SUPPLEMENTARY INFORMATION

Title Exploring the synthetic potency of the first furanothioglycoligase through original remote activation.

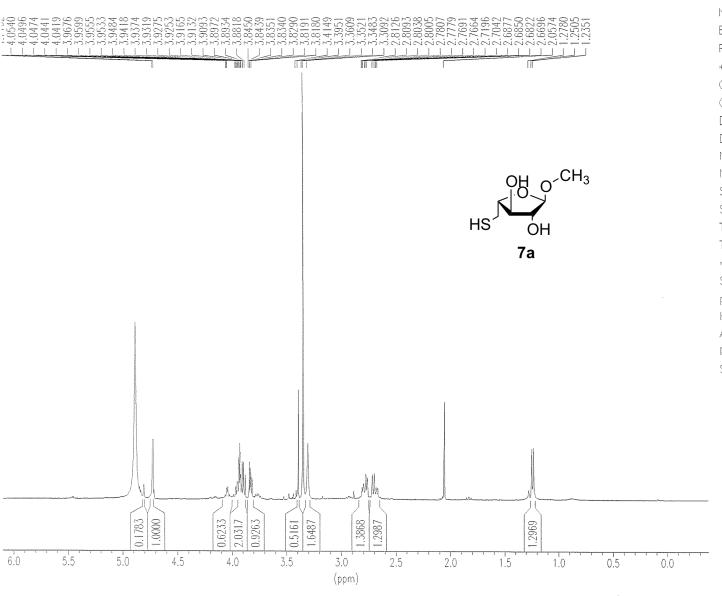
Authors Mélanie Almendros, Dantcho Danalev, Marc François-Heude, Pascal Loyer, Laurent Legentil, Caroline Nugier-Chauvin, Richard Daniellou* and Vincent Ferrières*

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S6	¹³ C NMR spectrum of 7b	S17	¹³ C NMR spectrum of 13
S7	¹ H NMR spectrum of 7c	S18	¹ H NMR spectrum of 14
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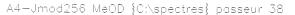
proton MeOD {C:\spectres} passeur 38



*** Current Data Parameters *** NAME e-ma120b **EXPNO** 10 PROCNO : *** Acquisition Parameters *** CNST[31]: 1.0000000 CNST[63]: 1.0000000 DATEt 00:37:37 DATEd : Mar 04 2008 NS off NUCLEUS: SOLVENT : MeOD 18.0229 ppm SW TD 65536 TE 293.9 K *** 1D NMR Plot Parameters *** SR 2.21 Hz 0.31 ppmcm Hzcm 125.35 AQtime 4.5438290 sec NUCLEUS: off SOLVENT : ?

