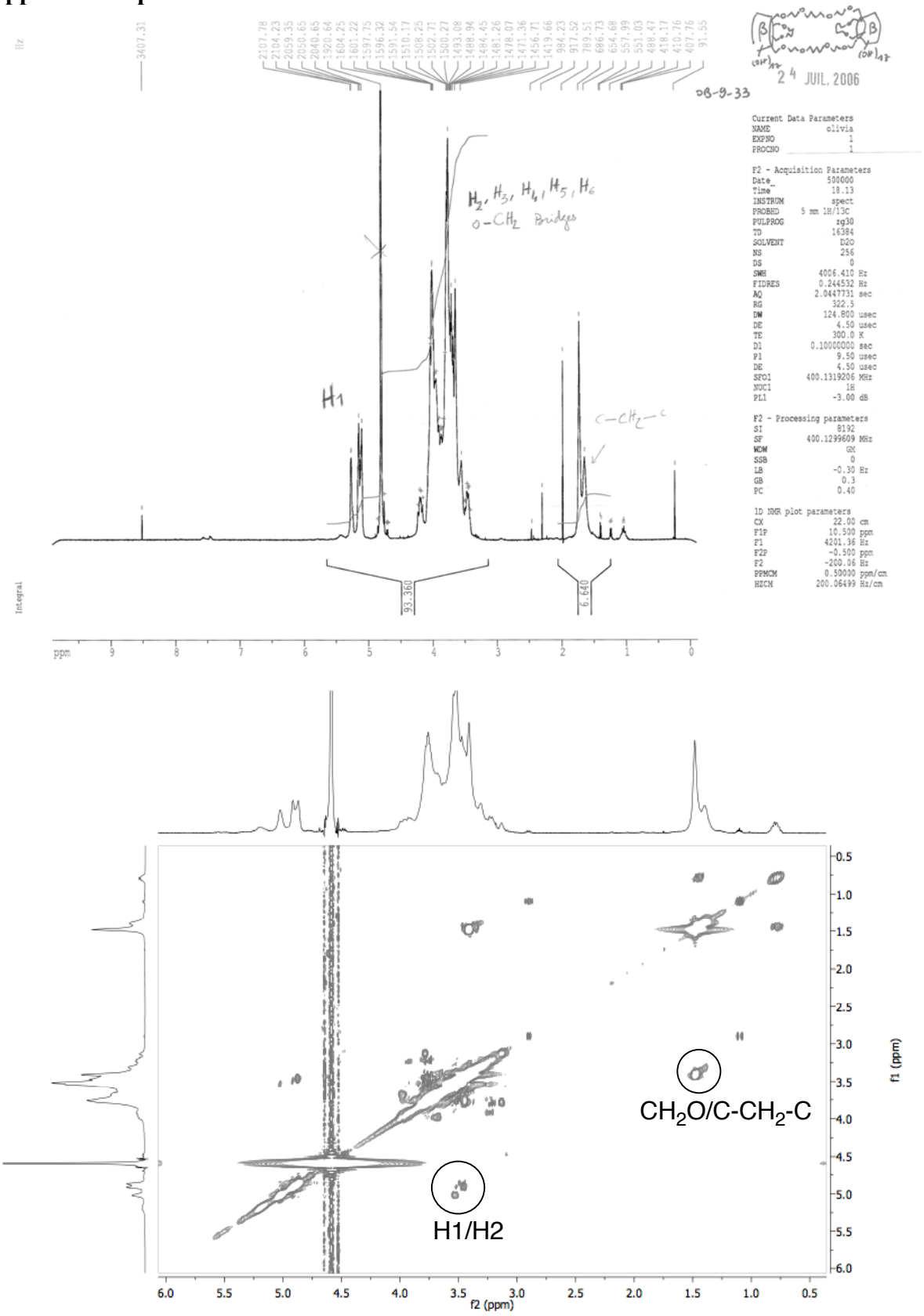
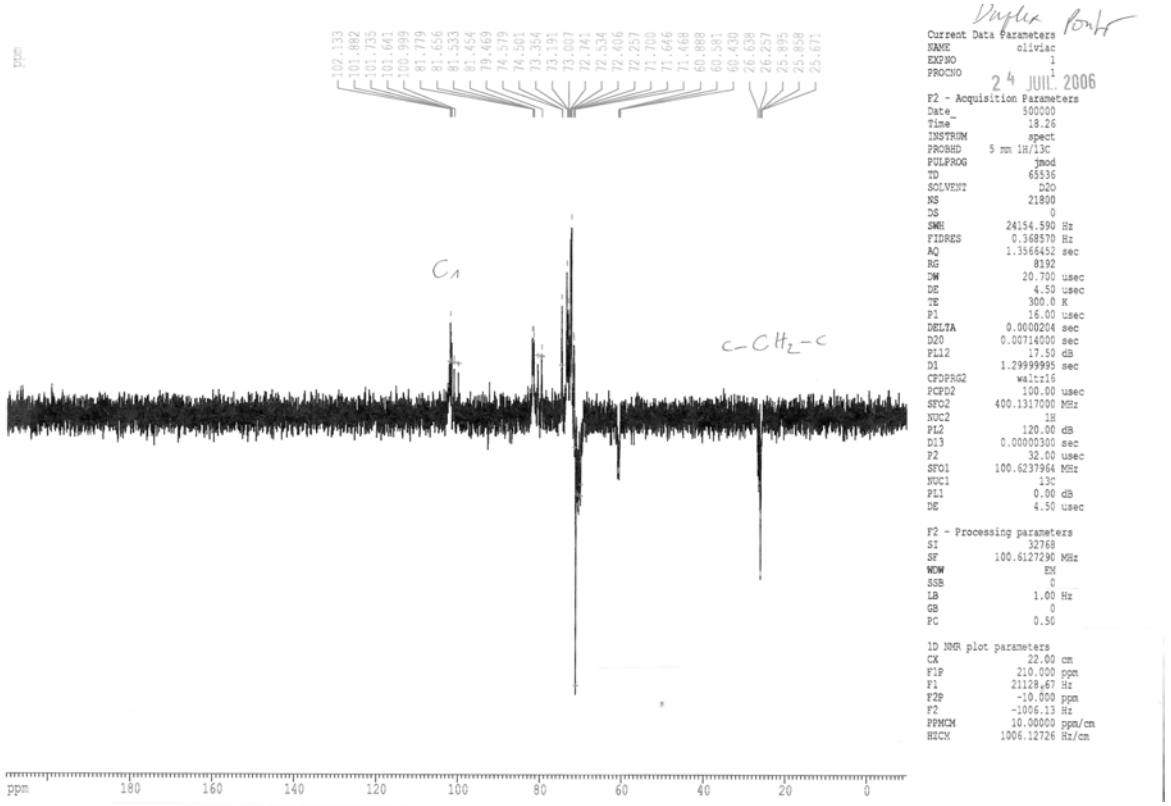
Supplementary onformation

