Regiocontrol of the Palladium-catalyzed Tin Hydride Addition to Z-Enynols: Remarkable Z-Directing Effects

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AH 473
 PROTON CDCl3 c:\ biocis 47

300

Current Data Parameters
 NAME 2006-03-22
 PROG 540
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060322
 Time 21:31
 INSTRUM spect
 PRGNAME 5 mm DUL 150
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.839 Hz
 FIDRES 0.094190 Hz
 AQ 5.3084660 sec
 RG 456.1
 DW 81.000 usec
 DE 15.00 usec
 TE 295.5 K
 D1 1.0000000 sec
 MCREST 0.0000000 sec
 MCWRR 0.0150000 sec
 CHANNEL f1
 NUC1 1H
 P1 11.50 usec
 PL1 0.00 dB
 SFO1 300.1316534 MHz
 F2 - Processing parameters
 SI 32768
 SF 300.1300000 MHz
 CHW 4096
 ASE 0.00 Hz
 GB 0.30 Hz
 PC 1.00

1a

AH 473 JMOD CDCI3 c:\\ biocis 47

Current Data Parameters
NAME 2006-05-22
EXPNO 541
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060322
Time 22:05
INSTRUM spect
PROBHD 5 mm DUL 1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 400
DS 4
SH 17985.611 Hz
FIDRES 0.274433 Hz
AQ 1.921588 sec
RG 327.5
DW 27.800 usec
DE 6.50 usec
TE 300.2 K
CNSC2 145.000000
CNSC11 1.0000000
D1 3.0000000 sec
d2 0.0089555 sec
XCF 0.0000000 sec
XCFEST 0.0000000 sec
XCFWRK 0.0150000 sec
===== CHANNEL f1 =====
NUC1 13C
P1 10.20 usec
P2 20.40 usec
PC 1.00 dB
SFO1 75.4752853 MHz
===== CHANNEL f2 =====
CHN2 waltzg
SFO2 300.1312005 MHz
PCPD2 100.00 usec
PL2 0.00 dB
PL1 1.00 dB
SFO1 75.4752853 MHz
SFO2 300.1312005 MHz
F2 - Processing Parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
GB 3.00 Hz
PC 1.40

1a

ah 543 b2
 PROTON CDC13 v biocis 3

1b

Current Data Parameters
 NAME 2006.10.04
 EXPNO 60
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20051004
 Time 11.43
 INSTRUM spect
 PROBHD 5 mm QNP 1H
 PULPROG zgpg30
 TO 63516
 SOLVENT CDC13
 NS 16
 DS 2
 SWH 4132.231 Hz
 FIDRES 0.063033 Hz
 AQ 7.9296039 sec
 RS 2860
 SW 121.000 usec
 DE 1/2.96 usec
 TE 300.0 K
 D1 1.00000000 sec
 P1 5.50 usec
 SFO1 200.1312359 MHz
 NUC1EUS 1H

F2 - Processing parameters
 SI 32768
 SF 200.1259797 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 30.00 cm
 F1P 11.000 ppm
 F1 2201.43 Hz
 F2P -1.000 ppm
 F2 -200.13 Hz
 PWDW 0.40000 ppm/cm
 HZCM -60.05199 Hz/cm

AH 543 B2 JMOD CDCI3 c:\ d31 40

1b

AH 542 T3
 PROTON CDCl3 c:\d31 16

300

Current Data Parameters
 NAME 2006-10-03
 EXPNO 120
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20061003
 Time_ 14.41
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SFO1 300.1300654
 SOLVENT CDCl3
 NS 2
 DS 2
 SWH 6172.839 Hz
 FIDRES 0.094190 Hz
 AQ 5.308460 sec
 RG 327.68
 DW 81.000 usec
 DE 6.50 usec
 TE 295.5 K
 D1 1.0000000 sec
 d11 0.0500000 sec
 MAGNET spect
 ACQPRG 0.0150000 sec
 CHANNEL f1
 NUC1 1H
 P1 13.00 usec
 PL1 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing parameters
 SI 32768
 SF 300.1300654 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1c

1c

75

127.03
116.69
94.39
80.81
77.45
77.03
76.60
65.51
31.35

[illegible]

ah 432 t24
PROTON CDC13 c:\ biocis 53

300

Current Data Parameters
NAME 432 t24
EXPNO 2
PROCNO 1
F2 - Acquisition Parameters
Date_ 20060210
Time 5:10
INSTRUM spect
PROBHD 5 mm DOL 135-1
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 4
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.308660 sec
RG 287.4
DM 81.000 usec
DE 29.580 usec
TE 296.8
D1 1.00000000 sec
MCHST 0.00000000 sec
MCPRK 0.01500000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 11.50 usec
PL1 0.00 dB
SFO1 300.1318534 MHz
F2 - Processing parameters
SI 32768
SF 300.1300000 MHz
WDW EM
SSB 0
GB 0
PC 1.00

4a

ah 432 t24
JMOD CDC13 c:\l biocis 53

Current Data Parameters
NAME 791
EXPNO 2006-02-09
PROCNO 1

F2 - Acquisition Parameters

Date_ 20060210
Time 5.50
INSTRUM spect
PROBHD 5 mm DUL 1H-1
PULPROG 1mod
TD 65536
AQ 0.0000000
RG 600
DS 4
SH 17985.611 Hz
F2 250.132 MHz
AQ 1.021958 sec
RG 16384
SW 27.800 usec
FIDRES 0.0000000
TE 297.6 K
CNS42 145.0000000
CNS41 1.0000000 sec
d20 0.0000000
d20 0.0000000
DE-PA 0.0001239 sec
XCPRES 0.0000000 sec
XCPRES 0.0000000 sec

CHANNEL f1
NUC1 13C
P2 10.12C
P2 20.40 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

CHANNEL f2
WALTZ16
NUC2 1H
P2 100.00 usec
PL2 0.00 dB
PL12 18.79 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677480 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

4a

4a

Current Data Parameters
NAME ah432t24.hmbc
EXPNO 1
PROCNO 1

HMBC

ah 431 t20
 PROTON CDC13 c:\l biocis 52

300

Current Data Parameters
 NAME 2006-02-09
 EXPRNO 780
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060210
 Time_ 4.21
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.899 Hz
 FWHZ 9.094130 Hz
 AQ 5.3084660 sec
 RG 456.1
 LW 81.000 usec
 DE 6.50 usec
 TE 296.2 K
 D1 1.00000000 sec
 MCHRG 0.00000000 sec
 MCRRK 0.01500000 sec
 ===== CHANNEL f1 =====
 NUCL1 ¹H
 P1 11.50 usec
 PL1 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing Parameters
 SI 32768
 SF 300.1300000 MHz
 WDW EM
 SSB 0
 GB 0
 CB 0
 PC 1.00