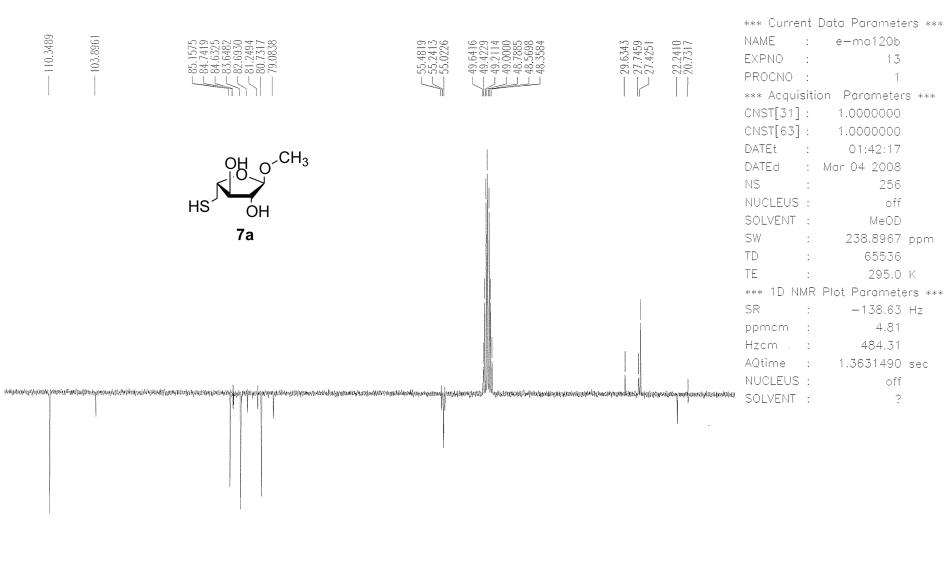
70

65 (ppm) Ta



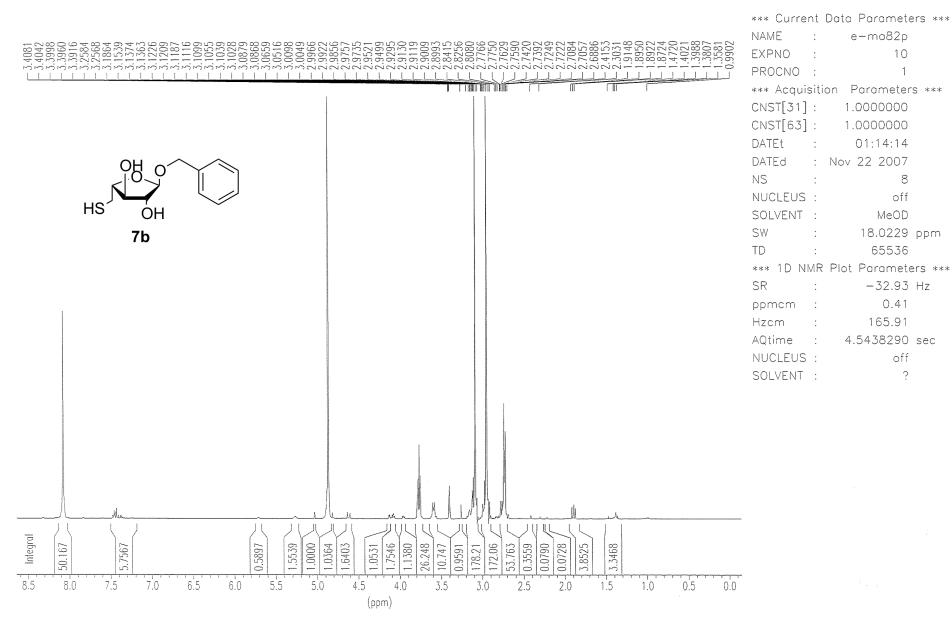
105

100



A4-proton MeOD {C:\spectres} passeur 26

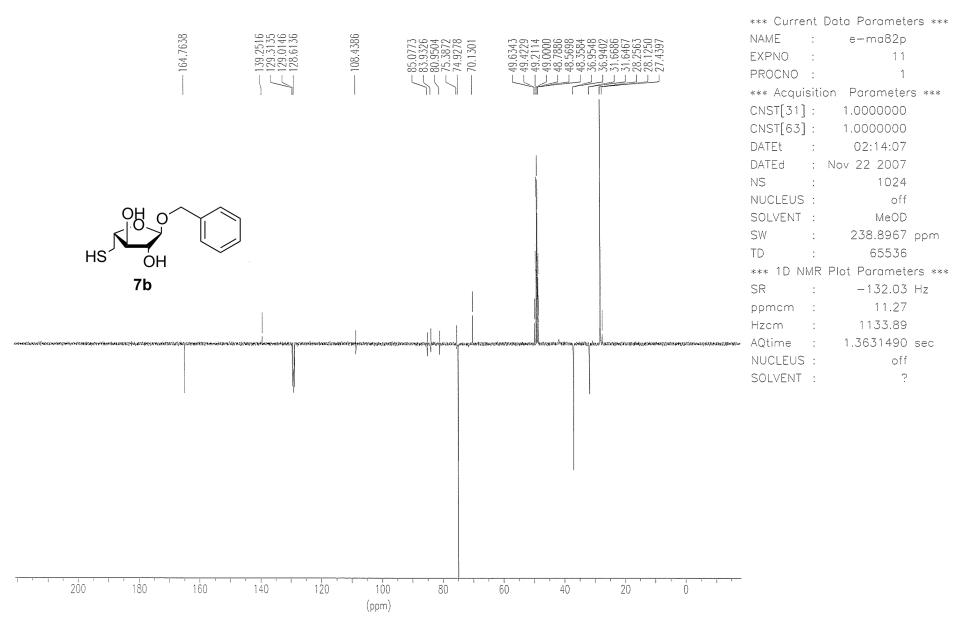




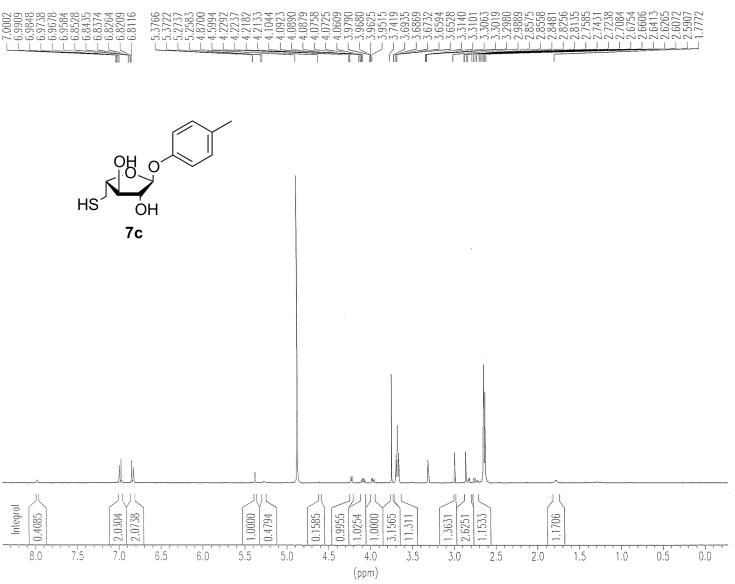


76

A4-Jmod1024 MeOD {C:\spectres} passeur 26



A4-proton MeOD {C:\spectres{ passeur 32



*** Current Data Parameters *** NAME e-ma83p EXPNO 10 PROCNO : 1 *** Acquisition Parameters *** CNST[31]: 1.0000000 CNST[63]: 1.0000000 DATEt 02:03:24 DATEd : Nov 20 2007 NS 8 NUCLEUS : off MeOD SOLVENT : SW 18.0229 ppm 65536 TD *** 1D NMR Plot Parameters *** SR 4.71 Hz

AQtime 4.5438290 sec NUCLEUS : off SOLVENT :

ppmcm Hzcm

0.41

163.64



e-ma83p

1.0000000

1.0000000 02:55:37

11

889

off MeOD

238.8967 ppm

-137.17 Hz 11.27

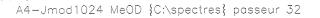
1133.89

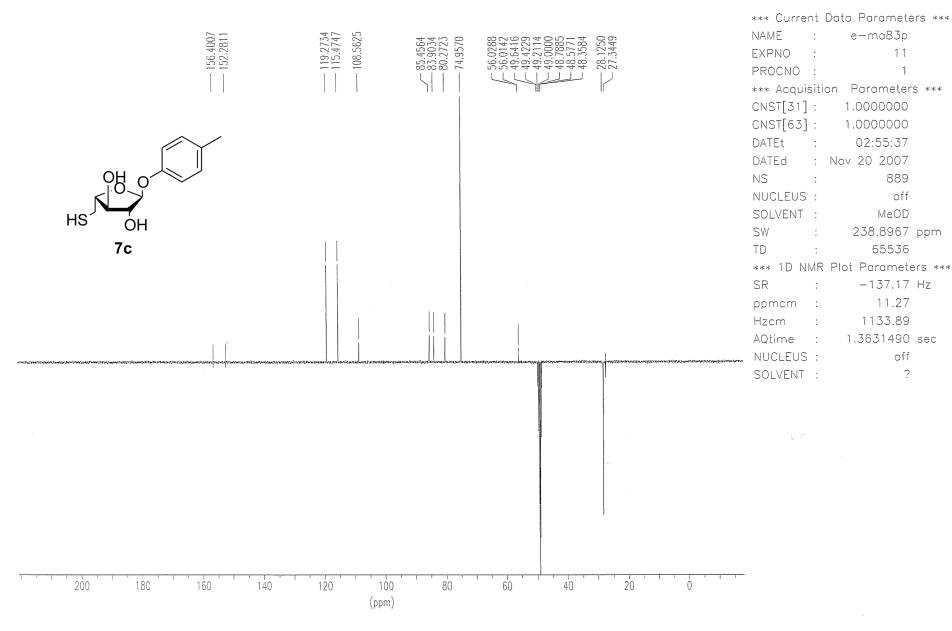
1.3631490 sec

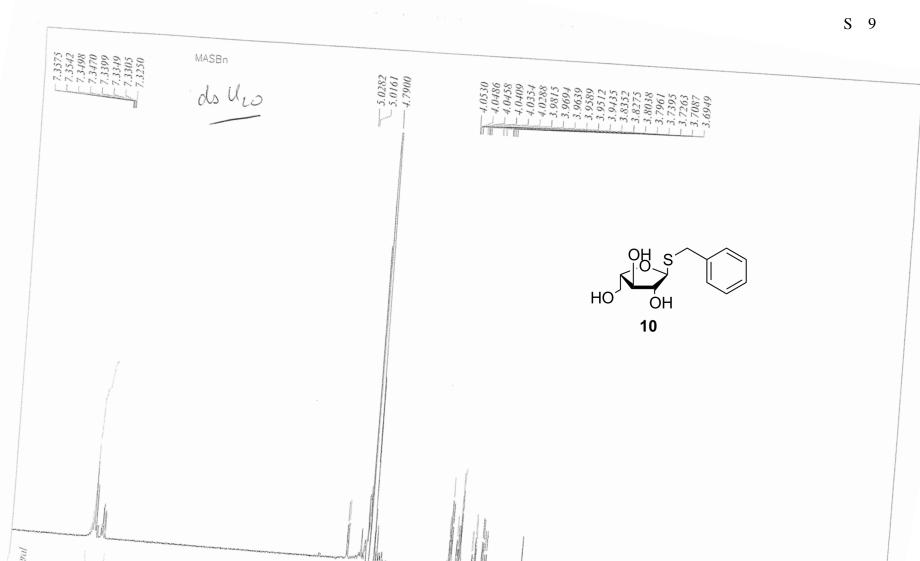
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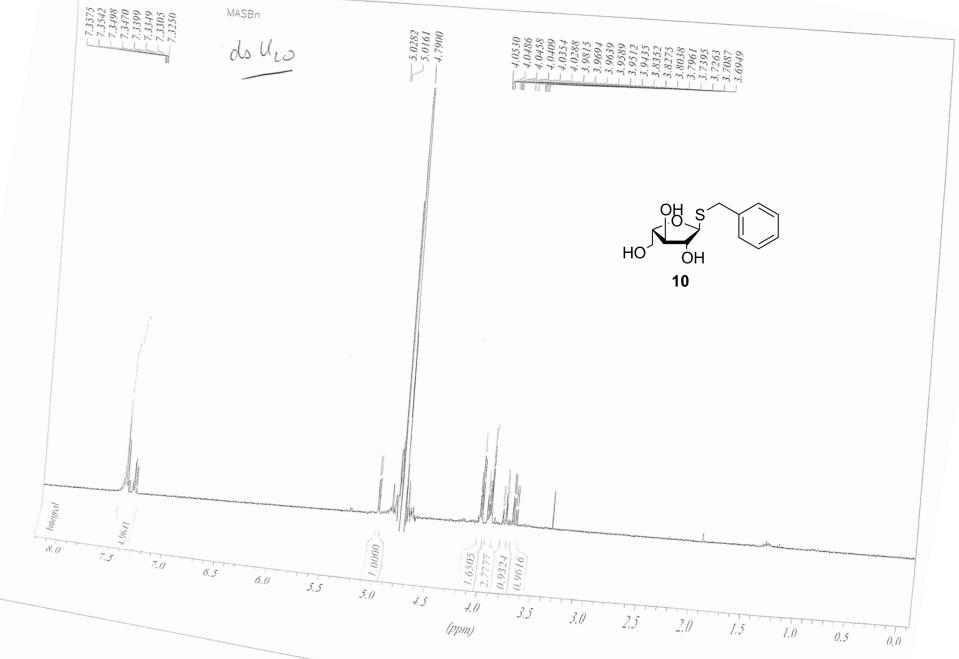
?

