

Electronic Supporting Information

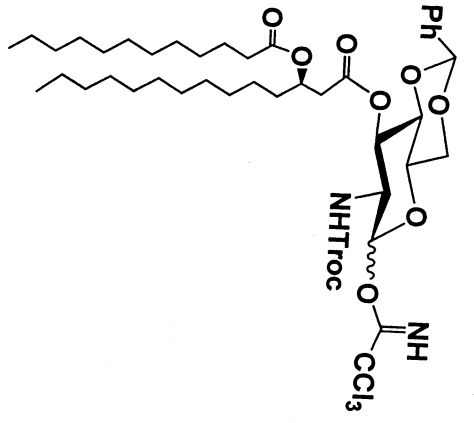
**Chemical synthesis and proinflammatory responses of
monophosphoryl lipid A adjuvant candidates**

**Kaustabh K. Maiti, Michael DeCastro, Abu-Baker M. Abdel-Aal El-Sayed,
Matthew I. Foote, Margreet A. Wolfert, and Geert-Jan Boons***

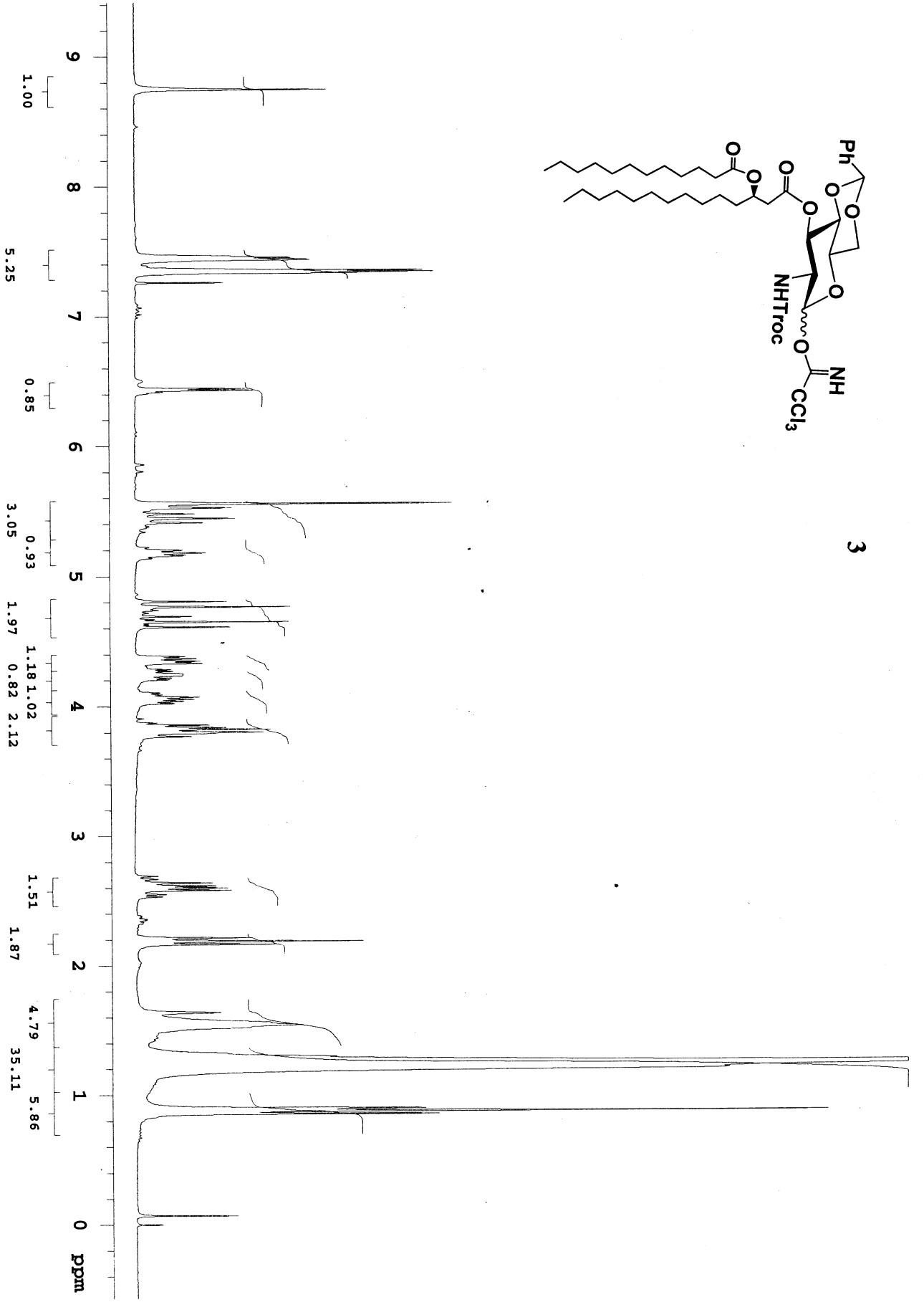
Eur. J. Org. Chem.

This PDF file includes:

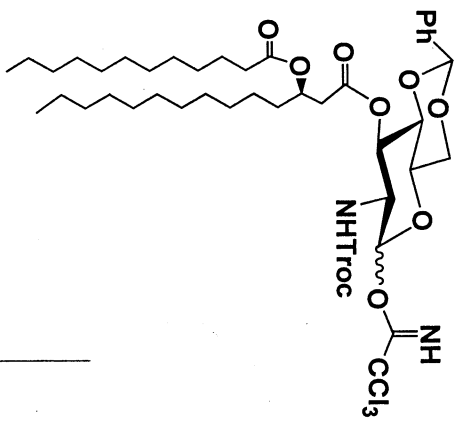
NMR spectra synthetic compounds



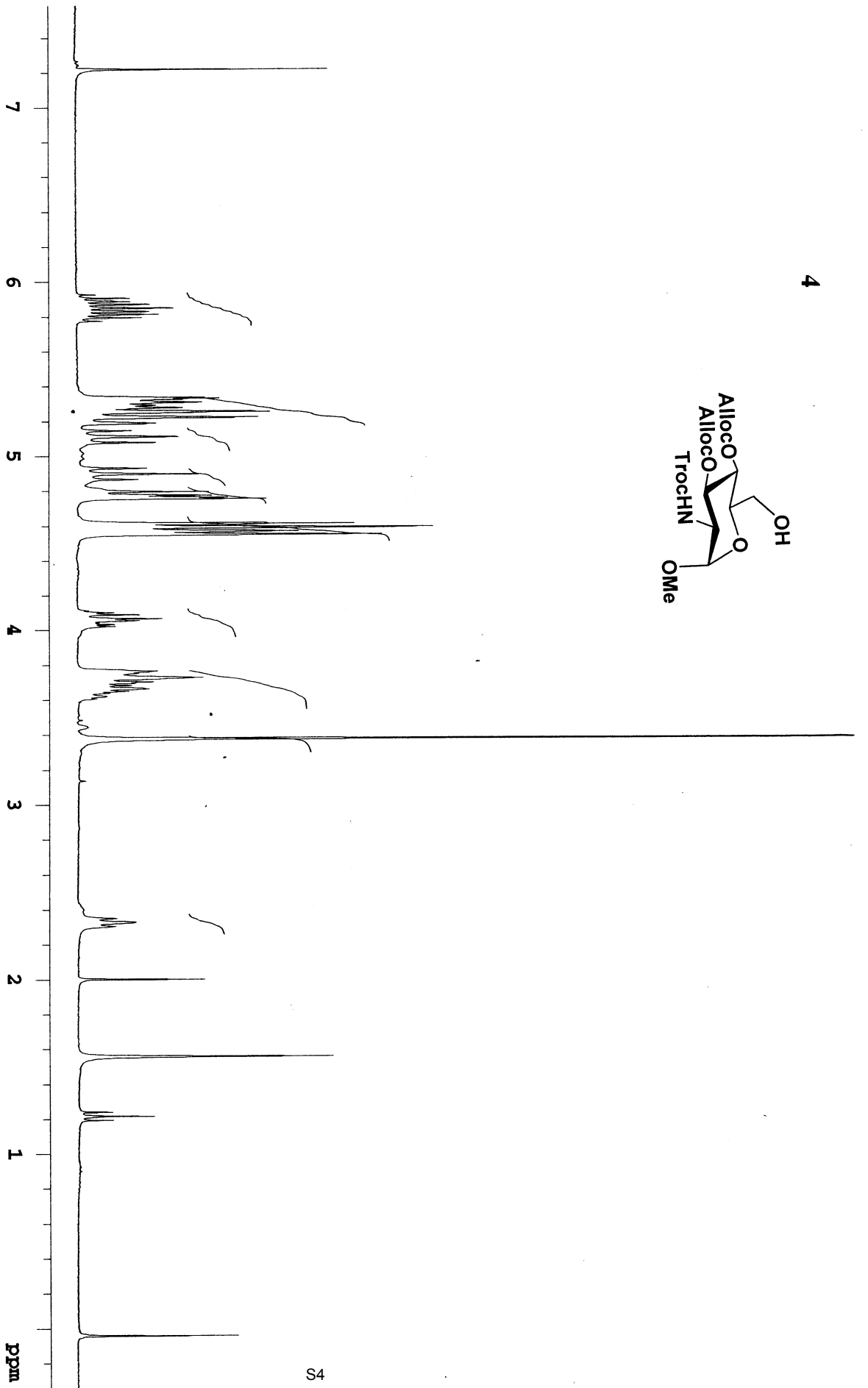
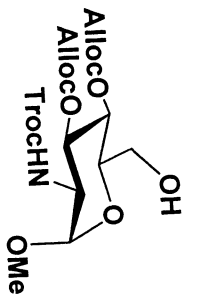
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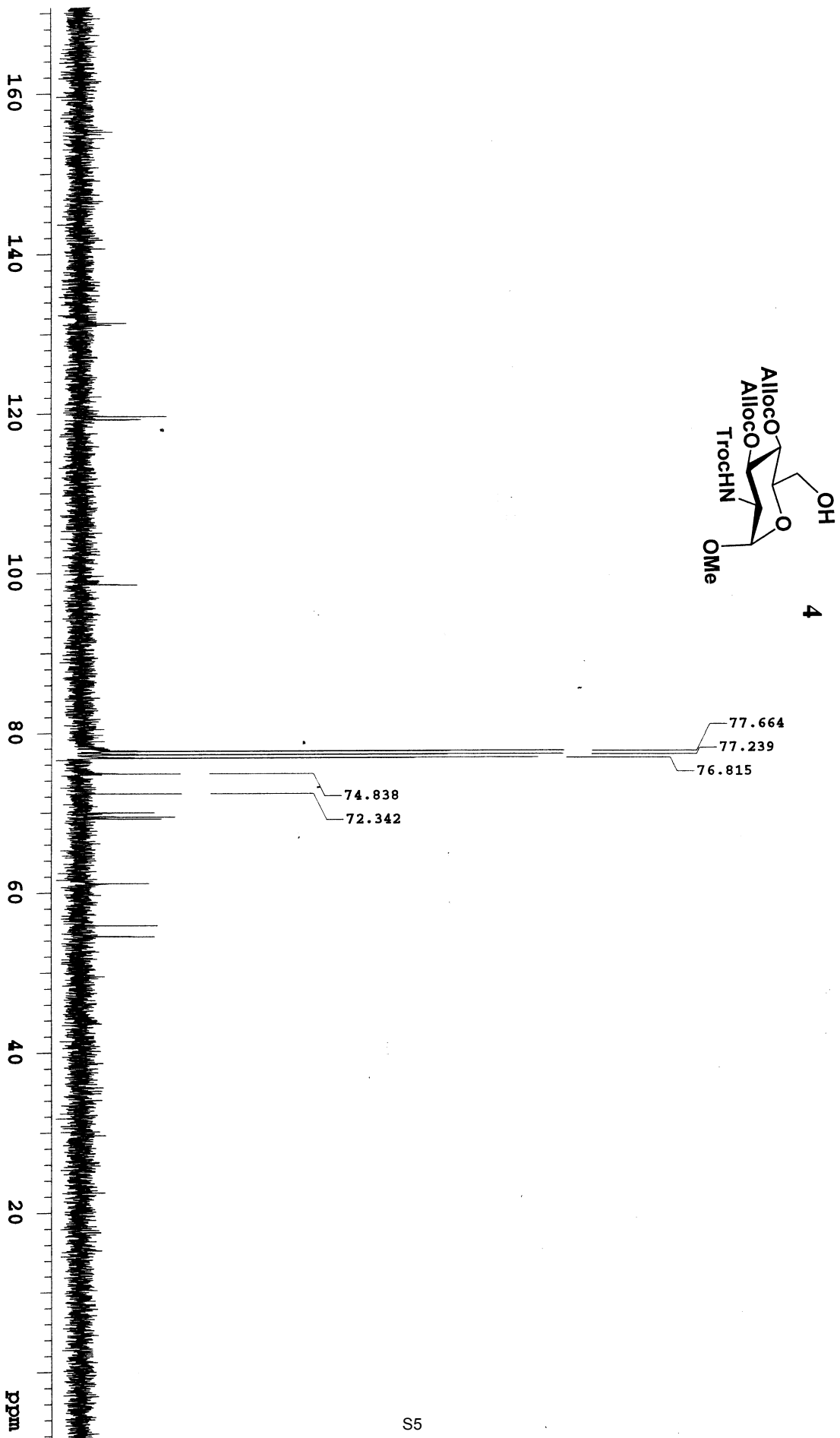