5a

ah 431 t20
JMOD CDC13 c:\ biocis 52

Current Data Parameters
Name: JMOD
EXPNO: 781
PROCNO: 1

F2 - Acquisition Parameters
Date_ 2006-02-10
Time 5:02
INSTRUM spect
PROBHD 5 mm DDJ 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 600
DS 4
SWH 17995.611 Hz
FIDRES 0.274439 Hz
AQ 1.4219508 sec
RG 327.5
DE 2.000 usec
TE 300.2 K
D1 2.0000000 sec
d20 0.0000000 sec
DECA 0.0000000 sec
MAGNET 600.13205 MHz
NUC1 13C
NUC2 1H
P1 10.20 usec
P2 20.40 usec
PL1 0.00 dB
PL2 0.00 dB
SFO1 75.4752953 MHz
SFO2 300.13205 MHz
WALTZ16
GDPGR2
RGPRG2
PCPD2
PL12 18.75 dB
SFO2 300.13205 MHz
F2 - Processing parameters
SI 32768
SF 75.4677483 MHz
WDW 0
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

5a

5a

Current Data Parameters
NAME ah431t20.hmbc
EXPNO 1
PROCNO 1

HMBC

ah 449 t17
 PROTON CDCl3 c:\l biocis 40

300

Current Data Parameters
 NAME 2005-02-23
 PROCNO 520
 PRGNO 1

F2 - Acquisition Parameters
 Date_ 20060223
 Time_ 23.44
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.839 Hz
 FIDRES 0.094190 Hz
 AQ 5.3084660 sec
 RG 362
 DE 81.00 usec
 TE 294.5 K
 D1 1.00000000 sec
 SCHEDT 0.00000000 sec
 PCWRR 0.01300000 sec

CHANNEL f1
 NUC1 1H
 P1 11.50 usec
 PL 0.00 dB
 SFO1 300.1318534 MHz

F2 - Processing parameters
 SI 32768
 SF 300.1300000 MHz
 WDW EM
 SSF 0
 LB 0.30 Hz
 GB 0
 PC 1.00

Current Data Parameters
 NAME 2005-02-23
 PROCNO 520
 PRGNO 1

F2 - Acquisition Parameters
 Date_ 20060223
 Time_ 23.44
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.839 Hz
 FIDRES 0.094190 Hz
 AQ 5.3084660 sec
 RG 362
 DE 81.00 usec
 TE 294.5 K
 D1 1.00000000 sec
 SCHEDT 0.00000000 sec
 PCWRR 0.01300000 sec

CHANNEL f1
 NUC1 1H
 P1 11.50 usec
 PL 0.00 dB
 SFO1 300.1318534 MHz

F2 - Processing parameters
 SI 32768
 SF 300.1300000 MHz
 WDW EM
 SSF 0
 LB 0.30 Hz
 GB 0
 PC 1.00

6a

ah 449 t17
JMOD CDCI3 c:\ biocis 40

Current Data Parameters
NAME 2006-02-23
EXPNO 521
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060224
Time 14:00
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG jmod
PCPRG2 zgpg30
SOLVENT CDCl3
NS 400
DS 4
SWH 17955.414
FIDRES 0.27433 Hz
AQ 1.4219508 sec
RG 16384
DM 27.400 usec
DE 295.9 Hz
TE 300.2 K
CNS12 145.0000000
CNS11 1.0000000
AQ 0.0000000 sec
d20 0.0068955 sec
DELTA 0.0001299 sec
ACQRES 0.0000000 sec
REMARK 0.0100000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 10.40 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P2 100.00 usec
PL2 0.00 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
GB 0
PC 1.40

6a

AH 406 T 17
 PROTON CDCl3 c:\ biocis 23

Current Data Parameters
 NAME 20060125
 EXPRNO 520
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20060125
 Time_ 17.37
 INSTRUM spect
 PROBHD 5 mm BUL 13c-1
 PULPROG zgpg30
 CDPRG2 zgpg30
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.839 Hz
 FIDRES 0.05190 Hz
 AQ 5.38466 sec
 RG 203.2
 DW 81.000 usec
 DE 6.50 usec
 TE 295.5 K
 T2 0.00000000 sec
 T2RHO 0.00000000 sec
 MCREST 0.00000000 sec
 MCNFK 0.01500000 sec

===== CHANNEL f1 =====
 NUC1 13C
 P1 11.50 usec
 PL1 0.00 dB
 SFO1 300.1318534 MHz

F2 - Processing parameters
 SF 300.1300222 MHz
 WTW EM
 SSB 0
 GB 0.30 Hz
 GC 0
 PC 1.00

7a

AH 406 T17
JMOD CDCl3 c:\ biocis 47

Current Data Parameters
NAME 2006-01-25
EXPNO 750
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060126
Time_ 8.26
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG jmod
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 17965.611 Hz
FIDRES 0.274439 Hz
AQ 1.8219508 sec
RG 16384
DW 27.800 usec
DE 6.50 usec
TE 295.7 K
CNS2 145.000000
CNS11 1.000000
D1 2.000000 sec
D2 0.000000 sec
DELTA 0.000299 sec
MCREST 0.0000000 sec
MCWRK 0.0150000 sec

CHANNEL f1
NUC1 13C
P1 10.20 usec
PL 0.00 dB
SFO1 75.4752933 MHz

CHANNEL f2
CPDPRG2 waltz16
NUC2 1H
PCPD2 100.00 usec
PL2 0.00 dB
PL12 18.79 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677480 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

7a

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

ah 450 t4
 PROTON CDC13 c:\ biocis 28

300

Current Data Parameters
 NAME 2006-02-25
 EXENO 20
 PROCNO 1
 F2 - Acquisition Parameters
 Date 20060225
 Time 18.43
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.955 Hz
 FIDRES 0.094130 Hz
 AQ 5.308460 sec
 RG 181
 DW 81.000 usec
 DE 6.50 usec
 TE 295.2 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWRK 0.01500000 sec
 CHANNEL f1
 NUC1 ¹H
 P1 11.50 usec
 PL1 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing Parameters
 SI 32768
 SF 300.1300000 MHz
 WDW EM
 SSB 0
 GB 0
 PC 1.00

Current Data Parameters
 NAME 2006-02-25
 EXENO 20
 PROCNO 1
 F2 - Acquisition Parameters
 Date 20060225
 Time 18.43
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.955 Hz
 FIDRES 0.094130 Hz
 AQ 5.308460 sec
 RG 181
 DW 81.000 usec
 DE 6.50 usec
 TE 295.2 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCWRK 0.01500000 sec
 CHANNEL f1
 NUC1 ¹H
 P1 11.50 usec
 PL1 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing Parameters
 SI 32768
 SF 300.1300000 MHz
 WDW EM
 SSB 0
 GB 0
 PC 1.00

