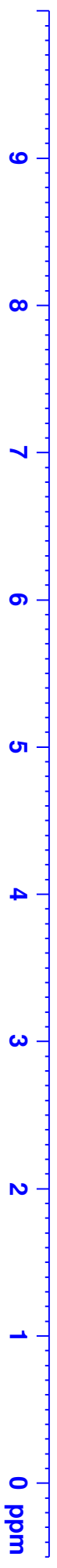
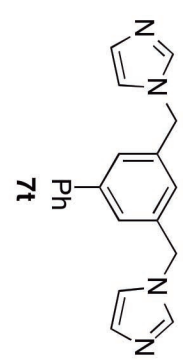
F2 - Acquisition Parameters
 Date_ 20150920
 Time 13.46

INSTRUM spect
 PROBHD 5 mm CPBB0 BB
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 10000.000 Hz
 FIDRES 0.152588 Hz
 AQ 3.2767999 sec
 RG 31.29
 DW 50.000 usec
 DE 10.00 usec
 TE 300.1 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUCL1 1H
 P1 12.00 usec
 PLW1 13.50000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700109 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.473
7.470
7.466
7.456
7.454
7.438
7.434
7.424
7.421
7.408
7.384
7.381
7.378
7.367
7.292
7.290
7.263
7.117
6.919
6.890
5.157
1.853
-0.000



2.027
3.926
0.979
1.907
0.723
1.935
1.940
0.881

4.000

¹H NMR

Current Data Parameters
 NAME nkt-11gand-4
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20150920
 Time 12.30

INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 70
 DS 4

SWH 29761.904 Hz
 FIDRES 0.454131 Hz
 AQ 1.1010048 sec
 RG 189.66
 DW 16.800 usec
 DE 11.00 usec
 TE 300.1 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

=====
 CHANNEL F1 =====
 SEF01 125.7804227 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 65.00000000 W

=====
 CHANNEL F2 =====
 SEF02 500.1720007 MHz
 NUC2 1H
 CPDPRG12 waltz16
 PCPD2 80.00 usec
 PLW2 13.50000000 W
 PLW12 0.30375001 W
 PLW13 0.19440000 W

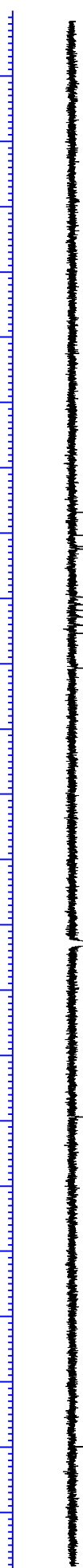
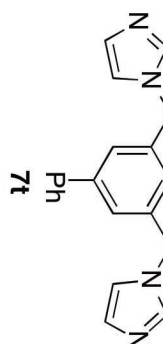
F2 - Processing parameters
 SI 32768
 SF 125.7678470 MHz
 MWDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

143.124
 139.599
 137.852
 137.470
 130.162
 128.984
 128.102
 127.121
 125.849
 124.614
 119.262

77.286
 77.031
 76.778

50.515

-0.005



¹³C NMR

210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 ppm

Current Data Parameters
NAME nkt-Ligand7u
EXPNO 10
PROCNO 1

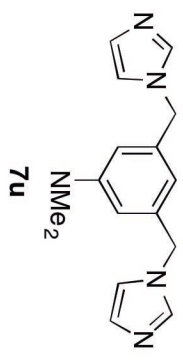
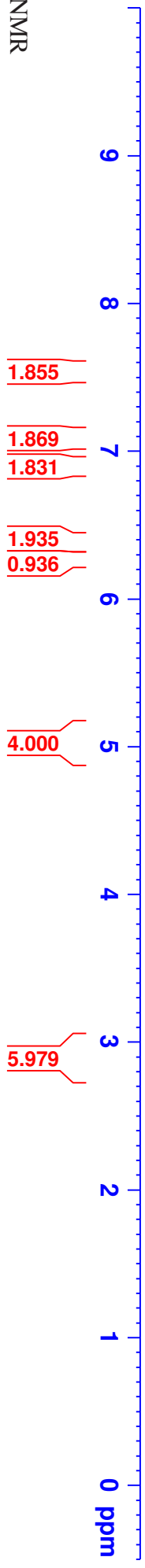
F2 - Acquisition Parameters
Date_ 20150920
Time 14.02

INSTRUM spect
PROBHD 5 mm CPPBBO BB
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10000.000 Hz
FIDRES 0.152588 Hz
AQ 3.2767999 sec
RG 31.29
DW 50.000 usec
DE 10.00 usec
TE 300.1 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730888 MHz
NUC1 1H
P1 12.00 usec
PLM1 13.50000000 W

F2 - Processing parameters
SI 65536
SF 500.1700079 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.525
7.269
7.080
6.889
6.358
6.265
5.021
2.891
-0.000



¹H NMR

Current Data Parameters
 NAME nkt-ligand7u
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20150920
 Time 14.08

INSTRUM spect
 PROBHD 5 mm CPBPBBO BB
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 100
 DS 4

SWH 29761.904 Hz
 FIDRES 0.454131 Hz
 AQ 1.1010048 sec
 RG 189.66
 DW 16.800 usec
 DE 11.00 usec
 TE 300.2 K

D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL F1 =====
 SFO1 125.7804227 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 65.00000000 W

==== CHANNEL F2 =====
 SFO2 500.1720007 MHz
 NUC2 1H
 CPDPRG12 waltz16
 PCPD2 80.00 usec
 PLW2 13.50000000 W
 PLW12 0.30375001 W
 PLW13 0.19440000 W

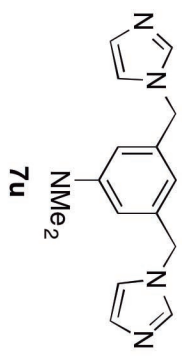
F2 - Processing parameters
 SI 32768
 SF 125.7678470 MHz
 MDM EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

151.271
 137.961
 137.484
 129.799
 119.324
 113.667
 110.445

77.298
 77.044
 76.790

50.988
 40.279

-0.005



Current Data Parameters
 NAME NKT tbu complex
 EXPNO 10
 PROCNO 1

8.036
 7.261
 7.207
 7.205
 7.192
 6.940
 6.938
 6.935
 6.801

5.115

1.681
 1.279
 -0.000

F2 - Acquisition Parameters
 Date_ 20140807
 Time 19.58
 INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SMH 10000.000 Hz
 FIDRES 0.152588 Hz
 AQ 3.2767999 sec
 RG 31.29
 DW 50.000 usec
 DE 10.00 usec
 TE 300.0 K
 D1 1.00000000 sec
 ID0 1

==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 13.50000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700120 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



¹H NMR

Zinc Complex 8c

Current Data Parameters
NAME NKT tbu complex
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters

Date_ 20140807
Time 20.04
INSTRUM spect
PROBHD 5 mm CPBBO BB
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 161
DS 4
SMH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010048 sec
RG 189.66
DW 16.800 usec
DE 11.00 usec
TE 300.0 K
D1 2.0000000 sec
D11 0.0300000 sec
TD0 1

==== CHANNEL F1 =====

SFO1 125.7804227 MHz
NUC1 13C
P1 10.00 usec
PLW1 65.0000000 W

==== CHANNEL F2 =====

SFO2 500.1720007 MHz
NUC2 1H
CPDPRG12 waltz16
PCPD2 80.00 usec
PLW2 13.5000000 W
PLW12 0.30375001 W
PLW13 0.19440000 W

F2 - Processing parameters

SI 32768
SF 125.7678470 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

153.506
138.611
136.035
128.979
125.083
124.000
119.738
77.267
77.013
76.758
51.371
34.812
31.148
-0.007

Zinc Complex 8c



¹³C NMR

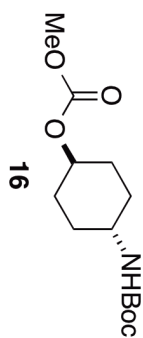
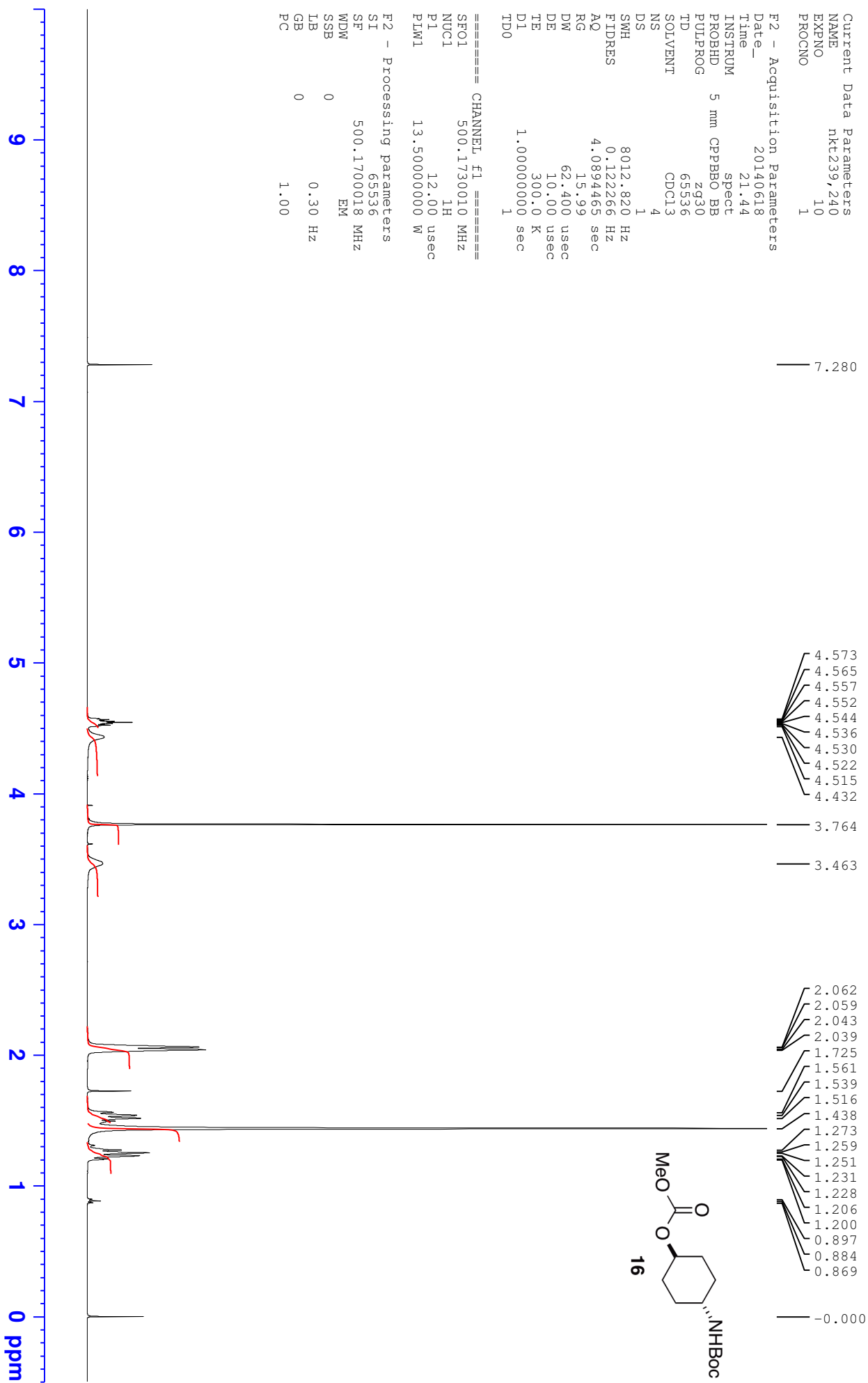
Current Data Parameters
NAME nkt239,240
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters