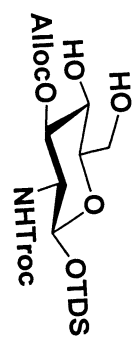
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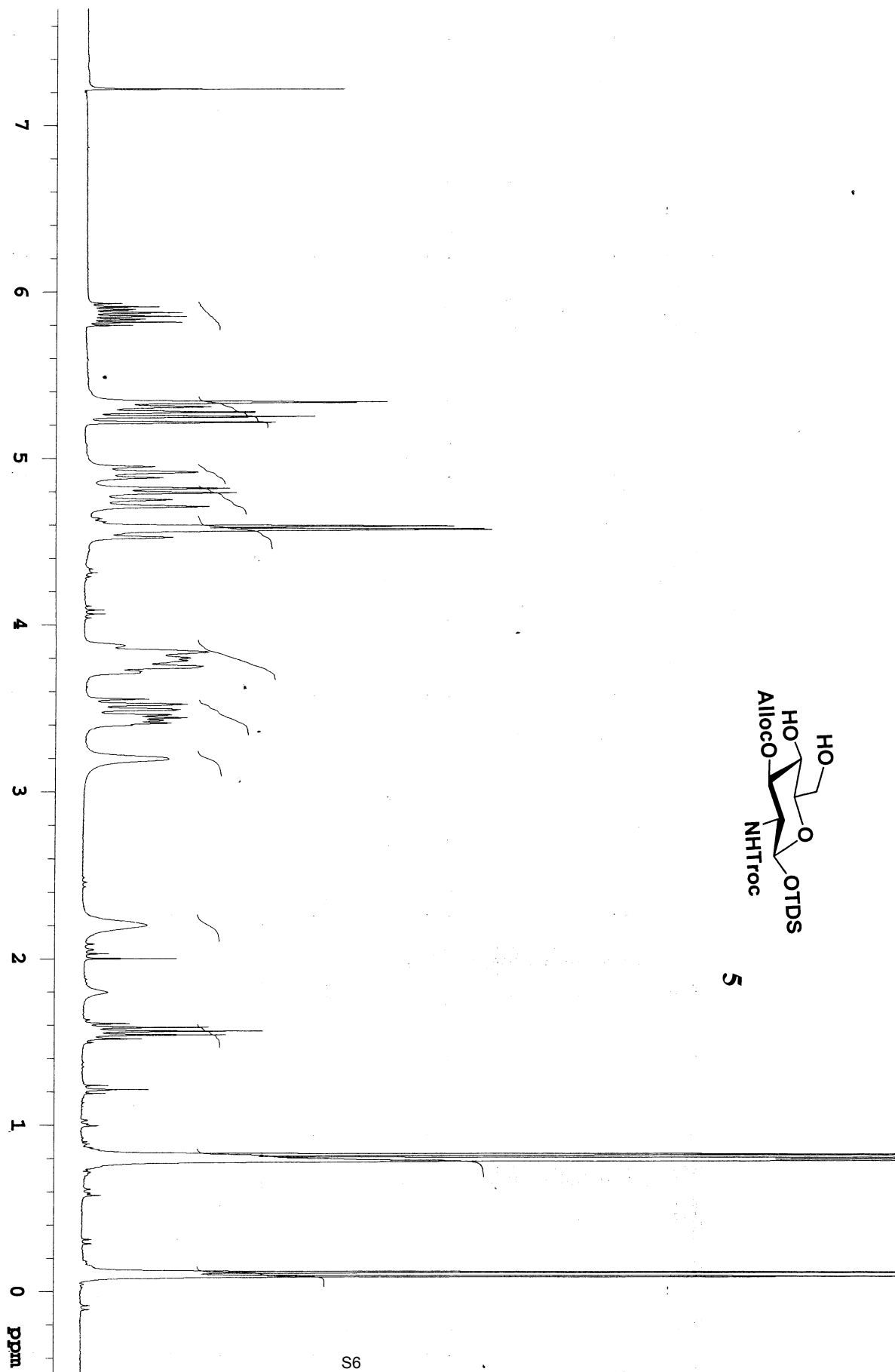
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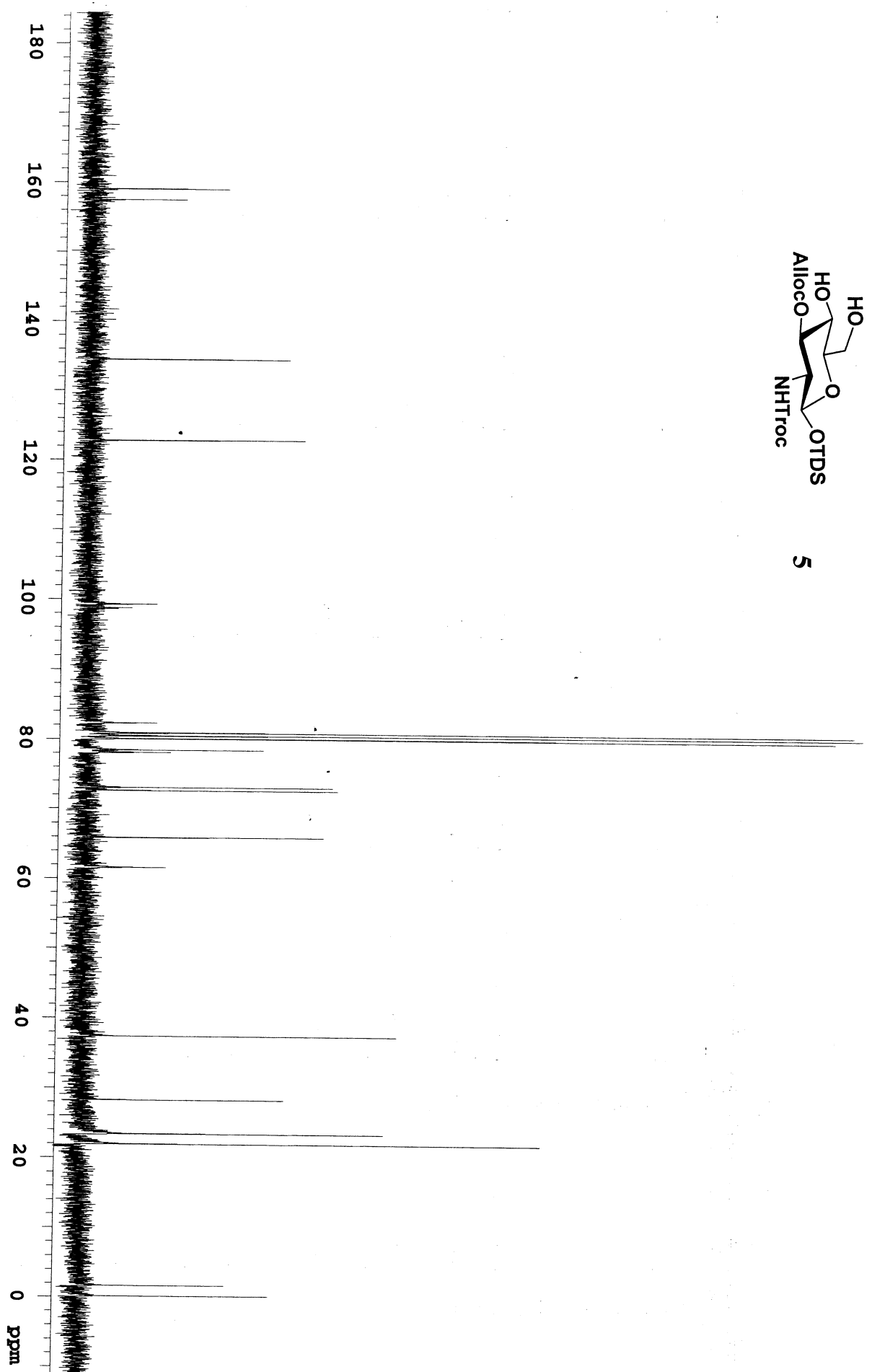
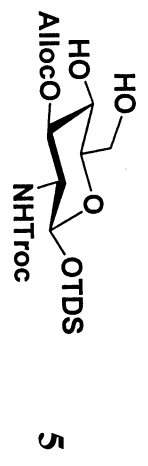