8a

ah 450 t4
JMOD CDCI3 c:ll biocis 28

Current Data Parameters
NAME 2006-02-25
EXPNO 21
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060225
Time 13:00
INSTRUM spect
PULPROG 5 mm DUL 13C-1
PCPDH 5 mm DUL 13C-1
PULPROG jpred
PCPDH 5 mm DUL 13C-1
SOLVENT CDCl3
NS 800
DS 17065.414
SWH 17065.414 Hz
FIDRES 0.224431 Hz
AQ 1.8219508 sec
RG 16384
RG 16384
AQ 27.800 usec
RG 16384
RG 16384
TE 296.0 K
CNS12 145.0000000
CNS11 145.0000000
CNS10 145.0000000
CNS9 145.0000000
CNS8 145.0000000
CNS7 145.0000000
CNS6 145.0000000
CNS5 145.0000000
CNS4 145.0000000
CNS3 145.0000000
CNS2 145.0000000
CNS1 145.0000000
NUC1 13C
P1 13.00 usec
F1 13.00 dB
P2 20.40 usec
F2 20.40 dB
SFO1 75.4752953 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P1 100.00 usec
F1 100.00 dB
P2 18.79 dB
F2 18.79 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW 16384
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

8a

8a

Current Data Parameters
NAME ah450t4.bmn
EXPNO 1
PROCNO 1

HMBC

ah 413 t3 CDCI3

9a

Date: 26 Oct 2006
Document's Title: fid
Spectrum Title: ah 413 t3
PROTON CDCI3 c:\ bloc
Frequency (MHz):
(f1) 300.132
Original Points Count:
(f1) 32768
Actual Points Count:
(f1) 32768
Acquisition Time (sec):
(f1) 5.3084
Spectral Width (ppm):
(f1) 20.567
Pulse Program:
ZG30
Temperature:
295.3
Number of Scans:
4
Acq. Date:
Sun Jan 29 12:45:01 AM

ah 413 f3
JMOD CDCI3 c:\ biocis 44

Current Data Parameters
NAME 2006-01-27
EXPNO 771
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060129
Time 1.27

INSTRUM spect
PROBHD 5 mm DOL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDCI3
NS 640
DS 4

SNH 17985.611 Hz
FIDRES 0.274439 Hz
AQ 1.8219508 sec
RG 16384
DW 27.800 usec
DE 6.50 usec
TE 300.2 K

CNST2 145.0000000
CNST11 1.0000000
D1 2.00000000 sec
d20 0.00689655 sec
DELTA 0.00001299 sec
PCREST 0.00000000 sec
PCWRT 0.01500000 sec

CHANNEL f1
NUC1 13C
P2 10.13 usec
F2 20.40 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

CHANNEL f2
waitz16
NUC2 1H
PCPD2 100.00 usec
PL2 0.00 dB
PL12 19.78 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

9a

ah 444 t10
 PROTON CDCl3 c:\ biocis 59

300

Current Data Parameters
 NAME 2006-02-17
 EXPRO 831
 PROCNO 1
 F2 - Acquisition Parameters
 Date 20060219
 Time 3.51
 INSTRUM spect
 PROBD 5 mm DDL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.839 Hz
 FWHM 32.4150 Hz
 AQ 5.3081660 sec
 RG 181
 DW 81.000 usec
 DE 6.50 usec
 TE 295.6 K
 D1 1.00000000 sec
 D2 0.00000000 sec
 MCREST 0.00000000 sec
 MCWRR 0.01500000 sec
 CHANNEL f1
 NUC1 13C
 P1 11.50 usec
 PL1 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing parameters
 SI 32768
 SF 300.1300488 MHz
 WDW EN
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

4b

ah 444 t10
JMOD CDCI3 c:\l biocis 59

Current Data Parameters
Date 2006-02-20
EXPNO 330
PROCNO 1
F2 - Acquisition Parameters
Date_ 20060220
Time 3:50
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
FIDRES 0.27439 Hz
SOLVENT CDCl3
NS 700
DS 4
SWH 17985.611 Hz
FIDRES 0.27439 Hz
AQ 1.8219508 sec
RG 16384
DE 21.804 usec
TE 296.0 K
CNSP2 145.000000
CNSP1 145.000000
D1 4.00300000 sec
d20 0.00689655 sec
DELTA 0.0001299 sec
WALTZ16
MCWRR 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 10.20 usec
PL1 20.40 usec
PL2 0.00 dB
SFO1 75.4752953 MHz
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P2 100.00 usec
PL2 0.00 dB
PL12 18.79 dB
SFO2 300.1312005 MHz
F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

4b

4b

Current Data Parameters
NAME ah444t10.bmn
EXPNO 1
PROCNO 1

HMBC

ah 423 t5
 PROTON CDCl3 c:\ biocis 43

300

Current Data Parameters
 NAME ah 423 t5
 EXPR 2005-09-23
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060203
 Time_ 15:46
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.839 Hz
 FIDRES 0.094190 Hz
 AQ 5.3084660 sec
 RG 228.1
 DW 81.000 usec
 DE 19.000 usec
 TE 294.6 K
 D1 1.00000000 sec
 MCRESST 0.00000000 sec
 MCWAK 0.01500000 sec
 ===== CHANNEL F1 =====
 NUC1 1H
 P1 11.50 usec
 PL1 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing Parameters
 SI 32768
 SF 300.1300000 MHz
 WDW EM
 SSF 0
 LB 0.30 Hz
 GB 0
 PC 1.00

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

10.5 10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 ppm

0.96
 6.96
 6.70
 13.30
 14.00
 36.63
 21.56

7b

7b

7b

Current Data Parameters
NAME ah423t5.bmn
EXPNO 2
PROCNO 1

HMBC

ah 445 t5
 PROTON CDCl3 c:\l biocis 60

300

Current Data Parameters
 NAME 2006-02-17
 EXPRNO 841
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060219
 Time 5.00
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TOFPROG 6536
 SOLVENT CDCl3
 NS 4
 DS 4
 SWH 6172.82 Hz
 FIDRES 0.094190 Hz
 AQ 5.3084660 sec
 RG 256
 DW 81.000 usec
 DE 28.000 usec
 TE 285.5 K
 DI 1.00000000 sec
 KCREST 3.00000000 sec
 KCWPK 0.01500000 sec
 CHANNEL f1
 NUC1 1H
 P1 11.50 usec
 PL1 0.00 dB
 SFO1 300.1304534 MHz
 F2 - Processing parameters
 SI 32768
 SF 300.1300453 MHz
 DM 32768
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

