Supporting Information Part 2

Stereoselective Synthesis of Allyl-C-Mannosyl Compounds: Use of a Temporary Silicon Connection in Intramolecular Allylation Strategies with Allylsilanes

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^1H -NMR and ^{13}C -NMR Data
for Compounds Described in Full Paper

S44

S45

100% C-13 NMR of compound in CDCl3 at 125°C, set temp
 1400

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S50

Julien Beignet J81-4 in CDCl3 at +31C, set temp
dca500, Gradient COSY90

NAME 00c4j030
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20001025
Time 7.02
INSTRUM gpc500
PROBHD 5 mm TBI H/C
PULPROG convp
TD 2048
SOLVENT CDCl3
NS 8
DS 16
SWH 3720.236 Hz
FIDRES 1.81622 Hz
AQ 0.2793012 sec
RG 161
DN 134.400 usec
DE 5.50 usec
TE 300.0 K
d0 0.00000300 sec
d1 2.00000000 sec
d13 0.00000300 sec
d16 0.00010000 sec
TMO 0.00026890 sec

CHANNEL f1 -----
NUC1 1H
PC 10.60 usec
P1 10.60 usec
PL1 1.00 dB
SFO1 500.1320671 MHz

GRADIENT CHANNEL -----
GPMAX1 SINE.100
GPMAX SINE.100
GPX1 0.00 %
GPX2 0.00 %
GPI1 0.00 %
GPI2 0.00 %
GPT1 10.00 %
GPT2 10.00 %
P16 1000.00 usec

F1 - Acquisition parameters
NUC 1
TD 65536
SFO1 500.1321 MHz
FIDRES 7.269090 Hz
SW 7.438 ppm

F2 - Processing parameters
SI 2048
SF 500.1300236 MHz
WDM SINE
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
NC2 GF
SF 500.1300236 MHz
WDM SINE
SSB 0
LB 0.00 Hz
GB 0

2D NMR plot parameters
CK2 20.00 cm
CK1 20.00 cm
F2PLD 7.442 ppm
F2PL 3721.64 Hz
F2PH1 2.546 ppm
F2PH 1774.52 Hz
F1PLD 7.445 ppm
F1PL 3729.65 Hz
F1PH1 2.537 ppm
F1PH 1769.07 Hz
F2PPMCH 6.18466 ppm/cm
F2DCM 97.30861 Hz/cm
F1PPMCH 6.19541 ppm/cm
F1DCM 97.72691 Hz/cm

21

COSY

Julien Beignet JB-1-17-iii in CDCl3 at +31C, set temp
drx500

Current Data Parameters
NAME nv30jbid
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20001130
Time 15.52
INSTRUM drx500
PROBHD 5 mm TBI H/C
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 5952.381 Hz
FIDRES 0.181662 Hz
AQ 2.7525620 sec
RG 128
DN 84.000 usec
DE 5.50 usec
TE 300.0 K
D1 1.50000000 sec

CHANNEL f1
NUC1 1H
P1 10.50 usec
PL1 1.00 dB
SFO1 500.136127 MHz

F2 - Processing parameters
SI 32768
SF 500.1300236 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 0.20

1D NMR plot parameters
CX 40.00 cm
F1P 8.833 ppm
F1 4417.69 Hz
F2P -0.214 ppm
F2 -106.90 Hz
FINDM 0.22617 ppm/cm
HZCM 113.11480 Hz/cm

Current Data Parameters
NAME nv30b1d
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20001201
Time 4.07
INSTRUM drx500
PROBHD 5 mm TBI H/C
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 10200
DS 0
SWH 32679.738 Hz
FIDRES 0.498653 Hz
AQ 1.0027508 sec
RG 2896.3
DW 15.300 usec
DE 5.50 usec
TE 304.0 K
D1 1.00000000 sec
d11 0.03000000 sec
L4 500

===== CHANNEL f1 =====
NUC1 13C
P1 6.00 usec
PL1 -2.00 dB
SFO1 125.7707390 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 100.00 usec
PL2 8.00 dB
PL12 22.00 dB
SFO2 500.1325006 MHz

F2 - Processing parameters
SI 32768
SF 125.7577925 MHz
WDW EM
SSB 0
LB 5.00 Hz
GB 0
PC 0.20

Julien Beignet JB-1-17-iii in CDCl3 at +31C, set temp
drx500, 13C, 1H-decoupled

Julien Beignet JB-1-17-111 in CDCl3 at 131C, set temp
drx500, Gradient COSY90

Current Data Parameters
NAME mv30jbid
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20001130
Time 19.41
INSTRUM drx500
PROBHD 5 mm TBI H/C
PULPROG cosyppg
TD 2048
SOLVENT CDCl3
NS 8
DS 16
SWH 4310.345 Hz
FIDRES 2.104061 Hz
AQ 0.2376190 sec
RG 128
CW 115.000 usec
DE 5.50 usec
TE 300.0 K
d0 0.0000300 sec
d1 2.0000000 sec
d13 0.0000300 sec
d16 0.0001000 sec
DM 0.0002500 sec

CHANNEL f1
NUC1 1H
P0 10.30 usec
P1 10.30 usec
PL1 1.00 dB
SFO1 500.1319771 MHz

GRADIENT CHANNEL
GPMAX1 SINE.100
GPMAX2 SINE.100
GPR1 0.00 %
GPR2 0.00 %
GPR3 0.00 %
GPR4 0.00 %
GPR5 10.00 %
GPR6 10.00 %
P16 1000.00 usec

F1 - Acquisition parameters
ND0 1
TD 512
SFO1 500.132 MHz
FIDRES 8.418642 Hz
SW 8.618 ppm

F2 - Processing parameters
SI 2048
SF 500.1300236 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 GF
SF 500.1300236 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0

2D NMR plot parameters
CK2 20.00 cm
CK1 20.00 cm
F2PL0 7.474 ppm
F2L0 3738.04 Hz
F2PH0 2.012 ppm
F2H0 1006.19 Hz
F1PL0 7.533 ppm
F1L0 3767.51 Hz
F1PH0 1.970 ppm
F1H0 965.19 Hz
F2PACH 0.27311 ppm/cm
F2ACH 136.59247 Hz/cm
F1PACH 0.27816 ppm/cm
F1ACH 139.11807 Hz/cm

Julien Beignot JB-1-17-111 in CDCl3 at +31C, set temp
 400x500, Gradient HSQC

Current Data Parameters

NAME	VALUE
EXPNO	2
PROCNO	1

F2 - Acquisition Parameters

NAME	VALUE
Date_	20011130
Time	17.08
INSTRUM	gpc500
PROBHD	5 mm TBI 1H/13
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	8
DS	4
SWH	4019.345 Hz
F2FREQ	101.625130 MHz
AQ	0.0370000 sec
RG	327.68
DM	118.000 umsec
DE	5.00 umsec
TE	300.2 K
CHEM2	146.0000000
NUC1	13C
NUC2	1H
PC1	10.00 umsec
PC2	20.00 umsec
PL1	0.00 dB
PL2	0.00 dB
PL3	0.00 dB
PL4	0.00 dB
PL5	0.00 dB
PL6	0.00 dB
PL7	0.00 dB
PL8	0.00 dB
PL9	0.00 dB
PL10	0.00 dB
PL11	0.00 dB
PL12	0.00 dB
PL13	0.00 dB
PL14	0.00 dB
PL15	0.00 dB
PL16	0.00 dB
PL17	0.00 dB
PL18	0.00 dB
PL19	0.00 dB
PL20	0.00 dB
PL21	0.00 dB
PL22	0.00 dB
PL23	0.00 dB
PL24	0.00 dB
PL25	0.00 dB
PL26	0.00 dB
PL27	0.00 dB
PL28	0.00 dB
PL29	0.00 dB
PL30	0.00 dB
PL31	0.00 dB
PL32	0.00 dB
PL33	0.00 dB
PL34	0.00 dB
PL35	0.00 dB
PL36	0.00 dB
PL37	0.00 dB
PL38	0.00 dB
PL39	0.00 dB
PL40	0.00 dB
PL41	0.00 dB
PL42	0.00 dB
PL43	0.00 dB
PL44	0.00 dB
PL45	0.00 dB
PL46	0.00 dB
PL47	0.00 dB
PL48	0.00 dB
PL49	0.00 dB
PL50	0.00 dB
PL51	0.00 dB
PL52	0.00 dB
PL53	0.00 dB
PL54	0.00 dB
PL55	0.00 dB
PL56	0.00 dB
PL57	0.00 dB
PL58	0.00 dB
PL59	0.00 dB
PL60	0.00 dB
PL61	0.00 dB
PL62	0.00 dB
PL63	0.00 dB
PL64	0.00 dB
PL65	0.00 dB
PL66	0.00 dB
PL67	0.00 dB
PL68	0.00 dB
PL69	0.00 dB
PL70	0.00 dB
PL71	0.00 dB
PL72	0.00 dB
PL73	0.00 dB
PL74	0.00 dB
PL75	0.00 dB
PL76	0.00 dB
PL77	0.00 dB
PL78	0.00 dB
PL79	0.00 dB
PL80	0.00 dB
PL81	0.00 dB
PL82	0.00 dB
PL83	0.00 dB
PL84	0.00 dB
PL85	0.00 dB
PL86	0.00 dB
PL87	0.00 dB
PL88	0.00 dB
PL89	0.00 dB
PL90	0.00 dB
PL91	0.00 dB
PL92	0.00 dB
PL93	0.00 dB
PL94	0.00 dB
PL95	0.00 dB
PL96	0.00 dB
PL97	0.00 dB
PL98	0.00 dB
PL99	0.00 dB
PL100	0.00 dB