Date_ 20140618
Time 21.44
INSTRUM spect
PROBHD 5 mm CPPBBO BB
PULPROG zg30
TD 65536
SOLVENT GDCL3
NS 4
DS 1
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 15.99
DW 62.400 usec
DE 10.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730010 MHz
NUC1 1H
P1 12.00 usec
PLW1 13.50000000 W

F2 - Processing parameters
SI 65536
SF 500.1700018 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹H NMR

Current Data Parameters
 NAME nkt239,240
 EXPNO 11
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20140618
 Time 21.48

INSTRUM 5 mm QNPBB0 BB
 PROBHD spect
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 90
 DS 4

SWH 29761.904 Hz
 FIDRES 0.454131 Hz
 AQ 1.1010048 sec
 RG 189.66
 DW 16.800 usec
 DE 11.00 usec
 TE 300.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL F1 =====
 SFO1 125.7804227 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 65.00000000 W

==== CHANNEL F2 =====
 SFO2 500.1720007 MHz
 NUC2 1H
 CPDPRG12 waltz16
 PCPD2 80.00 usec
 PLW2 13.50000000 W
 PLW12 0.30375001 W
 PLW13 0.19440000 W

F2 - Processing parameters
 SI 32768
 SF 125.7678470 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

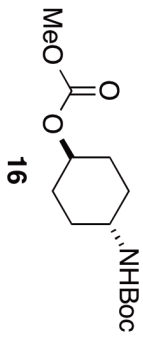
155.191

79.310
 77.290
 77.036
 76.782
 75.871

54.549

48.381

30.620
 29.881
 28.383



¹³C NMR

Current Data Parameters
NAME nkt106
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20131126
Time 22.04

INSTRUM 5 mm CFPBBO BB
PROBHD spect
PULPROG zg30
TD 65536
SOLVENT GDC13
NS 2
DS 1

SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 31.29

DW 62.400 usec
DE 10.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730010 MHz
NUC1 1H
P1 12.00 usec
PLW1 19.70000076 W

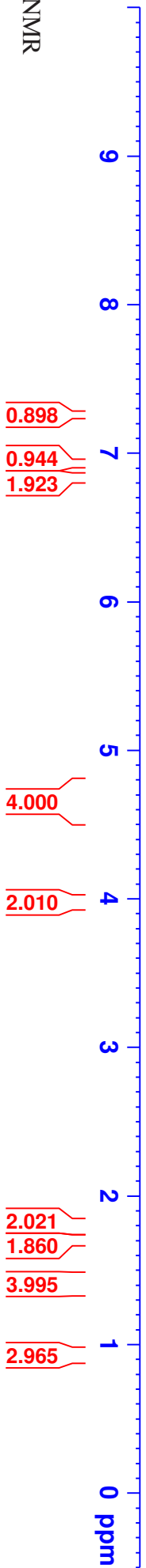
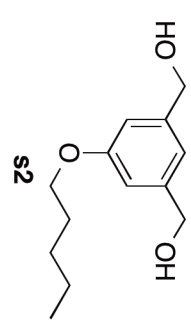
F2 - Processing parameters
SI 65536
SF 500.1700115 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.259
6.922
6.842

4.666
4.654

3.983
3.970
3.956

1.812
1.799
1.785
1.783
1.769
1.756
1.722
1.710
1.698
1.569
1.457
1.451
1.443
1.439
1.434
1.430
1.426
1.420
1.417
1.412
1.404
1.392
1.390
1.376
1.363
1.360
0.946
0.917
-0.000



Current Data Parameters
 NAME nkt106(s-2)
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20140527
 Time 14.49

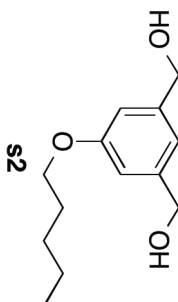
INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 51
 DS 4
 SWH 29761.904 Hz
 FIDRES 0.454131 Hz
 AQ 1.1010048 sec
 RG 107.18
 DW 16.800 usec
 DE 11.00 usec
 TE 300.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL F1 =====
 SFO1 125.7804227 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 65.00000000 W

==== CHANNEL F2 =====
 SFO2 500.1720007 MHz
 NUC2 1H
 CPDPRG12 waltz16
 PCPD2 80.00 usec
 PLW2 13.50000000 W
 PLW12 0.30375001 W
 PLW13 0.19440000 W

F2 - Processing parameters
 SI 32768
 SF 125.7678470 MHz
 WDDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

- 159.740
- 142.748
- 117.299
- 112.190
- 77.270
- 77.016
- 76.763
- 68.086
- 65.231
- 28.963
- 28.204
- 22.448
- 14.020



¹³C NMR

Current Data Parameters
 NAME nkt108
 EXPNO 10
 PROCNO 1

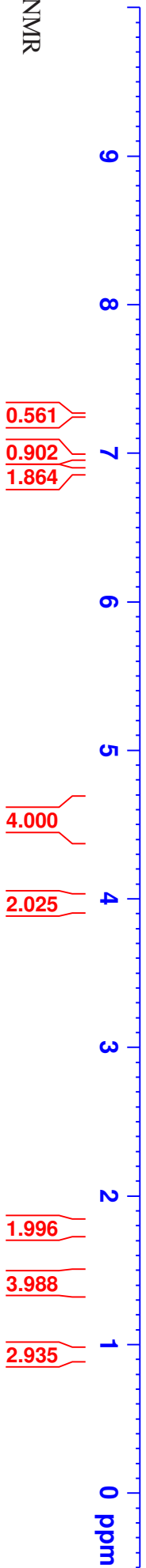
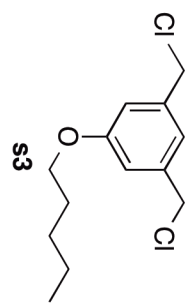
F2 - Acquisition Parameters
 Date_ 20131128
 Time 14.38

INSTRUM 5 mm CPPBBO BB
 SPECT spect
 PROBHD zq30
 PULPROG 65536
 TD 65536
 SOLVENT GDC13
 NS 16
 DS 2
 SWH 10000.000 Hz
 FIDRES 0.152588 Hz
 AQ 3.2767999 sec
 RG 23.8
 DW 50.000 usec
 DE 10.000 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 19.70000076 W

F2 - Processing parameters
 SI 65536
 SF 500.1700127 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

- 7.257
- 6.972
- 6.880
- 6.878
- 4.537
- 3.980
- 3.967
- 3.954
- 1.815
- 1.802
- 1.788
- 1.786
- 1.772
- 1.759
- 1.531
- 1.461
- 1.455
- 1.447
- 1.443
- 1.438
- 1.434
- 1.431
- 1.424
- 1.421
- 1.416
- 1.408
- 1.396
- 1.394
- 1.380
- 1.367
- 1.364
- 0.950
- 0.936
- 0.922
- 0.000



Current Data Parameters
 NAME nkt108 (s-3)
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20140527
 Time 14.44

INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 43
 DS 4

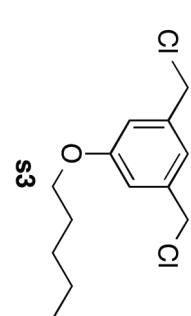
SWH 29761.904 Hz
 FIDRES 0.454131 Hz
 AQ 1.1010048 sec
 RG 107.18
 DW 16.800 usec
 DE 11.00 usec
 TE 300.0 K
 D1 2.0000000 sec
 D11 0.0300000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 125.7804227 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 65.00000000 W

==== CHANNEL f2 =====
 SFO2 500.1720007 MHz
 NUC2 1H
 CPDPRG12 waltz16
 PCPD2 80.00 usec
 PLW2 13.50000000 W
 PLW12 0.30375001 W
 PLW13 0.19440000 W

F2 - Processing parameters
 SI 32768
 SF 125.7678470 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

159.666
 139.258
 120.628
 114.685
 77.273
 77.019
 76.764
 68.208
 45.867
 28.890
 28.177
 22.440
 14.010
 -0.003