Duplex of capped-cyclodextrins, synthesis and cross-linking behaviour with a biopolymer

Olivia Bistri-Aslanoff, Yves Blériot, Rachel Auzely-Velty,* Matthieu Sollogoub*

Capped-CD duplex 4





Current Data Parameters
NAME olivier
EXPNO 1
PROCNO 1

24 JUIL. 2006

F2 - Acquisition Parameters

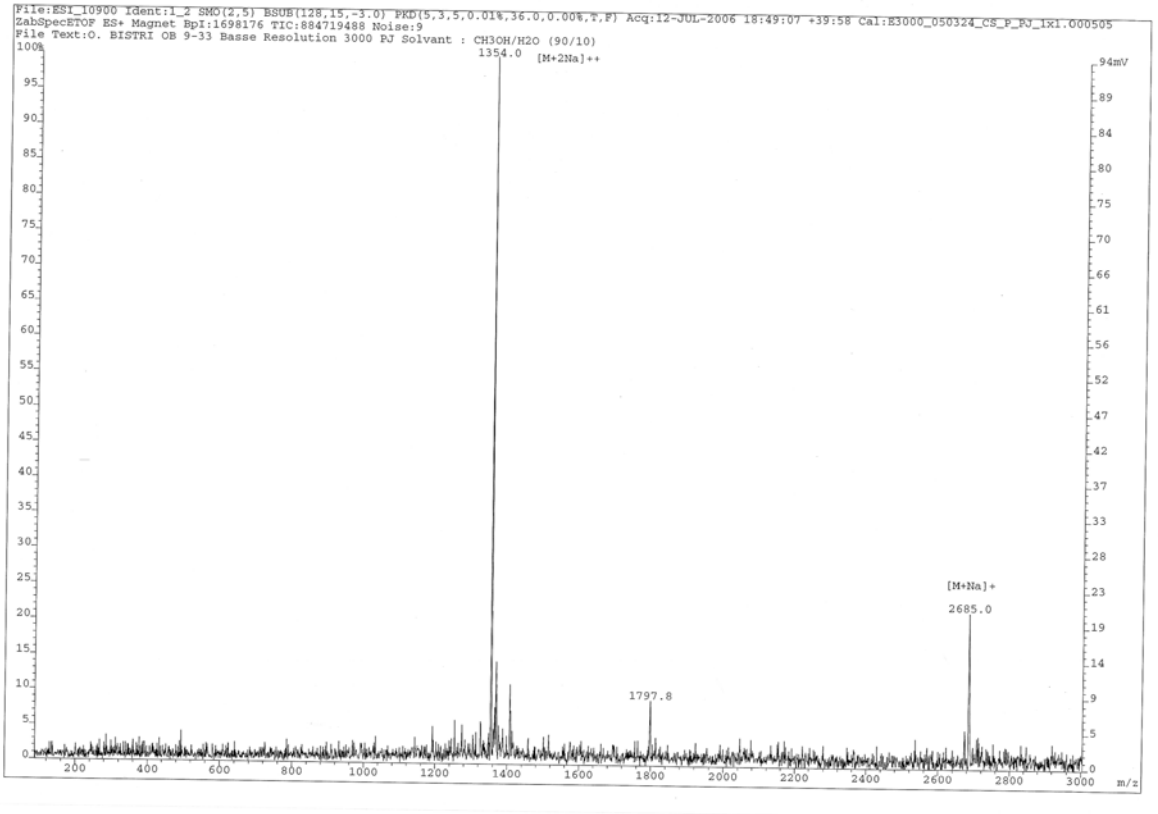
Date_	500000
Time	18.26
INSTRUM	spect
PROBHD	5 mm 1H/13C
PULPROG	jmod
TD	65536
SOLVENT	D2O
NS	21800
DS	0
SWH	24154.590 Hz
FIDRES	0.368570 Hz
AQ	1.3566452 sec
RG	8192
DW	20.700 usec
DE	4.50 usec
TE	300.0 K
P1	16.00 usec
DELTA	0.00008204 sec
D20	0.00714000 sec
PL12	17.50 dB
D1	1.29999995 sec
CPDPRG2	waltz16
PCPD2	100.00 usec
SFO2	400.1317000 MHz
NUC2	1H
PL2	120.00 dB
D13	0.00000300 sec
P2	32.00 usec
SFO1	100.6237964 MHz
NUC1	13C
PL1	0.00 dB
DE	4.50 usec