5b

ah 445 t5
JMOD CDCI3 c:\ biocis 60

Current Data Parameters
 NAME 2006-02-17
 EXPNO 840
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060219
 Time 4:58
 INSTRUM spect
 PULPROG zgpg30
 TD 65536
 SFO1 300.1312005 MHz
 SOLVENT CDCl3
 DS 4
 SWH 17985.611 Hz
 FIDRES 0.224648 Hz
 AQ 1.671908 sec
 RG 16384
 DW 27.800 usec
 DE 655.000 usec
 TE 295.9 K
 CKS72 145.0000000
 CNST11 1.0000000
 AL1 0.0000000 sec
 AL2 0.0000000 sec
 AL3 0.0068555 sec
 DELTA 0.0001289 sec
 MCHRES 0.0000000 sec
 MCRES 0.0150000 sec
 NUC1 13C
 P1 10.200 usec
 PL1 0.00 dB
 SFO1 75.4752953 MHz
 CHANNEL f1
 NUC2 1H
 P2 10.200 usec
 PL2 0.00 dB
 SFO2 300.1312005 MHz
 CHANNEL2 waltz16
 CPDPRG2 h
 NUC2 1H
 PCPD2 100.00 usec
 PL12 18.79 dB
 SFO2 300.1312005 MHz
 F2 - Processing parameters
 SI 32768
 SF 75.4677450 MHz
 SW 17985.611 Hz
 FIDRES 0.224648 Hz
 GB 0
 PC 1.40

5b

5b

```
Current Data Parameters
NAME          ah445t5.bmn
EXPNO          1
PROCNO         1
```

HMBC

AH 459 T8
 PROTON CDCI3 c:\l biocis 2

8b

AH 459 T8 JMOD CDCI3 c:\ biocis 2

Current Data Parameters
NAME 2006-03-03
EXPNO 711
PROCNO 1

F2 - Acquisition Parameters

Date_ 20050503
Time 23:07
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
SFO1 300.132005 MHz
SFO2 300.132005 MHz
SOLVENT CDCl3
NS 450
DS 4
SWH 17995.614 Hz
FIDRES 0.274339 Hz
AQ 1.8219508 sec
RG 16384
IN 27.800 usec
DE 296.2 K
TE 296.2 K
CNS12 145.0000000
CNS11 4.0000000
SFO1 300.132005 MHz
SFO2 300.132005 MHz
DELTA 0.0001299 sec
MCREST 0.0000000 sec
PCNMR 0.01500000 sec

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

NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

===== CHANNEL f2 =====

CPDPRG2 waltz16
NUC2 1H
P2 100.00 usec
PL2 0.00 dB
SFO2 300.132005 MHz

F2 - Processing parameters

SF 75.4677490 MHz
WDW EM
SSB 0
GB 0
PC 3.00 Hz

8b

8b

Current Data Parameters
NAME ah459t8.bmn
EXPNO 1
PROCNO 1

HMBC

ah 452 t4
 PROTON CDCl3 c:\ biocis 29

300

Current Data Parameters
 NAME 2006-02-25
 EXPNO 30
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060225
 Time_ 20:25
 INSTRUM spect
 PROBD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.939 Hz
 FIDRES 0.00100000 Hz
 AQ 5.3084660 sec
 RG 228.1
 DW 81.000 us
 DE 6.50 us
 TE 300.2 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCYRK 0.01500000 sec
 CHANNEL f1 1H
 NUC1 1H
 P1 11.50 us
 PL1 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing parameters
 SI 32768
 SF 300.1300431 MHz
 WDW EM
 SSB 0
 GB 0
 PC 1.00

6b

ah 452 t4
JMOD CDCI3 c:\ biocis 29

Current Data Parameters
 Name: 2006-02-31
 EXPRNO: 31
 PROCNO: 1
 F2 - Acquisition Parameters
 Date_ Time: 20060221 21:57
 INSTRUM: spect
 PROBHD: 5 mm DCL 13C-1
 PULPROG: zgpg30
 TO: 65536
 SOLVENT: CDCl3
 NS: 800
 DS: 4
 SWH: 17995.611 Hz
 FIDRES: 0.274439 Hz
 AQ: 1.821908 sec
 RG: 16384
 DG: 2.6800 usec
 DE: 6.50 usec
 TE: 295.5 K
 CHST2: 145.000000
 CHS11: 145.000000
 DA: 5.0000000 sec
 d20: 0.0068955 sec
 DELTA: 0.0001238 sec
 ACQTIME: 0.0001238 sec
 MCKEY: 0.0150000 sec
 CHANNEL f1
 NUC1: 13C
 P1: 10.20 usec
 P2: 20.40 usec
 PL1: 0.00 dB
 PL2: 0.00 dB
 SFO1: 75.4752953 MHz
 CHANNEL f2
 NUC2: 1H
 P1: 10.00 usec
 P2: 10.00 usec
 PL1: 0.00 dB
 PL2: 0.00 dB
 SFO2: 300.1312005 MHz
 F2 - Processing parameters
 SI: 32768
 SF: 75.4677490 MHz
 DS: 4
 SSF: 3.00 Hz
 IB: 0
 GB: 0
 PC: 1.40

6b

6b

Current Data Parameters
NAME ah452t4.bmn
EXPNO 1
PROCNO 1

HMBC

ah 424 t4
 PROTON CDCl3 c:\\ biocis 5

9b

ah 424 t4
JMOD CDC13 c:\ biocis 5

Current Data Parameters
NAME 2006-02-03
EXPNO 571
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060204
Time_ 14.55
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG jmod
SOLVENT CDCl3
NS 800
DS 4
AQ 1.8219508 sec
RG 16384
IN 2.000000 usec
DE 6.50
TE 295.2 K
CNS12 145.000000
CNS11 1.000000
G20 0.0049655 sec
DELTA 0.0001299 sec
ACQRES 0.0010000 sec
PCPARK 0.0130000 sec

CHANNEL f1
NUC1 13C
P1 10.00 usec
PL1 0.00 dB
SFO1 75.4732953 MHz

CHANNEL f2
CPDPRG2 waltz16
NUC2 1H
P2 100.00 usec
PL2 0.00 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 3.00 Hz
GB 0
FC 1.40

9b

9b

Current Data Parameters
NAME ah424t4.trm
EXPNO 2
PROCNO 1

AH 435 BIS
 PROTON CDCI3 c:\\ biocis 8

300

Current Data Parameters
 NAME 20090310
 EXNO 260
 PROCNO 1
 F2 - Acquisition Parameters
 Date 20090310
 Time 11:50
 INSTRM spect
 PROBHD 5 mm DOL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.839 Hz
 FIDRES 0.094190 Hz
 AQC 5.3084660 s
 RG 287.4
 CW 8.000 MHz
 DE 295.2 K
 TE 295.2 K
 D1 1.00000000 s
 MCREST 0.00000000 s
 MCWRR 0.01500000 s
 CHANNEL f1 1H
 NUC1 11.50 us
 P1 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing parameters
 SI 32768
 SF 300.1300250 MHz
 WDW EN
 SSB O
 GB O
 PC 0.30 Hz
 1.00

