Metal-catalyzed Rearrangement of Homoallylic Ethers to Silylmethyl Allylic Silanes in
the Presence of a Di-*t*-butylsilylene Source

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Current Data Parameters
 User: C. Barry
 Name: I-185a-pac
 EXPNO: 5
 PROCNO: 1
 F2 - Acquisition Parameters
 Date_: 20040623
 Time: 10.49
 INSTRUM: gnm500
 PROBHD: 5 mm broadband
 PULPROG: zg30
 TO: 61728
 SOLVENT: CDCl3
 NS: 8
 DS: 2
 SWH: 8012.820 Hz
 FIDRES: 0.098043 Hz
 AQ: 5.0998774 sec
 RG: 912.3
 DW: 62.400 usec
 DE: 8.00 usec
 TE: 300.2 K
 D1: 0.10000000 sec
 ***** CHANNEL f1 *****
 NUC1: 1H
 P1: 11.50 usec
 PL1: -3.00 dB
 SFO1: 500.1355010 MHz
 F2 - Processing parameters
 SI: 65536
 SF: 500.1500374 MHz
 WDW: EM
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 4.00
 LO NMR Plot Parameters
 CX: 22.80 cm
 CY: 10.500 cm
 F1: 5251.58 Hz
 F2: -500.000 ppm
 F3: -250.00 Hz
 PPMCM: 0.48246 ppm/cm
 HZCM: 241.30046 Hz/cm

3-24

ppm

7.26829

5.82570

5.81202

5.80484

5.79113

5.77388

5.77020

5.75652

5.7770

5.07472

5.07127

5.04306

5.04008

5.03665

5.01924

5.01282

5.01168

5.00930

4.99437

4.99195

4.99082

4.98842

3.99049

3.98745

3.97705

3.97406

3.96065

3.95354

3.94799

3.93494

3.92940

3.91632

3.90725

3.89330

3.88588

3.87464

2.47161

2.46046

2.45806

2.45557

2.44445

1.61071

1.60948

1.58604

1.58117

1.56786

1.56544

1.02946

1.01572

0.93158

0.91682

0.90172

0.00012

Current Data Parameters
USER cteary
NAME SM-17-pac
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20050717
Time 16:55
INSTRUM spect
PROBHD 5 mm CP1C1 1H-
PULPROG zgpg30
TO 81728
SOLVENT CDCl3
NS 1
DS 2
SWH 8012.820 Hz
FIDRES 0.098043 Hz
AQ 5.0959398 sec
RG 8
DM 62.400 usec
DE 6.00 usec
TE 298.0 K
D1 0.100000 sec
DELTA 0.000000 sec
MCORE 0.000000 sec
MCORR 0.01500000 sec

----- CHANNEL f1 -----
NUC1 1H
P1 8.00 usec
PL1 1.60 dB
SFO1 500.2135015 MHz

F2 - Processing parameters
SI 65536
SF 500.210272 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 4.00
10 NMR plot parameters
CX 22.80 cm
CY 2.85 cm
F1P 10.500 ppm
F1 552.21 Hz
F2P -0.500 ppm
F2 -250.11 Hz
PPMCM 0.48246 ppm/cm
HZCM 241.32941 Hz/cm

S-25

Current Data Parameters
NAME: 01234567
EXPNO: 1
PROCNO: 1
F2 - Acquisition Parameters
Date_: 20050822
Time: 15.54
INSTRUM: cryo500
PROBHD: 5 mm DPTCI 1H-
PULPROG: zg30
TD: 65536
SOLVENT: CDCl3
AQ: 2.00
RG: 2
SWH: 8012.820 Hz
FIDRES: 0.086943 Hz
AQ: 5.0399598 sec
RG: 101.6
DM: 62.400 usec
DE: 6.00 usec
TE: 298.0 K
D1: 0.10000000 sec
MCREST: 0.00000000 sec
MCMRK: 0.01500000 sec
----- CHANNEL f1 -----
NUC1: 1H
P1: 12.00 usec
PL1: 0.00 dB
SFO1: 500.225015 MHz
F2 - Processing parameters
SI: 65536
SF: 500.2250313 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 4.00
1D NMR plot parameters
CX: 22.80 cm
CY: 1.00 cm
F1P: 10.500.00m
F1: 5282.31 Hz
F2P: -0.500.00m
F2: -250.11 Hz
PPMCK: 0.48246 ppm/cm
HZCM: 241.33423 Hz/cm