F1 - Acquisition Parameters

NAME	VALUE
EXPNO	2
PROCNO	1
Date_	20011130
Time	17.08
INSTRUM	gpc500
PROBHD	5 mm TBI 1H/13
PULPROG	zgpg30
TD	65536
SOLVENT	CDCl3
NS	8
DS	4
SWH	4019.345 Hz
F2FREQ	101.625130 MHz
AQ	0.0370000 sec
RG	327.68
DM	118.000 umsec
DE	5.00 umsec
TE	300.2 K
CHEM2	146.0000000
NUC1	13C
NUC2	1H
PC1	10.00 umsec
PC2	20.00 umsec
PL1	0.00 dB
PL2	0.00 dB
PL3	0.00 dB
PL4	0.00 dB
PL5	0.00 dB
PL6	0.00 dB
PL7	0.00 dB
PL8	0.00 dB
PL9	0.00 dB
PL10	0.00 dB
PL11	0.00 dB
PL12	0.00 dB
PL13	0.00 dB
PL14	0.00 dB
PL15	0.00 dB
PL16	0.00 dB
PL17	0.00 dB
PL18	0.00 dB
PL19	0.00 dB
PL20	0.00 dB
PL21	0.00 dB
PL22	0.00 dB
PL23	0.00 dB
PL24	0.00 dB
PL25	0.00 dB
PL26	0.00 dB
PL27	0.00 dB
PL28	0.00 dB
PL29	0.00 dB
PL30	0.00 dB
PL31	0.00 dB
PL32	0.00 dB
PL33	0.00 dB
PL34	0.00 dB
PL35	0.00 dB
PL36	0.00 dB
PL37	0.00 dB
PL38	0.00 dB
PL39	0.00 dB
PL40	0.00 dB
PL41	0.00 dB
PL42	0.00 dB
PL43	0.00 dB
PL44	0.00 dB
PL45	0.00 dB
PL46	0.00 dB
PL47	0.00 dB
PL48	0.00 dB
PL49	0.00 dB
PL50	0.00 dB
PL51	0.00 dB
PL52	0.00 dB
PL53	0.00 dB
PL54	0.00 dB
PL55	0.00 dB
PL56	0.00 dB
PL57	0.00 dB
PL58	0.00 dB
PL59	0.00 dB
PL60	0.00 dB
PL61	0.00 dB
PL62	0.00 dB
PL63	0.00 dB
PL64	0.00 dB
PL65	0.00 dB
PL66	0.00 dB
PL67	0.00 dB
PL68	0.00 dB
PL69	0.00 dB
PL70	0.00 dB
PL71	0.00 dB
PL72	0.00 dB
PL73	0.00 dB
PL74	0.00 dB
PL75	0.00 dB
PL76	0.00 dB
PL77	0.00 dB
PL78	0.00 dB
PL79	0.00 dB
PL80	0.00 dB
PL81	0.00 dB
PL82	0.00 dB
PL83	0.00 dB
PL84	0.00 dB
PL85	0.00 dB
PL86	0.00 dB
PL87	0.00 dB
PL88	0.00 dB
PL89	0.00 dB
PL90	0.00 dB
PL91	0.00 dB
PL92	0.00 dB
PL93	0.00 dB
PL94	0.00 dB
PL95	0.00 dB
PL96	0.00 dB
PL97	0.00 dB
PL98	0.00 dB
PL99	0.00 dB
PL100	0.00 dB

F2 - Processing parameters

NAME	VALUE
SI	32768
WDW	EM
SSB	0
LB	0.00 Hz
GB	0
PC	1.00

F1 - Processing parameters

NAME	VALUE
SI	32768
WDW	EM
SSB	0
LB	0.00 Hz
GB	0
PC	1.00

2D NMR plot parameters

NAME	VALUE
CH2	17.00 cm
CH1	17.00 cm
F2PLD	7.445 ppm
F2LD	3703.31 Hz
F2PLD	-1.003 ppm
F2LD	-31.41 Hz
F2PLD	130.995 ppm
F2LD	16713.85 Hz
F2PLD	-1.225 ppm
F2LD	-154.85 Hz
F2PLD	0.44102 ppm/cm
F2LD	230.86857 Hz/cm
F2PLD	7.88000 ppm/cm

Julien Beignet JB-1-17-iii in CDCl₃ at +31C, set temp
drx500, 1D-GOESY

Positive signals

nOe's

Julien Beignet JB-1-17-iii in CDCl₃ at +31C, set temp
drx500, 1D-GOESY

Positive signals

nOe's

Julien Beignet JR-1-2611 in CDCl3 at 131C, set temp
dms500, Gradient COSY90

```
NAME      1a15b1d
EXPNO     4
PROCNO    1

F2 - Acquisition Parameters
Date_     20010115
Time      19.31
INSTRUM   spect
PROBHD    5 mm BBI 1H/C
PULPROG   cosy90
TD         2048
SOLVENT   CDCl3
NS         8
DS         16
SWH        4125.413 Hz
FIDRES     2.014362 Hz
AQ         0.2482676 sec
RG         64
DM         121.200 usec
DE         9.50 usec
TE         300.0 K
d0         0.00000300 sec
D1         2.00000000 sec
d13        0.00000300 sec
D15        0.00010000 sec
TNO        0.00024240 sec

----- CHANNEL f1 -----
NUC1       13C
P0         10.35 usec
P1         10.35 usec
PL1        1.00 dB
SFO1       500.132079 MHz

----- GRADIENT CHANNEL -----
GPMAX1     SINE 100
GPMAX2     SINE 100
GPX1       0.00 %
GPX2       0.00 %
BPT1       0.00 %
BPT2       0.00 %
BPT3       10.00 %
GPZ2       10.00 %
P15        1000.00 usec

F1 - Acquisition parameters
NO        1
TD         512
SFO1       500.132 MHz
FIDRES     9.057446 Hz
SW         8.248 ppm

F2 - Processing parameters
SI         2048
SF         500.1300238 MHz
WDW        SINC
SSB         0
LB         0.00 Hz
GB         0
PC         1.00

F1 - Processing parameters
SI         1024
WDW        GF
SF         500.1300238 MHz
WDW        SINC
SSB         0
LB         0.00 Hz
GB         0

2D NMR plot parameters
CX2        20.00 cm
CX1        20.00 cm
F2PL0      7.648 ppm
F2L0       3824.98 Hz
F2PH1      1.941 ppm
F2H1       970.63 Hz
F1PL0      7.660 ppm
F1L0       3831.02 Hz
F1PH1      1.909 ppm
F1H1       954.52 Hz
F2PMCH     0.28536 ppm/cm
F2HCM      142.71753 Hz/cm
F1PMCH     0.28706 ppm/cm
F1HCM      143.82542 Hz/cm
```

The figure displays the NMR spectra and chemical structure of compound 23. The top spectrum is the ^1H NMR spectrum, showing peaks in the aromatic region (6.5-7.5 ppm) and aliphatic region (1.5-5.5 ppm). The bottom spectrum is the ^{13}C NMR spectrum, showing peaks from 10 to 160 ppm. The central 2D HSQC spectrum correlates the ^1H and ^{13}C signals. The chemical structure of compound 23 is shown in the bottom right, featuring a cyclohexane ring with various substituents including OBn, OAc, and a vinyl group.

20 1001 plot parameters	
CX2	17.00 cm
CX1	17.00 cm
FAPLD	7.471 ppm
FALO	3736.20 Hz
FAPHC	0.785 ppm
FPHI	360.51 Hz
FUPLD	135.410 ppm
FULO	17025.85 Hz
FUPHC	52.300 ppm
FPHI	1054.37 Hz
FAPNCH	0.26325 ppm/cm
FUPNCH	156.66640 Hz/cm
FAPNCH	7.23623 ppm/cm
FUPNCH	910.26037 Hz/cm

Julien Beignet JB-1-25ii in CDCl3 at +31C, set temp
drx500, Gradient HMBC

23
HMBC

Current Data Parameters
NAME jrb19116
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20010110
Time 14.07
INSTRUM drx500
PROBHD 5 mm TBI H/C
PULPROG invgpp1rind
TD 2048
SOLVENT CDCl3
NS 16
DS 36
SWH 4120.413 Hz
FIDRES 2.914362 Hz
AQ 0.0483576 sec
RG 32786
DW 121.203 usec
DE 5.50 usec
TE 300.2 K
CHST2 160.000000
d0 0.0000000 sec
d1 2.0000000 sec
d2 0.0012500 sec
d3 0.1000000 sec
d15 0.0000000 sec
d16 0.0000000 sec
d20 0.0000210 sec