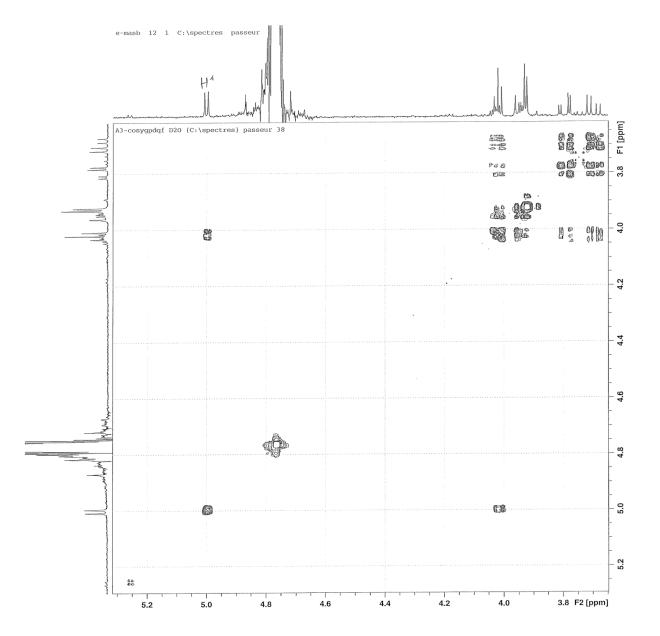
65536



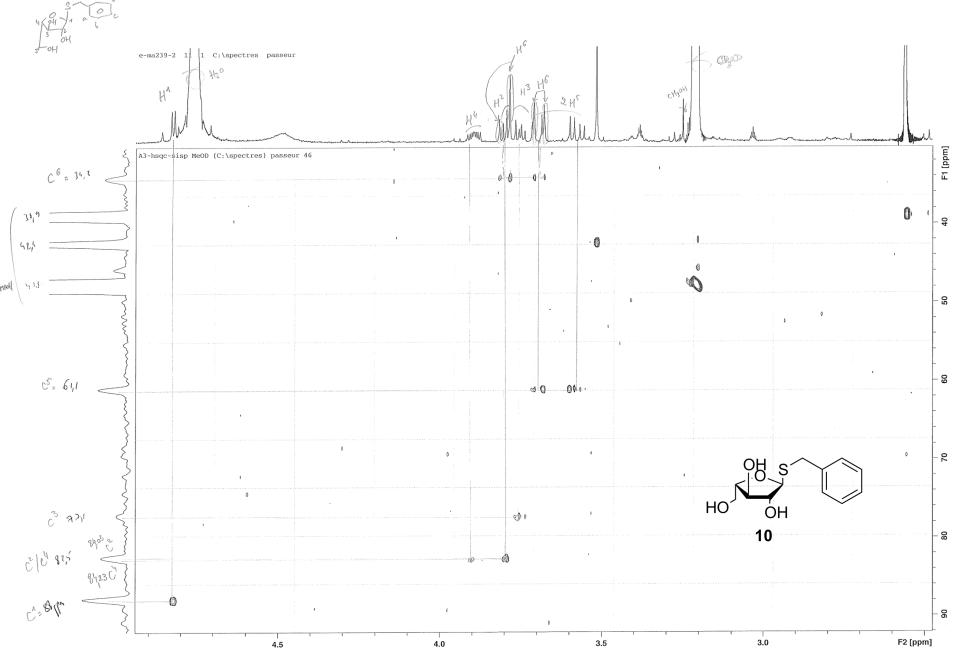




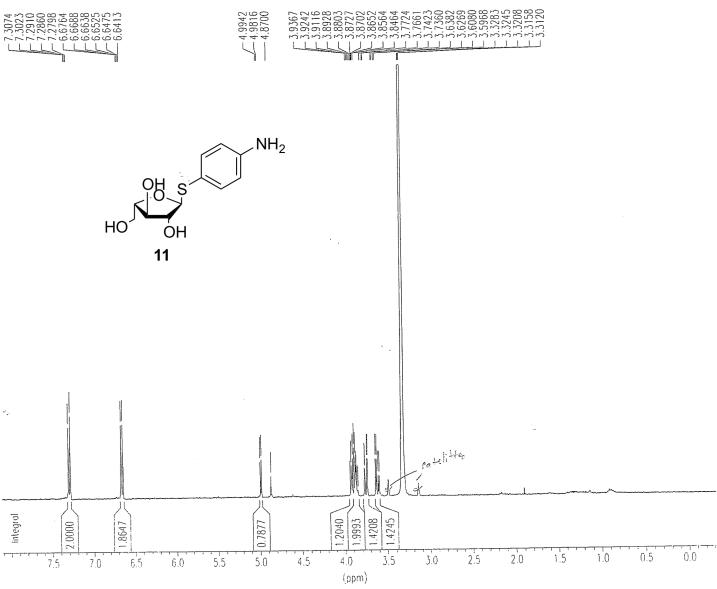








WATER MeOD {C:\spectres} posseur 51



Non de la 1- comme

*** Current Data Parameters ***

NAME : e-mo284.2**X** EXPNO : 11

PROCNO : 1

*** Acquisition Parameters ***

CNST[31]: 1.0000000 CNST[63]: 1.0000000 DATEt : 02:53:49 DATEd : Jun 09 2009 NS : 32

NUCLEUS: off SOLVENT: MeOD

SW : 20.5524 ppm

TD : 32768 TE : 297.0 K

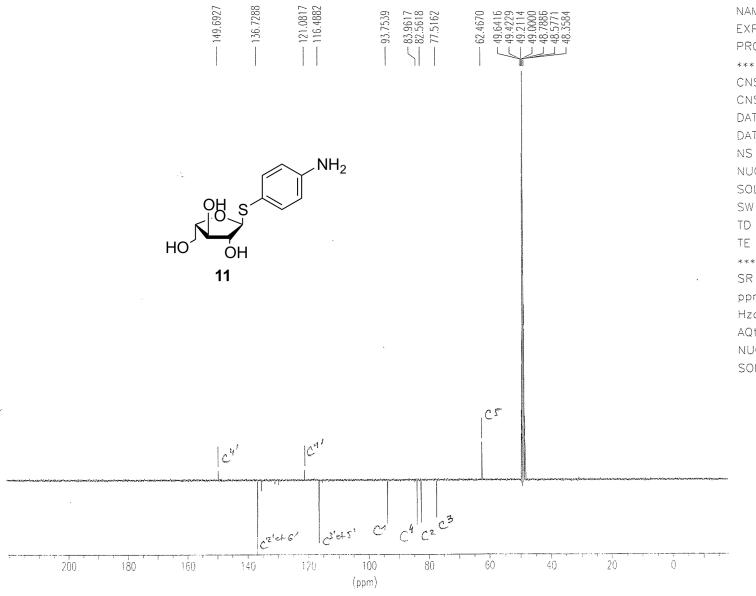
*** 1D NMR Plot Parameters ***

SR : -0.94 Hz ppmcm : 0.40 Hzcm : 159.17

AQtime : 1.9922940 sec

NUCLEUS: off SOLVENT: ?

A4-Jmod1024 MeOD {C:\spectres{ passeur 18



*** Current Data Parameters ***

NAME : e-ma290

EXPNO : 11

PROCNO : 1

*** Acquisition Parameters ***

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CNST[63]: 1.0000000
DATEt : 14:32:05
DATEd : Jun 13 2009
NS : 3072
NUCLEUS : off
SOLVENT : MeOD

