

NAME EXPNO PROCNO RS 594 13 20110502 Date_ cosygpqf 2048 TD SOLVENT CDCI3 NS DS SWH 6009.615 Hz 2.934382 Hz 0.1704436 sec **FIDRES** AQ RG DW DE TE D0 D1 0.1704436 SeC 161 83.200 usec 10.00 usec 294.9 K 0.00000300 sec 2.000000000 sec 0.00000400 sec D13 D16 0.00010000 sec INO 0.00016640 sec ====== CHANNEL f1 ====== 1H 8.30 usec 8.30 usec 0.00 dB 16.93011475 W 600.1627607 MHz NUC₁ P0 P1 PL1 PL1W SFO1 ===== GRADIENT CHANNEL ===== GPNAM1 SINE.100 GPZ1 10.00 % P16 1000.00 usec ND0 TD SFO1 FIDRES SW 320 600.1628 MHz 18.780022 Hz 10.013 ppm QF FnMODE 1024 SF 600.1600261 MHz WDW SINE SSB LB GB PC SI MC2 SF WDW 0.00 Hz 0.60 1024 QF 600.1600257 MHz SINE SSB LB GB 0.00 Hz

2.0

2.5

1.5

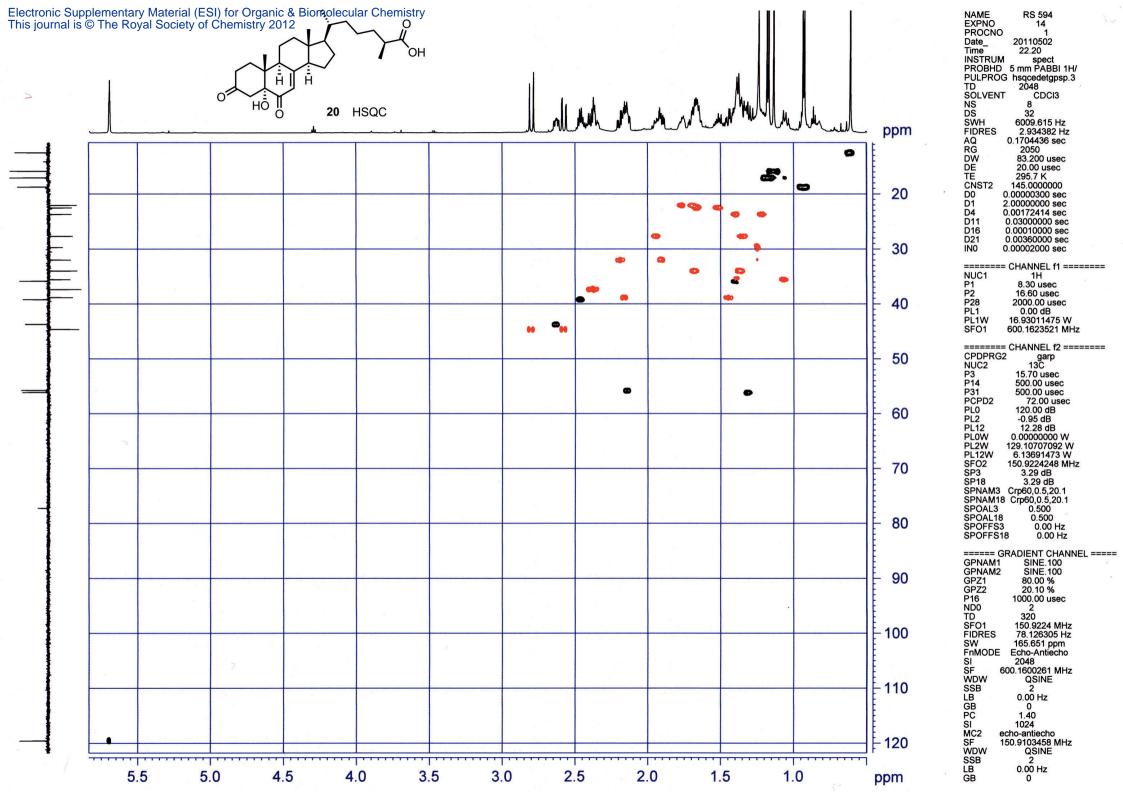
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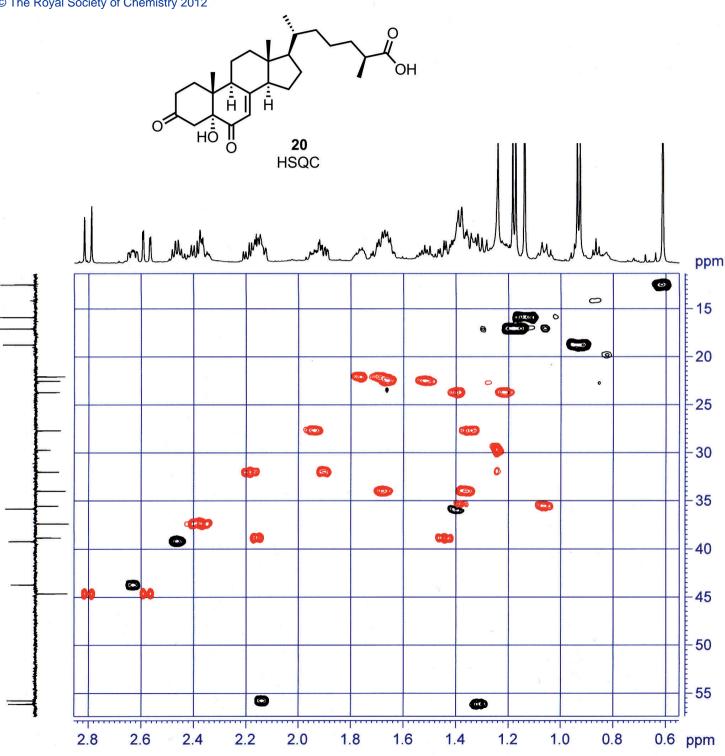
ppm