CHANNEL F1
NUC1 1H
P1 10.30 usec
PL1 20.70 usec
PL1 1.00 dB
SFO1 500.136078 MHz

CHANNEL F2
NUC2 13C
P2 12.70 usec
PL2 0.00 dB
SFO2 125.769078 MHz

GRADIENT CHANNEL
SFOH1 SINE.100
SFOH2 SINE.100
SFOH3 SINE.100
SFO1 0.00 %
SFO2 0.00 %
SFO3 0.00 %
SFO4 0.00 %
SFO5 0.00 %
SFO6 0.00 %
SFO7 0.00 %
SFO8 0.00 %
SFO9 0.00 %
SFO10 0.00 %
SFO11 0.00 %
SFO12 0.00 %
SFO13 0.00 %
SFO14 0.00 %
SFO15 0.00 %
SFO16 0.00 %
SFO17 0.00 %
SFO18 0.00 %
SFO19 0.00 %
SFO20 0.00 %
SFO21 0.00 %
SFO22 0.00 %
SFO23 0.00 %
SFO24 0.00 %
SFO25 0.00 %
SFO26 0.00 %
SFO27 0.00 %
SFO28 0.00 %
SFO29 0.00 %
SFO30 0.00 %
SFO31 0.00 %
SFO32 0.00 %
SFO33 0.00 %
SFO34 0.00 %
SFO35 0.00 %
SFO36 0.00 %
SFO37 0.00 %
SFO38 0.00 %
SFO39 0.00 %
SFO40 0.00 %
SFO41 0.00 %
SFO42 0.00 %
SFO43 0.00 %
SFO44 0.00 %
SFO45 0.00 %
SFO46 0.00 %
SFO47 0.00 %
SFO48 0.00 %
SFO49 0.00 %
SFO50 0.00 %
SFO51 0.00 %
SFO52 0.00 %
SFO53 0.00 %
SFO54 0.00 %
SFO55 0.00 %
SFO56 0.00 %
SFO57 0.00 %
SFO58 0.00 %
SFO59 0.00 %
SFO60 0.00 %
SFO61 0.00 %
SFO62 0.00 %
SFO63 0.00 %
SFO64 0.00 %
SFO65 0.00 %
SFO66 0.00 %
SFO67 0.00 %
SFO68 0.00 %
SFO69 0.00 %
SFO70 0.00 %
SFO71 0.00 %
SFO72 0.00 %
SFO73 0.00 %
SFO74 0.00 %
SFO75 0.00 %
SFO76 0.00 %
SFO77 0.00 %
SFO78 0.00 %
SFO79 0.00 %
SFO80 0.00 %
SFO81 0.00 %
SFO82 0.00 %
SFO83 0.00 %
SFO84 0.00 %
SFO85 0.00 %
SFO86 0.00 %
SFO87 0.00 %
SFO88 0.00 %
SFO89 0.00 %
SFO90 0.00 %
SFO91 0.00 %
SFO92 0.00 %
SFO93 0.00 %
SFO94 0.00 %
SFO95 0.00 %
SFO96 0.00 %
SFO97 0.00 %
SFO98 0.00 %
SFO99 0.00 %
SFO100 0.00 %

F1 - Acquisition parameters
NUC1 1H
TD 65536
SFO1 500.136078 MHz
FIDRES 2.914362 Hz
AQ 0.0483576 sec

F2 - Processing parameters
SI 32768
SF 500.136078 MHz
WDW HANN
SSB 0
LB 0.00 Hz
GB 0
PC 0.20

F1 - Processing parameters
SI 32768
SF 500.136078 MHz
WDW HANN
SSB 0
LB 0.00 Hz
GB 0
PC 0.20

2D NMR plot parameters
CX2 17.00 cm
CX1 17.00 cm
F2PL0 7.800 ppm
F2PL1 3804.84 Hz
F2PL2 0.777 ppm
F2PL3 388.48 Hz
F2PL4 174.763 ppm
F2PL5 21877.77 Hz
F2PL6 17.700 ppm
F2PL7 2037.26 Hz
F2PL8 0.40162 ppm/cm
F2PL9 200.00010 Hz/cm
F2PL10 9.23368 ppm/cm
F2PL11 1181.20067 Hz/cm

net Beta mannoside in CDCl₃ at +270, set temp
SY90, AV400

CROSS-OVER EXPERIMENT

Julien Beignet
 1H sample in CDCl3.

Current Data Parameters
 NAME j127jbid
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20010727
 Time 10.36
 INSTRUM drx500
 PROBRD 5 mm TE1 H/C
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 32
 DS 0
 SWH 4528.985 Hz
 FIDRES 0.138214 Hz
 AQ 3.6176372 sec
 RG 322.5
 DW 110.400 usec
 DE 5.50 usec
 TE 300.0 K
 D1 1.50000000 sec

CHANNEL f1
 NUC1 1H
 P1 10.50 usec
 PL1 1.00 dB
 SFO1 500.1320220 MHz

F2 - Processing parameters
 SI 32768
 SF 500.1299483 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00

30

30

Julien Beignet Sample 16/12/01 in CDCl₃ at +27°C, set temp
drx500, Gradient COSY90

Julien Beignet Sample 18/12/01 in CDCl3 at +27°C, sat temp
drex500, Gradient HSQC

Current Data Parameters
NAME: drex500
EXPNO: 2
PROCNO: 1

F2 - Acquisition Parameters
Date_: 20010218
Time: 17.15
INSTRUM: spect
PROBHD: 5 mm TBI H/C
PULPROG: zgpg30
TD: 65536
SOLVENT: CDCl3
NS: 8
DS: 16
SWH: 4551.701 Hz
FIDRES: 2.076020 Hz
AQ: 0.2460046 sec
RG: 32768
SQ: 117.080 umsec
TE: 300.2 K
CMT2: 145.000000 sec
d0: 0.0000000 sec
d1: 2.0000000 sec
d4: 0.00170414 sec
d11: 0.0000000 sec
d13: 0.0000000 sec
d16: 0.00010000 sec
d20: 0.00110000 sec
d21: 0.00001714 sec
TNO: 0.00001330 sec

===== CHANNEL f1 =====
NUC1: 13C
P1: 10.40 umsec
PL1: 0.00 dB
PC1: 500.1316736 MHz

===== CHANNEL f2 =====
CPDPRG2: gpg3
NUC2: 1H
P2: 12.00 umsec
PL2: 20.00 umsec
PCPD2: 76.00 umsec
PL2: 0.00 dB
PL12: 15.00 dB
PCPD2: 125.7689454 MHz

===== GRABBER CHANNEL =====
SFO1: 500.1316736 MHz
SFO2: 500.1316736 MHz
SFO3: 500.1316736 MHz
SFO4: 500.1316736 MHz
SFO5: 500.1316736 MHz
SFO6: 500.1316736 MHz
SFO7: 500.1316736 MHz
SFO8: 500.1316736 MHz
SFO9: 500.1316736 MHz
SFO10: 500.1316736 MHz
SFO11: 500.1316736 MHz
SFO12: 500.1316736 MHz
SFO13: 500.1316736 MHz
SFO14: 500.1316736 MHz
SFO15: 500.1316736 MHz
SFO16: 500.1316736 MHz
SFO17: 500.1316736 MHz
SFO18: 500.1316736 MHz
SFO19: 500.1316736 MHz
SFO20: 500.1316736 MHz
SFO21: 500.1316736 MHz
SFO22: 500.1316736 MHz
SFO23: 500.1316736 MHz
SFO24: 500.1316736 MHz
SFO25: 500.1316736 MHz
SFO26: 500.1316736 MHz
SFO27: 500.1316736 MHz
SFO28: 500.1316736 MHz
SFO29: 500.1316736 MHz
SFO30: 500.1316736 MHz
SFO31: 500.1316736 MHz
SFO32: 500.1316736 MHz
SFO33: 500.1316736 MHz
SFO34: 500.1316736 MHz
SFO35: 500.1316736 MHz
SFO36: 500.1316736 MHz
SFO37: 500.1316736 MHz
SFO38: 500.1316736 MHz
SFO39: 500.1316736 MHz
SFO40: 500.1316736 MHz
SFO41: 500.1316736 MHz
SFO42: 500.1316736 MHz
SFO43: 500.1316736 MHz
SFO44: 500.1316736 MHz
SFO45: 500.1316736 MHz
SFO46: 500.1316736 MHz
SFO47: 500.1316736 MHz
SFO48: 500.1316736 MHz
SFO49: 500.1316736 MHz
SFO50: 500.1316736 MHz
SFO51: 500.1316736 MHz
SFO52: 500.1316736 MHz
SFO53: 500.1316736 MHz
SFO54: 500.1316736 MHz
SFO55: 500.1316736 MHz
SFO56: 500.1316736 MHz
SFO57: 500.1316736 MHz
SFO58: 500.1316736 MHz
SFO59: 500.1316736 MHz
SFO60: 500.1316736 MHz
SFO61: 500.1316736 MHz
SFO62: 500.1316736 MHz
SFO63: 500.1316736 MHz
SFO64: 500.1316736 MHz
SFO65: 500.1316736 MHz
SFO66: 500.1316736 MHz
SFO67: 500.1316736 MHz
SFO68: 500.1316736 MHz
SFO69: 500.1316736 MHz
SFO70: 500.1316736 MHz
SFO71: 500.1316736 MHz
SFO72: 500.1316736 MHz
SFO73: 500.1316736 MHz
SFO74: 500.1316736 MHz
SFO75: 500.1316736 MHz
SFO76: 500.1316736 MHz
SFO77: 500.1316736 MHz
SFO78: 500.1316736 MHz
SFO79: 500.1316736 MHz
SFO80: 500.1316736 MHz
SFO81: 500.1316736 MHz
SFO82: 500.1316736 MHz
SFO83: 500.1316736 MHz
SFO84: 500.1316736 MHz
SFO85: 500.1316736 MHz
SFO86: 500.1316736 MHz
SFO87: 500.1316736 MHz
SFO88: 500.1316736 MHz
SFO89: 500.1316736 MHz
SFO90: 500.1316736 MHz
SFO91: 500.1316736 MHz
SFO92: 500.1316736 MHz
SFO93: 500.1316736 MHz
SFO94: 500.1316736 MHz
SFO95: 500.1316736 MHz
SFO96: 500.1316736 MHz
SFO97: 500.1316736 MHz
SFO98: 500.1316736 MHz
SFO99: 500.1316736 MHz
SFO100: 500.1316736 MHz

F1 - Acquisition parameters
NUC1: 13C
TD: 65536
SFO1: 125.7689454 MHz
FIDRES: 36.712675 Hz
SQ: 149.459 ppm

F2 - Processing parameters
SI: 2048
SF: 500.1316736 MHz
WDW: EM
SSB: 2
LB: 0.00 Hz
GB: 0
PC: 1.00

F1 - Processing parameters
SI: 1024
SF: 125.7689454 MHz
WDW: EM
SSB: 2
LB: 0.00 Hz
GB: 0