Current Data Parameters
NAME nkt173
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140310
Time 21.44

INSTRUM spect
PROBHD 5 mm CPPBBO BB
PULPROG zg30
TD 65536
SOLVENT CDCl3

NS 4
DS 1
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec

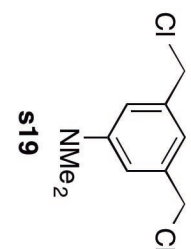
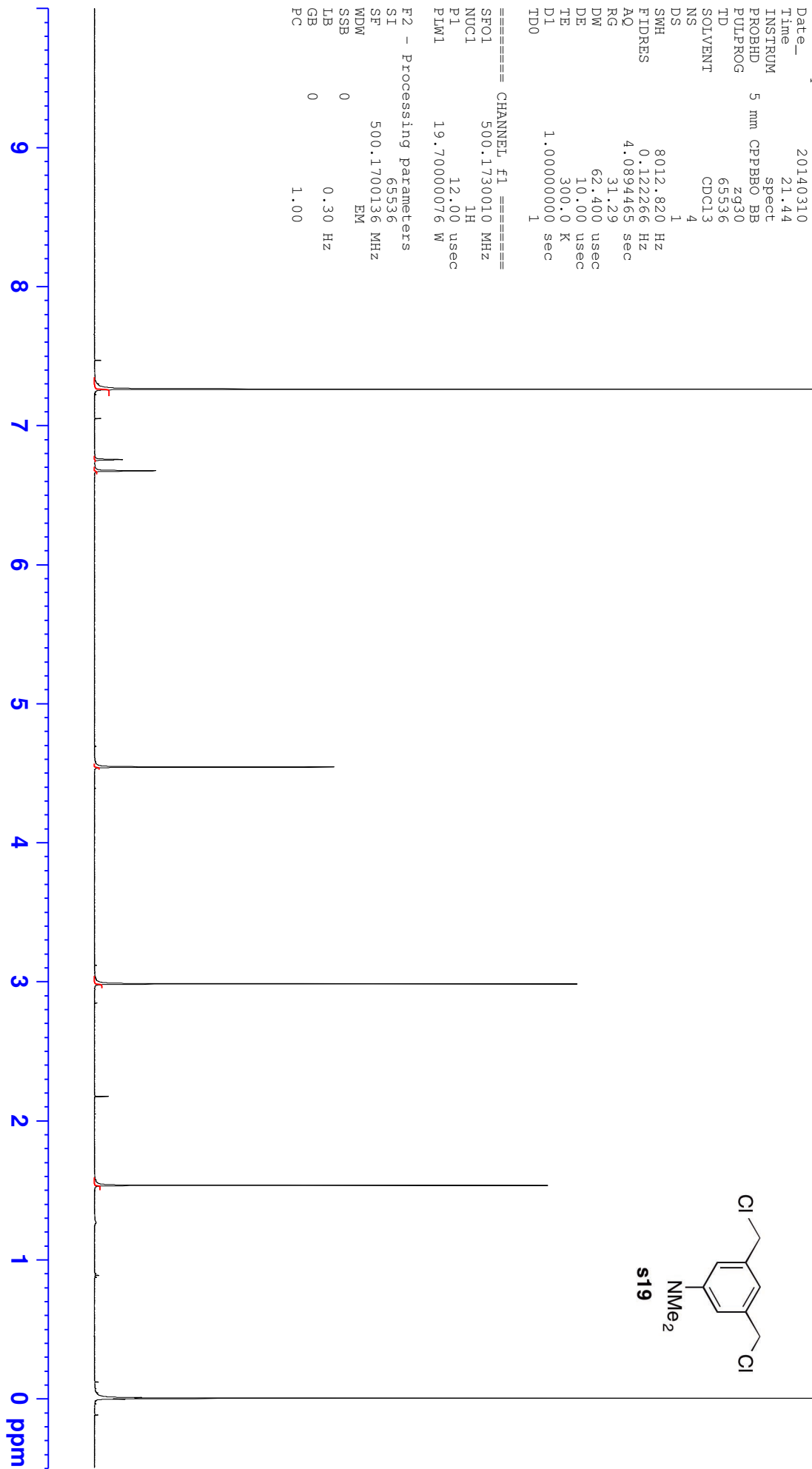
RG 31.29
DW 62.400 usec
DE 10.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730010 MHz
NUC1 1H
P1 12.00 usec
PLW1 19.70000076 W

F2 - Processing parameters
SI 65536
SF 500.1700136 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.260
6.752
6.673
6.670
4.541
2.981
1.532

12.170
0.960
1.958
4.000
6.182
4.705



¹H NMR

Current Data Parameters
 NAME nkt173(s-14)
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20140527
 Time 14.30

INSTRUM 5 mm QNPBBP
 PROBHD BB
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 39
 DS 4

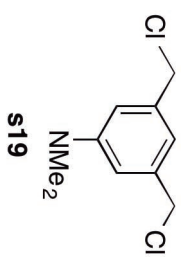
SWH 29761.904 Hz
 FIDRES 0.454131 Hz
 AQ 1.1010048 sec
 RG 107.18
 DW 16.800 usec
 DE 11.00 usec
 TE 300.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL F1 =====
 SFO1 125.7804227 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 65.00000000 W

==== CHANNEL F2 =====
 SFO2 500.1720007 MHz
 NUC2 1H
 CPDPRG12 waltz16
 PCPD2 80.00 usec
 PLW2 13.50000000 W
 PLW12 0.30375001 W
 PLW13 0.19440000 W

F2 - Processing parameters
 SI 32768
 SF 125.7678470 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

150.997
 138.762
 116.556
 112.352
 77.287
 77.033
 76.779
 46.640
 40.467
 0.010



¹³C NMR

Current Data Parameters
NAME nkt248
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140625
Time 14.20

INSTRUM 5 mm CPPBBO BB
PROBHD spect
PULPROG zg30
TD 65536
SOLVENT GDC13
NS 8
DS 1
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 13.62
DW 62.400 usec
DE 10.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730010 MHz
NUC1 1H
P1 12.00 usec
PLW1 13.50000000 W

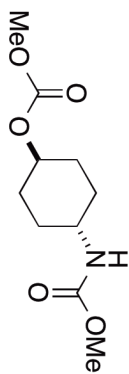
F2 - Processing parameters
SI 65536
SF 500.1699936 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.297

4.715
4.701
4.579
4.572
4.564
4.558
4.550
4.543
4.537
4.529
4.521
4.143
4.128
4.114
4.100
3.769
3.653
3.512

2.068
2.066
2.049
2.045
1.956
1.574
1.552
1.529
1.508
1.312
1.290
1.270
1.267
1.260
1.245
1.239

-0.000



1.000
1.021
0.052
3.130
2.930
1.078
4.317
2.109
2.239

Current Data Parameters
 NAME nk+248
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20140625
 Time 20.52

INSTRUM spect
 PROBHD 5 mm QNPBB0 BB
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 61
 DS 4

SWH 29761.904 Hz
 FIDRES 0.454131 Hz
 AQ 1.1010048 sec
 RG 189.66
 DW 16.800 usec
 DE 11.00 usec
 TE 300.0 K
 D1 2.00000000 sec
 D11 0.03000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 125.7804227 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 65.00000000 W

==== CHANNEL f2 =====
 SFO2 500.1720007 MHz
 NUC2 1H
 CPDPRG12 waltz16
 PCPD2 80.00 usec
 PLW2 13.50000000 W
 PLW12 0.30375001 W
 PLW13 0.19440000 W

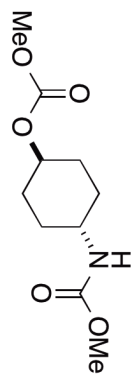
F2 - Processing parameters
 SI 32768
 SF 125.7678470 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

156.284
 155.176

77.325
 77.070
 76.815
 75.745

54.556
 51.938
 48.745

30.493
 29.760



Current Data Parameters
 NAME nkt252
 EXPNO 30
 PROCNO 1

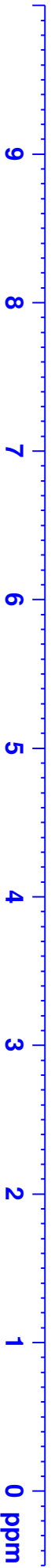
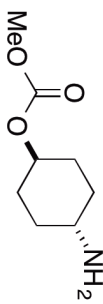
F2 - Acquisition Parameters
 Date_ 20140701
 Time 17.04

INSTRUM 5 mm CPPBBO BB
 spect
 PROBHD zq30
 PULPROG 65536
 TD 16
 SOLVENT GDC13
 NS 2
 DS 10000.000 Hz
 SWH 0.152588 Hz
 FIDRES 3.2767999 sec
 AQ 31.29
 RG 50.000 usec
 DW 10.00 usec
 DE 300.0 K
 TE 1.0000000 sec
 D1 1
 TD0

==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUCL1 1H
 P1 12.00 usec
 PLW1 13.5000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700095 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.266
 4.585
 4.577
 4.568
 4.564
 4.555
 4.546
 4.542
 4.533
 4.525
 3.767
 3.478
 3.439
 2.793
 2.785
 2.777
 2.771
 2.764
 2.756
 2.750
 2.742
 2.734
 2.459
 2.074
 2.068
 2.063
 2.054
 2.047
 2.039
 1.933
 1.909
 1.514
 1.507
 1.488
 1.486
 1.481
 1.467
 1.459
 1.441
 1.433
 1.290
 1.282
 1.262
 1.257
 1.241
 1.235
 1.215
 1.208
 -0.000



1.000
 3.029
 0.185
 1.122
 1.740
 3.636
 1.970
 2.520
 2.244

Current Data Parameters
 NAME nkt252
 EXPNO 31
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20140701
 Time 17.07

INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 100
 DS 4
 SWH 29761.904 Hz
 FIDRES 0.454131 Hz
 AQ 1.1010048 sec
 RG 189.66
 DW 16.800 usec
 DE 11.00 usec
 TE 300.0 K
 D1 2.0000000 sec
 D11 0.0300000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 125.7804227 MHz
 NUC1 13C
 P1 10.00 usec
 PLW1 65.00000000 W

==== CHANNEL f2 =====
 SFO2 500.1720007 MHz
 NUC2 1H
 CPDPRG12 waltz16
 PCPD2 80.00 usec
 PLM2 13.50000000 W
 PLM12 0.30375001 W
 PLM13 0.19440000 W

F2 - Processing parameters
 SI 32768
 SF 125.7678470 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

155.218

77.273
 77.019
 76.764
 76.373

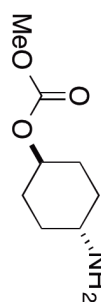
54.541

49.335

33.452

29.924

-0.012

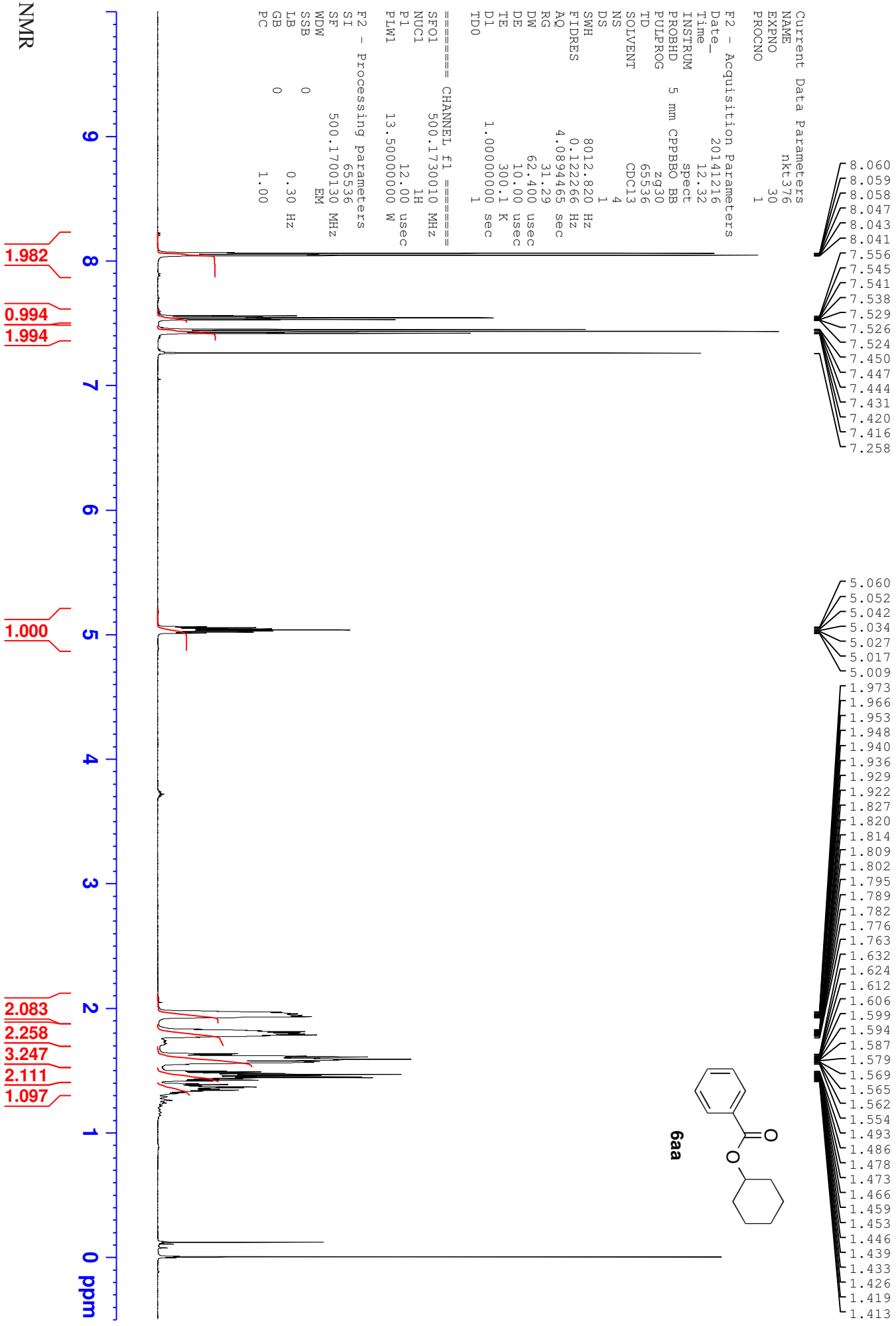


¹³C NMR

210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ppm

NMR Spectra of Known Compounds (Products)

¹H NMR



8.090
8.089
8.087
8.074
8.071
7.573
7.570
7.568
7.559
7.556
7.552
7.543
7.541
7.538
7.460
7.458
7.453
7.450
7.447
7.444
7.434
7.422
7.419
7.406
7.403
7.400
7.389
7.386
7.374
7.357
7.354
7.352
7.345
7.340
7.325
7.251
5.369

Current Data Parameters
 NAME nkt209
 EXPNO 10
 PROCNO 1

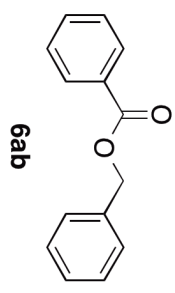
F2 - Acquisition Parameters
 Date_ 20140428
 Time 17.22

INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 1
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 31.29
 DW 62.400 usec
 DE 10.00 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730010 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 13.50000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700169 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1.562
-0.000



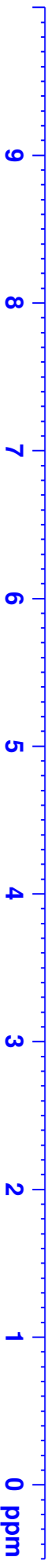
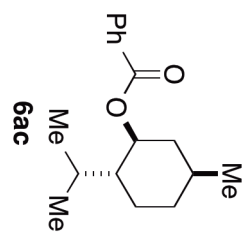
Current Data Parameters
NAME: 9.543
EXPNO: 8.040
PROCNO: 8.037
Date_: 20140414
Time: 21.19
INSTRUM: spect
PROBHD: 5 mm CPPBBO BB
PULPROG: zg30
TD: 65536
SOLVENT: CDCl3
NS: 8
DS: 1
SWH: 8012.820 Hz
FIDRES: 0.122266 Hz
AQ: 4.0894465 sec
RG: 31.29
DW: 62.400 usec
DE: 10.00 usec
TE: 300.0 K
D1: 1.0000000 sec
TD0: 1

==== CHANNEL f1 =====
SFO1 500.1730010 MHz
NUC1 1H
P1 12.00 usec
PLM1 19.70000076 W

F2 - Processing parameters
SI 65536
SF 500.1700134 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

4.962
4.953
4.940
4.931
4.918
4.910

2.168
2.150
2.143
2.138
2.134
2.130
2.126
2.119
2.114
1.985
1.980
1.971
1.966
1.957
1.952
1.756
1.750
1.744
1.740
1.721
1.716
1.585
1.579
1.574
1.568
1.567
1.561
1.557
1.555
1.544
1.538
1.533
1.555
1.548
1.537
1.528
1.523
1.512
1.513
1.511
1.509
1.506



¹H NMR

Current Data Parameters
 NAME nkt203
 EXPNO 10
 PROCNO 1

7.982
7.966
7.966
7.488
7.473
7.459
7.377
7.361
7.346
7.189

5.356
5.347
4.827
4.817
4.809
4.802
4.794
4.785
4.778
4.771
4.761
2.405
2.390
1.968
1.961
1.942
1.915
1.907
1.863
1.842
1.836
1.772
1.764
1.681
1.658
1.536
1.528
1.508
1.492
1.472
1.466
1.452
1.440
1.422
1.399
1.390
1.316
1.301
1.284
1.274
1.266
1.253
1.207
1.186
1.178
1.170
1.150
1.143
1.135
1.118
1.109
1.082
1.076

F2 - Acquisition Parameters

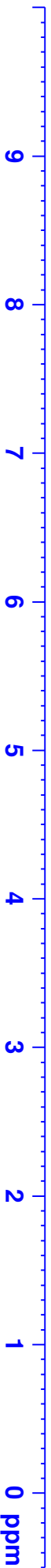
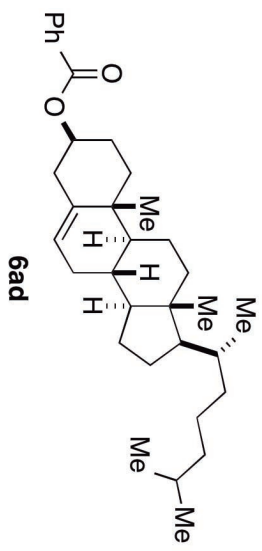
Date_ 20140416
 Time 20.40
 INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zg30
 TD 65536
 SOLVENT GDC13
 NS 16
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 31.29
 DW 62.400 usec
 DE 10.00 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====

SFO1 500.1730010 MHz
 NUCL1 1H
 P1 12.00 usec
 PLW1 19.70000076 W

F2 - Processing parameters

SI 65536
 SF 500.1700481 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



2.035
0.996
2.102
0.984
1.000
2.142
7.209
7.678
18.591
3.141
6.635
3.426

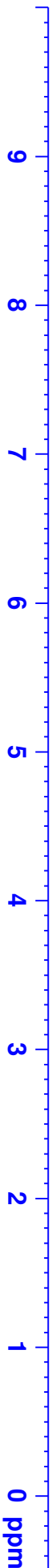
¹H NMR

Current Data Parameters
 NAME: nke204
 EXPNO: 8
 PROCNO: 1

F2 - Acquisition Parameters
 Date_: 20140418
 Time: 17.07
 INSTRUM: spect
 PROBHDD: 5 mm CPPBBO BB
 PULPROG: zg30
 TD: 65536
 SOLVENT: GDCL3
 NS: 8
 DS: 1
 SWH: 8012.820 Hz
 FIDRES: 0.122266 Hz
 AQ: 4.0894465 sec
 RG: 31.29
 DW: 62.400 usec
 DE: 10.00 usec
 TE: 300.0 K
 D1: 1.00000000 sec
 TD0: 1