5.6 ppm

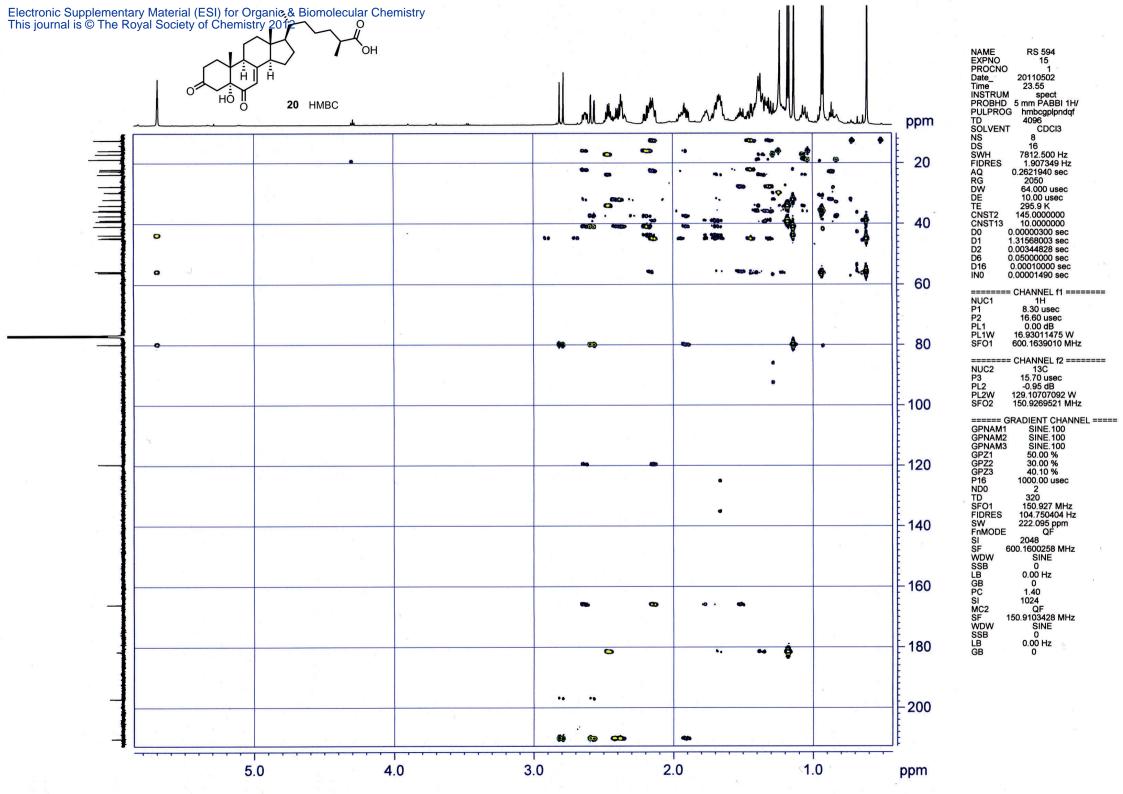
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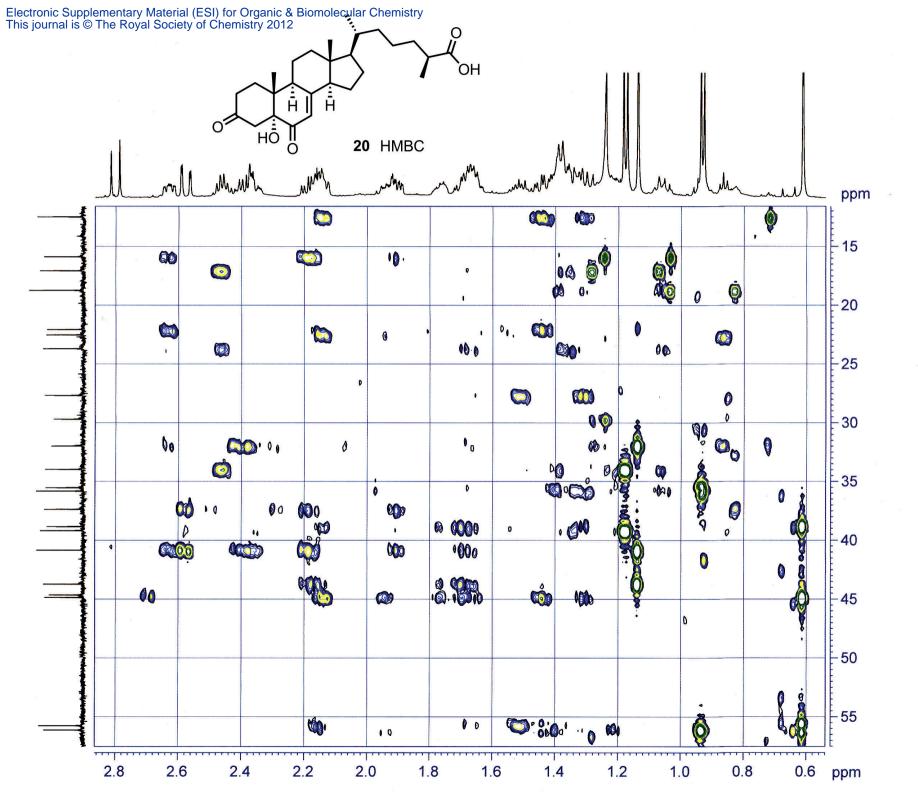
5.7