2D NMR plot parameters
CX2: 17.00 cm
CX3: 17.00 cm
F2PL0: 7.458 ppm
F1PL0: 3714.10 Hz
F2PL1: 0.000 ppm
F2PL2: 14.62 Hz
F2PL3: 137.895 Hz
F1PL1: 17340.56 Hz
F1PL2: -0.777 ppm
F1PL3: -87.71 Hz
F2FREQ: 0.45812 ppm/cm
F1FREQ: 217.61625 Hz/cm
CROSSPO: 0.00000000

Julien Reiguet Sample 18/12/01 in CDCl₃ at 427C, set temp
 drx500, Gradient HSQC

Julien Beignet Sample 18/12/01 in CDCl₃ at +27°C, set temp
 drx500, Gradient HSQC

30
HSQC

Julien Beignet Sample 18/12/04 in CDCl₃ at +27°C. set temp
 drx500, Gradient HSQC

30
 HSQC

Julien Reignet Sample 10/12/01 in CDCl₃ at +27°C, set temp
 drx500, Gradient HSQC

30
HSQC

$\frac{1}{\sqrt{2}}$

2D NMR plot parameters	
CK2	17.00 cm
CK1	17.00 cm
F2PLD	4.720 ppm
F2LO	2580.53 Hz
F2PH	5.408 ppm
F2G	1704.01 Hz
F1PLD	69.190 ppm
F1LO	15212.33 Hz
F1PH	75.914 ppm
F1G	60040.70 Hz
F2PMON	0.07716 ppm/cm
F2PMON	36.58905 Hz/cm
F1PMON	0.54380 ppm/cm
F1PMON	68.36673 Hz/cm

Julien Beignet Sample 18/12/01 in CDCl3 at +27°C, rot temp
 400 MHz, Gradient HMBC, long range coupling set for 2 Hz

30
 HMBC

2J
 2J
 2H₃

Current Data Parameters
 NAME: 20010101
 EXPNO: 2
 PROCNO: 1

F2 - Acquisition Parameters
 Date_: 20011201
 Time: 18.05
 INSTRUM: spect
 PROBRD: 5 mm TBI H/C
 PULPROG: zgpg30
 TO: 20.48
 SOLVENT: CDCl3
 NS: 35
 DS: 35
 SWH: 4054.701 Hz
 FIDRES: 2.076005 Hz
 AQ: 0.2408045 sec
 RG: 32755
 CN: 117.000 usec
 DE: 9.90 usec
 TE: 300.0 K
 CHGT2: 100.000000
 D0: 0.00000000 sec
 D1: 2.00000000 sec
 d2: 0.00312500 sec
 D3: 0.05000000 sec
 d13: 0.00000000 sec
 d18: 0.00010000 sec
 D19: 0.00000000 sec

CHANNEL F1
 NUC1: 1H
 P1: 10.40 usec
 P2: 20.00 usec
 PL1: 1.00 dB
 RF01: 500.1318736 MHz

CHANNEL F2
 NUC2: 13C
 P3: 12.00 usec
 PL2: 0.00 dB
 RF02: 125.7600076 MHz

GRADIENT CHANNEL
 GPMW1: SINE, 100
 GPMW2: SINE, 100
 GPMW3: SINE, 100
 GPC1: 0.00 %
 GPC2: 0.00 %
 GPC3: 0.00 %
 GPC4: 0.00 %
 GPC5: 0.00 %
 GPC6: 0.00 %
 GPC7: 0.00 %
 GPC8: 0.00 %
 GPC9: 0.00 %
 GPC10: 0.00 %
 GPC11: 0.00 %
 GPC12: 0.00 %
 GPC13: 0.00 %
 GPC14: 0.00 %
 GPC15: 0.00 %
 GPC16: 0.00 %
 GPC17: 0.00 %
 GPC18: 0.00 %
 GPC19: 0.00 %
 GPC20: 0.00 %
 GPC21: 0.00 %
 GPC22: 0.00 %
 GPC23: 0.00 %
 GPC24: 0.00 %
 GPC25: 0.00 %
 GPC26: 0.00 %
 GPC27: 0.00 %
 GPC28: 0.00 %
 GPC29: 0.00 %
 GPC30: 0.00 %
 GPC31: 0.00 %
 GPC32: 0.00 %
 GPC33: 0.00 %
 GPC34: 0.00 %
 GPC35: 0.00 %
 GPC36: 0.00 %
 GPC37: 0.00 %
 GPC38: 0.00 %
 GPC39: 0.00 %
 GPC40: 0.00 %
 GPC41: 0.00 %
 GPC42: 0.00 %
 GPC43: 0.00 %
 GPC44: 0.00 %
 GPC45: 0.00 %
 GPC46: 0.00 %
 GPC47: 0.00 %
 GPC48: 0.00 %
 GPC49: 0.00 %
 GPC50: 0.00 %
 GPC51: 0.00 %
 GPC52: 0.00 %
 GPC53: 0.00 %
 GPC54: 0.00 %
 GPC55: 0.00 %
 GPC56: 0.00 %
 GPC57: 0.00 %
 GPC58: 0.00 %
 GPC59: 0.00 %
 GPC60: 0.00 %
 GPC61: 0.00 %
 GPC62: 0.00 %
 GPC63: 0.00 %
 GPC64: 0.00 %
 GPC65: 0.00 %
 GPC66: 0.00 %
 GPC67: 0.00 %
 GPC68: 0.00 %
 GPC69: 0.00 %
 GPC70: 0.00 %
 GPC71: 0.00 %
 GPC72: 0.00 %
 GPC73: 0.00 %
 GPC74: 0.00 %
 GPC75: 0.00 %
 GPC76: 0.00 %
 GPC77: 0.00 %
 GPC78: 0.00 %
 GPC79: 0.00 %
 GPC80: 0.00 %
 GPC81: 0.00 %
 GPC82: 0.00 %
 GPC83: 0.00 %
 GPC84: 0.00 %
 GPC85: 0.00 %
 GPC86: 0.00 %
 GPC87: 0.00 %
 GPC88: 0.00 %
 GPC89: 0.00 %
 GPC90: 0.00 %
 GPC91: 0.00 %
 GPC92: 0.00 %
 GPC93: 0.00 %
 GPC94: 0.00 %
 GPC95: 0.00 %
 GPC96: 0.00 %
 GPC97: 0.00 %
 GPC98: 0.00 %
 GPC99: 0.00 %
 GPC100: 0.00 %

F1 - Acquisition parameters
 NUC1: 1H
 TO: 20.48
 SWH: 4054.701 Hz
 FIDRES: 2.076005 Hz
 AQ: 0.2408045 sec

F2 - Processing parameters
 SI: 32755
 SF: 500.1318736 MHz
 WDW: EM
 SSF: 2
 LB: 0.00 Hz
 GB: 0
 PC: 0.20

F1 - Processing parameters
 SI: 1004
 SF: 125.7600076 MHz
 WDW: EM
 SSF: 2
 LB: 0.00 Hz
 GB: 0
 PC: 0.20

2D NMR plot parameters
 CX2: 17.00 cm
 CX1: 17.00 cm
 F2P1D: 4.732 ppm
 F2P1D: 2386.76 Hz
 F2P1D: 3.404 ppm
 F2P1D: 1702.43 Hz
 F2P1D: 80.888 ppm
 F2P1D: 11300.34 Hz
 F2P1D: 70.514 ppm
 F2P1D: 10042.76 Hz
 F2P1D: 0.07814 ppm/cm
 F2P1D: 30.07813 Hz/cm
 F2P1D: 0.58730 use/cm

S87

Julien Beignet JB B-94 (5) in d5-benzene at 127C, set temp
 400MHz, Gradient COSY90

Julien Beignet JB 8-94(6) in d6-benzene at +27C, set temp
drx500, Gradient HSQC

43b
HSQC

Current Data Parameters
NAME f023b1d
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20040302
Time 10.30
INSTRUM spect
PROBHD 5 mm HET H/C
PULPROG zgpg30
TD 2048
SOLVENT d6-benzene
NS 8
DS 10
SWH 4370.620 Hz
FIDRES 0.234512 Hz
AQ 0.234512 sec
RG 32768
DN 114.480 usec
DE 1.00 usec
TE 300.0 K
CHET2 140.000000
AQ 0.0000000 sec
DS 0.0000000 sec
S4 0.00170414 sec
S11 0.0000000 sec
S13 0.0000000 sec
S19 0.0001000 sec
S29 0.0010000 sec
S21 0.0000114 sec
S20 0.0000110 sec

===== CHANNEL f1 =====
NUC1 1H
P1 10.30 usec
PC 20.00 usec
PL1 0.00 dB
SFO1 500.1318204 MHz

===== CHANNEL f2 =====
CPDPRG2 gpgp
NUC2 13C
P2 12.00 usec
PC 24.00 usec
PCPD2 70.00 usec
PL2 -1.00 dB
PL12 10.00 dB
SFO2 125.7674689 MHz

===== GRADIENT CHANNEL =====
GPMW1 SINE.100
GPMW2 SINE.100
GPMW3 SINE.100
SP11 0.00 %
SP12 0.00 %
SP13 0.00 %
SP14 0.00 %
SP15 0.00 %
SP16 0.00 %
SP17 80.00 %
SP18 30.00 %
SP19 20.10 %
P18 1000.00 usec

F1 - Acquisition parameters
RG 4
TD 812
SFO1 500.1318204 MHz
FIDRES 0.234512 Hz
SW 170.852 ppm

F2 - Processing parameters
SI 32768
SF 500.1318204 MHz
WDW EM
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 32768
SF 500.1318204 MHz
WDW EM
SSB 0
LB 0.00 Hz
GB 0