==== CHANNEL f1 =====
 SFO1 500.1730010 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 19.70000076 W

F2 - Processing parameters
 SI 65536
 SF 500.1700135 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



2.019

1.114
2.044

1.000

1.110

1.111

1.226

1.010

0.444

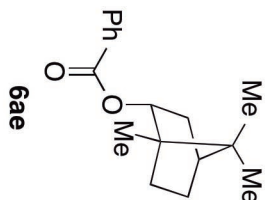
1.246

1.158

1.419

3.787

6.104



Current Data Parameters
 Name: YK607
 EXPNO: 2
 PROCNO: 1

F2 - Acquisition Parameters

Date_: 20131112
 Time: 15.52
 INSTRUM: spect
 PROBHD: 5 mm CPPBBO BB
 PULPROG: zg30
 TD: 65536
 SOLVENT: CDCl3
 NS: 1
 DS: 0
 SWH: 10000.000 Hz
 FIDRES: 0.152588 Hz
 AQ: 3.2767999 sec
 RG: 31.29
 DW: 50.000 usec
 DE: 10.00 usec
 TE: 300.0 K
 D1: 1.00000000 sec
 TD0: 1

==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 19.70000076 W

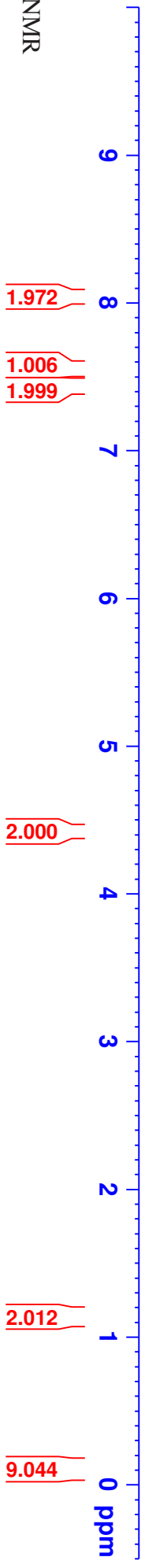
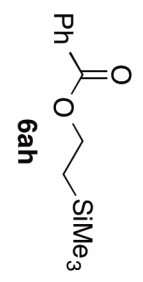
F2 - Processing parameters
 SI 65536
 SF 500.1700133 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.559
7.544
7.541
7.532
7.529
7.527
7.448
7.445
7.432
7.420
7.417
7.258

4.440
4.426
4.423
4.421
4.407

1.553
1.155
1.138
1.121

0.087
-0.000



Current Data Parameters
 Name: nkt116
 ExpNo: 100
 ProcNo: 1

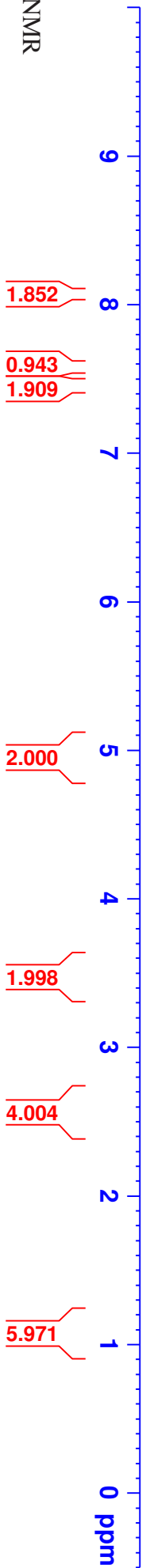
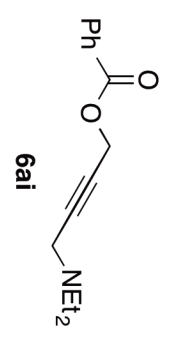
F2 - Acquisition Parameters

Date_: 20131210
 Time: 14.58
 INSTRUM: spect
 PROBHD: 5 mm CPPBBO BB
 PULPROG: zg30
 TD: 65536
 SOLVENT: CDCl3
 NS: 4
 DS: 1
 SWH: 8012.820 Hz
 FIDRES: 0.122266 Hz
 AO: 4.0894465 sec
 RG: 31.29
 DW: 62.400 usec
 DE: 10.00 usec
 TE: 300.0 K
 D1: 1.0000000 sec
 TD0: 1

==== CHANNEL f1 =====
 SFO1: 500.1730010 MHz
 NUC1: 1H
 P1: 12.00 usec
 PLW1: 19.70000076 W

F2 - Processing parameters
 SI: 65536
 SF: 500.1700105 MHz
 WDW: EM
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 1.00

9.067
 8.063
 8.060
 7.591
 7.576
 7.564
 7.561
 7.559
 7.468
 7.465
 7.453
 7.440
 7.437
 7.262
 4.955
 4.951
 4.947
 3.475
 2.579
 2.565
 2.551
 2.536
 1.084
 1.070
 1.056
 -0.000



Current Data Parameters
 Name: nke205
 EXPNO: 1
 PROCNO: 1

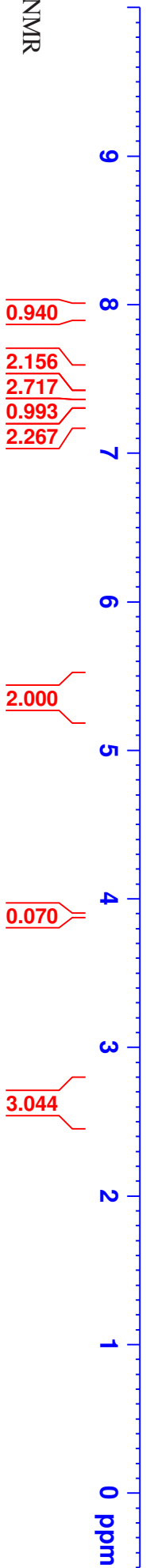
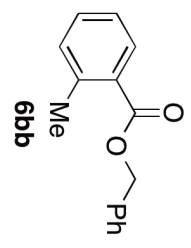
F2 - Acquisition Parameters
 Date_: 20140418
 Time: 17.13

INSTRUM: spect
 PROBHD: 5 mm CPPBBO BB
 PULPROG: zg30
 TD: 65536
 SOLVENT: CDCl3
 NS: 8
 DS: 1
 SWH: 8012.820 Hz
 FIDRES: 0.122266 Hz
 AO: 4.0894465 sec
 RG: 31.29
 DW: 62.400 usec
 DE: 10.00 usec
 TE: 300.0 K
 D1: 1.00000000 sec
 TD0: 1

==== CHANNEL f1 =====
 SFO1: 500.1730010 MHz
 NUC1: 1H
 P1: 12.00 usec
 PLW1: 19.70000076 W

F2 - Processing parameters
 SI: 65536
 SF: 500.1700172 MHz
 WDW: EM
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 1.00

7.215
7.230
7.245
7.251
7.335
7.349
7.352
7.370
7.373
7.377
7.382
7.385
7.389
7.399
7.401
7.404
7.407
7.439
7.453
5.342
3.890
2.606
1.552
1.554
-0.000



Current Data Parameters
 NAME: gcf
 EXPNO: 1
 PROCNO: 1

F2 - Acquisition Parameters
 Date_: 20140304
 Time: 18.31

INSTRUM: spect
 PROBHD: 5 mm CPPBBO BB
 PULPROG: zg30
 TD: 65536
 SOLVENT: CDCl3
 NS: 8
 DS: 1
 SWH: 8012.820 Hz
 FIDRES: 0.122266 Hz
 AQ: 4.0894465 sec
 RG: 31.29
 DW: 62.400 usec
 DE: 10.00 usec
 TE: 300.0 K
 D1: 1.00000000 sec
 TD0: 1

==== CHANNEL f1 =====
 SFO1 500.1730010 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 19.70000076 W

F2 - Processing parameters
 SI 65536
 SF 500.1700137 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.583
7.579
7.567
7.564
7.552
7.548
7.259
7.245
7.229
7.177
7.167
7.163
7.152
7.112
7.096
7.045
7.030

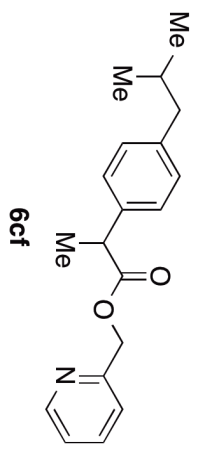
5.266
5.238
5.216
5.188

3.844
3.830
3.816
3.801

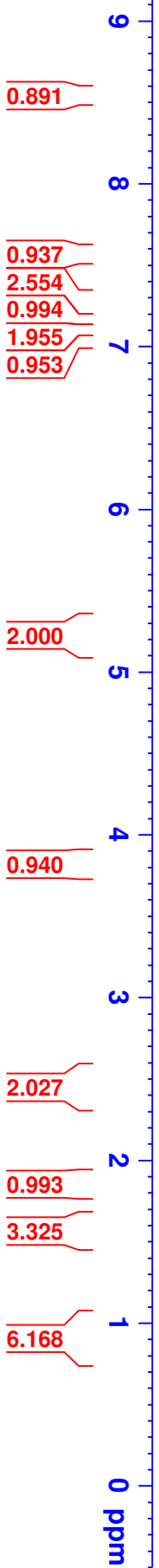
2.464
2.450
1.893
1.879
1.866
1.852
1.839
1.825
1.812
1.552
1.538