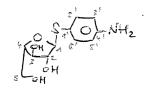
SW : 238.8967 ppm TD : 65536

TE : 297.0 K

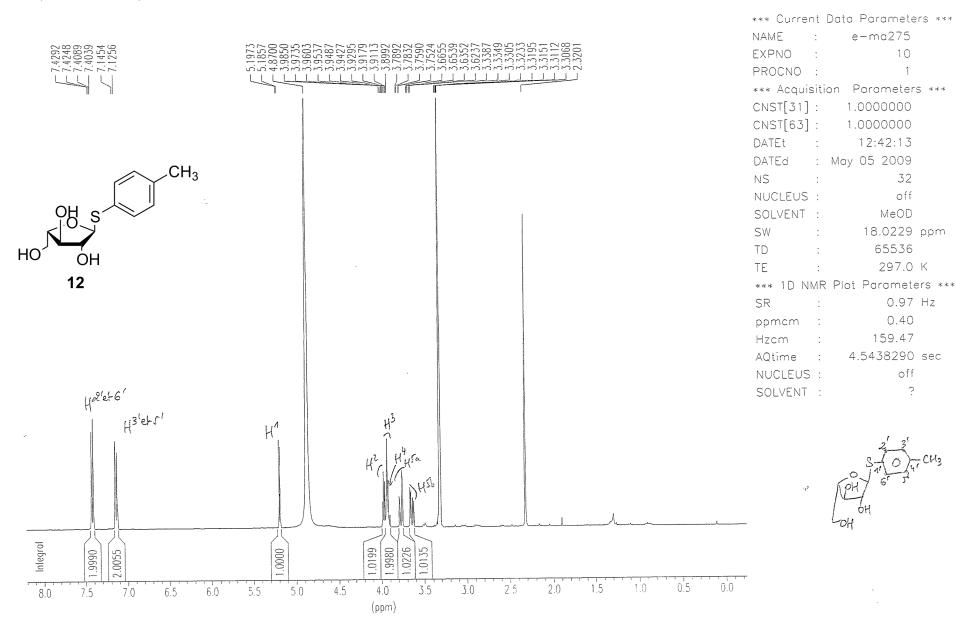
*** 1D NMR Plot Parameters ***

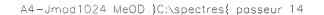
SR : -142.30 Hz ppmcm : 11.27 Hzcm : 1133.89 AQtime : 1.3631490 sec

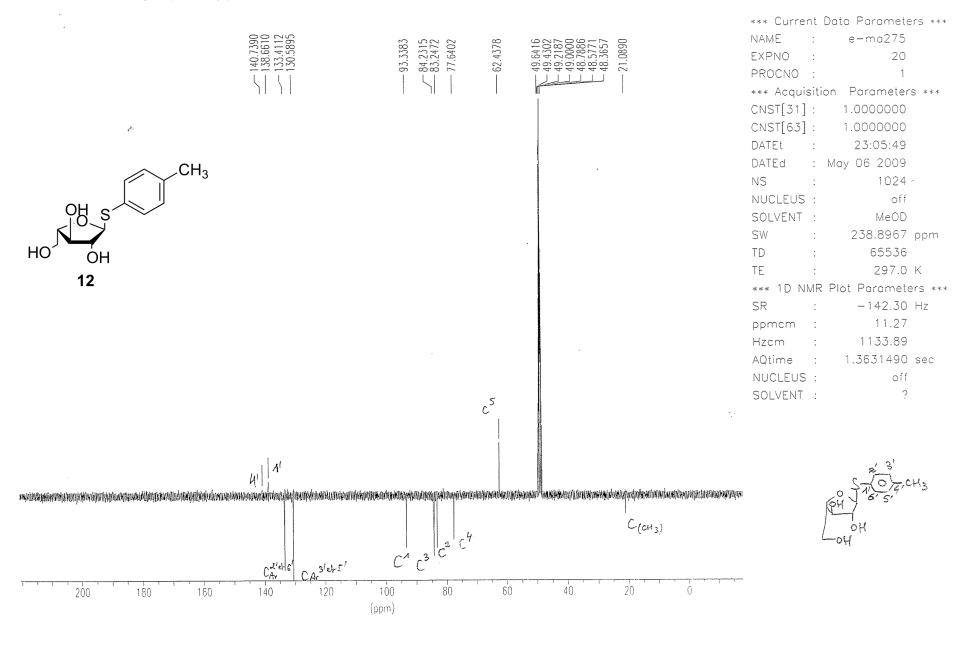
NUCLEUS: off SOLVENT: ?

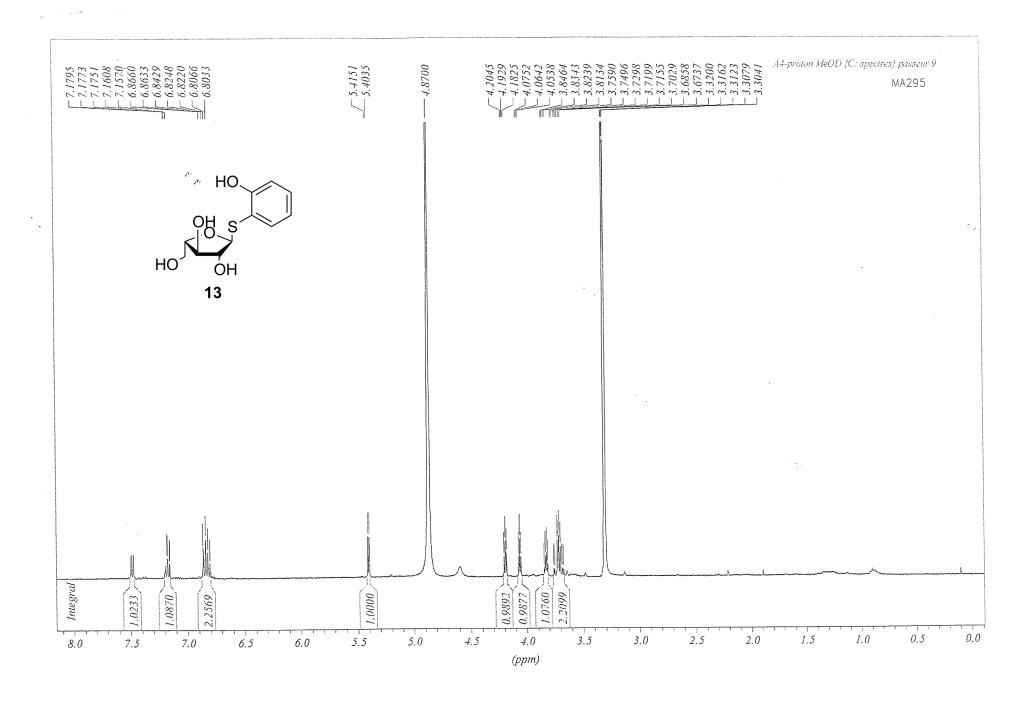


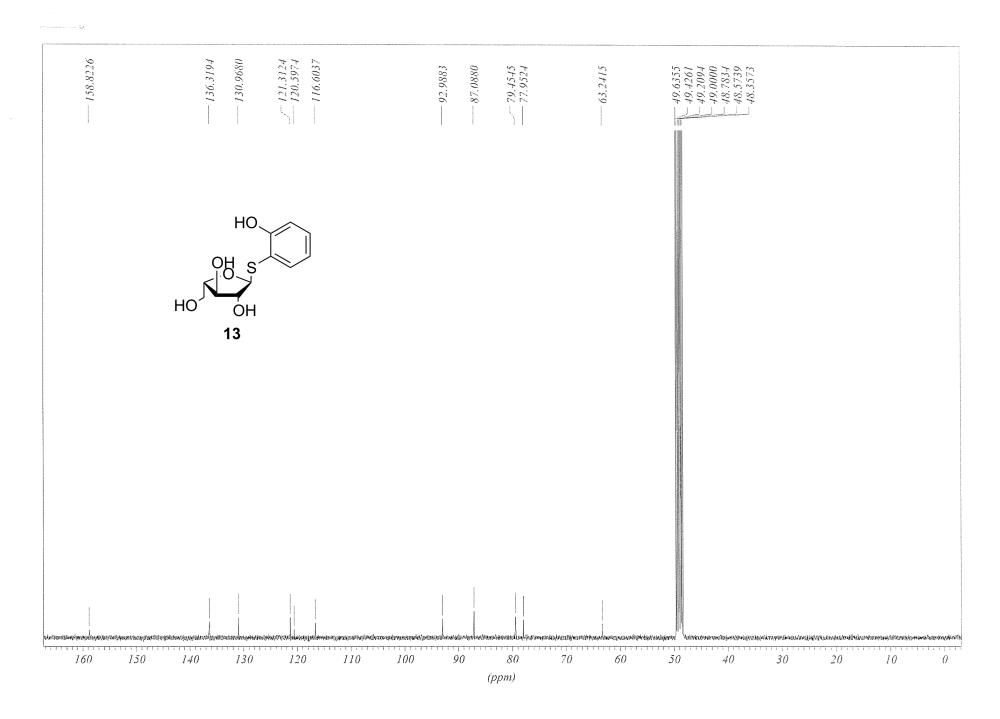
A4-proton32 MeOD {C:\spectres} passeur 15