F2 - Processing parameters

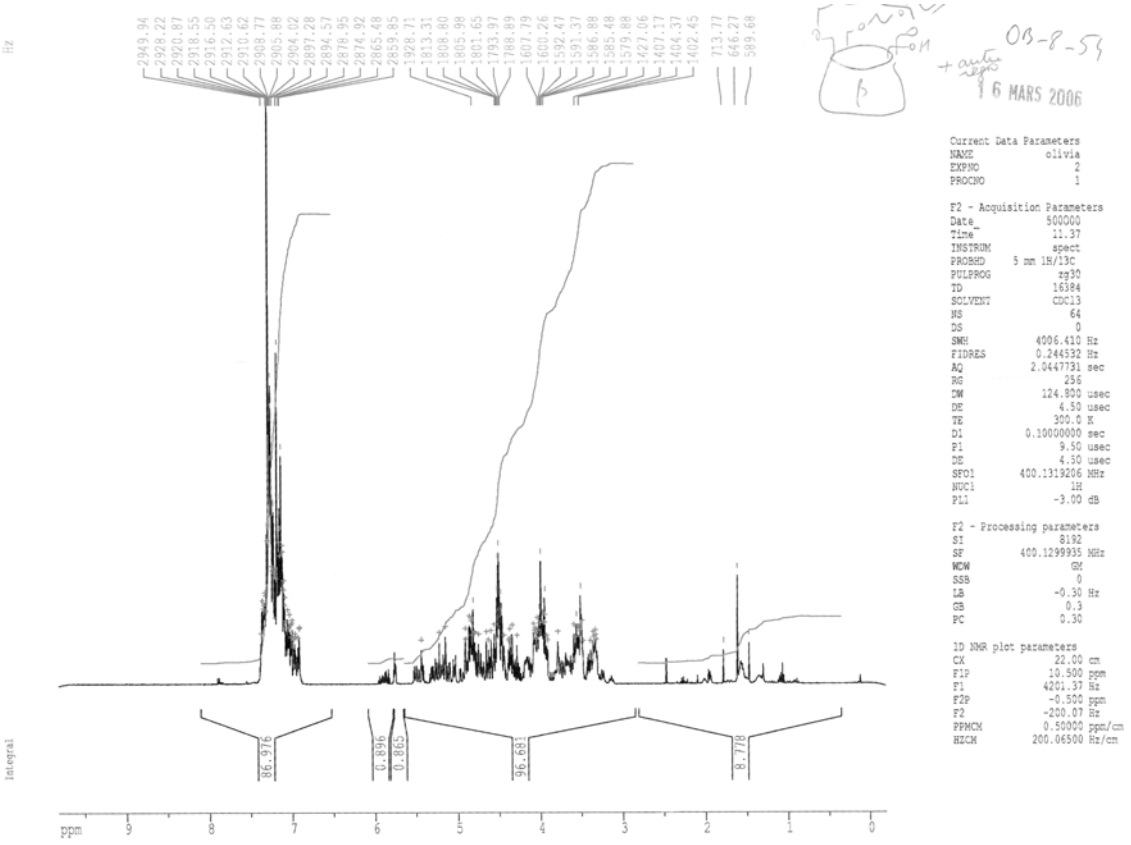
SI	32768
SF	100.6127290 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	0.50

1D NMR plot parameters

CX	22.00 cm
F1P	210.000 ppm
F1	21128.67 Hz
F2P	-10.000 ppm
F2	-1006.13 Hz
PPMCM	10.00000 ppm/cm
HZCM	1006.12726 Hz/cm



Capped-CD alcohol alkene 15



08-8-54

16 MARS 2006

Current Data Parameters
NAME olivia
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 500000
Time 11.37
INSTRUM spect
PROBHD 5 mm 1H/13C
PULPROG zg30
TD 16384
SOLVENT CDCl3
NS 64
DS 0
SWH 4006.410 Hz
FIDRES 0.244532 Hz
AQ 2.0447731 sec
RG 256
DW 124.800 usec
DE 4.50 usec
TE 300.0 K
D1 0.10000000 sec
P1 9.50 usec
DE 4.50 usec
SFO1 400.1319206 MHz
NUC1 1H
PL1 -9.00 dB

