Asymmetric Synthesis of a Chiral Building Block for Cyclopentanoids: a Novel Enantioselective Synthesis of Preclavulone A

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ALP V 37 B cd2c12 4 30 ottobre

1

ALP-VI-17

Olefino OK CDCL₃ 006 del 2 Marzo

ALP coupling 1 27 febbraio
IV-133

ALP coupling

Current Data Parameters
NAME carbon10
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20030227
Time 14.37
INSTRUM spect
PROBHD 5mm BBI 2-500
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 981
DS 4
SWH 18833.363 Hz
FIDRES 0.281365 Hz
AQ 1.7406308 sec
RG 8192
DW 26.550 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
d11 0.02000000 sec
d12 0.00020000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 6.00 usec
PL1 -2.00 dB
SF01 75.4760204 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 100.00 usec
PL2 120.00 dB
PL12 19.00 dB
PL13 22.00 dB
SF02 300.1312505 MHz

F2 - Processing parameters
SI 32768
SF 75.4677583 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 21.00 cm
F1P 200.000 ppm
F1 15093.55 Hz
F2P -0.000 ppm
F2 -0.00 Hz
PPHMD 9.52301 ppm/cm
HZCM 718.74060 Hz/cm

ALP V1 49 cdc13

ppm

177.18

139.70

132.11

128.33

126.07

88.94

77.33

76.91

76.48

46.50

39.46

31.39

29.33

29.07

28.74

27.36

22.43

13.93

Current Data Parameters

NAME Carbonio

EXPNO 5

PROCNO 1

F2 - Acquisition Parameters

Date_ 20040907

Time 16:59

INSTRUM spect

PROBHD 5 mm Multinuc1

PULPROG zgpg

TD 65536

SOLVENT DMSO

NS 409

DS 4

SWH 18832.363 Hz

FIDRES 0.287360 Hz

AQ 1.7400308 sec

RG 8192

DM 26.550 usec

DE 6.00 usec

TE 298.2 K

D1 2.00000000 sec

d11 0.03000000 sec

DELTA 1.89999998 sec

MCPRST 0.00000000 sec

NOBRK 0.01500000 sec

***** CHANNEL f1 *****

NUC1 13C

P1 6.00 usec

PL1 -2.00 dB

SFO1 75.4760204 MHz

***** CHANNEL f2 *****

CPDPRG2 waltz16

NUC2 1H

PROG2 100.00 usec

PL2 120.00 dB

PL12 19.90 dB

PL13 22.00 dB

SFO2 300.1313506 MHz

F2 - Processing parameters

SF 32768

SF 75.4577560 MHz

KOM EM

SSB 0

LB 3.00 Hz

GB 0

PC 1.00

10 NMR plot parameters

CX 21.00 cm

CT 0.00 cm

F1P 189.053 ppm

F1 14270.42 Hz

F2P 2.349 ppm

F2 177.28 Hz

SPONGM 8.95255 ppm/cm

HZCM 671.10181 Hz/cm

Alessio

Current Data Parameters
NAME: 060135
EXPNO: 3
PROCNO: 1

F2 - Acquisition Parameters
Date_: 20040907
Time: 17.25
INSTRUM: spect
PROBHD: 5 mm Multinucl
PULPROG: zgpg30
TO: 65536
SOLVENT: DMSO
NS: 128
DS: 4
SWH: 17361.111 Hz
FIDRES: 0.264910 Hz
AQ: 1.8974969 sec
RG: 8192
DN: 28.800 usec
DE: 6.00 usec
TE: 298.2 K
CHSIZ: 140,000,000
SI: 2.00000000 sec
d1: 0.0057143 sec
d2: 0.0002000 sec
d12: 0.0001114 sec
DELTA: 0.0090000 sec
WCRES: 0.0150000 sec
KORR: 0

***** CHANNEL f1 *****
NUC1: 13C
P1: 8.75 usec
PC: 17.50 usec
PL1: -2.00 dB
SFO1: 75.4752618 MHz

***** CHANNEL f2 *****
CPDPRG2: waltz16
NUC2: 1H
P2: 10.00 usec
PC: 20.00 usec
PL2: -2.00 dB
SFO2: 300.1312905 MHz

F2 - Processing parameters
SI: 32768
SF: 75.4677580 MHz
WDW: EM
SSB: 0
LB: 4.00 Hz
GB: 0
PC: 1.00

10 NMR D101 parameters
CX: 21.00 cm
CY: 0.00 cm
F1P: 180.000 ppm
F1: 13584.20 Hz
F2P: 0.000 ppm
F2: 0.00 Hz
PQKCN: 8.57143 ppm/cm
H2CN: 846.88652 Hz/cm

ALP IV 84 5 31 maggio 10

Preciavulione A C666 4 11ug110

ALP IV 95 A5 cdc13 3 4 1ug110

IV-106

ALP Cy COOH CDCl₃ 003 del 29 Julio