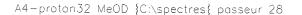


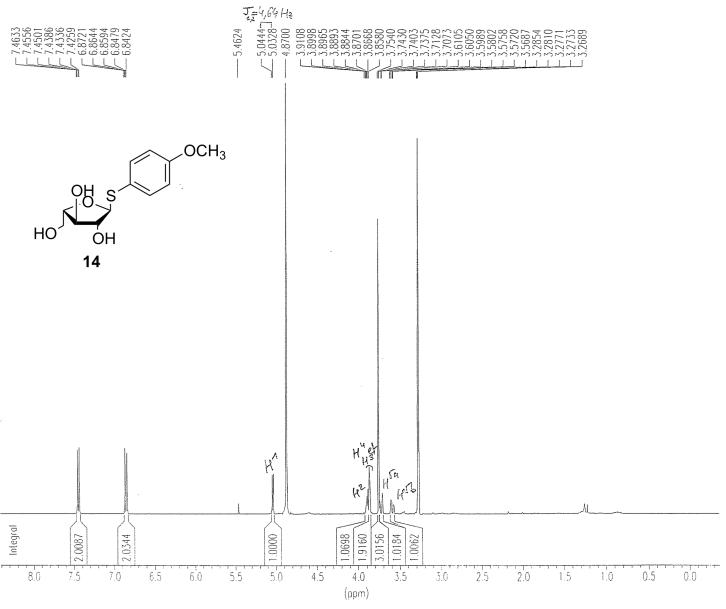






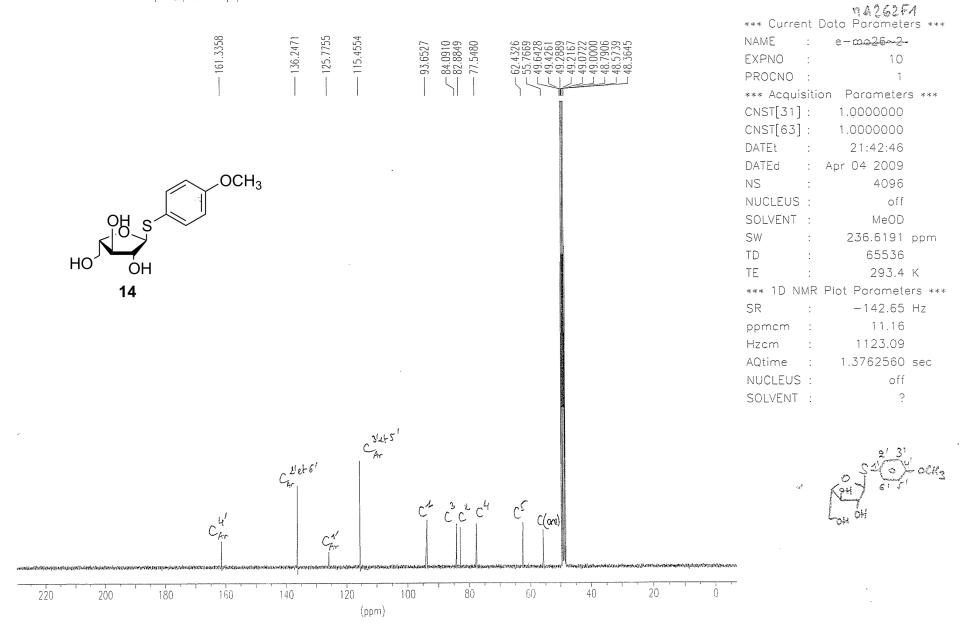


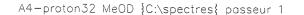


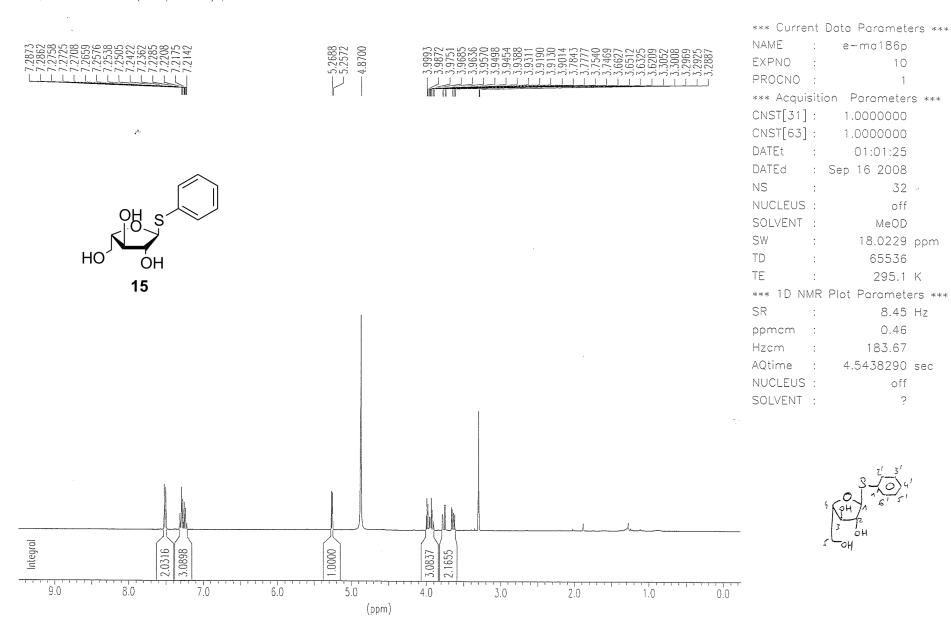


NA 262F1 *** Current Data Parameters *** NAME **EXPNO** PROCNO : *** Acquisition Parameters *** CNST[31]: 1.0000000 CNST[63]: 1.0000000 DATEt 04:59:05 DATEd : Apr 03 2009 NS 32 off NUCLEUS : SOLVENT : MeOD 18.0229 ppm SW TD 65536 TE 292.7 K *** 1D NMR Plot Parameters *** SR 16.37 Hz 0.41 ppmcm 165.78 Hzcm AQtime 4.5438290 sec NUCLEUS : off SOLVENT :

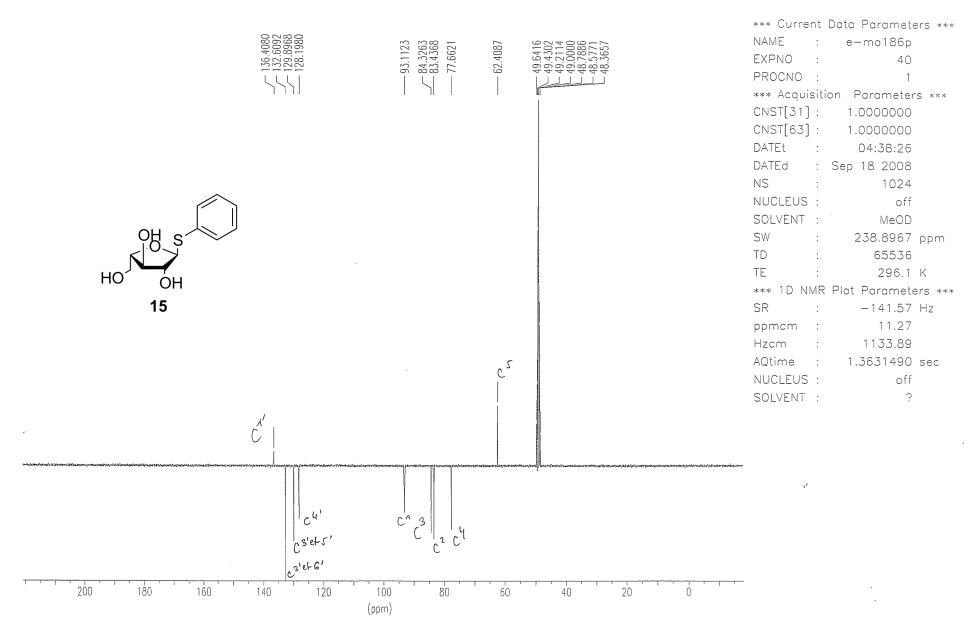
A4-C13CPD1024 MeOD {C:\spectres{ passeur 45