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

10.5 10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 P

4c

ah 435 bis
JMOD CDC13 c:\l biocis 49

Current Data Parameters
NAME 2006-03-10
EXPNO 720
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060311
Time 12:48
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 450
DS 4
SWH 17995.611 Hz
FIDRES 0.0001658 Hz
AQ 1.8219108 sec
RG 16384
DM 27.800 usec
DE 29.50 usec
TE 300.2 K
CHST2 145.0000000
CNS11 1.0000000
AQ 0.0000000 sec
DELTA 0.0001299 sec
MCREST 0.0000000 sec
MCNMR 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 10.20 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 100.00 usec
PL2 0.00 dB
SFO2 300.1312003 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
GB 3.00 Hz
PC 1.40

4c

Current Data Parameters
NAME ah435t5.hmbc
EXPNO 1
PROCNO 1

ah 411 t4
 PROTON CDCl3 c:\\ biocis 42

Current Data Parameters
 NAME 20060128
 EXPNO 750
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060128
 Time 23.04
 INSTRUM spect
 PROBRD 5 mm DUL-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.85 Hz
 FIDRES 0.1094190 Hz
 AQ 5.3084660 sec
 RG 322.5
 DW 81.000 usec
 DE 6.50 usec
 TE 295.2 K
 T1 1.0000000 sec
 T1RHO 0.0000000 sec
 MCRST 0.0000000 sec
 MCRK 0.01500000 sec
 ===== CHANNEL f1 =====
 NUC1 1H
 P1 11.50 usec
 PL 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing parameters
 SI 32768
 SF 300.1300258 MHz
 WDW EM
 SSB 0
 GB 0.30 Hz
 PC 1.00

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

ah 411 t4
JMOD CDC13 c:\ biocis 42

Current Data Parameters
NAME 2006-01-27
EXPNO 751
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060128
Time_ 23.47
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG jmod
TD 65536
SOLVENT CDCl3
NS 640
DS 4
SWH 17985.611 Hz
FIDRES 0.274439 Hz
AQ 1.8219508 sec
RG 16384
DW 27.800 usec
DE 6.50 usec
TE 295.9 K
CNSF2 145.000000
D1 1.000000
D2 0.000000 sec
d20 0.0089655 sec
DELTA 0.0001299 sec
MCREST 0.0000000 sec
MCRRK 0.01500000 sec

CHANNEL f1
NUC1 13C
P1 10.20 usec
P2 20.40 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

CHANNEL f2
CPDPRG2 waltz16
NUC2 1H
PCPD2 100.00 usec
PL2 0.00 dB
PL12 18.79 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
FC 1.40

7c

ah 462 t8
 PROTON CDCl3 c:\ biocis 21

300

Current Data Parameters
 NAME 20060308
 EXNO 680
 PRGNO 1

F2 - Acquisition Parameters

Date_ 20060308
 Time 1.01
 INSTRUM spect
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.832 Hz
 FIDRES 0.054190 Hz
 AQ 5.3084660 s
 RG 181
 DW 81.000 us
 DE 6.50 us
 TE 300.2 K
 D1 1.0000000 s
 MCREST 0.0000000 s
 MCWRR 0.0150000 s

CHANNEL f1

NUC1 1H
 FL1 11.50 Hz
 SFO1 300.1318534 MHz

F2 - Processing parameters:

SI 32768
 SF 300.1300248 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

5c

ah 462 t8
JMOD CDCI3 c:\ biocis 21

Current Data Parameters
NAME 2006-03-07
EXNO 681
PROCNO 1

F2 - Acquisition Parameters
Date 20060308
Time 1.35
INSTRUM spect
PROBHD 5 mm DUL
PULPROG jmod
TD 65536
SOLVENT CDCl3
NS 400
DS 2
SWH 17985.611 Hz
FIDRES 0.274439 Hz
AQ 1.8219508 sec
RG 327.680 Hz
IN 27.800 usec
DE 6.50 usec
TE 296.1 K
CHST2 145.0150000
CHST11 1.0000000
DI 3.00000000 sec
420 0.00689655 sec
PC 0.00015000 sec
PCPRG2 0.00000000 sec
PCPRG1 0.00000000 sec
KCMRKK 0.01500000 sec

CHANNEL F1
NUC1 13C
P1 10.20 usec
P2 20.40 usec
PL1 0.00 dB
SFO1 75.4732933 MHz
CHANNEL F2
waltz16
NUC2 1H
P3 10.00 usec
P4 100.00 usec
PL2 0.00 dB
PL3 18.79 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

5c

5c

Current Data Parameters
NAME ah462t8.bmn
EXPNO 1
PROCNO 1

HMBC

AH 461 T10
 PROTON CDCI3 c:\\ biocis 8

300

Current Data Parameters
 NAME 2006-03-06
 EXPNO 100
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 2006-03-06
 Time 10.07
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SS 6172.839 Hz
 FIDRES 0.094190 Hz
 AQ 5.3084600 se
 RG 32768
 DW 81.000 us
 DE 6.50 us
 TE 295.8 K
 D1 1.00000000 se
 ICRST 0.00000000 se
 RCRK 0.01500000 se
 CHANNEL F1
 NUC1 1H
 P1 11.50 us
 PL 0.00 dB
 SFO1 300.1318594 MHz
 F2 - Processing parameters
 SI 32768
 SF 300.1300258 MHz
 AS 32768
 SS 32768
 LB 0.30 Hz
 GB 0
 PC 1.00

8c

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

ah 461 t10
JMOD CDCl3 c:\ biocis 19

Current Data Parameters
 NAME 2006-03-07
 EXPNO 560
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060308
 Time 0.12
 INSTRUM spect
 PULPROG zgpg30
 TD 65336
 SOLVENT CDCl3
 NS 504
 DS 4
 SWH 17985.611 Hz
 FIDRES 0.274435 Hz
 AQ 1.8212504 sec
 RG 327.5
 DW 27.800 usec
 DE 6.50 usec
 TE 296.2 K
 CNUC1 145.0000000
 CNUC2 1.0000000
 D1 4.0000000 sec
 D2 0.0068955 sec
 D3 0.0000000 sec
 ACQRES 0.0000000 sec
 MCORE 0.0150000 sec
 F2 - Processing parameters
 SI 32768
 SF 75.467740 MHz
 WDW EM
 SSB 0
 GB 3.00 Hz
 GC 0
 PC 1.40

