Supporting Information Part 2

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

Julien Beignet, James Tiernan, Chang H. Woo, Benson M. Kariuki and Liam R. Cox*

School of Chemistry, The University of Birmingham, Edgbaston, Birmingham, B15 2TT. E-mail: l.r.cox@bham.ac.uk
$^1$H-NMR and $^{13}$C-NMR Data

for Compounds Described in Full Paper
Current Data Parameters
NAME      mv30htd
EXPNO     5
PROCNO    1

F2 - Acquisition Parameters
Date      2000/12/01
Time      4:07
INSTRUM   drx600
PROPNO    5 mm TBI H/C
PULPROG   zgdone
TD        65036
SOLVENT   CDCl3
NS        10200
DG        0
SWH       3267.738 Hz
FIDRES    0.498663 Hz
AQ        1.0027508 sec
BG        2856.3
DW        15.300 usec
DE        8.60 usec
TE        354.0 K
D1        1.0000000000 sec
d11       0.00000000 sec
L4        500

CHANNEL 1
NUC1      1H
P1        5.00 usec
PL1       -2.00 dB
SFO1      125.7707390 MHz

CHANNEL 2
CPDPRG2   wait10
NUC2      1H
PGD2      100.00 usec
PL2       8.60 dB
PL12      22.00 dB
SFO2      500.1325096 MHz

F2 - Processing parameters
SI        36/36
SF        125.7707390 MHz
WDW       EM
SSB       5.00 Hz
QGB       0
PC        0.20

Julien Belgnet JB-17-17 in CDCl3 at -31C, sol temp
drx600, 1H, 1H-decoupled
Positive signals
nOe's

Julien Belnot JB-1-17-iii in CDCl3 at -31°C, set temp

1H NMR, 1D-GOESY

GOESY
Positive signals
nOe's

selective excitation site

selective excitation site

Water in CDC3
S63
HMBC
Julien Bélanger JB-1-28i in CDCl3 at 31°C, set temp
6000 Hz, 1D-GOESY

23 GOESY
Julien Beignet JB-1-26II in CDCl3 at +31°C, set temp drx50 10-GOESY

23 GOESY

selective excitation site

nOe

ja23[b1d9/1]

Vv' nOe Vv' nOe

ja25[b1d9/1]

Vv' nOe Vv' nOe

ja25[p1d1/1]

7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 ppm
Julian肇庆样品 18/12/94 in CDCl3 at 40°C, neat temp. analysis. Biomedical NMR.

HSQC

30

BnO
BnO
BnO

2:1
30 HSQC

[Chemical structure diagram]

Sample 10/10 in CDCl3 at 400 MHz for 2D HSQC
selected nOEs
-Chemical structure diagram labeled 43c.
H H
43c
HMBC