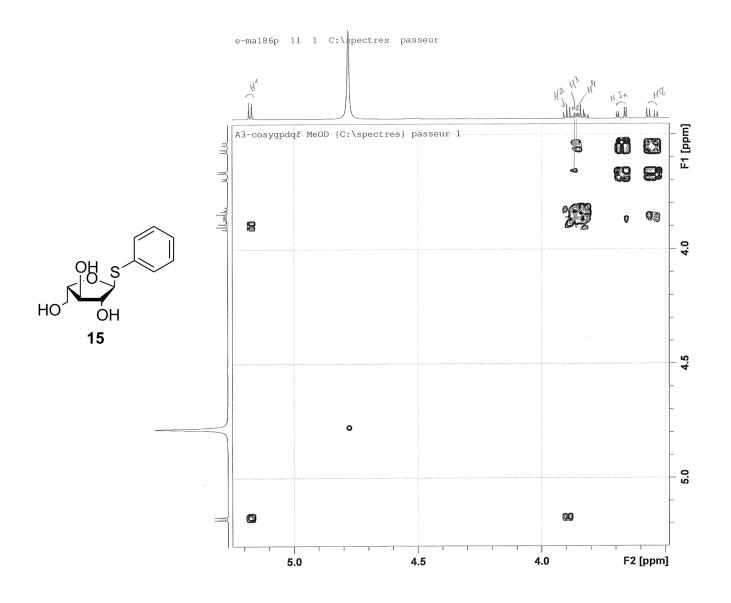


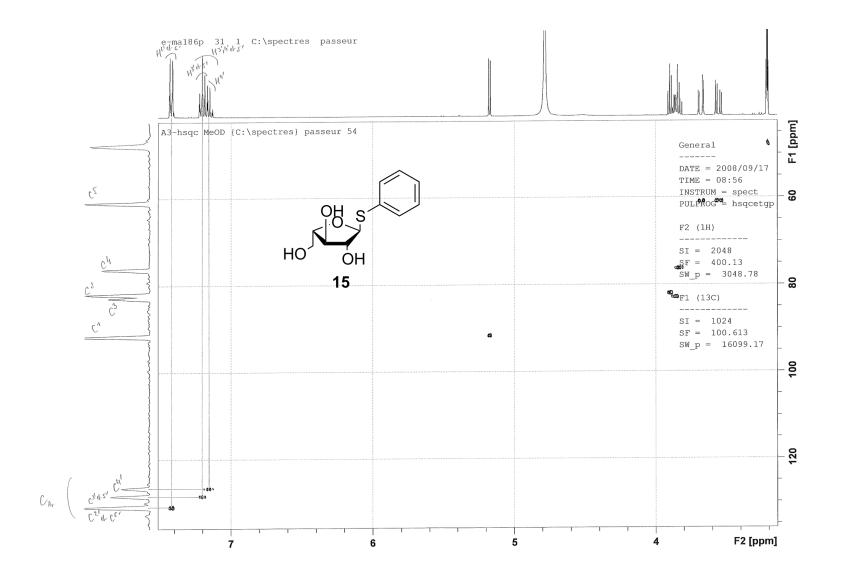


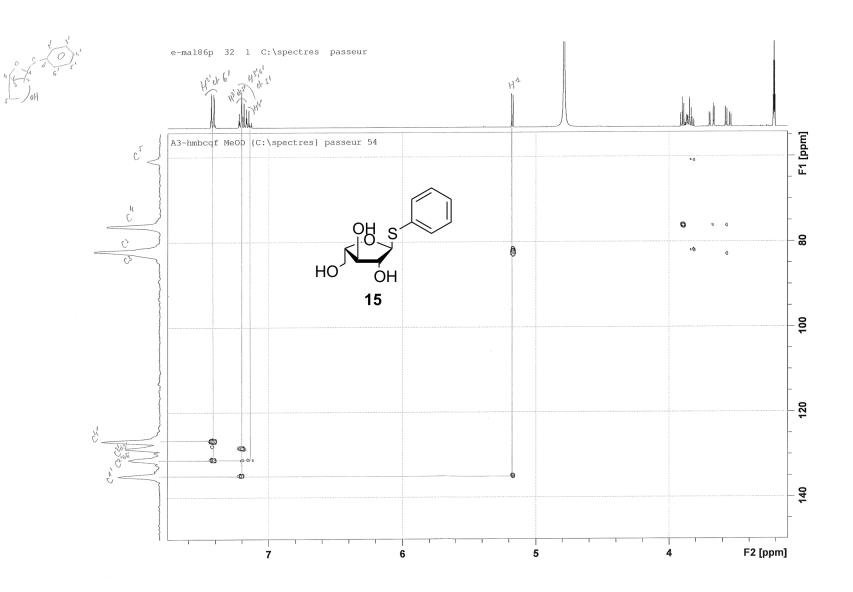


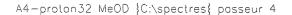
A4-Jmod1024 MeOD {C:\spectres} passeur 15