8c

8c

Current Data Parameters

NAME ah461t10.bmn

EXPNO 1

PROCNO 1

HMBC

ah 453 t12
 PROTON CDC13 c:\ biocis 59

300

Current Data Parameters
 NAME 2006-03-01
 EXPRO 610
 PROCNO 1
 F2 - Acquisition: Parameters
 Date 20060301
 Time 23.24
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.839 Hz
 FIDRES 0.094190 Hz
 AQC 0.050000 sec
 RG 327.68
 DA 81.000 us
 DE 6.50 us
 TE 295.5 K
 D1 1.00000000 sec
 DELT 0.00500000 sec
 ACQST 0.01500000 sec
 MCNRK
 CHANNEL f1
 NUC1 1H
 P1 11.50 us
 PL1 0.00 dB
 SF01 300.1318534 MHz
 F2 - Processing parameters:
 SI 32768
 SF 300.1300000 MHz
 WDW EM
 SSF 0
 LB 0
 GB 0
 PC 1.00

ah 453 t12
JMOD CDCI3 c:\ biocis 59

Current Data Parameters
NAME 2006-03-01
EXFNO 61
PROCNO 1

F2 - Acquisition Parameters
Date 20060302
Time 0.09
INSTRUM spect
PROBHD 5 mm DUL
PULPROG zgpg30
TD 65536
SOLVENT CDCI3
NS 450
DS 16
SHH 17995.61 Hz
FIDRES 0.274439 Hz
AQ 1.021950 sec
RG 27.800 usec
DE 6.50 usec
TE 296.4 K
CHRG2 145.000000
CHRG1 1.000000
D1 4.0000000 sec
d20 0.00689655 sec
d20 0.00689655 sec
MCNFK 0.0150000 sec

CHANNEL f1
NUC1 13C
P1 10.20 usec
P2 20.40 usec
PL1 0.00 dB
PL2 0.00 dB
SFO1 75.4752953 MHz

CHANNEL f2
waltz16
NUC2 13C
P1 10.00 usec
P2 0.00 dB
PL1 0.00 dB
PL2 0.00 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677500 MHz
RG 27.800 usec
DE 6.50 usec
TE 296.4 K
CHRG2 145.000000
CHRG1 1.000000
D1 4.0000000 sec
d20 0.00689655 sec
d20 0.00689655 sec
MCNFK 0.0150000 sec

6c

6c

Cur
NAME
EXPNO
PROC

AH 420 T8
 PROTON CDC13 c:\ biocis 60

300

Current Data Parameters
 NAME 2006-02-02
 EXPNO 660
 PROCNO 1
 F2 - Acquisition Parameter
 Date 20060203
 Time 8.07
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SMH 6.72.839 Hz
 FIDRES 0.1034190 Hz
 AQ 0.0000000 sec
 RG 203.2
 DW 81.000 us
 DE 6.50 us
 TE 294.5 K
 DI 1.00000000 sec
 MCOREST 0.0000000 sec
 MCORR 0.01500000 sec
 ===== CHANNEL f1 =====
 NUC1 1H
 P1 11.50 us
 PL1 0.00 dB
 SF01 300.1318554 MHz
 F2 - Processing Parameters
 SI 32768
 SE 300.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

9c

AH 420 T8
 JMOD CDCI3 c:\biocis 60

Current Data Parameters
 NAME 2006-02-02
 EXNO 661
 PROCNO 1
 F2 - Acquisition Parameters
 Date 20060203
 Time 8.27
 INSTRUM spect
 PULPROG zgpg30
 TO 6536
 SOLVENT CDCl3
 NS 300
 DS 4
 SWH 17955.611 Hz
 FIDRES 0.274439 Hz
 AQ 1.821598 sec
 RG 1634
 GB 27.00 usec
 DE 6.50 usec
 TE 295.4 K
 CNU2 145.000000
 CNU1 145.000000
 D2 0.000000 sec
 d20 0.00689655 sec
 DELTA 0.00001299 sec
 MCRST 0.00000000 sec
 SCANK 0.01000000 sec
 CHANNEL f1
 NUC1 13C
 P1 10.70 usec
 P2 20.40 usec
 PL1 0.00 dB
 PL2 0.00 dB
 SFO1 75.4752953 MHz
 CHANNEL f2
 NUC2 1H
 P1 100.00 usec
 P2 18.75 usec
 PL1 18.75 dB
 PL2 18.75 dB
 SFO2 300.1312005 MHz
 F2 - Processing parameters
 SI 32768
 SF 75.4677490 MHz
 WDW EM
 SSB 0
 GB 0
 CB 0
 SC 3.00 Hz

9c

9c

Current Data Parameters
NAME ah420t8.trm
EXPNO 2
PROCNO 1

HMBC

ah 434 t11
PROTON CDCl3 c:\ biocis 25

300

Current Data Parameters
NAME 2006-02-13
EXPNO 811
PROCNO 1
F2 - Acquisition Parameter
Date_ 20060214
Time 10.37
INSTRUM spect
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 4
DS 4
SWH 6172.836 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 se
RG 256
DM 81.000 us
DE 295.50 us
TE 295.2 K
D1 1.00000000 se
MCREST 0.00000000 se
MCWRR 0.01500000 se
===== CHANNEL f1 =====
NUC1 1H
P1 11.50 us
PL1 0.00 dB
SFO1 300.1318534 MHz
F2 - Processing parameters
SI 32768
SF 300.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

4d

ah 434 t11
JMOD CDC13 c:\ biocis 27

Current Data Parameters
NAME 434
EXTNO 580
PROCNO 1

F2 - Acquisition Parameters
Date 20060215
Time 1.18
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 500
DS 4
AQ 1.8219508 sec
RG 16384
RW 27.860 usec
DE 6.00 usec
TE 295.9 K
CNST2 145.0000000
CNST11 1.00000000
NUC1 13C
NUC2 1H
DELTA 0.0001299 sec
PCOREF 0.00000000 sec
PCORR 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 10.20 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

===== CHANNEL F2 =====
NAME wait16
NUC2 1H
PCPD2 100.00 usec
PL2 0.00 dB
SFO2 300.1312005 MHz

F2 - Processing Parameters
SI 32768
SF 75.4677813 MHz
WDW EM
SSB 0
LB 3.00 Hz

4d

4d

```
Current Data Parameters
NAME          ah434t11.hmbc
EXPNO          1
PROCNO         1
```

HMBC

[illegible]

CHANEL #1	
NUC1	IH
P1	11.50 us
PL1	0.00 dB
SFO1	300.1318534 MH

FE2 - Processing parameters	
SI	32768
SF	300.1300201 MH
ED	0
WDW	0.30 Hz
LB	0
GB	1.00
EC	

7d

ah 410 t10
JMOD CDC13 c:\ biocis 59

Current Data Parameters
NAME 2006-01-26
EXPNO 711
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060127
Time_ 0.04
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG jmod
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 17985.611 Hz
FIDRES 0.274439 Hz
AQ 1.8219508 s
RG 16384
DW 27.800 u
DE 6.50 u
TE 296.0 K
CNST2 145.000000
CNST1 1.000000
D1 2.0000000 s
d20 0.0068955 s
DELTA 0.0001239 s
WALTZ 0.000000 s
MCWRR 0.0150000 s