2D NMR plot parameters
CQZ 17.00 cm
CQ1 17.00 cm
F0F0 7.775 ppm
F0F1 3000.00 Hz
F0F2 0.000 ppm
F0F3 19.00 Hz
F0F4 130.390 ppm
F1F2 1700.75 Hz
F1F3 -1.820 ppm
F1F4 -0.424 Hz
F2F3 0.000000 Hz/cm
F2F4 0.000000 Hz/cm
F2F5 8.31128 ppm/cm

Julien Beignet, JN R-94 (6) in d6-benzene at +27C, set temp
drx500, Gradient HMBC

Current Data Parameters
NAME: Fe02b16
EXPNO: 3
PROCNO: 1

F2 - Acquisition Parameters
Date_: 20040202
Time: 10.05
INSTRUM: drx500
PROBHD: 5 mm TBI 1H/C
PULPROG: invAgg13c13rd
TD: 32768
SOLVENT: d6-benzene
NS: 8
DS: 48
SWH: 5500.357 Hz
FIDRES: 2.724764 Hz
AQ: 0.1835008 sec
RG: 32768
DN: 99.500 usec
DE: 0.00 usec
TE: 300.0 K
CHET2: 100.000000
AQ: 0.0000000 sec
D1: 2.0000000 sec
d2: 0.0012000 sec
D6: 0.0000000 sec
D12: 0.0000000 sec
D18: 0.0001000 sec
DND: 0.0000000 sec

Channel f1
NUC1: 1H
P1: 10.30 usec
PC: 20.00 usec
PL1: 1.00 dB
SFO1: 500.132093 MHz

Channel f2
NUC2: 13C
P2: 12.00 usec
PL2: -1.00 dB
SFO2: 125.7674965 MHz

Gradient Channel
SFOH1: 500.132093 MHz
SFOH2: 500.132093 MHz
SFOH3: 500.132093 MHz
SFOH4: 500.132093 MHz
SFOH5: 500.132093 MHz
SFOH6: 500.132093 MHz
SFOH7: 500.132093 MHz
SFOH8: 500.132093 MHz
SFOH9: 500.132093 MHz
SFOH10: 500.132093 MHz
SFOH11: 500.132093 MHz
SFOH12: 500.132093 MHz
SFOH13: 500.132093 MHz
SFOH14: 500.132093 MHz
SFOH15: 500.132093 MHz
SFOH16: 500.132093 MHz
SFOH17: 500.132093 MHz
SFOH18: 500.132093 MHz
SFOH19: 500.132093 MHz
SFOH20: 500.132093 MHz
SFOH21: 500.132093 MHz
SFOH22: 500.132093 MHz
SFOH23: 500.132093 MHz
SFOH24: 500.132093 MHz
SFOH25: 500.132093 MHz
SFOH26: 500.132093 MHz
SFOH27: 500.132093 MHz
SFOH28: 500.132093 MHz
SFOH29: 500.132093 MHz
SFOH30: 500.132093 MHz
SFOH31: 500.132093 MHz
SFOH32: 500.132093 MHz
SFOH33: 500.132093 MHz
SFOH34: 500.132093 MHz
SFOH35: 500.132093 MHz
SFOH36: 500.132093 MHz
SFOH37: 500.132093 MHz
SFOH38: 500.132093 MHz
SFOH39: 500.132093 MHz
SFOH40: 500.132093 MHz
SFOH41: 500.132093 MHz
SFOH42: 500.132093 MHz
SFOH43: 500.132093 MHz
SFOH44: 500.132093 MHz
SFOH45: 500.132093 MHz
SFOH46: 500.132093 MHz
SFOH47: 500.132093 MHz
SFOH48: 500.132093 MHz
SFOH49: 500.132093 MHz
SFOH50: 500.132093 MHz
SFOH51: 500.132093 MHz
SFOH52: 500.132093 MHz
SFOH53: 500.132093 MHz
SFOH54: 500.132093 MHz
SFOH55: 500.132093 MHz
SFOH56: 500.132093 MHz
SFOH57: 500.132093 MHz
SFOH58: 500.132093 MHz
SFOH59: 500.132093 MHz
SFOH60: 500.132093 MHz
SFOH61: 500.132093 MHz
SFOH62: 500.132093 MHz
SFOH63: 500.132093 MHz
SFOH64: 500.132093 MHz
SFOH65: 500.132093 MHz
SFOH66: 500.132093 MHz
SFOH67: 500.132093 MHz
SFOH68: 500.132093 MHz
SFOH69: 500.132093 MHz
SFOH70: 500.132093 MHz
SFOH71: 500.132093 MHz
SFOH72: 500.132093 MHz
SFOH73: 500.132093 MHz
SFOH74: 500.132093 MHz
SFOH75: 500.132093 MHz
SFOH76: 500.132093 MHz
SFOH77: 500.132093 MHz
SFOH78: 500.132093 MHz
SFOH79: 500.132093 MHz
SFOH80: 500.132093 MHz
SFOH81: 500.132093 MHz
SFOH82: 500.132093 MHz
SFOH83: 500.132093 MHz
SFOH84: 500.132093 MHz
SFOH85: 500.132093 MHz
SFOH86: 500.132093 MHz
SFOH87: 500.132093 MHz
SFOH88: 500.132093 MHz
SFOH89: 500.132093 MHz
SFOH90: 500.132093 MHz
SFOH91: 500.132093 MHz
SFOH92: 500.132093 MHz
SFOH93: 500.132093 MHz
SFOH94: 500.132093 MHz
SFOH95: 500.132093 MHz
SFOH96: 500.132093 MHz
SFOH97: 500.132093 MHz
SFOH98: 500.132093 MHz
SFOH99: 500.132093 MHz
SFOH100: 500.132093 MHz

F1 - Acquisition parameters
NEO: 2
TD: 65536
SFO1: 125.7674965 MHz
FIDRES: 42.455640 Hz
DN: 172.802 pps

F2 - Processing parameters
SI: 32768
SF: 500.1300818 MHz
WDW: EM
SSB: 2
LB: 0.00 Hz
GB: 0
PC: 0.20

F1 - Processing parameters
SI: 1024
MC: 0
SF: 125.7674965 MHz
WDW: EM
SSB: 2
LB: 0.00 Hz
GB: 0

2D NMR plot parameters
CQ: 17.00 cm
CQ: 17.00 cm
FOLD: 7.677 ppm
FOLD: 3830.71 Hz
F2H1: -0.103 ppm
F2H2: -0.103 ppm
F2H3: -0.103 ppm
F2H4: -0.103 ppm
F2H5: -0.103 ppm
F2H6: -0.103 ppm
F2H7: -0.103 ppm
F2H8: -0.103 ppm
F2H9: -0.103 ppm
F2H10: -0.103 ppm
F2H11: -0.103 ppm
F2H12: -0.103 ppm
F2H13: -0.103 ppm
F2H14: -0.103 ppm
F2H15: -0.103 ppm
F2H16: -0.103 ppm
F2H17: -0.103 ppm
F2H18: -0.103 ppm
F2H19: -0.103 ppm
F2H20: -0.103 ppm
F2H21: -0.103 ppm
F2H22: -0.103 ppm
F2H23: -0.103 ppm
F2H24: -0.103 ppm
F2H25: -0.103 ppm
F2H26: -0.103 ppm
F2H27: -0.103 ppm
F2H28: -0.103 ppm
F2H29: -0.103 ppm
F2H30: -0.103 ppm
F2H31: -0.103 ppm
F2H32: -0.103 ppm
F2H33: -0.103 ppm
F2H34: -0.103 ppm
F2H35: -0.103 ppm
F2H36: -0.103 ppm
F2H37: -0.103 ppm
F2H38: -0.103 ppm
F2H39: -0.103 ppm
F2H40: -0.103 ppm
F2H41: -0.103 ppm
F2H42: -0.103 ppm
F2H43: -0.103 ppm
F2H44: -0.103 ppm
F2H45: -0.103 ppm
F2H46: -0.103 ppm
F2H47: -0.103 ppm
F2H48: -0.103 ppm
F2H49: -0.103 ppm
F2H50: -0.103 ppm
F2H51: -0.103 ppm
F2H52: -0.103 ppm
F2H53: -0.103 ppm
F2H54: -0.103 ppm
F2H55: -0.103 ppm
F2H56: -0.103 ppm
F2H57: -0.103 ppm
F2H58: -0.103 ppm
F2H59: -0.103 ppm
F2H60: -0.103 ppm
F2H61: -0.103 ppm
F2H62: -0.103 ppm
F2H63: -0.103 ppm
F2H64: -0.103 ppm
F2H65: -0.103 ppm
F2H66: -0.103 ppm
F2H67: -0.103 ppm
F2H68: -0.103 ppm
F2H69: -0.103 ppm
F2H70: -0.103 ppm
F2H71: -0.103 ppm
F2H72: -0.103 ppm
F2H73: -0.103 ppm
F2H74: -0.103 ppm
F2H75: -0.103 ppm
F2H76: -0.103 ppm
F2H77: -0.103 ppm
F2H78: -0.103 ppm
F2H79: -0.103 ppm
F2H80: -0.103 ppm
F2H81: -0.103 ppm
F2H82: -0.103 ppm
F2H83: -0.103 ppm
F2H84: -0.103 ppm
F2H85: -0.103 ppm
F2H86: -0.103 ppm
F2H87: -0.103 ppm
F2H88: -0.103 ppm
F2H89: -0.103 ppm
F2H90: -0.103 ppm
F2H91: -0.103 ppm
F2H92: -0.103 ppm
F2H93: -0.103 ppm
F2H94: -0.103 ppm
F2H95: -0.103 ppm
F2H96: -0.103 ppm
F2H97: -0.103 ppm
F2H98: -0.103 ppm
F2H99: -0.103 ppm
F2H100: -0.103 ppm