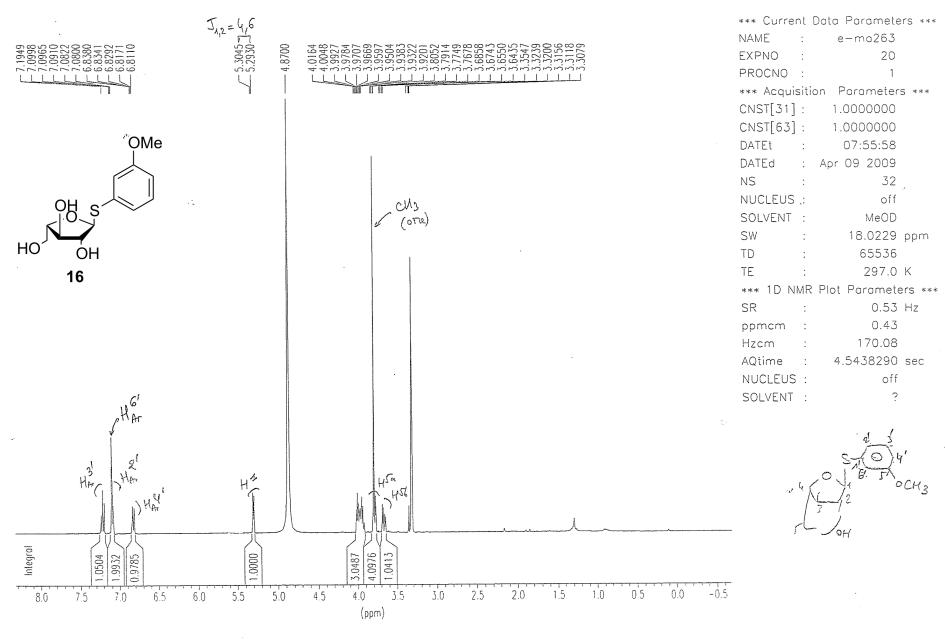




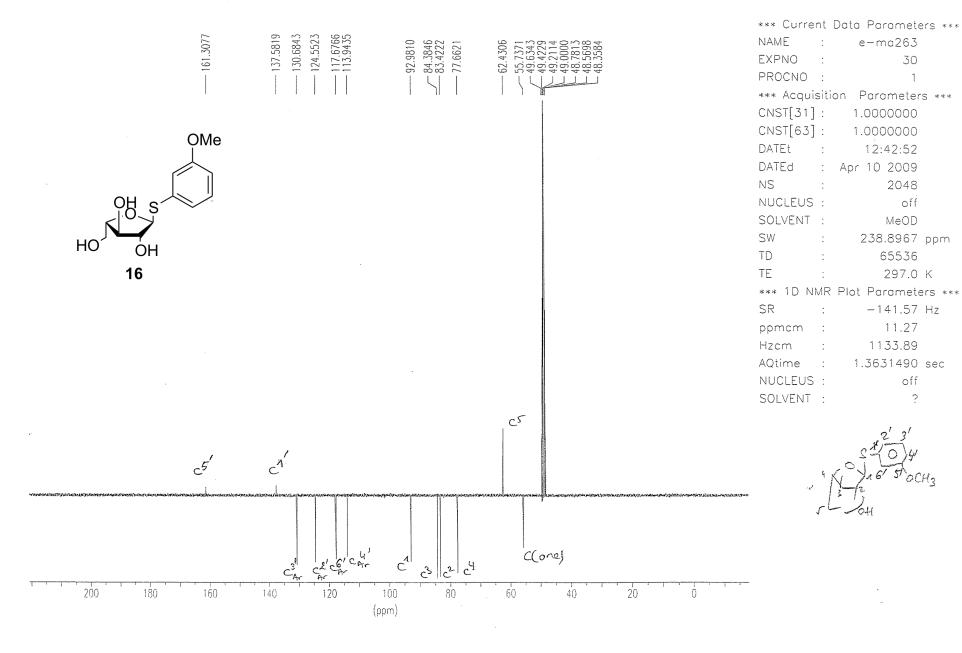




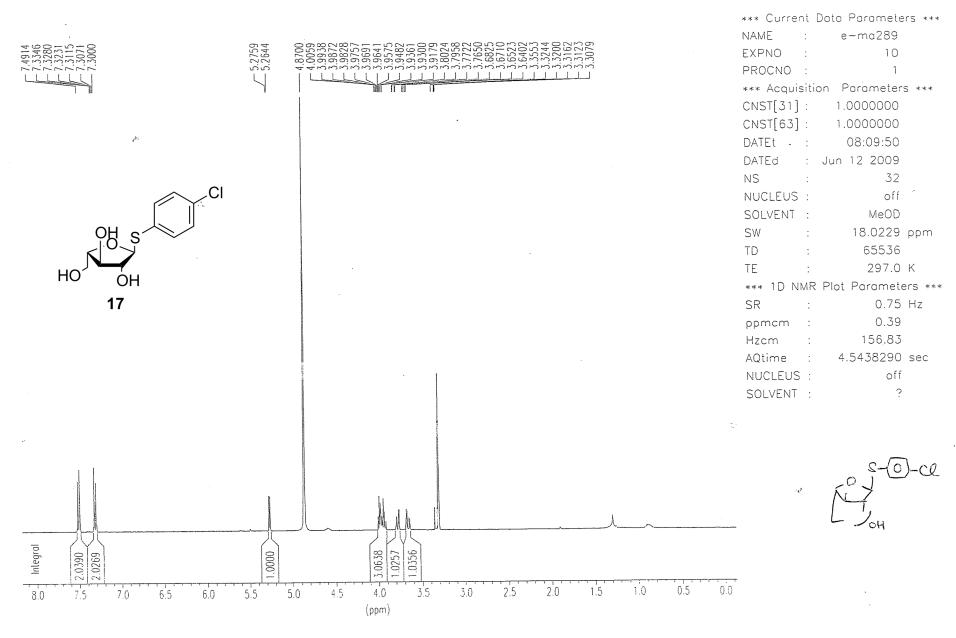


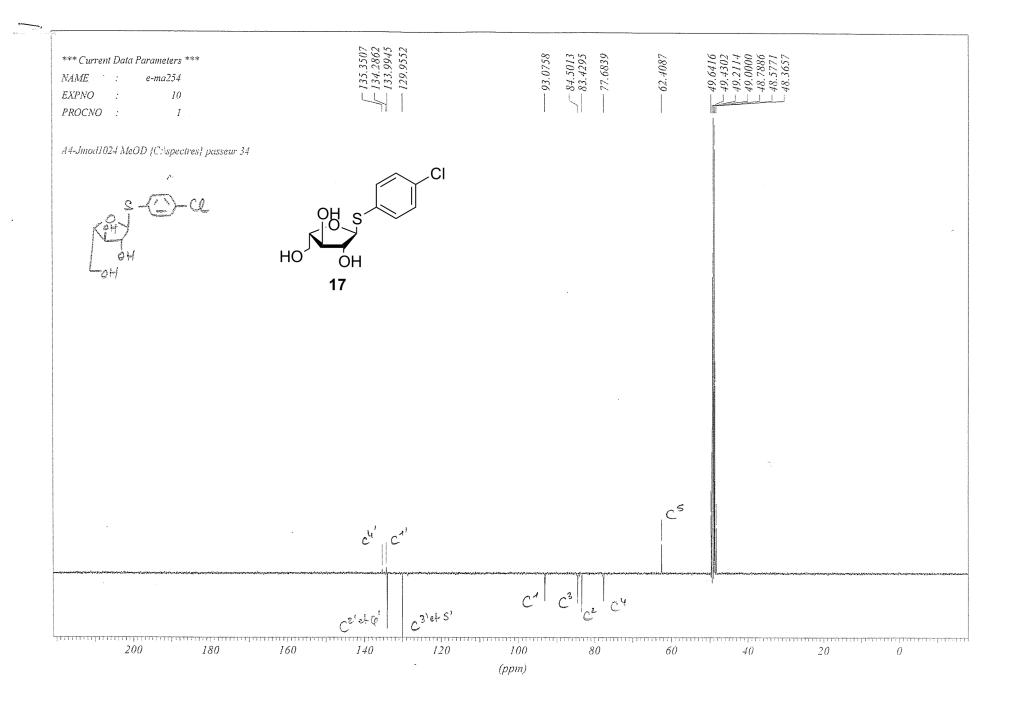


A4-Jmod1024 MeOD {C:\spectres} passeur 6

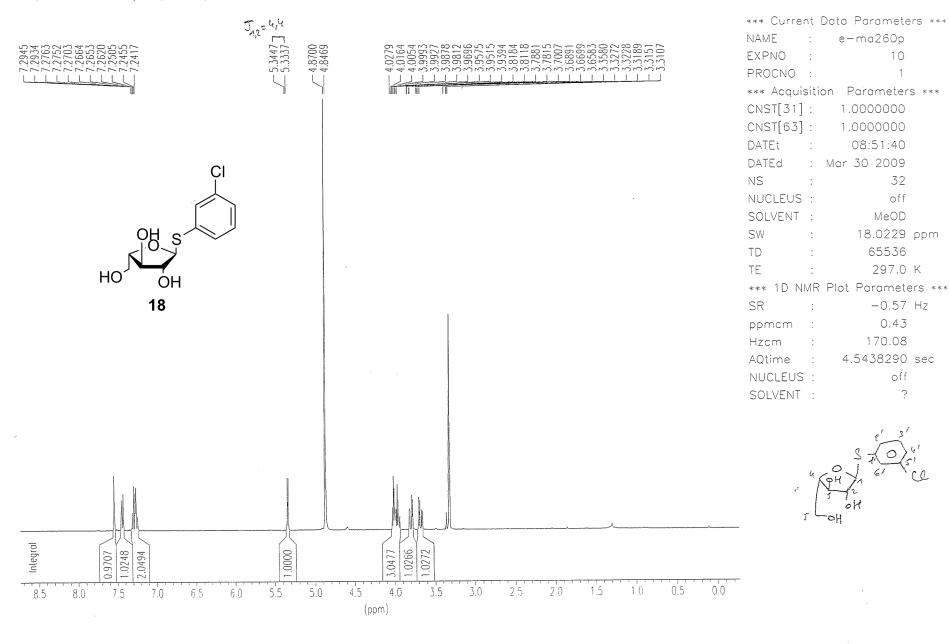


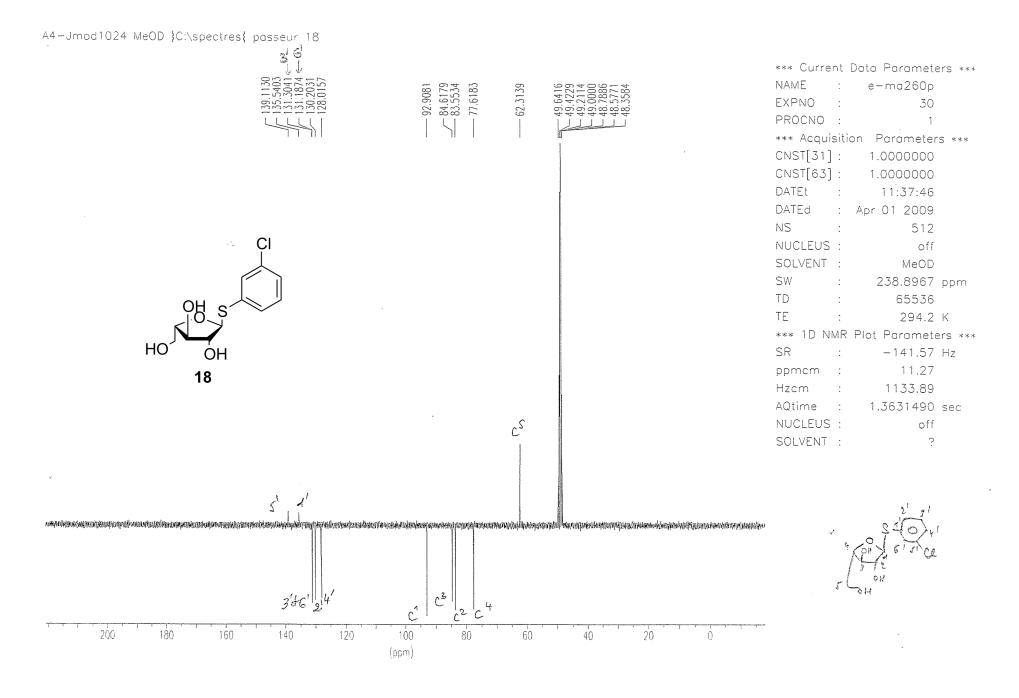
A4-proton32 MeOD {C:\spectres} passeur 19