0.908
0.895

-0.000



¹H NMR



Current Data Parameters
NAME YKLE531
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130830
Time 19.40

INSTRUM 5 mm CPPBBO BB
PROBHD spect
PULPROG zg30
TD 65536
SOLVENT GDCL3
NS 1
DS 0
SWH 10000.000 Hz
FIDRES 0.152588 Hz
AQ 3.2767999 sec
RG 23.8
DW 50.000 usec
DE 10.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730888 MHz
NUC1 1H
P1 12.00 usec
PLW1 19.70000076 W

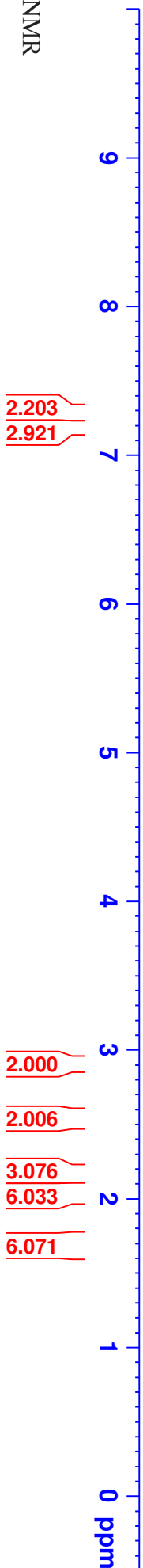
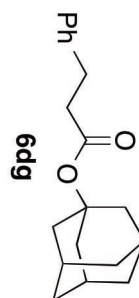
F2 - Processing parameters
SI 65536
SF 500.1700161 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.289
7.273
7.259
7.252
7.202
7.187

2.914
2.899
2.883
2.551
2.536
2.534
2.519
2.143
2.074
2.068

1.649

0.071
-0.000



Current Data Parameters
NAME YK584-iso
EXPNO 10
PROCNO 1

8.146
8.144
8.143

7.381
7.377
7.373
7.367
7.359
7.354
7.255

5.207

1.549
1.544

-0.000

F2 - Acquisition Parameters

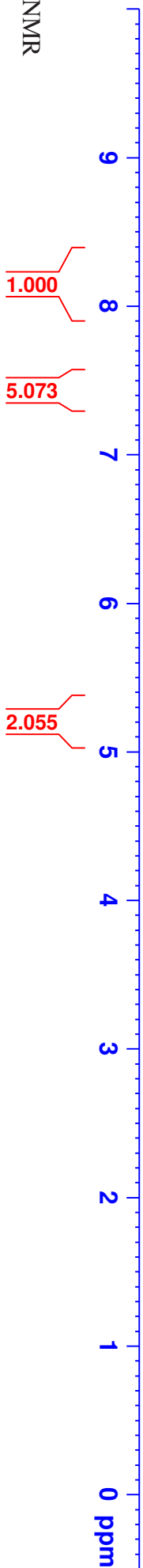
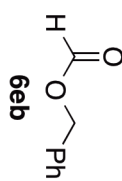
Date_ 20140109
Time 21.14
INSTRUM spect
PROBHD 5 mm CPPBBO BB
PULPROG zg30
TD 65536
SOLVENT GDCl3
NS 1
DS 0
SWH 10000.000 Hz
FIDRES 0.152588 Hz
AQ 3.2767999 sec
RG 31.29
DW 50.000 usec
DE 10.00 usec
TE 300.0 K
D1 1.0000000 sec
TD0 1

==== CHANNEL f1 =====

SFO1 500.1730888 MHz
NUC1 1H
P1 12.00 usec
PLW1 19.7000076 W

F2 - Processing parameters

SI 65536
SF 500.1700139 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
 NAME val onbu
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20130912
 Time 15.13

INSTRUM 5 mm CFPBBO BB
 SPECT spect
 PROBHD zq30
 PULPROG 65536
 TD 65536
 SOLVENT GDC13
 NS 1
 DS 0
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 31.29
 DW 62.400 usec
 DE 10.00 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730010 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 19.70000076 W

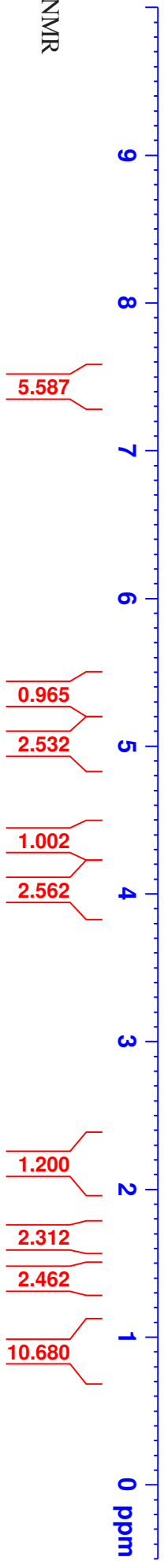
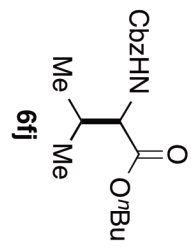
F2 - Processing parameters
 SI 65536
 SF 500.1700127 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.367
7.359
7.343
7.334
7.327
7.317
7.259

5.270
5.253
5.111

4.307
4.298
4.289
4.280
4.155
4.143
4.134
4.121
4.113

2.184
2.171
2.161
2.146
1.640
1.624
1.611
1.548
1.404
1.389
1.374
1.359
0.977
0.963
0.947
0.933
0.918
0.900
0.886



Current Data Parameters
 NAME benzyl acrylate
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters

Date_ 20150106
 Time 20.21
 INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zg30
 TD 65536
 SOLVENT GDC13
 NS 4
 DS 1
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 31.29
 DW 62.400 usec
 DE 10.00 usec
 TE 300.1 K
 D1 1.00000000 sec
 TD0 1

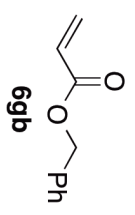
==== CHANNEL f1 =====
 SFO1 500.1730010 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 13.50000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700146 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.380
7.374
7.370
7.358
7.354
7.353
7.345
7.340
7.336
7.332
7.328
7.324
7.321
7.318
7.255
6.468
6.466
6.434
6.431
6.197
6.177
6.163
6.142
5.860
5.857
5.839
5.837
5.204

1.568
1.562
1.559

0.071
-0.000



4.784
0.976
0.943
0.989
2.000
0.226
0.005
0.025

Current Data Parameters
 NAME yfc620-iso
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters

Date_ 20140109
 Time 21.22
 INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zg30
 TD 65536
 SOLVENT GDC13
 NS 1
 DS 0
 SWH 10000.000 Hz
 FIDRES 0.152588 Hz
 AQ 3.2767999 sec
 RG 31.29
 DW 50.000 usec
 DE 10.00 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

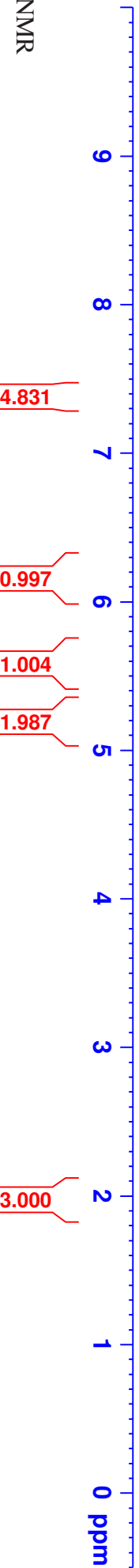
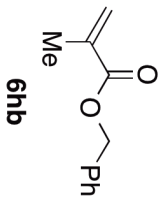
==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 19.70000076 W

F2 - Processing parameters
 SI 65536
 SF 500.1700139 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.387
 7.376
 7.371
 7.367
 7.365
 7.360
 7.351
 7.349
 7.339
 7.334
 7.333
 7.329
 7.326
 7.322
 7.255
 6.161
 6.159
 6.158
 6.156
 5.587
 5.584
 5.581
 5.197

1.974
 1.972
 1.971
 1.969

-0.000



Current Data Parameters
NAME YK500-2cu
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130819
Time 17.24

INSTRUM 5 mm CPPBBO BB
PROBHD zg30
PULPROG 65536
TD 65536
SOLVENT GDCL3
NS 1
DS 0
SWH 10000.000 Hz
FIDRES 0.152588 Hz
AQ 3.2767999 sec
RG 31.29
DW 50.000 usec
DE 10.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730888 MHz
NUC1 1H
P1 12.00 usec
PLW1 19.70000076 W

F2 - Processing parameters
SI 65536
SF 500.1700128 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

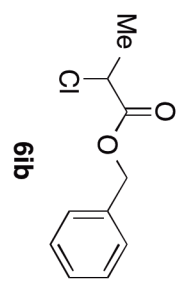
7.382
7.381
7.377
7.376
7.370
7.363
7.359
7.355
7.259

5.210

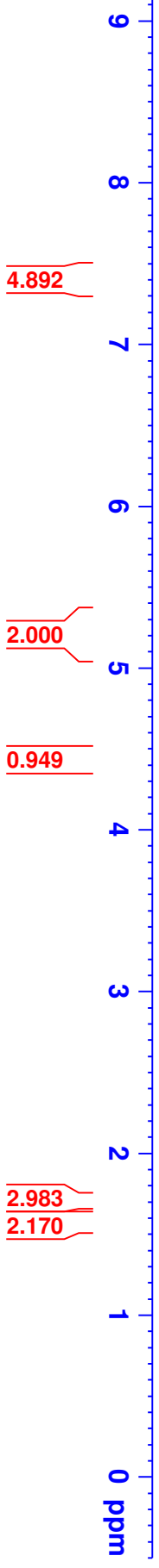
4.445
4.431

1.711
1.697
1.565

-0.000



¹H NMR



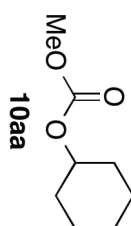
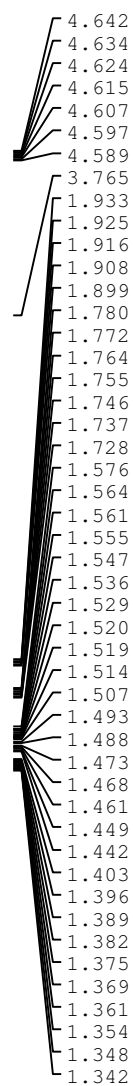
Current Data Parameters
NAME nkt224
EXPNO 20
PROCNO 1