S-26

```
Current Data Parameters
USER          clearly
NAME          p-5-pac
EXPNO         2
PROCNO        1
```

F2 - Acquisition Parameters	
Date_	20050711
Time	12.04
INSTRUM	CRYM500
PROBHD	5 mm CPTCI 1H-13
TD	7930
DELTA	0.1728
SOLVENT	CDCl3
NS	2
DS	2
SKIN	8012.820 Hz
FIDRES	0.09403 Hz
AD	5.0939396 sec
RG	32
DE	62.400 USEC
DM	6.00 USEC
TE	298.0 K
D1	0.10000000 sec
DELTA	0.00000000 sec
WCHST	0.00000000 sec
WDMK	0.01500000 sec

```
===== CHANNEL f1 =====
NUC1      1H
P1        8.00 USEC
PL1       1.60 DB
SF01     500.2135015 MHZ
```

F2 - Processing parameters	
FI	65536
SF	500.2100415 MHz
MDW	no
SSB	0
LB	0.00 Hz
GB	0
GC	4.00

ID	NMR plot parameters
1X	22.90 cm
1Y	20.42 cm
1P	10.500 ppm
1	5252.21 Hz
2P	-0.500 ppm
2	-250.11 Hz
PPMCM	0.48246 ppm/cm
HZCM	241.32942 Hz/cm

=====

Injection Date : 9/23/2004 2:16:37 PM Seq. Line : 12
Sample Name : II-78-pac Location : Vial 23
Acq. Operator : stacie Inj : 1
Inj Volume : 1 µl
Actual Inj Volume : 3 µl

Different Inj Volume from Sequence !
Acq. Method : C:\HPCHEM\1\METHODS\DEBORAH.M
Last changed : 9/17/2004 4:21:44 PM by dms
Analysis Method : C:\HPCHEM\1\METHODS\WALTER.M
Last changed : 8/10/2005 6:39:26 PM by jelena
(modified after loading)

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Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.880	BB	0.0782	3.75215e5	9.47979e4	99.13633
2	3.866	PP	0.1138	911.48907	213.32741	0.24083
3	10.005	PP	0.1130	387.58972	55.79218	0.10241
4	11.482	BB	0.1367	161.12878	21.20123	0.04257
5	12.696	BV	0.2594	267.64267	15.98244	0.07071
6	14.593	VV	0.4218	193.94586	7.66346	0.05124
7	17.504	MM	0.0438	1210.29541	460.35300	0.31977
8	17.698	MM	19.5532	136.76703	1.16577e-1	0.03614

Totals : 3.78484e5 9.55723e4

Results obtained with enhanced integrator!

*** End of Report ***

ppm

Current Data Parameters
USER: clemey
NAME: 1-1319000
EXPNO: 1
PROCNO: 1

F2 - Acquisition Parameters
Date_: 20040429
Time: 11.43
INSTRUM: omega500
PROBHD: 5 mm broadband
PULPROG: zgpg30
TD: 65536
SOLVENT: CDCl3
NS: 1
DS: 0
SWH: 8012.820 Hz
FIDRES: 0.098043 Hz
AQ: 5.058774 sec
RG: 327.5
DE: 62.400 usec
TE: 300.2 K
D1: 0.10000000 sec

***** CHANNEL f1 *****
NUC1: 1H
P1: 13.00 usec
PL1: -1.00 dB
SFO1: 500.225015 MHz

F2 - Processing parameters
SI: 65536
SF: 500.215980 MHz
WDW: none
SSB: 0
LB: 0.00 Hz
GB: 0
PC: 4.00

1D NMR plot parameters
CZ: 25.00 cm
FAP: 10.500 ppm
F1: 5252.31 Hz
F2: -0.500 ppm
F3: -250.11 Hz
PPMCM: 0.48246 ppm/cm
HZCM: 241.33421 Hz/cm

5-29

¹H spectrum

Current Data Parameters
USER clesary
NAME SM-16-pac
EXPNO 113
PROCNO 1

F2 - Acquisition Parameters
Date_ 20050917
Time 14:35
INSTRUM spect
PROBHD 5 mm BBO BBH-1H
PULPROG zgpg30
TD 97538
SOLVENT CDCl3
NS 8
DS 2
SWH 9615.385 Hz
FIDRES 0.098178 Hz
AQ 5.092855 sec
RG 724
DM 52.000 usec
DE 6.00 usec
TE 292.3 K
D1 0.1000000 sec
T00 1