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NAME
EXPNO
                   RS 594
 PROCNO
                20110502
 Date_
                  22.20
 Time
Time 22.20
INSTRUM spect
PROBHD 5 mm PABBI 1H/
PULPROG hsqcedetgpsp.3
TD 2048
SOLVENT CDCI3
 NS
DS
SWH
FIDRES
AQ
RG
DW
                 6009.615 Hz
              2.934382 Hz
0.1704436 sec
                 2050
83.200 usec
20.00 usec
 DE
TE
CNST2
             295.7 K
145.0000000
0.00000300 sec
 DO
             2.00000000 sec
0.00172414 sec
0.03000000 sec
 D1
 D11
 D16
              0.00010000 sec
0.00360000 sec
 D21
 INO
             0.00002000 sec
 ====== CHANNEL f1 ======
 NUC1
 P1
P2
                 8.30 usec
16.60 usec
 P28
                2000.00 usec
 PL1
                  0.00 dB
               16.93011475 W
 PL1W
 SFO1
              600.1623521 MHz
 ====== CHANNEL f2 ======
 CPDPRG2
 NUC<sub>2</sub>
                 15.70 usec
 P14
                 500.00 usec
500.00 usec
 P31
 PCPD2
                    72.00 usec
 PL0
PL2
                 120.00 dB
-0.95 dB
              12.28 dB
0.00000000 W
129.10707092 W
 PL12
 PLOW
 PL2W
              6.13691473 W
150.9224248 MHz
 PL12W
 SFO2
SP3
SP18
                  3.29 dB
                   3.29 dB
 SPNAM3 Crp60,0.5,20.1
SPNAM18 Crp60,0.5,20.1
 SPOAL3
SPOAL18
SPOFFS3
SPOFFS18
                     0.500
                     0.500
                       0.00 Hz
                       0.00 Hz
===== GRADIENT CHANNEL =====
GPNAM1 SINE 100
GPNAM2 SINE 100
               80.00 %
20.10 %
1000.00 usec
 GPZ1
 GPZ2
 P16
                2
320
150.9224 MHz
 ND0
 TD
SFO1
 FIDRES
                 78.126305 Hz
 SW
                 165.651 ppm
 FnMODE
               Echo-Antiecho
SI
SF
WDW
SSB
LB
GB
PC
SI
MC2
SF
WDW
SSB
LB
GB
                 2048
            600.1600261 MHz
                    QSINE
                 0.00 Hz
                  1.40
                 1024
            echo-antiecho
             150.9103458 MHz
                    QSINE
                 0.00 Hz
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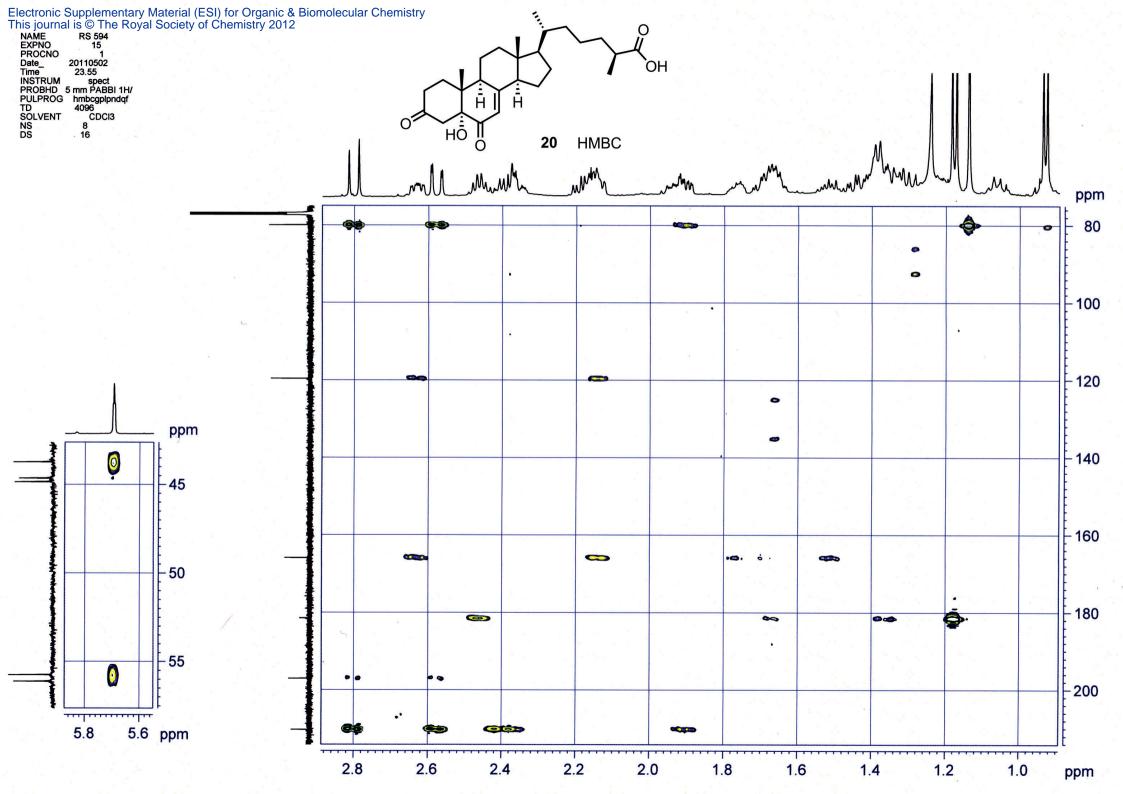