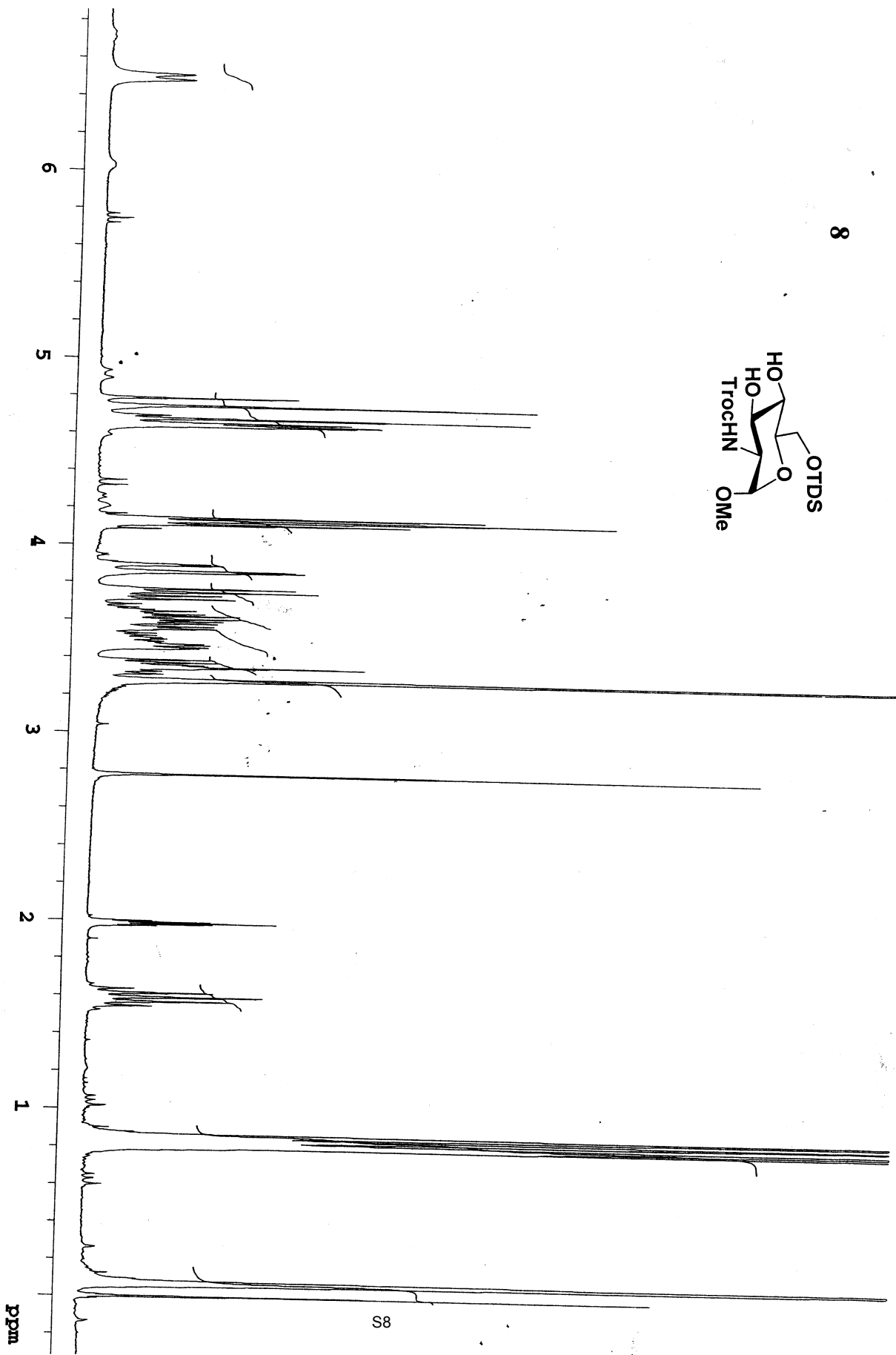
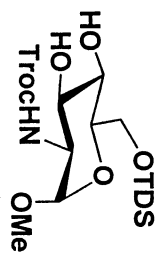