Julien Beignet JB B-94 (6) in d6-benzene at +27C, set temp
 drx500, Gradient phase sensitive NOESY, 400 ms mixing period

Current Data Parameters
 NAME fcd2b1d
 EXPNO 5
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20040203
 Time 0.21
 INSTRUM drx500
 PROCNO 5 ex TBI H/C
 PULPROG noesygtp
 TD 2048
 SOLVENT d6-benzene
 NS 8
 DS 16
 SWH 4486.403 Hz
 FIDRES 2.196509 Hz
 AQ 0.2277876 sec
 RG 322.5
 DM 111.200 usec
 DE 5.50 usec
 TE 300.0 K
 d0 0.0000300 sec
 D1 2.0000000 sec
 D8 0.40000001 sec
 D16 0.00010000 sec
 D20 0.19990000 sec
 DMO 0.0001120 sec

CHANNEL F1
 NUC1 1H
 P1 10.30 usec
 PE 21.00 usec
 PL1 1.00 dB
 SFO1 500.1319803 MHz

GRADIENT CHANNEL
 SPHASE1 SINE.100
 SPHASE2 SINE.100
 SPH1 0.00 %
 SPH2 0.00 %
 SPH1 0.00 %
 SPH2 0.00 %
 SPH1 40.00 %
 SPH2 -40.00 %
 P18 1000.00 usec

F1 - Acquisition parameters
 MD0 2
 TD 512
 SFO1 500.1319 MHz
 FIDRES 8.762037 Hz
 SW 8.990 pps

F2 - Processing parameters
 SI 2048
 SF 500.1300618 MHz
 WDW GELINE
 SSB 2
 LB 0.00 Hz
 GB 0
 PC 1.00

F1 - Processing parameters
 SI 1024
 MC2 TRP1
 SF 500.1300618 MHz
 WDW GELINE
 SSB 2
 LB 0.00 Hz
 GB 0

2D NMR plot parameters
 CK2 20.00 cm
 CK1 20.00 cm
 F2P10 7.959 ppm
 F2L0 3780.25 Hz
 F2P11 0.030 ppm
 F2L2 14.95 Hz
 F1P10 7.937 ppm
 F1L0 3769.29 Hz
 F1P11 -0.040 ppm
 F1L2 -20.16 Hz
 F2P10CH 0.37643 pps/cm
 F2L2CH 188.26491 Hz/cm
 F1P10CH 0.37643 pps/cm
 F1L2CH 188.26491 Hz/cm

Julien Beignet JB 8-94 (D) in CDCl3 at +27C, set temp
gpc500, Gradient COSY90

Current Data Parameters
NAME ja27jbid
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20040127
Time 17.34
INSTRUM gpc500
PROBHD 5 mm TBI H/C
PULPROG cosygd
TD 2048
SOLVENT CDCl3
NS 8
DS 16
SWH 4406.403 Hz
FIDRES 2.196509 Hz
AQ 0.2277876 sec
RG 406.4
DH 111.200 usec
DE 6.50 usec
TE 300.0 K
D0 0.00000300 sec
D1 2.00000000 sec
d13 0.00000300 sec
D16 0.00010000 sec
DND 0.00022240 sec

CHANNEL f1
NUC1 1H
P0 10.50 usec
P1 10.50 usec
PL1 1.00 dB
SFO1 500.1318683 MHz

GRADIENT CHANNEL
GPMAX1 SINE.100
GPMAX2 SINE.100
GPI1 0.00 %
GPI2 0.00 %
GPI1 0.00 %
GPI2 0.00 %
GPZ1 10.00 %
GPZ2 10.00 %
P16 1000.00 usec

F1 - Acquisition parameters
ND0 1
TD 512
SFO1 500.1319 MHz
FIDRES 8.782037 Hz
SW 8.990 ppm

F2 - Processing parameters
SI 2048
SF 500.1300238 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
HC2 GF
SF 500.1300238 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 20.00 cm
CY1 20.00 cm
F2PL0 8.062 ppm
F2L0 4026.82 Hz
F2PH1 -0.136 ppm
F2H1 -67.81 Hz
F1PL0 8.069 ppm
F1L0 4035.60 Hz
F1PH1 -0.114 ppm
F1H1 -96.83 Hz
F2PPMCM 0.40936 ppm/cm
F2HZCM 204.73125 Hz/cm
F1PPMCM 0.40914 ppm/cm
F1HZCM 204.62148 Hz/cm

20 MHz plot parameters	
CK2	17.00 cm
CK3	17.90 cm
F2PLD	7.955 ppm
F2LD	3777.27 Hz
F2PLH	0.533 ppm
F2H	266.68 Hz
F2PLD	137.493 ppm
F2H	17289.57 Hz
F2PLH	2.063 ppm
F2H	260.42 Hz
F2PMCH	0.41290 ppm/cm
F2HCM	206.50620 Hz/cm
F2PLMCH	7.36403 ppm/cm

Julien Beignet JB 8-94 (5) in CDCl3 at +27°C, set temp
dx500, Gradient HMBC

Current Data Parameters

NAME 1a27181d
EXPNO 3
PROCNO 1
Date_ 20040127
Time 14.00
INSTRUM draco
PROBHD 5 mm TBI 1H/C
PULPROG zgpg30
TD 65536
SOLVENT dms
NS 8
DS 16
SWH 2000.387 Hz
FIDRES 2.724784 Hz
AQ 0.183000 sec
RG 32768
DM 89.800 umsec
DE 8.50 umsec
TE 300.0 K
CHG2 186.0000000
D1 0.0000000 sec
D11 2.0000000 sec
d2 0.0012000 sec
D2 0.1000000 sec
d13 0.0000000 sec
D16 0.0001000 sec
IN0 0.0002300 sec

CHANNEL f1
NUC1 1H
P1 10.00 umsec
PL1 21.00 umsec
PL1 1.00 dB
SFO1 500.132663 MHz

CHANNEL f2
NUC2 13C
P2 12.00 umsec
PL2 -1.00 dB
SFO2 125.767499 MHz

GRADIENT CHANNEL
GPMAX1 SINE.100
GPMAX2 SINE.100
GPMAX3 SINE.100
BPC1 0.00 %
BPC2 0.00 %
BPC3 0.00 %
BPC4 0.00 %
BPC5 0.00 %
BPC6 50.00 %
BPC7 30.00 %
BPC8 40.10 %
P16 1000.00 umsec

F1 - Acquisition parameters
ND0 2
TD 65536
SFO1 125.767499 MHz
FIDRES 42.493040 Hz
SN 172.802 ppm

F2 - Processing parameters
SI 2048
SF 500.1300236 MHz
WDW 60316
SSB 2
LB 0.00 Hz
GB 0
PC 0.00

F3 - Processing parameters
SI 1024
SF 125.7577936 MHz
WDW 60316
SSB 2
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 17.00 cm
CX1 17.00 cm
F2PLD 7.601 ppm
F2LO 3801.40 Hz
F2H2 0.592 ppm
F2H1 260.38 Hz
F1PLD 141.328 ppm
F1LO 17779.86 Hz
F1H2 2.055 ppm
F1H1 259.43 Hz
F2PMON 0.41406 ppm/cm
F2FIDM 507.96957 Hz/cm
F1FIDM 0.13242 ppm/cm
F1H2CM 1030.26059 Hz/cm

Julien Beignet JB B-94 (5) in CDCl3 at +27C, set temp
drx500, Gradient phase-sensitive NOESY, 400 ms mixing period

Current Data Parameters
NAME jbz7jbid
EXPR 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 2004127
Time 20.12
INSTRUM drx500
PROBHD 5 mm TBI H/C
PULPROG noesygpr
TD 3048
SOLVENT CDCl3
NS 16
DS 16
SWH 4496.403 Hz
FIDRES 2.198209 Hz
AQ 0.2277876 sec
RG 362
DM 111.200 usec
DE 8.50 usec
TE 300.0 K
D0 0.00000000 sec
D1 2.00000000 sec
D8 0.40000001 sec
D16 0.00010000 sec
d20 0.19890000 sec
INQ 0.00011120 sec

CHANNEL f1
NUC1 1H
P1 10.50 usec
P2 21.00 usec
PL1 1.00 dB
SFO1 500.1318683 MHz

GRADIENT CHANNEL
GPMW1 SINE 100
GPMW2 SINE 100
SPX1 0.00 %
SPX2 0.00 %
SPY1 0.00 %
SPY2 0.00 %
SPZ1 40.00 %
SPZ2 -40.00 %
P15 1000.00 usec

F1 - Acquisition parameters
ND 2
TD 512
SFO1 500.1315 MHz
FIDRES 8.782037 Hz
SN 8.990 ppm

F2 - Processing parameters
SI 2048
SF 500.1300236 MHz
WDW QSINE
SSB 2
LB 0.00 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 TPP1
SF 500.1300236 MHz
WDW BBIIE
SSB 2
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 20.00 cm
CX1 20.00 cm
F2D0 7.536 ppm
F2D1 3789.94 Hz
F2H1 0.481 ppm
F2H2 230.78 Hz
F1D0 7.561 ppm
F1D1 3776.83 Hz
F1H1 0.482 ppm
F1H2 211.02 Hz
F2FACN 0.36382 ppm/cm
F2H2CN 176.98805 Hz/cm
F1FACN 0.35646 ppm/cm
F1H2CN 476.09934 Hz/cm

NOESY

Julien Beignet JB B-94(4) in CDCl3 at +27C, set temp.
drx500, Gradient COSY90

Current Data Parameters
NAME: jz26j01d
EXPNO: 4
PROCNO: 1

F2 - Acquisition Parameters
Date_: 20040128
Time: 15:49
INSTRUM: drx500
PROBHD: 5 mm TBI H/C
PULPROG: cosygp
TD: 2048
SOLVENT: CDCl3
NS: 8
DS: 16
SWH: 4406.403 Hz
FIDRES: 2.190005 Hz
AQ: 0.2777876 sec
RG: 181
DW: 111.200 usec
DE: 5.50 usec
TE: 300.0 K
d0: 0.0000300 sec
D1: 2.0000000 sec
d13: 0.0000300 sec
D16: 0.0001000 sec
IND: 0.00022240 sec