----- CHANNEL f1 -----
NUC1 1H
P1 9.00 usec
PL1 -5.00 dB
SFO1 500.1342033 MHz
F2 - Processing parameters
SI 65536
SF 600.1300348 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 22.80 cm
CY 9.94 cm
F1 10.500 ppm
F2 630.717 Hz
F3 500.1300348 MHz
F4 -300.07 Hz
PPMCK 0.46246 ppm/cm
HZCM 288.53641 Hz/cm

residual
allylic
protons

5-31

2H spectrum (measure via the lock channel without changing any cables)

7.4605
7.24077
7.02973
2.38098
2.37386

Current Data Parameters
USER Cleary
NAME SM-16-pac
EXPNO 12
PROCNO 1
F2 - Acquisition Parameters
Date_ 20050817
Time 8.47
INSTRUM cryo500
PROBHD 5 mm CPTCI 1H-
PULPROG zgpg30
TD 15884
SOLVENT CDCl3
NS 50
DS 4
SWH 1230.316 Hz
FIDRES 0.075602 Hz
AQ 6.6559141 sec
RG 352
DN 406.400 usec
DE 20.39 usec
TE 298.0 K
D1 0.10000000 sec
d11 0.03000000 sec
DPO 0.02000000 sec
ACREST 0.00000000 sec
MCWK 0.01500000 sec
***** CHANNEL f1 *****
NUC1 2H
P1 33.00 usec
PL1 0.50 dB
SFO1 76.787535 MHz
F2 - Processing parameters
SI 32768
SF 76.7867566 MHz
WDW EM
SSB 0
LB 0.50 Hz
GB 0
PC 1.00
10 NMR plot parameters
CX 22.80 cm
CY 22.37 cm
FJP 10.500 ppm
F1 806.26 Hz
F2 -0.500 ppm
F2 -38.39 Hz
PNUC 0.48246 ppm/cm
HZCM 37.04625 Hz/cm

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0.0000

Integr 1

wdd

Current Data Parameters				F2 - Acquisition Parameters				F2 - Processing parameters				1D MMK plot parameters								
USER	INSTRUM	EXPNO	PROCNO	Date_	Time	PROBHD	PULPROG	TD	SOLVENT	NUC1	NUC2	SI	SI	SI	SI	SI	SI	SI	SI	
NAME	NAME	NAME	NAME																	
P-6-PAC	cryst500	cryst500	1	20050818	12.33	5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
4						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
1						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-	zg30	8128	CDCl3	8128	828	Hz	5.00 usec	220019.1 MHz	65556	EM	0	0.30 Hz	0	4.00
						5 mm CPIC1 H-														

S-33

²H spectrum (measure via the lock channel without changing any cables)

ppm
7.452
7.298
7.029

NO peaks in ²H NMR

Current Data Parameters
User: cteary
Name: P-6-04c
EXPNO: 5
PROCNO: 1
F2 - Acquisition Parameters
Date_: 20050818
Time: 12.45
INSTRUM: cryo500
PROBHD: 5 mm CPTCI 1H-
PULPROG: zgpg30
TD: 65536
SOLVENT: CDCl₃
NS: 121
DS: 2
SWH: 1230.315 Hz
FIDRES: 0.172952 Hz
AQ: 6.595141 sec
RG: 2.0
DT: 405.1400 usec
DE: 20.29 usec
TE: 298.2 K
D1: 0.10000000 sec
d11: 0.03600000 sec
D20: 0.02500000 sec
MCHES1: 0.00000000 sec
MCHES2: 0.01500000 sec
***** CHANNEL f1 *****
NUC1: 2H
P1: 33.00 usec
PL1: 0.50 dB
SFO1: 76.7873535 MHz
F2 - Processing parameters
SI: 65536
SF: 76.7857794 MHz
RG: 0
NUC2: 1H
SFO2: 500.136453 MHz
PC: 1.00
1D NMR plot parameters
CX: 22.80 cm
CY: 174.92 cm
F1P: 10.500 ppm
F1: 806.26 Hz
F2P: -0.500 ppm
F2: -38.39 Hz
PPHM: 0.48245 ppm/cm
HZCM: 37.04625 Hz/cm