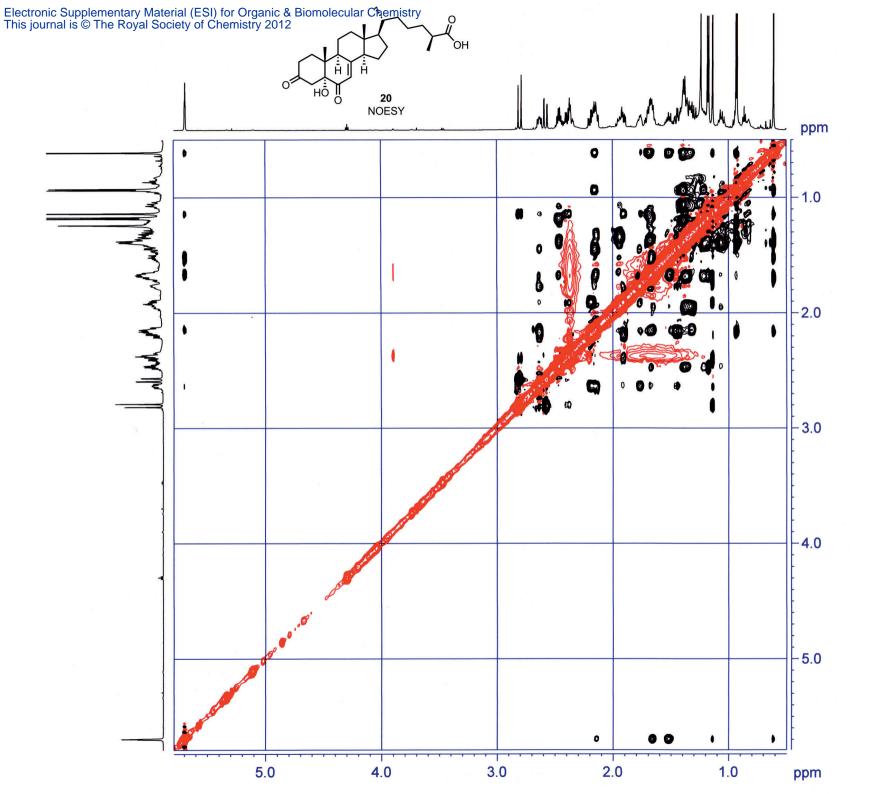


NAME EXPNO RS 594 15 PROCNO Date_ 20110502 Date_ Time 23.55 INSTRUM spect PROBHD 5 mm PABBI 1H/ PULPROG hmbcgplpndqf 4096 SOLVENT NS DS SWH FIDRES 7812.500 Hz 1.907349 Hz 0.2621940 sec AQ RG DW DE TE CNST2 CNST13 2050 64.000 usec 10.00 usec 295.9 K 145.0000000 10.0000000 0.00000300 sec 1.31568003 sec D0 D1 0.00344828 sec 0.05000000 sec 0.00010000 sec D2 D6 D16 0.00001490 sec ====== CHANNEL f1 ====== NUC1 1H 8.30 usec P2 PL1 16.60 usec 0.00 dB PL1W 16.93011475 W SFO1 600.1639010 MHz ====== CHANNEL f2 ====== NUC2 13C NUC₂ P3 15.70 usec -0.95 dB 129.10707092 W 150.9269521 MHz PL2 PL2W SFO₂ ===== GRADIENT CHANNEL ===== GPNAM1 SINE 100 GPNAM2 SINE 100 **GPNAM3** SINE.100 50.00 % GPZ1 GPZ2 GPZ3 P16 30.00 % 40.10 % 1000.00 usec 2 320 150.927 MHz 104.750404 Hz 222.095 ppm QF NDO TD SFO1 FIDRES SW FnMODE 2048 600.1600258 MHz SINE WDW SSB LB GB PC SI MC2 SF WDW SSB LB 0.00 Hz 1.40 1024 QF 150.9103428 MHz SINE

0.00 Hz 0

GB





NAME EXPNO PROCNO RS 594 16 20110503 Date Time INSTRUM 1.07 spect PROBHD 5 mm PABBI 1H/ PULPROG noesygpph noesygpph 2048 TD SOLVENT CDCI3 NS DS 8 16 SWH 7812.500 Hz 3.814697 Hz 0.1311220 sec 228 64.000 usec FIDRES AQ RG DW DE 10.00 usec 294.8 K 0.00005352 sec 2.50000000 sec TE DO D1 D8 0.80000001 sec 0.00010000 sec D16 IN₀ 0.00012815 sec ====== CHANNEL f1 =====: NUC1 1H P1 P2 PL1 8.30 usec 16.60 usec 0.00 dB 16.93011475 W 600.1636010 MHz PL1W SFO₁ ===== GRADIENT CHANNEL GPNAM1 SINE.100 GPZ1 40.00 % P16 1000.00 usec ND0 256 TD 600.1636 MHz 30.477058 Hz 13.000 ppm SFO₁ FIDRES SW States-TPPI 1024 **FnMODE** SI SF 600.1600244 MHz WDW SSB LB GB PC QSINE 2 0.00 Hz 1.00 SI 1024 States-TPPI 600.1600236 MHz MC2 SF WDW **QSINE** SSB LB 0.00 Hz

GB