----- CHANNEL f1 -----
NUC1: 1H
P0: 10.50 usec
P1: 10.50 usec
PL1: 1.00 dB
SFO1: 500.1318683 MHz

----- GRADIENT CHANNEL -----
GPMAN1: SINE 100
GPMAN2: SINE 100
GPX1: 0.00 %
GPX2: 0.00 %
GPY1: 0.00 %
GPY2: 0.00 %
GPT2: 10.00 %
P16: 1000.00 usec

F1 - Acquisition parameters
ND0: 1
TD: 512
SFO1: 500.1318 MHz
FIDRES: 0.786037 Hz
SW: 8.990 ppm

F2 - Processing parameters
SI: 2048
SF: 500.1300236 MHz
WDW: SINE
SSB: 0
LB: 0.00 Hz
GB: 0
PC: 1.00

F1 - Processing parameters
SI: 1024
WDW: SF
SSB: 0
LB: 0.00 Hz
GB: 0

2D NMR plot parameters
CX2: 20.00 cm
CX1: 20.00 cm
F2PL0: 7.573 ppm
F2L0: 3787.51 Hz
F2PM1: 0.865 ppm
F2M1: 432.77 Hz
F1PL0: 7.586 ppm
F1L0: 3794.08 Hz
F1PM1: 0.865 ppm
F1M1: 413.01 Hz
F2PPHON: 0.33038 ppm/cm
F2HZON: 167.72691 Hz/cm
F1PPHON: 0.33002 ppm/cm

Julien Beignet JB 8-94(4) in CDCl3 at +27C; sat temp
 drx500, Gradient HMQC

```

Current Data Parameters
NAME      jdB89516
EXPNO     3
PROCNO    1

F2 - Acquisition Parameters
Data_     20040128
Time      14.11
INSTRUM   drx500
PROBHD    5 mm TCI A/C
PULPROG   zgpg30ind
TD         2648
SOLVENT   DMS
NS         8
DS         16
SWH        5060.387 Hz
FIDRES     2.764784 Hz
AQ         0.1535500 sec
RG         327.88
Dw         69.800 usec
DE         5.50 usec
TE         300.0 K
CHET2     190.0000000
d0         0.0000000 sec
d1         2.0000000 sec
d2         0.0001000 sec
d3         0.0000000 sec
d13        0.0000000 sec
d16        0.0001000 sec
d10        0.0000000 sec

===== CHANNEL f1 =====
NUC1       1H
P1         12.50 usec
PC         21.00 usec
PL1        1.00 dB
SFO1       500.1325963 MHz

===== CHANNEL f2 =====
NUC2       13C
P2         12.00 usec
PL2        -1.00 dB
SFO2       125.7674565 MHz

===== GRADIENT CHANNEL =====
GPMW1      SINE.100
GPMW2      SINE.100
GPMW3      SINE.100
GPA1       0.00 s
GPA2       0.00 s
GPA3       0.00 s
GPY1       0.00 s
GPY2       0.00 s
GPY3       0.00 s
BPZ1       50.00 s
BPZ2       30.00 s
BPZ3       40.10 s
P16        1000.00 usec

F1 - Acquisition parameters
NUC        1
TD          2
SFO1       125.7675 MHz
FIDRES     47.458240 Hz
SW         172.952 ppm

F2 - Processing parameters
SI         2048
SF         500.1306238 MHz
WDW         EMSC
SSB         0
LB         0.00 Hz
GB         0
PC         0.20

F1 - Processing parameters
SI         32768
ME2        SF
SF         500.1306238 MHz
WDW         EMSC
SSB         0
LB         0.00 Hz
GB         0

2D 1H/13C plot parameters
C12        17.50 cm
C11        17.00 cm
F0P10      7.093 ppm
F0L0       3047.72 Hz
F0P11      0.747 ppm
F0H1       373.82 Hz
F1P10      144.871 ppm
F1L0       18231.88 Hz
F1P11      7.288 ppm
F1H1       915.25 Hz
F0P10CH    0.40801 ppm/cm
F0H1CH     204.30995 Hz/cm
  
```

.Julien Beignet JB B-94(4) in CDCl3 at +27C, wet temp
drx500, Gradient HSQC

43c

HMBC

Current Data Parameters

NAME jach014
CPROB 2
PROCNO 1
F2 - Acquisition Parameters
Date_ 20040108
Time 11.36
INSTRUM spect
PROBHD 5 mm TBI 1H/C
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 8
DS 2
SWH 4070.620 Hz
FIDRES 2.134000 Hz
AQ 0.2343452 sec
RG 327.88
CH 114.455 usec
DE 0.50 usec
TE 300.0 K
CMT2 146.000000
SFO 0.0000000 sec
SFO 0.0000000 sec
SFO 0.00172414 sec
SFO 0.0000000 sec
SFO 0.0000000 sec
SFO 0.0000000 sec
SFO 0.00110000 sec
SFO 0.00061714 sec
SFO 0.0001150 sec

CHANNEL F1
NUC1 1H
P1 10.00 usec
PL1 21.00 dB
PL2 1.00 dB
PL3 1.00 dB
PL4 1.00 dB

CHANNEL F2
NUC2 13C
P2 12.00 usec
PL2 1.00 dB
PL3 1.00 dB
PL4 1.00 dB
PL5 1.00 dB
PL6 1.00 dB

GRABBER CHANNEL
SFO1 100.626126 MHz
SFO2 100.626126 MHz
SFO3 100.626126 MHz
SFO4 100.626126 MHz
SFO5 100.626126 MHz
SFO6 100.626126 MHz
SFO7 100.626126 MHz
SFO8 100.626126 MHz
SFO9 100.626126 MHz
SFO10 100.626126 MHz
SFO11 100.626126 MHz
SFO12 100.626126 MHz
SFO13 100.626126 MHz
SFO14 100.626126 MHz
SFO15 100.626126 MHz
SFO16 100.626126 MHz
SFO17 100.626126 MHz
SFO18 100.626126 MHz
SFO19 100.626126 MHz
SFO20 100.626126 MHz
SFO21 100.626126 MHz
SFO22 100.626126 MHz
SFO23 100.626126 MHz
SFO24 100.626126 MHz
SFO25 100.626126 MHz
SFO26 100.626126 MHz
SFO27 100.626126 MHz
SFO28 100.626126 MHz
SFO29 100.626126 MHz
SFO30 100.626126 MHz
SFO31 100.626126 MHz
SFO32 100.626126 MHz
SFO33 100.626126 MHz
SFO34 100.626126 MHz
SFO35 100.626126 MHz
SFO36 100.626126 MHz
SFO37 100.626126 MHz
SFO38 100.626126 MHz
SFO39 100.626126 MHz
SFO40 100.626126 MHz
SFO41 100.626126 MHz
SFO42 100.626126 MHz
SFO43 100.626126 MHz
SFO44 100.626126 MHz
SFO45 100.626126 MHz
SFO46 100.626126 MHz
SFO47 100.626126 MHz
SFO48 100.626126 MHz
SFO49 100.626126 MHz
SFO50 100.626126 MHz
SFO51 100.626126 MHz
SFO52 100.626126 MHz
SFO53 100.626126 MHz
SFO54 100.626126 MHz
SFO55 100.626126 MHz
SFO56 100.626126 MHz
SFO57 100.626126 MHz
SFO58 100.626126 MHz
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SFO60 100.626126 MHz
SFO61 100.626126 MHz
SFO62 100.626126 MHz
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SFO64 100.626126 MHz
SFO65 100.626126 MHz
SFO66 100.626126 MHz
SFO67 100.626126 MHz
SFO68 100.626126 MHz
SFO69 100.626126 MHz
SFO70 100.626126 MHz
SFO71 100.626126 MHz
SFO72 100.626126 MHz
SFO73 100.626126 MHz
SFO74 100.626126 MHz
SFO75 100.626126 MHz
SFO76 100.626126 MHz
SFO77 100.626126 MHz
SFO78 100.626126 MHz
SFO79 100.626126 MHz
SFO80 100.626126 MHz
SFO81 100.626126 MHz
SFO82 100.626126 MHz
SFO83 100.626126 MHz
SFO84 100.626126 MHz
SFO85 100.626126 MHz
SFO86 100.626126 MHz
SFO87 100.626126 MHz
SFO88 100.626126 MHz
SFO89 100.626126 MHz
SFO90 100.626126 MHz
SFO91 100.626126 MHz
SFO92 100.626126 MHz
SFO93 100.626126 MHz
SFO94 100.626126 MHz
SFO95 100.626126 MHz
SFO96 100.626126 MHz
SFO97 100.626126 MHz
SFO98 100.626126 MHz
SFO99 100.626126 MHz
SFO100 100.626126 MHz