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Integral

100.00

ppm

0

1

2

3

4

5

6

7

8

9

10

Current Data Parameters
USR: clemmy
INSTRUM: 1H-127-pac
PROBHD: 5 mm CPTCL 1H-
PULPROG: zg30
TD: 65536
SOLVENT: CDCl₃
NS: 1
DS: 2
SWH: 8012.820 Hz
FIDRES: 0.098043 Hz
AQ: 5.0555555 sec
RG: 327.6
DM: 62.400 usec
DE: 6.00 usec
TE: 298.0 K
D1: 0.10000000 sec
MCHREST: 0.00000000 sec
MCHRK: 0.01500000 sec

===== CHANNEL f1 =====
NUC1: 1H
P1: 8.00 usec
PL1: 0.00 dB
PC1: 1.00 dB
SF01: 500.233015 MHz

F2 - Processing parameters
SI: 65536
SF: 500.220365 MHz
WDW: no
SSB: 0
LB: 0.00 Hz
GB: 0
PC: 4.00

1D NMR plot parameters
CX: 22.80 cm
CY: 19.93 cm
FID: 10.500 dB
F1P: 5232.31 Hz
F2P: 250.11 Hz
PRCM: 0.48246 cm/cm
HZCM: 241.33423 Hz/cm

S-35

¹H spectrum

536

2H spectrum (measure via the lock channel without changing any cables)

Current Data Parameters
USER: jk
NAME: 1V-127-0000
EXPNO: 2
PROCNO: 1
F2 - Acquisition Parameters
Date_: 20050818
Time: 9.07
INSTRUM: cryo500
PROBHD: 5 mm CPTCI 1H-
PULPROG: zgpg30
TO: 16384
SOLVENT: CDCl3
NS: 50
DS: 2
SWH: 1230.315 Hz
FIDRES: 0.075092 Hz
AQ: 6.5589141 sec
RG: 312
DM: 406.4000000 sec
DE: 20.0000000 sec
TE: 298.0
D1: 0.10000000 sec
d11: 0.03000000 sec
D20: 0.02000000 sec
MCPRST: 0.00000000 sec
MCNRK: 0.01500000 sec
***** CHANNEL f1 *****
NUC1: 2H
P1: 33.00 usec
PL1: 0.50 dB
SF01: 76.787335 MHz
F2 - Processing parameters
SI: 65536
SF: 76.7867607 MHz
WDW: no
SSB: 0
LB: 0.00 Hz
GB: 0
PC: 1.00
1D NMR plot parameters
CX: 22.60 cm
CY: 656.44 cm
FIP: 10.500 ppm
F1: 606.26 Hz
F2P: -0.500 ppm
F2: -36.39 Hz
PPMCM: 0.46246 ppm/cm
HZCM: 37.04625 Hz/cm

S-37

* non-deuterated substrate
shown for comparison *

Current Data Parameters
USER: cinary
NAME: P-2-pac
EXPNO: 1
PROCNO: 1
F2 - Acquisition Parameters
Date_: 20050619
Time: 17.42
INSTRUM: cryo500
PROBHD: 5 mm CPIC 1H-
PULPROG: zgpg30
D1: 0.1728
SOLVENT: CDCl3
NS: 8
DS: 2
SWH: 8012.820 Hz
FIDRES: 0.059043 Hz
AQ: 5.0595398 sec
RG: 64
DM: 62.400 usec
DE: 6.00 usec
TE: 298.0 K
D1: 0.1000000 sec
MCREST: 0.0000000 sec
MCWIR: 0.0150000 sec
----- CHANNEL f1 -----
NUC1: 1H
P1: 8.00 usec
PL1: 1.50 dB
SFO1: 500.2135015 MHz
F2 - Processing Parameters
SI: 65536
SF: 500.2100319 MHz
WDW: no
SSB: 0
LB: 0.00 Hz
GB: 0
PC: 4.00
1D NMR plot parameters
CX: 22.80 cm
CY: 19.48 cm
FIP: 10.500 ppm
F1: 5252.21 Hz
F2: -0.500 ppm
PPMCM: -250.11 Hz
HZCM: 0.48246 ppm/cm
241.32941 Hz/cm