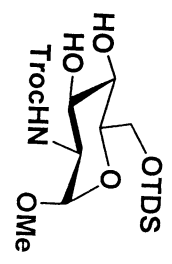
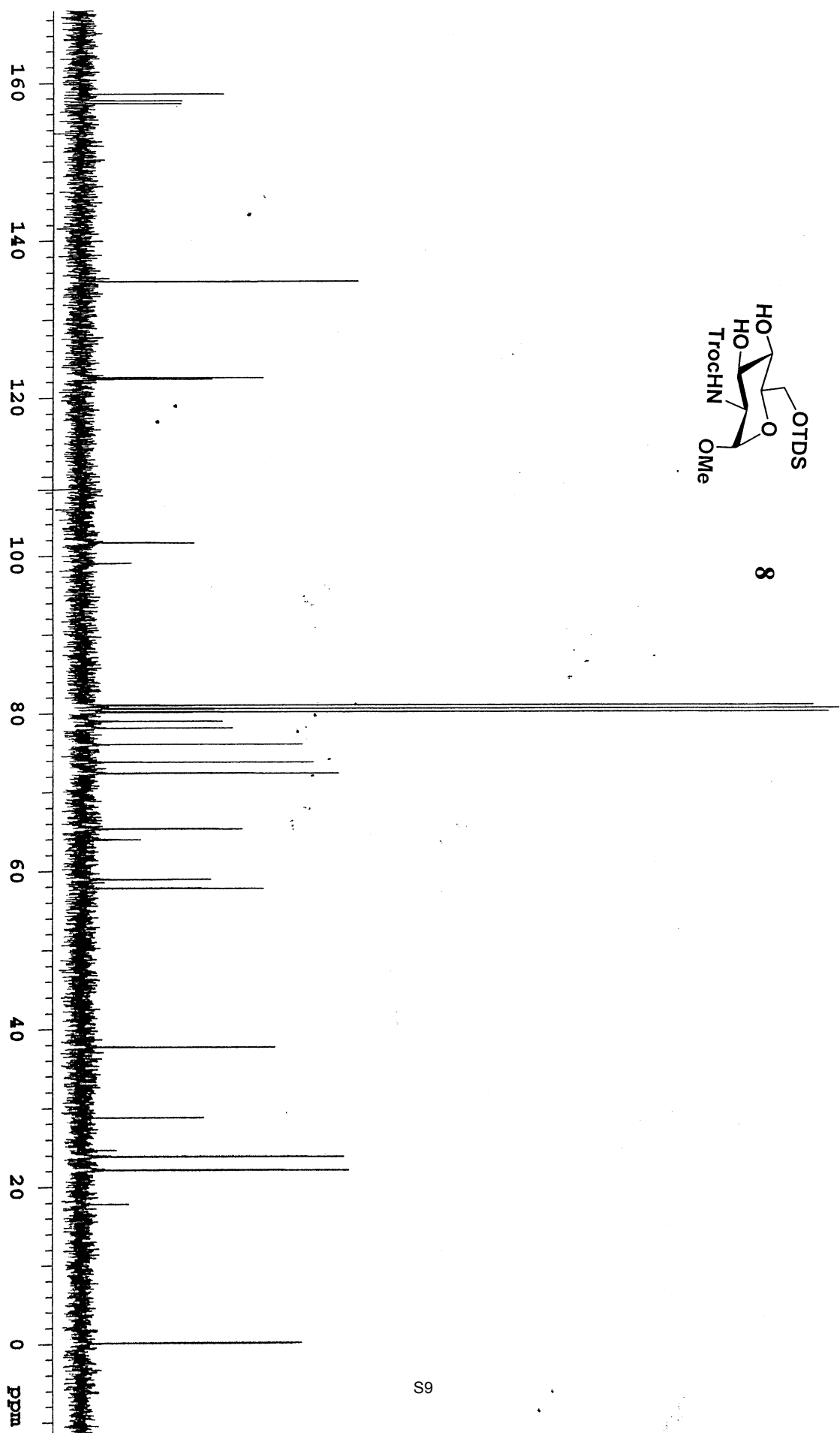
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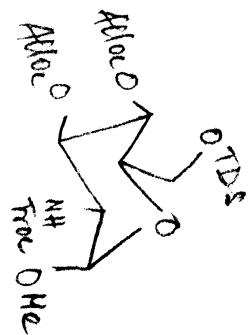