F2 - Acquisition Parameters

Date_ 20140513
Time 13:57
INSTRUM spect
PROBHD 5 mm CPPBBO BB
PULPROG zg30
TD 65536
SOLVENT GDCl3
NS 8
DS 1
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 31.29
DW 62.400 usec
DE 10.00 usec
TE 300.0 K
D1 1.0000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730010 MHz
NUC1 1H
P1 12.00 usec
PLW1 13.5000000 W

F2 - Processing parameters
SI 65536
SF 500.1700098 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹H NMR

Current Data Parameters
 NAME nkt221
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20140509
 Time 19.23

INSTRUM 5 mm CPPBBO BB
 PROBHD spect
 PULPROG zg30
 TD 65536
 SOLVENT GDCl3
 NS 8
 DS 1
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 31.29
 DW 62.400 usec
 DE 10.00 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730010 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 13.50000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700132 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.392
7.382
7.380
7.376
7.369
7.367
7.363
7.356
7.354
7.351
7.346
7.341
7.258

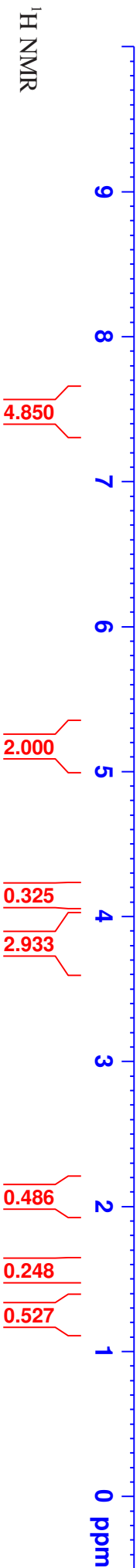
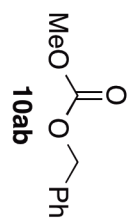
5.166

4.143
4.128
4.114
4.100
3.797

2.043

1.542
1.273
1.258
1.244

-0.000



Current Data Parameters
NAME nkt233tm
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140526
Time 13.10

INSTRUM spect
PROBHD 5 mm CPPBBO BB
PULPROG zg30
TD 65536
SOLVENT CDCl3

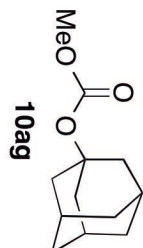
DS 4
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 31.29

DW 62.400 usec
DE 10.00 usec
TE 300.0 K
D1 1.0000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730010 MHz
NUC1 1H
P1 12.00 usec
PLW1 13.5000000 W

F2 - Processing parameters
SI 65536
SF 500.1700117 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.262
3.701
2.194
2.117
2.111
1.664
1.659
1.551
-0.000



¹H NMR

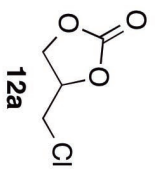
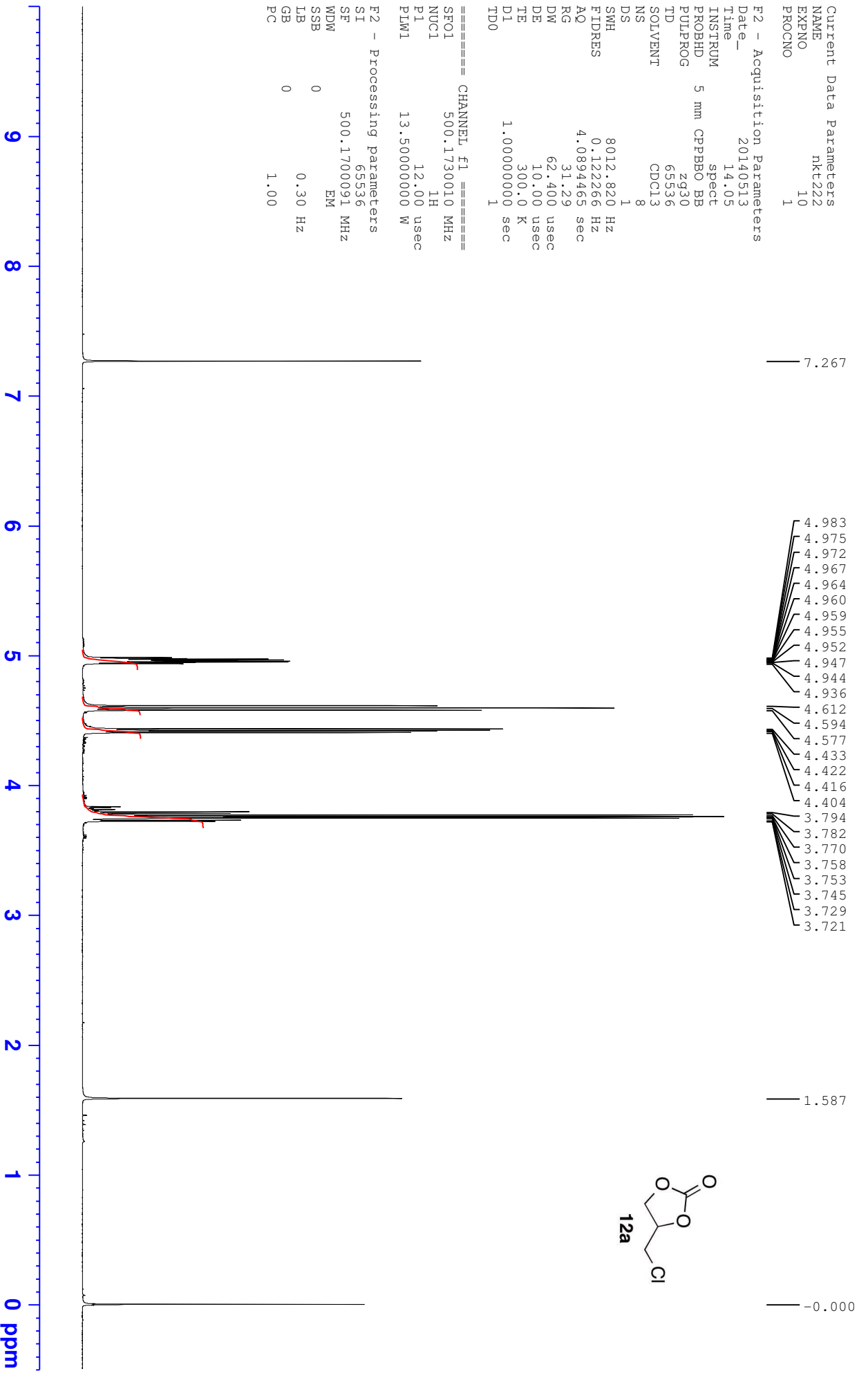
Current Data Parameters
NAME nkt222
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140513
Time 14.05

INSTRUM 5 mm CPPBBO BB
PROBHD z930
PULPROG 65536
TD 8
SOLVENT GDC13
NS 1
DS 1
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 31.29
DW 62.400 usec
DE 10.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730010 MHz
NUC1 1H
P1 12.00 usec
PLW1 13.50000000 W

F2 - Processing parameters
SI 65536
SF 500.1700091 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹H NMR

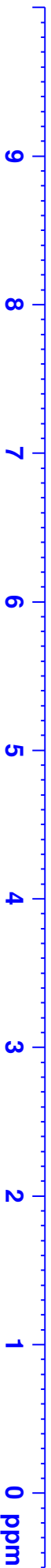
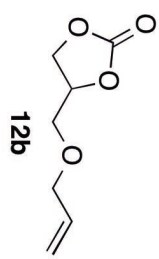
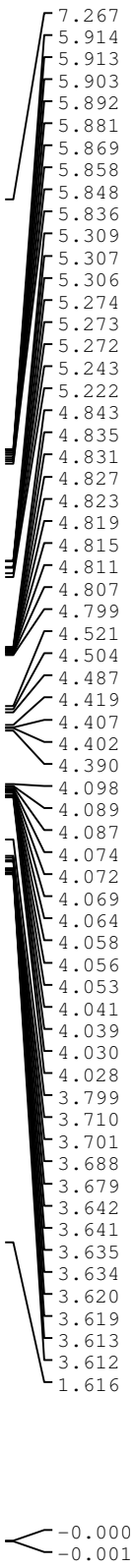
Current Data Parameters
 NAME nkt318
 EXPNO 10
 PROCNO 1

F2 - Acquisition Parameters

Date_ 20140911
 Time 10.52
 INSTRUM spect
 PROBD 5 mm CPPBBO BB
 PULPROG zg30
 TD 65536
 SOLVENT GDC13
 NS 16
 DS 2
 SWH 10000.000 Hz
 FIDRES 0.152588 Hz
 AQ 3.2767999 sec
 RG 31.29
 DW 50.000 usec
 DE 10.00 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 13.50000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700084 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