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P-2-pac
1H spectrum

5.05579
5.02986
5.01765
4.98673
4.98007
4.97835
4.96801
4.96605
4.94431

3.40850
3.39903

Current Data Parameters
USER cjeary
NAME P-2-pac
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20050619
Time 17.42
INSTRUM cryo500
PROBHD 5 mm CPTCI 1H-
PULPROG zgpg30
TD 65536
SOLVENT CDCl₃
NS 8
DS 2
SWH 8012.820 Hz
FIDRES 0.098043 Hz
AQ 5.039336 sec
RG 64
DM 62.400 usec
DE 6.00 usec
TE 298.0 K
D1 0.1000000 sec
ACQRES 0.0000000 sec
MCPRK 0.01500000 sec
----- CHANNEL f1 -----
NUC1 1H
P1 8.00 usec
PL1 1.50 dB
SFO1 500.2135015 MHz
F2 - Processing parameters
SI 65536
SF 500.2100319 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 4.00
1D NMR plot parameters
CX 22.80 cm
CY 19.48 cm
F1P 5.3900 ppm
F1 2651.11 Hz
F2P 3.200 ppm
F2 1600.67 Hz
PPMCM 0.09211 ppm/cm
HZCM 46.07199 Hz/cm

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ppm

Current Data Parameters
 USER III-90-pac
 NAME III-90-pac
 EXPNO 1
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20050202
 Time 15:03
 INSTRUM spect
 PULPROG zgpg30
 TO 1500
 SOLVENT CDCl3
 NS 8
 DS 2
 SMH 6410.256 Hz
 FIDRES 0.097813 Hz
 AQ 5.118579 sec
 RG 203.2
 DM 78.000 usec
 DE 4.50 usec
 TE 300.0 K
 D1 0.1000000 sec
 CHANNEL f1
 NUC1 1H
 P1 12.00 usec
 PL1 0.00 dB
 SF01 400.132603 MHz
 F2 - Processing parameters
 SI 65536
 SF 400.1239565 MHz
 WDW EM
 SSF 0
 LB 0.30 Hz
 GB 0
 PC 2.00
 ID MH plot parameters
 CX 22.80 cm
 F1P 10.500 ppm
 F1 4201.37 Hz
 F2P -0.500 ppm
 F2 -200.07 Hz
 PPM0H 0.46246 ppm/cm
 HZ0H 193.04518 Hz/cm

1:1 mixture of diastereomers

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```
Current Data Parameters
USER          ccleary
NAME          SU-1-pac
EXPNO         1
PROCNO        1
```

F2 - Acquisition Parameters	
Date_	20050620
Time	10:58:10
INSTRUM	crf5500
PROBHD	5 mmC11H4-
PULPROG	zg30
TD	2
RG	81728
SD	1
NS	1
DS	2
SWH	804.2820 Hz
FIDRES	0.08043 Hz
RG	5.093538 sec
AD	18
DE	62.400 usec
DM	6.00 usec
TE	298.0 K
D1	0.1000000 sec
MCNST	0.0000000 sec
PCPRG1	0.01500000 sec
MCPRG	0.01500000 sec

```
===== CHANNEL F1 =====
NUC1      1H
P1        8.00 USEC
PL1       1.60 dB
SF01      500.2135015 MHZ
```

f2 - Processing parameters	
SI	65536
SF	500.2100317 MHz
WDW	na
SSB	0
LB	0.00 Hz
GB	0
PC	4.00

1D NMR plot parameters	
CX	22.80 cm
CY	11.62 cm
F1P	10.500 ppm
F1	5252.21 Hz
F2P	-0.500 ppm
F2	-250.11 Hz
PPWCM	0.48246 ppm/cm
HZCM	241.32941 Hz/cm

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Current Data Parameters
 USER Cleary
 NAME SU-2-1-pac
 EXPNO 1
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20050716
 Time 16:22
 INSTRUM spect
 PROBHD 5 mm broad
 PULPROG zgpg30
 TO 81728
 SOLVENT CDCl3
 NS 10
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.098043 Hz
 AQ 5.0999396 sec
 RG 512
 DW 62.400 usec
 DE 6.00 usec
 TE 298.0 K
 D1 0.10000000 sec
 ACQRES 0.10000000 sec
 PCPRG 0.01500000 sec
 CHANNEL f1
 NUC1 1H
 P1 11.50 usec
 PL1 -3.00 dB
 SFO1 500.045003 MHz
 F2 - Processing parameters
 SI 65536
 SF 500.0400323 MHz
 WDW EM
 SSF 0
 LB 0.30 Hz
 GB 0
 PC 4.00
 ID NMR plot parameters
 CX 22.80 cm
 CY 14.30 cm
 F1P 10.500 ppm
 F1 5250.42 Hz
 F2P -0.500 ppm
 F2 -250.02 Hz
 PPMCM 0.48246 ppm/cm
 HZCM 241.24739 Hz/cm

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