F1 - Acquisition parameters
AQ 0.2343452 sec
SFO1 100.626126 MHz
SFO2 100.626126 MHz
SFO3 100.626126 MHz
SFO4 100.626126 MHz
SFO5 100.626126 MHz
SFO6 100.626126 MHz
SFO7 100.626126 MHz
SFO8 100.626126 MHz
SFO9 100.626126 MHz
SFO10 100.626126 MHz
SFO11 100.626126 MHz
SFO12 100.626126 MHz
SFO13 100.626126 MHz
SFO14 100.626126 MHz
SFO15 100.626126 MHz
SFO16 100.626126 MHz
SFO17 100.626126 MHz
SFO18 100.626126 MHz
SFO19 100.626126 MHz
SFO20 100.626126 MHz
SFO21 100.626126 MHz
SFO22 100.626126 MHz
SFO23 100.626126 MHz
SFO24 100.626126 MHz
SFO25 100.626126 MHz
SFO26 100.626126 MHz
SFO27 100.626126 MHz
SFO28 100.626126 MHz
SFO29 100.626126 MHz
SFO30 100.626126 MHz
SFO31 100.626126 MHz
SFO32 100.626126 MHz
SFO33 100.626126 MHz
SFO34 100.626126 MHz
SFO35 100.626126 MHz
SFO36 100.626126 MHz
SFO37 100.626126 MHz
SFO38 100.626126 MHz
SFO39 100.626126 MHz
SFO40 100.626126 MHz
SFO41 100.626126 MHz
SFO42 100.626126 MHz
SFO43 100.626126 MHz
SFO44 100.626126 MHz
SFO45 100.626126 MHz
SFO46 100.626126 MHz
SFO47 100.626126 MHz
SFO48 100.626126 MHz
SFO49 100.626126 MHz
SFO50 100.626126 MHz
SFO51 100.626126 MHz
SFO52 100.626126 MHz
SFO53 100.626126 MHz
SFO54 100.626126 MHz
SFO55 100.626126 MHz
SFO56 100.626126 MHz
SFO57 100.626126 MHz
SFO58 100.626126 MHz
SFO59 100.626126 MHz
SFO60 100.626126 MHz
SFO61 100.626126 MHz
SFO62 100.626126 MHz
SFO63 100.626126 MHz
SFO64 100.626126 MHz
SFO65 100.626126 MHz
SFO66 100.626126 MHz
SFO67 100.626126 MHz
SFO68 100.626126 MHz
SFO69 100.626126 MHz
SFO70 100.626126 MHz
SFO71 100.626126 MHz
SFO72 100.626126 MHz
SFO73 100.626126 MHz
SFO74 100.626126 MHz
SFO75 100.626126 MHz
SFO76 100.626126 MHz
SFO77 100.626126 MHz
SFO78 100.626126 MHz
SFO79 100.626126 MHz
SFO80 100.626126 MHz
SFO81 100.626126 MHz
SFO82 100.626126 MHz
SFO83 100.626126 MHz
SFO84 100.626126 MHz
SFO85 100.626126 MHz
SFO86 100.626126 MHz
SFO87 100.626126 MHz
SFO88 100.626126 MHz
SFO89 100.626126 MHz
SFO90 100.626126 MHz
SFO91 100.626126 MHz
SFO92 100.626126 MHz
SFO93 100.626126 MHz
SFO94 100.626126 MHz
SFO95 100.626126 MHz
SFO96 100.626126 MHz
SFO97 100.626126 MHz
SFO98 100.626126 MHz
SFO99 100.626126 MHz
SFO100 100.626126 MHz

F2 - Processing parameters
SI 32768
SF 500.136052 MHz
WDW EM
SSB 2
LB 0.00 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 16384
SF 125.767825 MHz
WDW EM
SSB 2
LB 0.00 Hz
GB 0
PC 1.00

2D NMR plot parameters
C1 17.00 cm
C2 17.00 cm
F1 17.00 cm
F2 17.00 cm
F3 17.00 cm
F4 17.00 cm
F5 17.00 cm
F6 17.00 cm
F7 17.00 cm
F8 17.00 cm
F9 17.00 cm
F10 17.00 cm
F11 17.00 cm
F12 17.00 cm
F13 17.00 cm
F14 17.00 cm
F15 17.00 cm
F16 17.00 cm
F17 17.00 cm
F18 17.00 cm
F19 17.00 cm
F20 17.00 cm
F21 17.00 cm
F22 17.00 cm
F23 17.00 cm
F24 17.00 cm
F25 17.00 cm
F26 17.00 cm
F27 17.00 cm
F28 17.00 cm
F29 17.00 cm
F30 17.00 cm
F31 17.00 cm
F32 17.00 cm
F33 17.00 cm
F34 17.00 cm
F35 17.00 cm
F36 17.00 cm
F37 17.00 cm
F38 17.00 cm
F39 17.00 cm
F40 17.00 cm
F41 17.00 cm
F42 17.00 cm
F43 17.00 cm
F44 17.00 cm
F45 17.00 cm
F46 17.00 cm
F47 17.00 cm
F48 17.00 cm
F49 17.00 cm
F50 17.00 cm
F51 17.00 cm
F52 17.00 cm
F53 17.00 cm
F54 17.00 cm
F55 17.00 cm
F56 17.00 cm
F57 17.00 cm
F58 17.00 cm
F59 17.00 cm
F60 17.00 cm
F61 17.00 cm
F62 17.00 cm
F63 17.00 cm
F64 17.00 cm
F65 17.00 cm
F66 17.00 cm
F67 17.00 cm
F68 17.00 cm
F69 17.00 cm
F70 17.00 cm
F71 17.00 cm
F72 17.00 cm
F73 17.00 cm
F74 17.00 cm
F75 17.00 cm
F76 17.00 cm
F77 17.00 cm
F78 17.00 cm
F79 17.00 cm
F80 17.00 cm
F81 17.00 cm
F82 17.00 cm
F83 17.00 cm
F84 17.00 cm
F85 17.00 cm
F86 17.00 cm
F87 17.00 cm
F88 17.00 cm
F89 17.00 cm
F90 17.00 cm
F91 17.00 cm
F92 17.00 cm
F93 17.00 cm
F94 17.00 cm
F95 17.00 cm
F96 17.00 cm
F97 17.00 cm
F98 17.00 cm
F99 17.00 cm
F100 17.00 cm

Julien Beignot JB B-94(4) in CDCl3 at +27C, set temp
drx500, Gradient phase-sensitive NOESY, 400 ms mixing period

Current Data Parameters
NAME jcd8jbid
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20040126
Time 19.26
INSTRUM drx500
PROBHD 5 mm TBI H/C
PULPROG noesygpgp
TD 2048
SOLVENT CDCl3
NS 16
DS 16
SWH 4496.403 Hz
FIDRES 2.195098 Hz
AQ 0.2277876 sec
RG 161
DM 111.200 usec
DE 5.50 usec
TE 300.0 K
d0 0.0000300 sec
D1 2.0000000 sec
S0 0.4000001 sec
D15 0.0010000 sec
d20 0.1989000 sec
DNO 0.0001120 sec

CHANNEL f1
NUC1 1H
P1 10.50 usec
P2 21.00 usec
PL1 1.00 dB
SFO1 500.1310663 MHz

GRADIENT CHANNEL
GPMAX1 STINE 100
GPMAX2 STINE 100
GPH1 0.00 %
GPH2 0.00 %
GPH3 0.00 %
GPH4 0.00 %
GPH5 40.00 %
GPH6 -40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
NO 2
TD 512
SFO1 500.1319 MHz
FIDRES 0.782037 Hz
SW 8.990 ppm

F2 - Processing parameters
SI 2048
SF 500.1300236 MHz
WDW 0.5000
SSB 2
LB 0.00 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 1991
SF 500.1300236 MHz
WDW 0.5000
SSB 2
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 20.00 cm
CX1 20.00 cm
F2PL0 7.512 ppm
F2L0 3785.77 Hz
F2PH1 0.360 ppm
F2H1 450.33 Hz
F2PL0 7.569 ppm
F2L0 3785.31 Hz
F2PH1 0.878 ppm
F2H1 459.95 Hz
F2PPHCH 0.33058 ppm/cm
F2HZCH 165.32185 Hz/cm
F1PPHCH 0.33451 ppm/cm
F1HZCH 167.29782 Hz/cm

the cross peaks
between singlet
6.11 & 4.2

40

S108

40

44

44

net JB-5-1081j in CDCl3 at +27C. set temp
QC. AV400

44
HSQC

S114

Julien Beignet JB B-105 in CDCl3 at +27C, set temp
drx500, Gradient D3SY90

Current Data Parameters
NAME fa05joid
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20040206
Time 20.41
INSTRUM drx500
PROBHD 5 mm TBI h/c
PULPROG cospyp
TD 2048
SOLVENT CDCl3
NS 16
DS 16
SWH 4496.403 Hz
FIDRES 2.132005 Hz
AQ 0.2277876 sec
RG 512
CH 111.200 usec
DE 5.50 usec
TE 300.0 K
D0 0.0000300 sec
D1 2.0000000 sec
d13 0.0000300 sec
D16 0.0001000 sec
IND 0.0022240 sec

CHANNEL f1
NUC1 1H
PD 10.40 usec
PI 10.40 usec
PL1 1.00 dB
SFO1 500.1318683 MHz

GRADIENT CHANNEL
GPMAX1 SINE 100
GPMAX2 SINE 100
GPK1 0.00 %
GPK2 0.00 %
GPV1 0.00 %
GPV2 0.00 %
GPV3 10.00 %
GPV4 10.00 %
P16 1000.00 usec

F1 - Acquisition parameters
NUC 1
TD 512
SFO1 500.1318 MHz
FIDRES 0.782037 Hz
SW 8.990 ppm

F2 - Processing parameters
SI 2048
SF 500.1300238 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
NC2 GF
SF 500.1300238 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 20.00 cm
CX1 20.00 cm
F2PLD 7.709 ppm
F2LD 3895.57 Hz
F2PHI 3.008 ppm
F2H1 1504.18 Hz
F1PLD 7.709 ppm
F1LD 3895.57 Hz
F1PHI 2.956 ppm
F1H1 1480.03 Hz
F2PPMCH 0.23508 ppm/cm
F2HZCH 117.56052 Hz/cm
F1PPMCH 0.23748 ppm/cm
F1HZCH 118.77705 Hz/cm