F2 - Processing parameters
SI 8192
SF 400.1299935 MHz
WDW EM
SSB 0
LB -0.30 Hz
GB 0.3
PC 0.30

1D NMR plot parameters
CX 22.00 cm
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F2P -0.500 ppm
F2 -200.07 Hz
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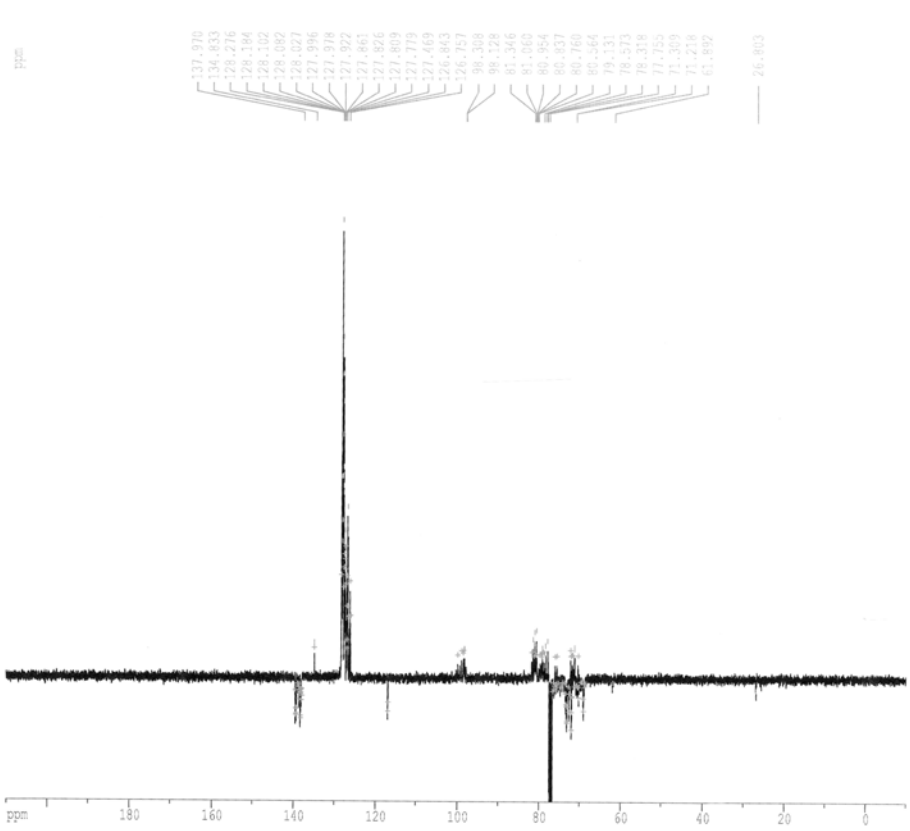
HZCM 200.06500 Hz/cm