CHANNEL f1
NUC1 13C
P1 10.20 u
P2 20.40 u
PL1 0.00 d
SFO1 75.4752953 MHz

CHANNEL f2
PCPDG2 wait16
NUC2 1H
PCPD2 100.00 u
PL2 0.00 d
PL12 18.79 d
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
EC 1.40

7d

AH 458 V0
 PROTON CDCl3 c:\ biocis 1

300

Current Data Parameters
 NAME 2006-03-03
 EXNO 700
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060303
 Time_ 21:29
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.839 H
 FIDRES 0.094190 H
 AQ 5.3084660 s
 RG 81.400
 DB 6.50 u
 TE 295.5 K
 D1 1.0000000 s
 MCREST 0.0000000 s
 MCPRK 0.0150000 s
 ===== CHANNEL f1 =====
 NUC1 1H
 P1 11.50 u
 PL1 0.00 dB
 SFOL 300.1318534 MHz
 F2 - Processing parameters:
 SI 32768
 SF 300.1300000 MHz
 WDW EM
 SSB 0
 GB 0
 PC 0.30 Hz
 1.00

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

4e

AH 458 V0 JMOD CDCI3 c:\ biocis 1

Current Data Parameters
NAME 2006-03-03
EXPNO 701
PROCNO 1

F2 - Acquisition Parameters

Date_ 20060303
Time 22.14
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
DS 43.4
SWH 17985.611 Hz
FIDRES 0.274439 Hz
AQ 0.0818558 sec
RG 1.8218388
LW 27.820 usec
DE 6.50 usec
TE 300.2 K
NUC1 145.0050000 MHz
CHSTF2 1.0000000
CHSTF1 1.0000000
DI 4.00000000 sec
d20 0.00689655 sec
DEPTA 0.00115 sec
ACQRES 0.0000000 sec
MCWRR 0.0150000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 10.20 usec
P2 20.40 usec
PL1 0.00 dB
SFO1 75.4752953 MHz

===== CHANNEL f2 =====
CDPRG2 waltz16
NUC2 1H
P1 100.00 usec
P2 100.00 usec
PL2 0.00 dB
PL12 18.79 dB
SFO2 300.1312005 MHz

F2 - Processing parameters
SI 32768
SF 75.4677490 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

4e

4e

Current Data Parameters
NAME ah458v0.bmr
EXPNO 1
PROCNO

HMBC

ah 412 c
 PROTON CDCl3 c:\biocis 43

Current Data Parameters
 NAME 2006-01-27
 EXNO 760
 PROCNO 1

F2 - Acquisition: Parameters
 Date_ 20060128
 Time_ 23:54
 INSTRUM spect
 PROBHD 5 mm DUL spect
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.832 Hz
 FIDRES 0.094190 Hz
 AQ 5.3084660 sec
 RG 80.6
 DW 81.000 use
 DE 29.50 use
 TE 300.2 K
 D1 1.00000000 sec
 MCHREST 0.00000000 sec
 MCWRE 0.01500000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 11.50 use
 PL1 0.00 dB
 SFO1 300.1318534 MHz

F2 - Processing parameters
 SI 32768
 SF 300.1300206 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7e

ah 412 c
JMOD CDC13 c:\l biocis 43

7e

ah 436 t13
 PROTON CDCI3 c:\ biocis 28

300

Current Data Parameters
 NAME 2006-02-15
 EXPNO 430
 PROCNO 1
 F2 - Acquisition Parameter
 Date_ 20060215
 Time_ 16.29
 INSTRUM spect
 PROBD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SFO1 300.1300260 MHz
 SOLVENT CDCI3
 NS 2
 DS 2
 SWH 6172.839 Hz
 FIDRES 0.094190 Hz
 AQ 5.3084660 se
 RG 655.1
 DE 16.50 us
 TE 295.5 K
 D1 1.00000000 se
 MCREST 0.00000000 se
 MCWCK 0.01500000 se
 ===== CHANNEL f1 =====
 NUC1 1H
 P1 11.50 us
 PL1 0.00 dB
 SFO1 300.1314534 MHz
 F2 - Processing parameters
 SI 32768
 SF 300.1300260 MHz
 WDW E2
 SSB 0
 GB 0
 PC 1.00

4f

AH 436 T13 JMOD CDCl3 c:\ biocis 35

Current Data Parameters
NAME 2006-02-17
EXPNO 593
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060217
Time 22.50
INSTRUM spect
PROBHD 5 mm DUL 1H-1
PULPROG zgpg30
TD 65536
SOLVENT CHCl3
NS 600
DS 4

SWH 17985.611 Hz
FIDRES 0.274439 Hz
AQ 1.8211558 sec
RG 27.800 usec
DE 6.50 usec
TE 296.4 K
CNSR2 245.0000000
CNSR11 1.0000000
D1 4.00000000 sec
d12 0.00889555 sec
DELTA 0.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 10.20 usec
PL1 0.00 dB
PCPD2 20.40 usec
PL2 0.00 dB
STO1 75.4752953 MHz

===== CHANNEL f2 =====
NUC2 1H
P2 10.00 usec
PL2 0.00 dB
PCPD2 10.00 dB
STO2 300.1312035 MHz

F2 - Processing parameters
SI 327768
SF 75.467488 MHz
WDW EM
SSB 0
LB 3.00 Hz
GB 0
PC 1.40

4f

AH 419 T5
 PROTON CDC13 c:\ biocis 55

300

Current Data Parameters
 NAME 2006-02-02
 EXPNO 610
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060203
 Time_ 5.26
 INSTRUM spect
 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 4
 DS 2
 SWH 6172.832 Hz
 FIDRES 0.094190 Hz
 AQ 5.3084660 s
 RG 512
 DW 81.000 us
 DE 19.500 us
 TE 298.2 K
 D1 1.00000000 s
 MCREST 0.00000000 s
 MCWRR 0.01500000 s
 CHANNEL f1
 NUC1 1H
 P1 11.50 us
 PL1 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing parameters
 SI 32768
 SF 300.1300000 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

9d

ah 419 t5
JMOD CDCl3 c:\ biocis 31

Current Data Parameters
NAME 2056-02-732
EXPNO 1
PROCNO 1
P2 - Acquisition Parameters
Date_ 20060203
Time 6:38
INSTRUM spect
PROBHD 5 mm DCL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 500
DS 4
AQ 17985.61 Hz
FIDRES 0.274439 Hz
AQ 1.8219508 sec
RG 1.6384
RG 2.16384
DE 6.50 usec
TE 298.2 K
CNS2 145.000000
DST11 1.500000
D1 2.000000 sec
d20 0.00689653 sec
DELTA 0.0001293 sec
PCREST 0.0000000 sec
PCWKN 0.0300000 sec
===== CHANNEL f1 =====
NUC1 13C
P1 10.00 usec
P2 20.40 usec
PL1 0.00 dB
SFO1 75.4752953 MHz
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
P1 100.00 usec
P2 19.79 dB
PL12 19.79 dB
SFO2 300.1312505 MHz
P2 - Processing parameters
SF 75.4677490 MHz
WDW EM
SSB 0
GB 0
PC 1.40