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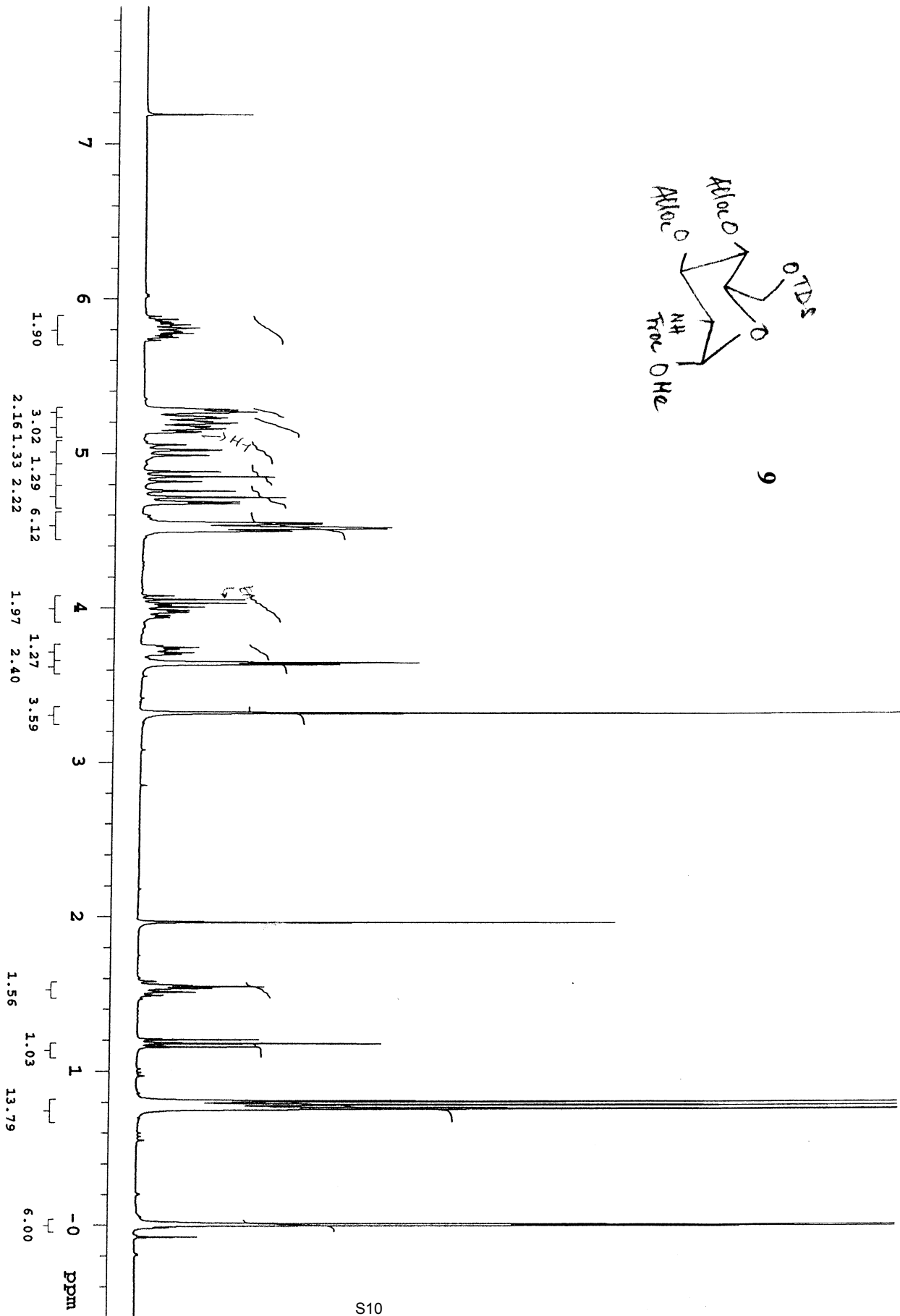