08-8-54

16 MARS 2006

Current Data Parameters
NAME olivia
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
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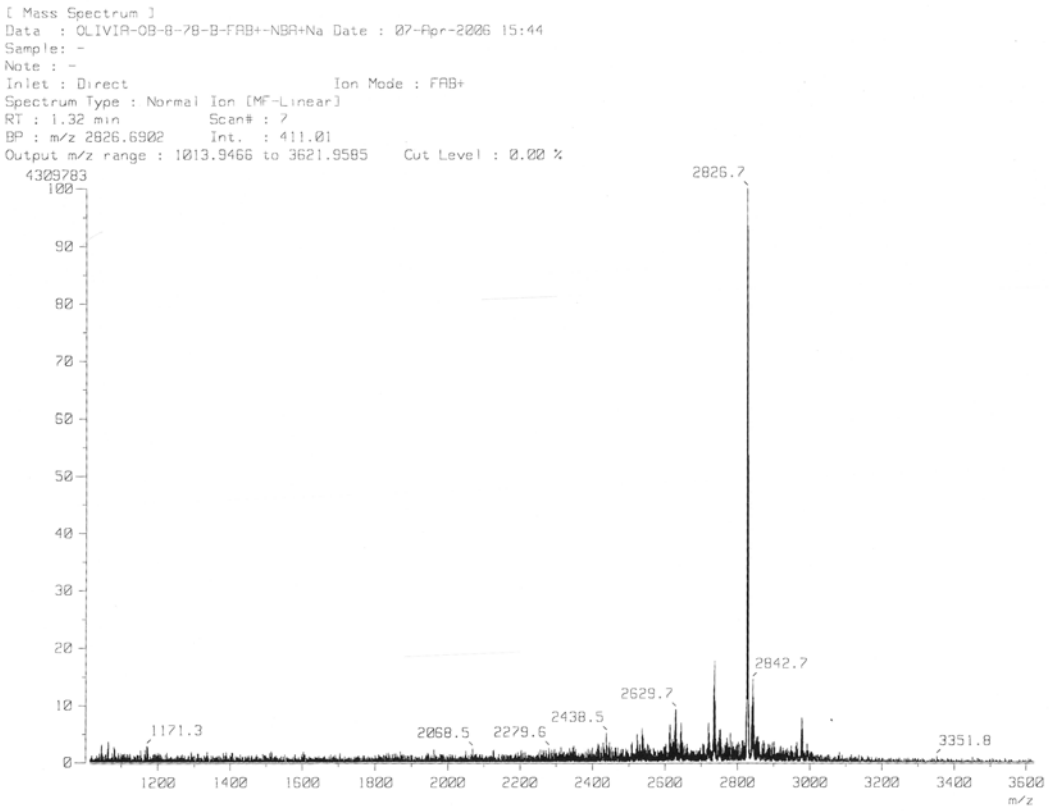
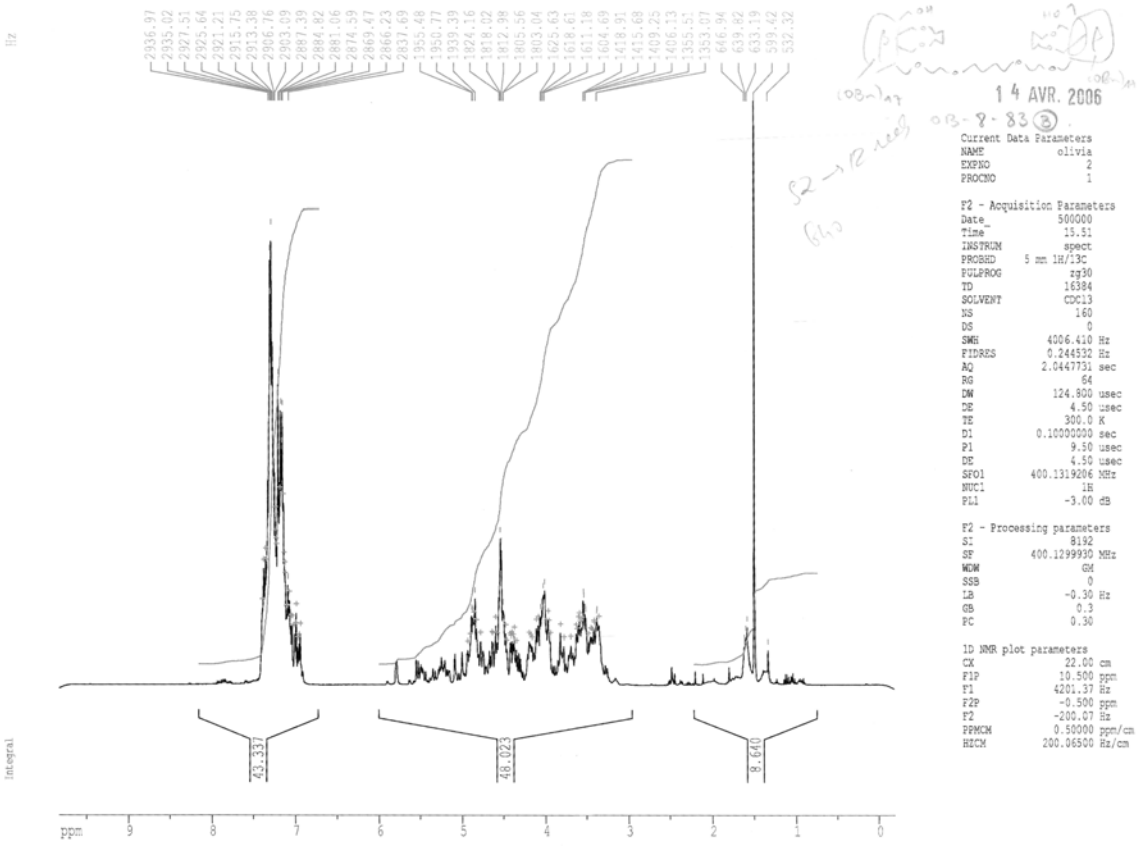
Time 13.02
INSTRUM spect
PROBHD 5 mm 1H/13C
PULPROG jmod
TD 65536
SOLVENT CDCl3
NS 4096
DS 0
SWH 24154.590 Hz
FIDRES 0.368570 Hz
AQ 1.3566452 sec
RG 8192
DW 20.700 usec
DE 4.50 usec
TE 300.0 K
P1 16.00 usec
DELTA 0.0000204 sec
D20 0.00714000 sec
PL12 17.50 dB
D1 1.29999995 sec
CPDPRG2 waltz16
PCPD2 100.00 usec
SFO2 400.1317000 MHz
NUC2 1H
PL2 120.00 dB
D13 0.00000300 sec
P2 32.00 usec
SFO1 100.6237964 MHz
NUC1 13C
PL1 0.00 dB
DE 4.50 usec