P6

9d

Current Data Parameters
NAME ah419t5.ttr
EXPNO 2
PROCNO 1

HMBC

AH 421 T9
PROTON CDCl3 c:\ biocis 56

300

Current Data Parameters
NAME 20060203
EXPNO 620
PROCNO 1
F2 - Acquisition Parameters
Date_ 20060203
Time 11:54
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 4
DS 2
SWH 6172.830 Hz
FIDRES 0.094130 Hz
AQ 5.3084660 sec
RG 256
DW 81.000 usec
DE 6.50 usec
TE 298.2 K
D1 1.0000000 sec
MGREST 0.0000000 sec
MCWRRK 0.0150000 sec
===== CHANNEL f1 =====
NUC1 13C
P1 11.00 usec
PL1 0.00 dB
SFO1 300.131534 MHz
F2 - Processing parameters
SI 32768
SF 300.130253 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

9e

52

9e

9e

Current Data Parameters
NAME ah421t9.ttr
EXPNO 2
PROCNO 1

HMBC

AH 510 T13
PROTON CDCI3 c:\d31 31

300

Current Data Parameters
NAME 2006-06-28
EXPNO 20
PROCNO 1
F2 - Acquisition Parameters
Date_ 20060628
Time_ 9.34
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 327.68
DE 81.000 use
TE 295.6 K
D1 1.00000000 sec
MCREST 0.00000000 sec
PCWRR 0.01500000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 11.50 use
PL1 0.00 dB
SFO1 300.1318534 MHz
F2 - Processing parameters
SI 327.68
SF 300.1300331 MHz
WDW EM
SSB 0
GB 0.30 Hz
PC 1.00

7g

AH 484 T32
PROTON CDCl3 c:\ d32 11

300

Current Data Parameters
NAME 2006-06-02
EXPNO 160
PROCNO 1
F2 - Acquisition Parameters
Date_ 20060602
Time_ 17:37
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 2
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 181
DE 81.500 use
TE 300.0 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCNRR 0.01500000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 11.50 use
PL1 0.00 dB
SFO1 300.1318534 MHz
F2 - Processing parameters
SI 32768
SF 300.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

10.5 10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 ppm

42.91

32.24

0.57

15.50

7.60

1.16

AH 509 T1
PROTON CDCI3 c:\ d31 24

300

Current Data Parameters
NAME 2006-06-27
EXPNO 90
PROCNO 1
F2 - Acquisition Parameters
Date_ 20060627
Time 11.06
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 4
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 327.68
DE 81.000 us
TE 295.8 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRR 0.01500000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 11.50 us
PL 0.00 dB
SF01 300.1318534 MHz
F2 - Processing Parameters
SI 32768
SF 300.1300420 MHz
WDW EM
SSB 0
GB 0
PC 1.00

23

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

10.5 10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 PI

AH 501 C
PROTON CDCI3 c:\ d31 35

300

Current Data Parameters
NAME 2006-06-21
EXPNO 370
PROCNO 1
F2 - Acquisition Parameter
Date_ 20060622
Time 4.36
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 4
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 327.68
WDW EM
DE 81.000 usec
TE 296.3 K
D1 1.00000000 sec
ACQRES 0.00000000 sec
PCPRK 0.01500000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 11.50 usec
PL1 0.00 dB
SFO1 300.1318534 MHz
F2 - Processing parameters
SI 32768
SF 300.1300160 MHz
WDW EM
SSB 0
GB 0
PC 1.00

24

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

10.5 10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -1.0 ppm

00'001

AH 491 C
 PROTON CDCl3 c:\d31 16

300

Current Data Parameters
 NAME 2006-06-12
 EXPNO 270
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 2006-06-12
 Time 6:12
 INSTRUM spect
 PROBD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4
 DS 2
 SWH 6172.839 Hz
 FIDRES 0.094190 Hz
 RG 5.305000 sec
 DW 81.000 usec
 DE 6.50 usec
 TE 296.8 K
 TT 1.00000000 sec
 MCOREST 0.00000000 sec
 MCNRRK 0.01500000 sec
 CHANNEL F1
 P1 11.50 usec
 PL1 0.00 dB
 SFO1 300.1318534 MHz
 F2 - Processing parameters
 SF 300.1318534 MHz
 WDW EM
 SSB 0
 GB 0
 PC 1.00

15.5 15.0 14.5 14.0 13.5 13.0 12.5 12.0 11.5 ppm

Current Data Parameters
 NAME lp15212.n
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20011112
 Time 11.39
 INSTRUM spect
 PROBHD 5 mm BBI 1H-BB
 PULPROG zg30
 TO 16384
 SOLVENT CDCl3
 NS 8
 DS 2
 SMH 4006.410 Hz
 FIDRES 0.244532 Hz
 AQ 2.0446980 sec
 RG 181
 DW 124.800 usec
 DE 6.50 usec
 TE 300.0 K
 D1 1.00000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 5.60 usec
 PL1 -3.00 dB
 SFO1 400.1318100 MHz

F2 - Processing parameters
 SI 65536
 SF 400.130034 MHz
 WDW EM
 SSB 0
 LB 0.10 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 30.00 cm
 CY 24.05 cm
 F1P 9.000 ppm
 F1 3601.17 Hz
 F2P -0.500 ppm
 F2 -200.07 Hz
 PPMCM 0.31667 ppm/c
 HZCM 126.70783 Hz/cm

26

LP185F4
PROTON CDCl3 v biocis 16

AH 524 T8
 PROTON CDCI3 c:\d31 38

300

Current Data Parameters
 NAME 2006-07-24
 EXPRO 70
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20060724
 Time 11.10
 INSTRUM spect
 PULPROG zgpg30
 FULPROG zgpg30
 TD 65536
 SOLVENT CDCI3
 NS 4
 DS 2
 SWH 6172.836
 FIDRES 0.094130
 AQ 5.3084660
 RG 228.1
 DW 81.000
 DE 5.500
 TE 297.3
 D1 1.00000000
 MCREST 0.00000000
 MCNRK 0.01500000
 CHANNEL F1
 NUC1 1H
 P1 11.50
 PL1 0.00
 SFO1 300.1318534
 F2 - Processing Parameters
 SI 32768
 SF 300.1300000
 WDW EM
 SSB 0
 GB 0
 PC 1.00