Supporting Information

A One Step Procedure for the Mono-Acylation of Symmetrical 1,2-Diols

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Spectra Included in Supporting information:

Compound **1g**: ^{13}C NMR

Compound **1f**: ^{13}C NMR

Compound **2e**: ^1H NMR

Compound **6e**: ^{13}C NMR

Compound **8b**: ^{13}C NMR

Compound **10d**: ^{13}C NMR

Compound **11b**: ^1H NMR

Compound **11d**: ^{13}C NMR

Compound **11e**: ^{13}C NMR

compound 1g

2-15

MA5-1-22

Compound 1f

CARBON 13 TEST PLOT

29.505
27.960
27.721
27.485

82.578
81.698
77.417
77.099
76.781
76.158

139.420
136.070
128.494
128.236
128.172
128.042
127.796
127.036

152.596

compound 2c

Current Data Parameters
NAME mas-1-18
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20011215
Time 9.21
INSTRUM av400
PROBHD 5 mm BBO BB-
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 4789.272 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 322.5
DW 104.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.10 usec
PL1 3.00 dB
SFO1 400.1322007 MHz

F2 - Processing parameters
SI 16384
SF 400.1300000 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 30.00 cm
FIP 10.500 ppm
F1 4201.37 Hz
F2 -0.500 ppm
F2 -200.07 Hz
PPMCM 0.36667 ppm/cm
HZCM 146.71434 Hz/cm

compound 6e

Uo fN

CH, CH3---->UP, CH2---->DOWN

CH---->UP

¹³C {1H}

PPM
200
150
100
50
0

DFILE QDE2
COMNT MAS
QBNJC 13C
QFR 67.80 MHz
QBSCT 135.00 kHz
QBFIN 5200.0 Hz
PW1 7.7 us
PW2 21.0 us
PW3 31.5 us
PI1 3.571 ms
PI2 1.000 ms
PI3 1.000 ms
L00P1 1
POINT 32768
SP0 32768
SCANS 5377
DUMMY 4
FREQU 20000.0 Hz
ACQTM 0.819 sec
PD 1.681 sec
RGAIN 28
BF 1.50 Hz
EXMOD DEPT
IRNUC 1H
IFR 270.05 MHz
IRSET 112.00 kHz
IRFIN 5800.0 Hz
IRRPW 45 us
IRATN 511
CSPED 14 Hz
c
XE 16983.3400 Hz
XS -954.2705 Hz
OPERATOR :

compound 8b

CARBON 13 TEST PLOT

MAS-1.21

CARBON 13 TEST PLOT

SUB 1-111, FINAL2

Compound 11b

compound 11d

CARBON 13 TEST PLOT

Wtts-1-13

CARBON 13 TEST PLOT