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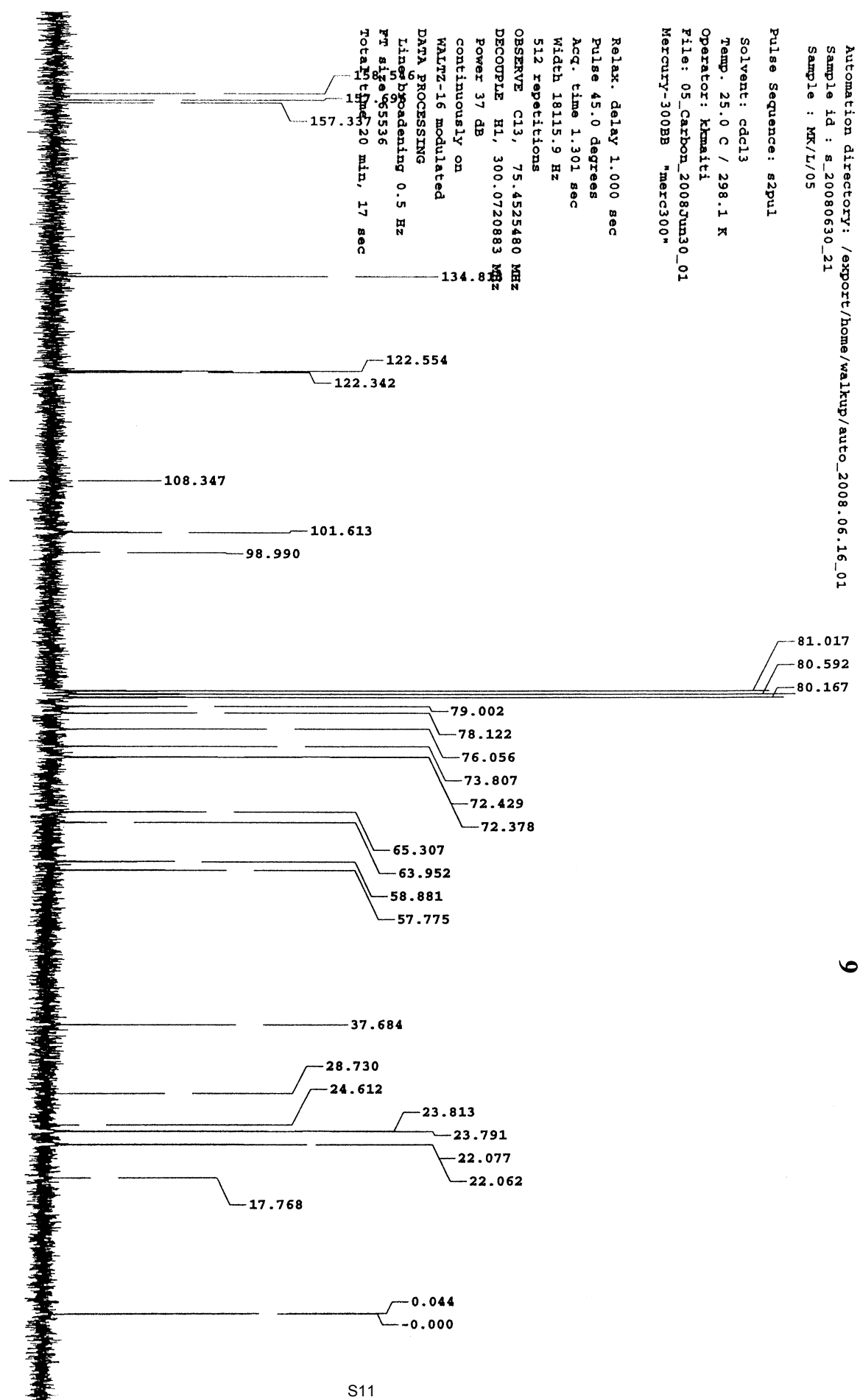
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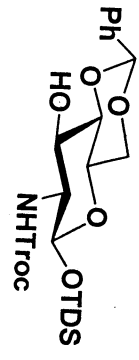


Automation directory: /export/home/walkup/autoc_2008.06.16_01
Sample id : s_20080630_21
Sample : MK/L/05

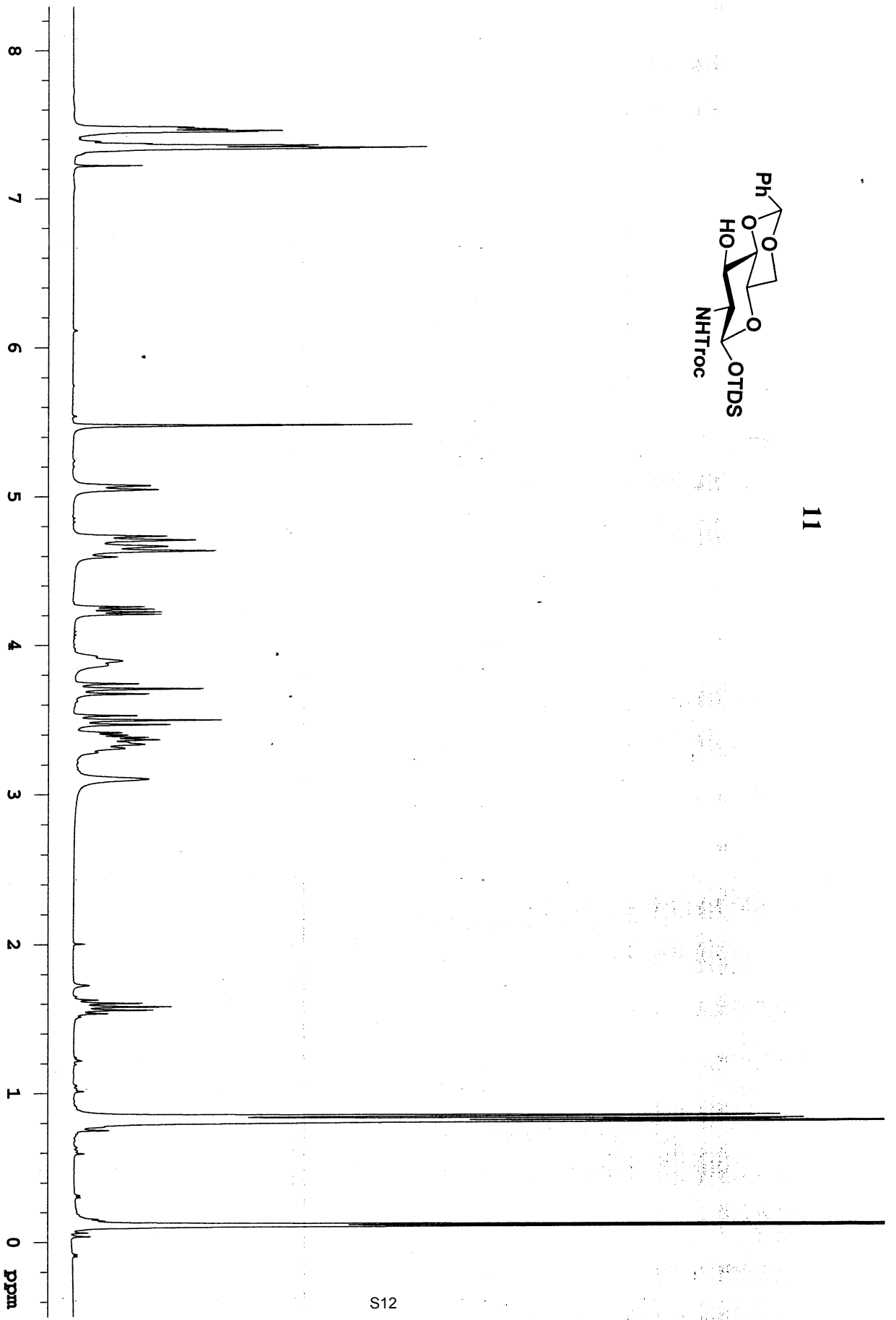
Pulse Sequence: s2pul
Solvent: cdcl3
Temp. 25.0 C / 298.1 K
Operator: khaiti
File: 05_Carbon_2008Jun30_01
Mercury-300BB "merc300"