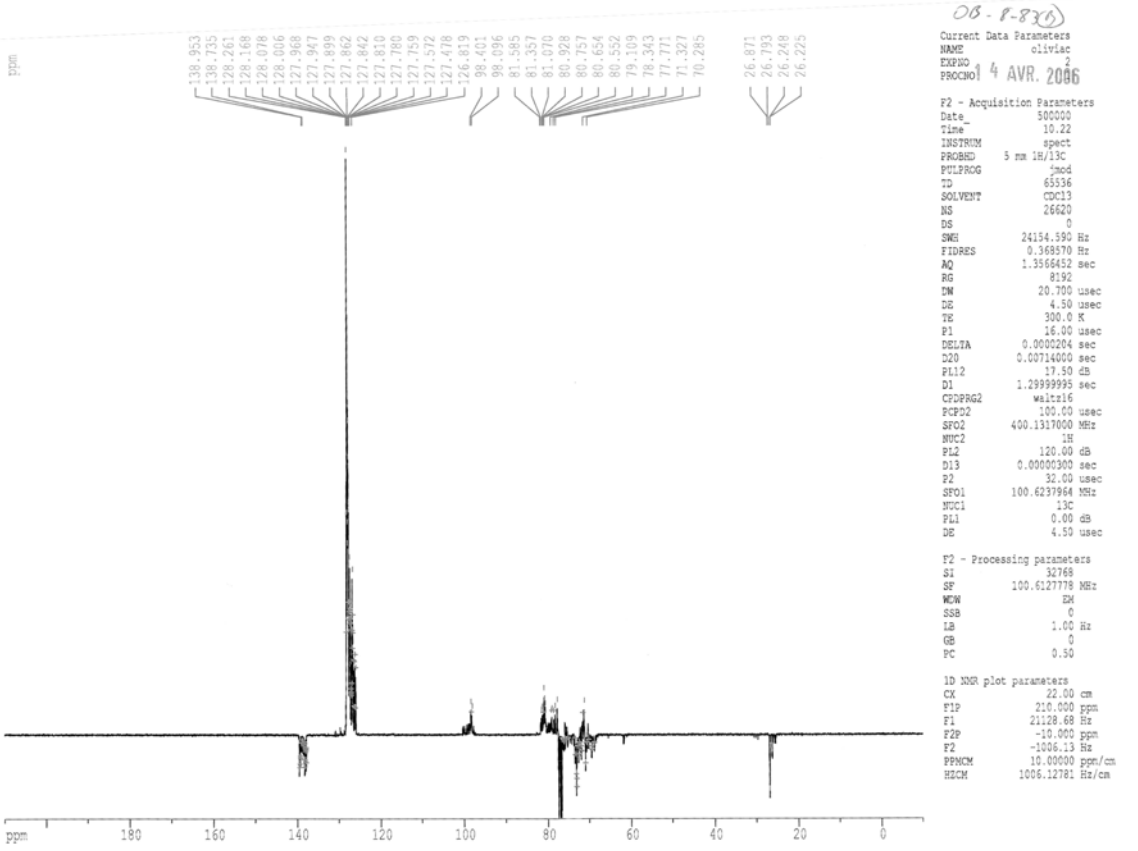
F2 - Processing parameters
SI 32768
SF 100.6127734 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 0.50

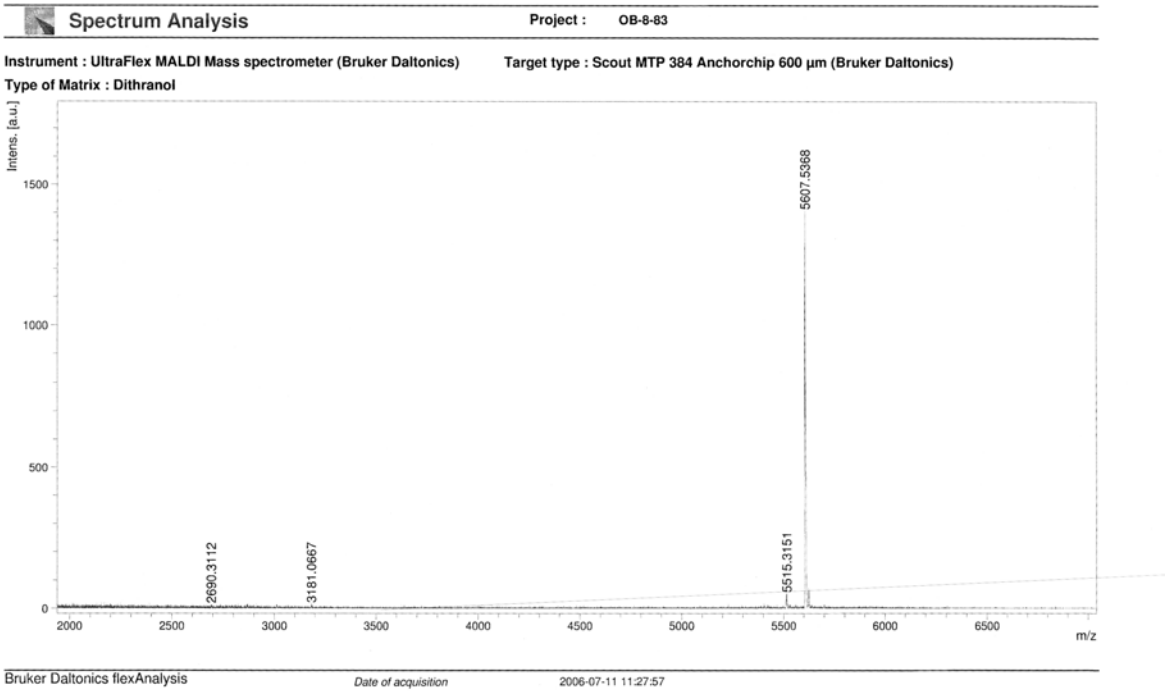
1D NMR plot parameters
CX 22.00 cm
F1P 210.000 ppm
F1 21128.69 Hz
F2P -10.000 ppm
F2 -1006.13 Hz
PPMCM 10.00000 ppm/cm
HZCM 1006.12769 Hz/cm