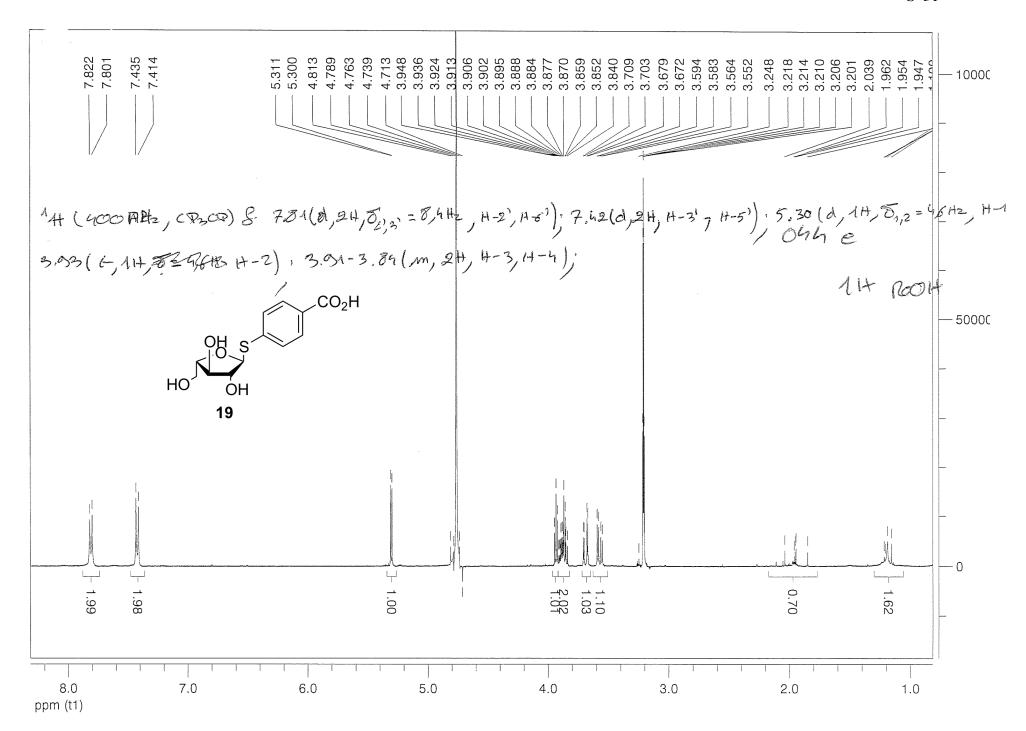


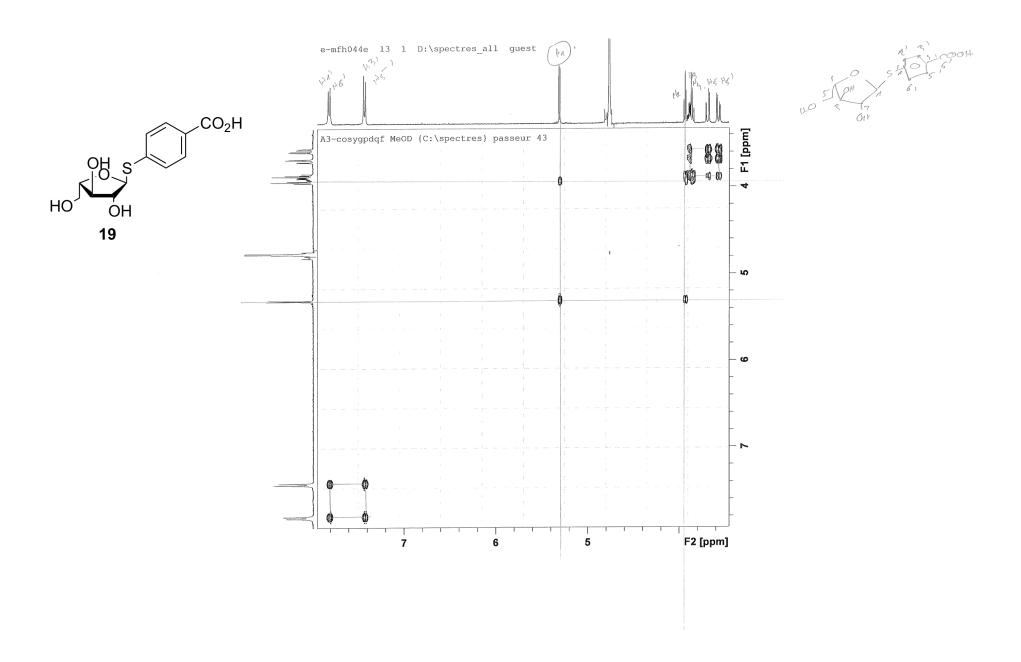




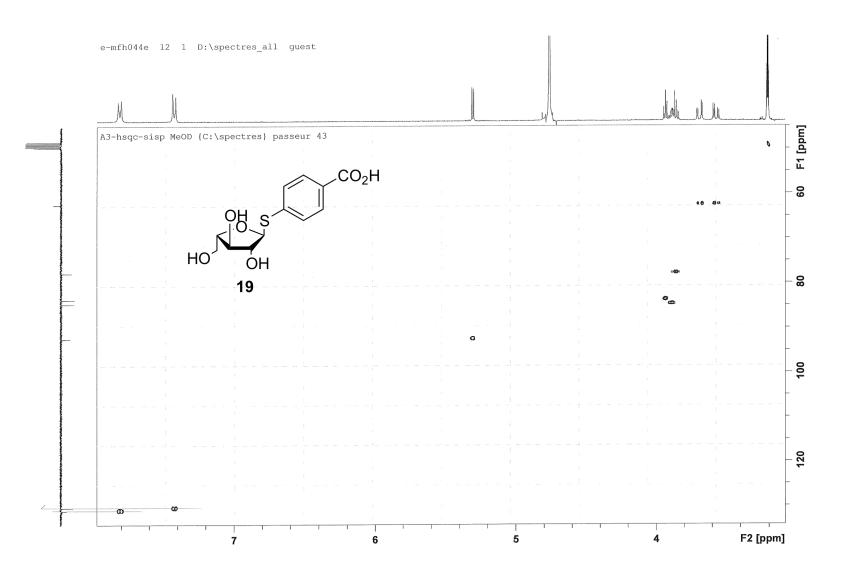




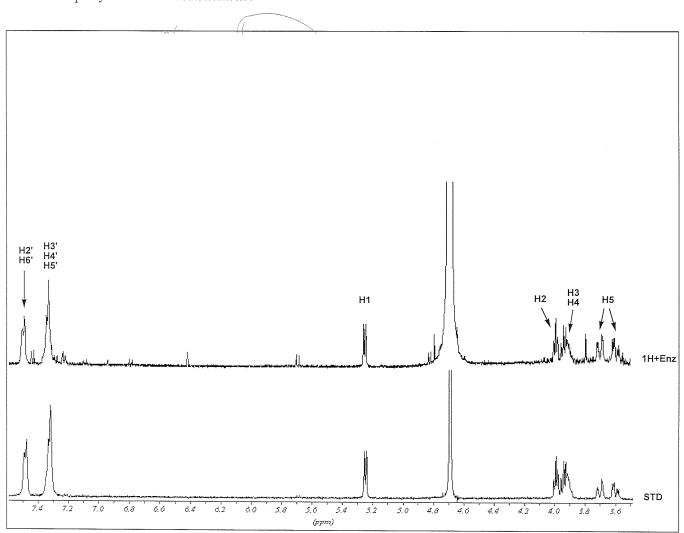




1-BOC



STD NMR of phenyl-1-thio-α-L-arabinofuranoside



STD NMR of benzyl-1-thio- α -L-arabinofuranoside