1.000
2.078
1.015
1.074
1.082
2.142
2.181

¹H NMR

Current Data Parameters

NAME	nkt322
EXPNO	10
PROCNO	1

F2 - Acquisition Parameters

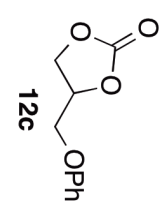
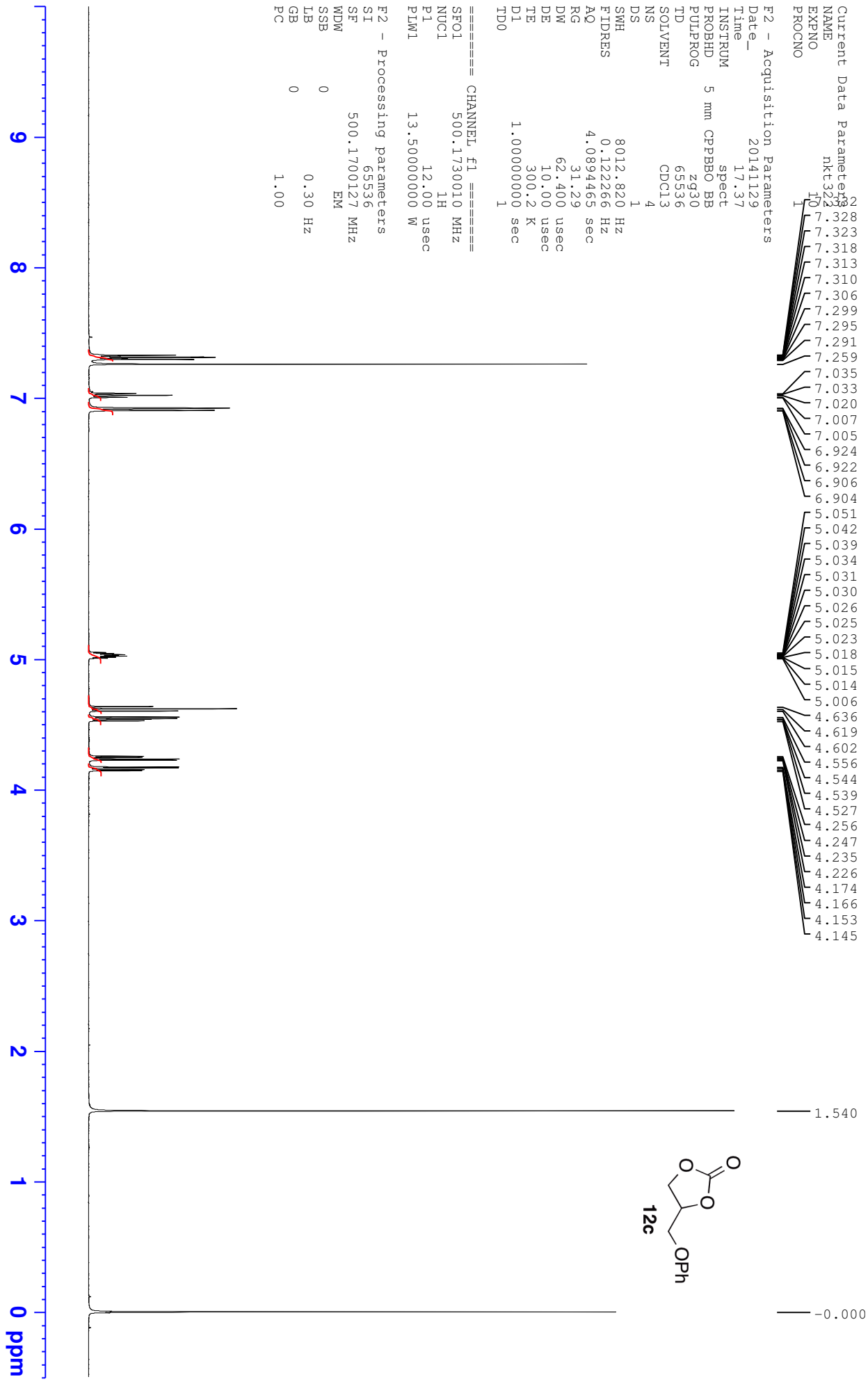
Date_	20141129
Time	17.37
INSTRUM	spect
PROBHD	5 mm CPPBBO BB
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	4
DS	1
SWH	8012.820 Hz
FIDRES	0.122266 Hz
AO	4.0894465 sec
RG	31.29
DW	62.400 usec
DE	10.00 usec
TE	300.2 K
D1	1.00000000 sec
TD0	1

==== CHANNEL f1 =====

SFO1	500.1730010 MHz
NUC1	1H
P1	12.00 usec
PLW1	13.50000000 W

F2 - Processing parameters

SI	65536
SF	500.1700127 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00



¹H NMR

Current Data Parameters
 NAME nkt319
 EXPNO 10
 PROCNO 1

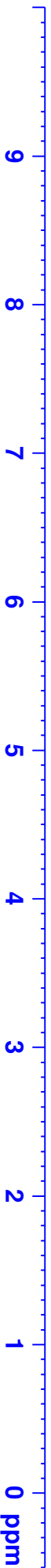
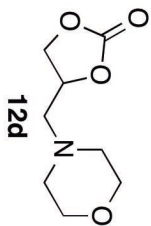
F2 - Acquisition Parameters
 Date_ 20140911
 Time 11.03

INSTRUM 5 mm CPPBBO BB
 PROBHD zq30
 PULPROG 65536
 TD 65536
 SOLVENT GDC13
 NS 16
 DS 2
 SWH 10000.000 Hz
 FIDRES 0.152588 Hz
 AQ 3.2767999 sec
 RG 31.29
 DW 50.000 usec
 DE 10.00 usec
 TE 300.0 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730888 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 13.5000000 W

F2 - Processing parameters
 SI 65536
 SF 500.1700084 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

- 7.538
- 7.267
- 7.116
- 7.098
- 6.883
- 6.702
- 5.302
- 5.082
- 4.851
- 4.840
- 4.837
- 4.835
- 4.829
- 4.826
- 4.824
- 4.821
- 4.815
- 4.813
- 4.810
- 4.799
- 4.548
- 4.532
- 4.515
- 4.260
- 4.246
- 4.243
- 4.229
- 3.790
- 3.709
- 3.709
- 3.700
- 3.691
- 2.697
- 2.690
- 2.686
- 2.680
- 2.605
- 2.596
- 2.582
- 2.573
- 2.564
- 2.556
- 2.546
- 2.533
- 2.523
- 1.640
- 1.260
- 0.000



¹H NMR

Current Data Parameters
 NAME nkt283
 EXPNO 20
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20141129
 Time 17.41
 INSTRUM spect
 PROBHD 5 mm CPPBBO BB
 PULPROG zg30
 TD 65536
 SOLVENT GDC13
 NS 4
 DS 1
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 31.29
 DW 62.400 usec
 DE 10.00 usec
 TE 300.1 K
 D1 1.00000000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 500.1730010 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 13.50000000 W

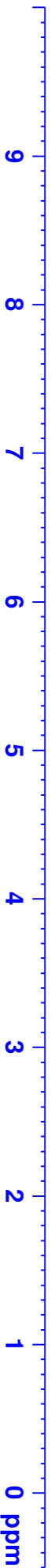
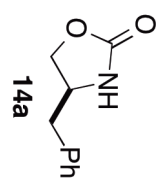
F2 - Processing parameters
 SI 65536
 SF 500.1700120 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.359
7.345
7.330
7.296
7.282
7.260
7.189
7.186
7.172

5.106
4.495
4.478
4.462
4.173
4.162
4.155
4.144
4.114
4.103
4.100
4.098
4.087
4.082
4.075
4.071
2.918
2.906
2.891
2.879
2.872
2.856
2.845
2.829

1.570

-0.000



2.035
1.831
2.065

1.000

1.040
1.053
1.045

2.144

Current Data Parameters
NAME nkt317
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters

Date_ 20140920
Time 16:31
INSTRUM spect
PROBHD 5 mm CPPBBO BB
PULPROG zg30
TD 65536
SOLVENT GDC13
NS 8
DS 1
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 31.29
DW 62.400 usec
DE 10.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
SFO1 500.1730010 MHz
NUC1 1H
P1 12.00 usec
PLW1 13.50000000 W

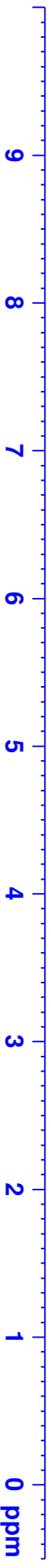
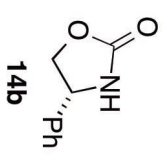
F2 - Processing parameters
SI 65536
SF 500.1700122 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

7.430
7.417
7.413
7.404
7.402
7.385
7.382
7.371
7.361
7.358
7.353
7.347
7.344
7.342
7.260

5.263
4.970
4.955
4.939
4.765
4.747
4.730
4.221
4.207
4.203
4.189

1.551

-0.000



Current Data Parameters
 NAME: 15
 EXPNO: 2
 PROCNO: 1
 F2 - Acquisition Parameters
 Date_: 20141129
 Time: 17.46
 INSTRUM: spect
 PROBHD: 5 mm CPPBBO BB
 PULPROG: zg30
 TD: 65536
 SOLVENT: CDCl3
 NS: 4
 DS: 1
 SWH: 8012.820 Hz
 FIDRES: 0.122266 Hz
 AQ: 4.0894465 sec
 RG: 31.29
 DW: 62.400 usec
 DE: 10.00 usec
 TE: 300.1 K
 D1: 1.00000000 sec
 TD0: 1

==== CHANNEL f1 =====
 SFO1 500.1730010 MHz
 NUC1 1H
 P1 12.00 usec
 PLW1 13.50000000 W
 F2 - Processing parameters
 SI 65536
 SF 500.1700097 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

9.877
9.826
8.022
8.020
7.562
7.560
7.551
7.547
7.544
7.535
7.532
7.530
7.446
7.443
7.430
7.418
7.415
7.265
4.968
4.960
4.952
4.947
4.939
4.931
4.926
4.918
4.910
4.469
4.463
3.532
2.110
2.100
2.092
1.658
1.634
1.632
1.628
1.607
1.588
1.578
1.453
1.363
1.354
1.334
1.313
1.310
1.307
1.287
1.281