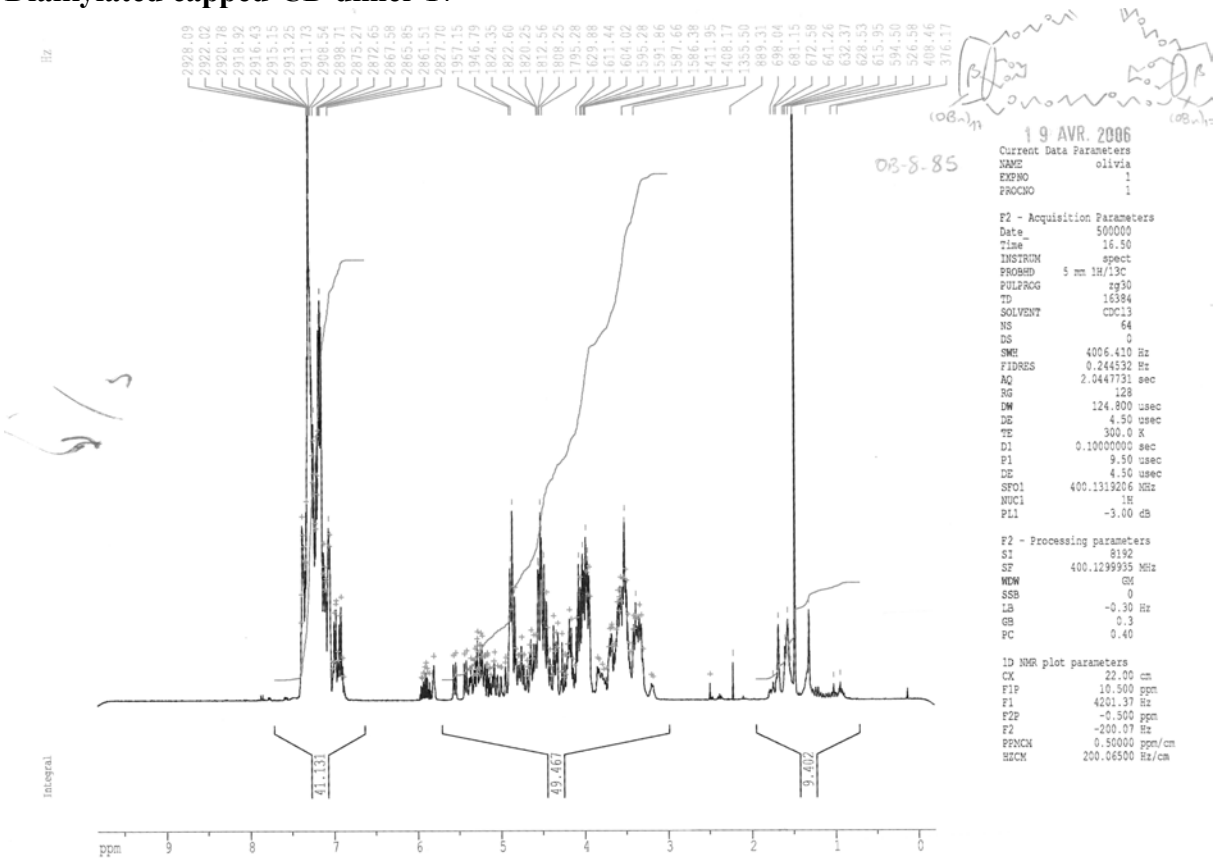
Capped-CD dimer diol 16

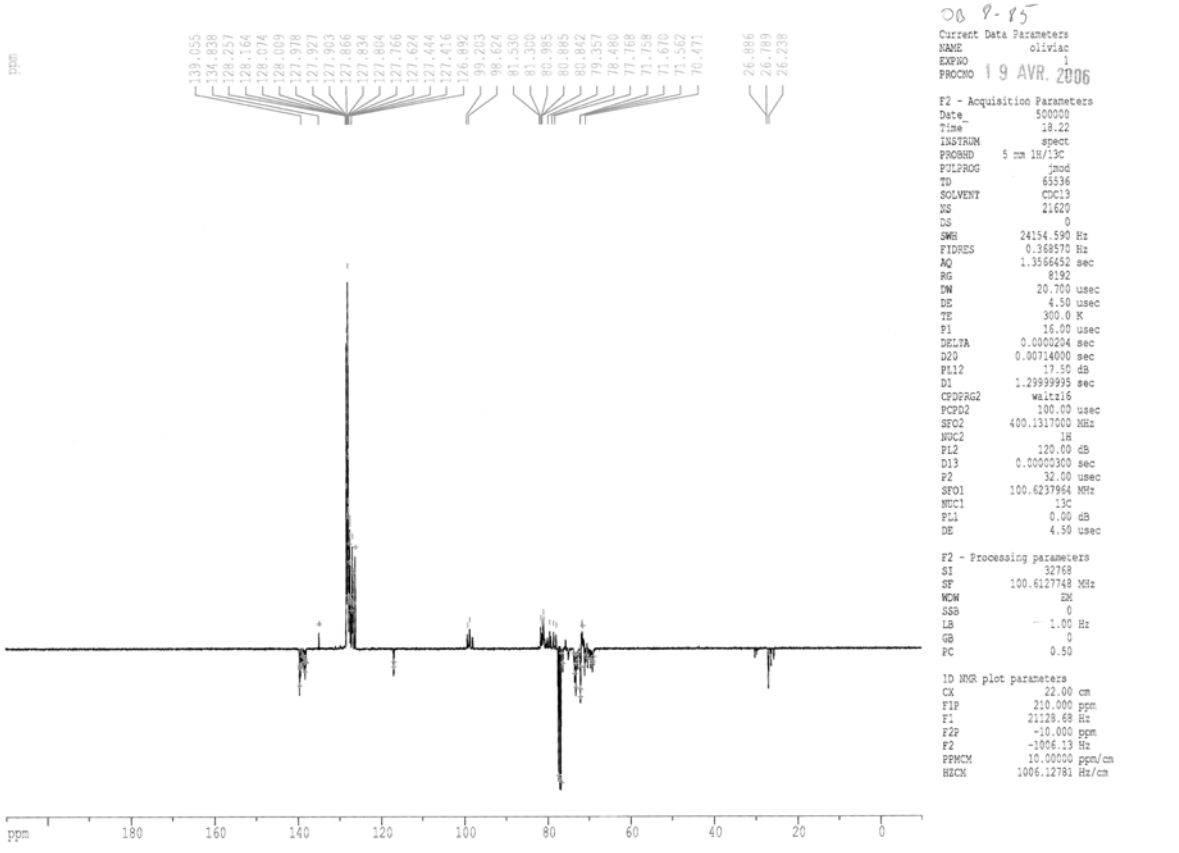





Spectrum Analysis
Project : OB-8-83
Instrument : UltraFlex MALDI Mass spectrometer (Bruker Daltonics)
Target type : Scout MTP 384 Anchorchip 600 µm (Bruker Daltonics)
Type of Matrix : Dithranol
Intens. [a.u.]
1500
1000
500
0
2690.3112
3181.0667
5515.3151
5607.5368
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
m/z
Bruker Daltonics flexAnalysis
Date of acquisition
2006-07-11 11:27:57

Dialkylated capped-CD dimer 17

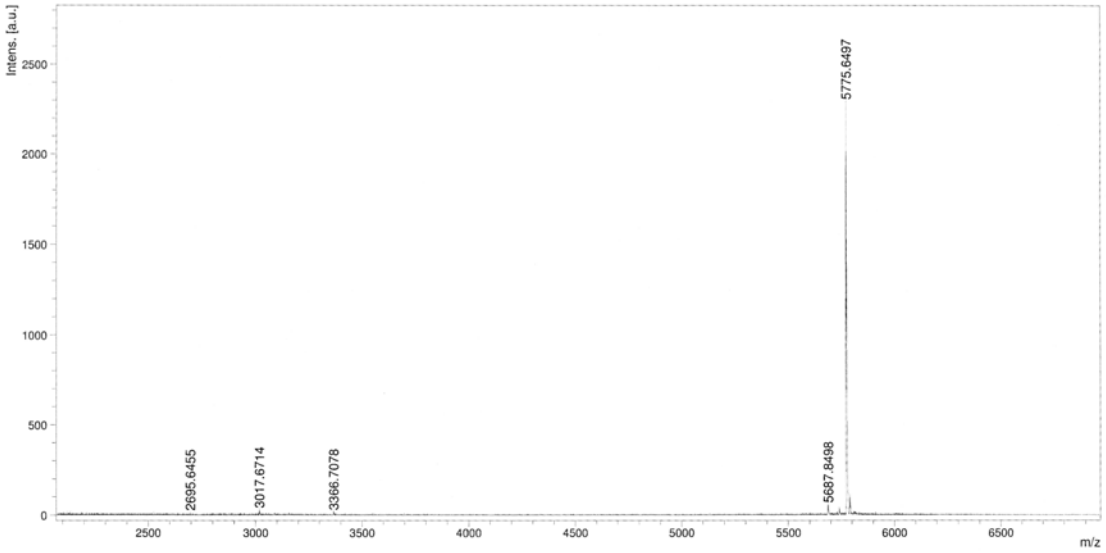




Spectrum Analysis **Project :** **OB-8-85**

Instrument : UltraFlex MALDI Mass spectrometer (Bruker Daltonics) **Target type : Scout MTP 384 Anchorchip 600 µm (Bruker Daltonics)**

Type of Matrix : Dithranol



Bruker Daltonics flexAnalysis *Date of acquisition* 2006-07-11 11:38:20

Protected capped-CD duplex 18