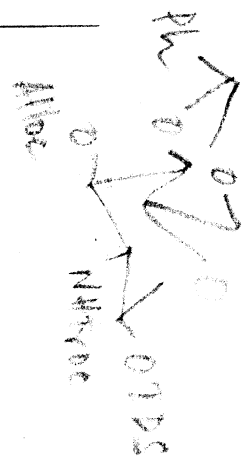
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.301 sec
Width 18115.9 Hz
512 repetitions
OBSERVE C13, 75.4525480 MHz
DECOUPLE H1, 300.0720883 MHz
Power 37 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 20 min, 17 sec



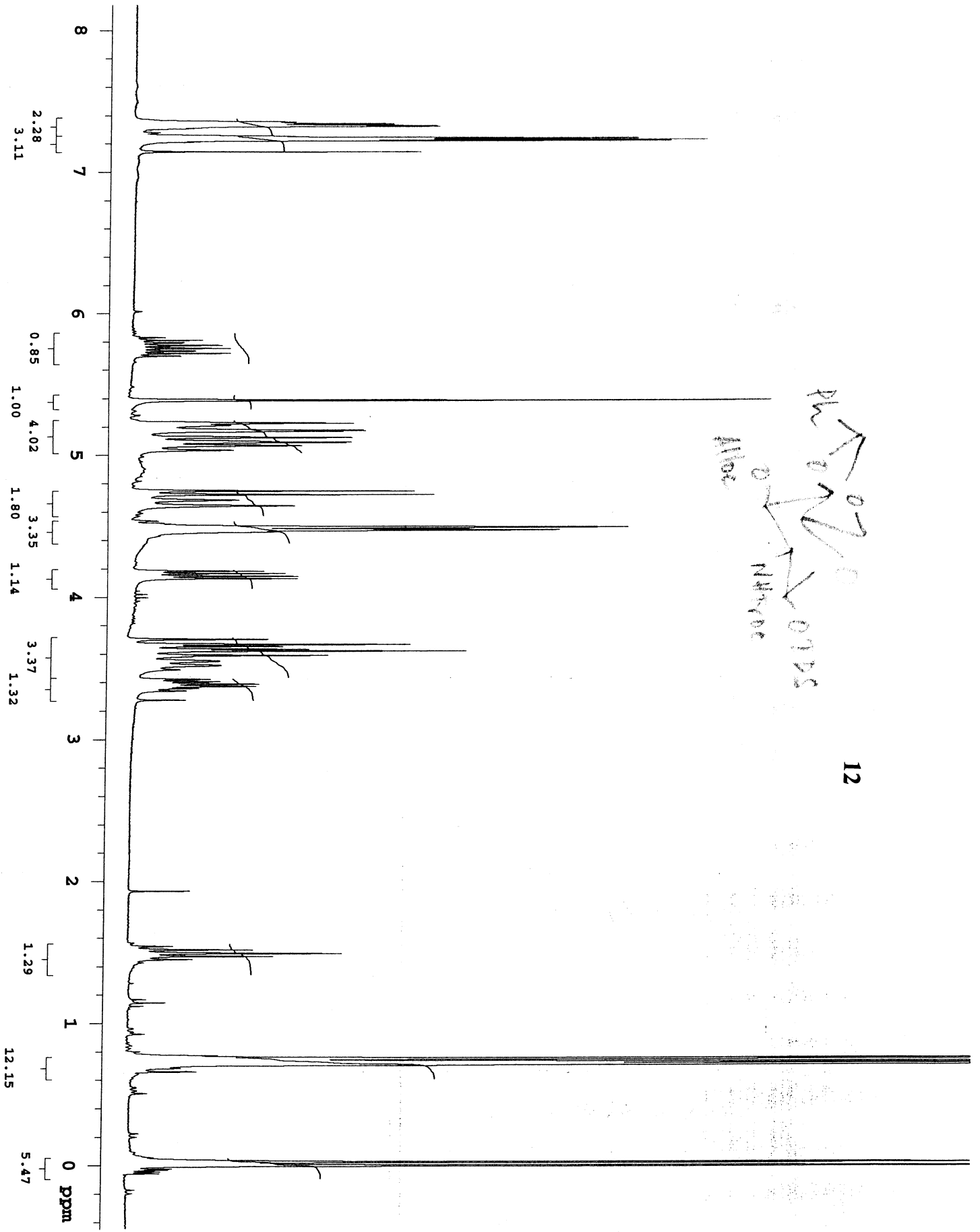


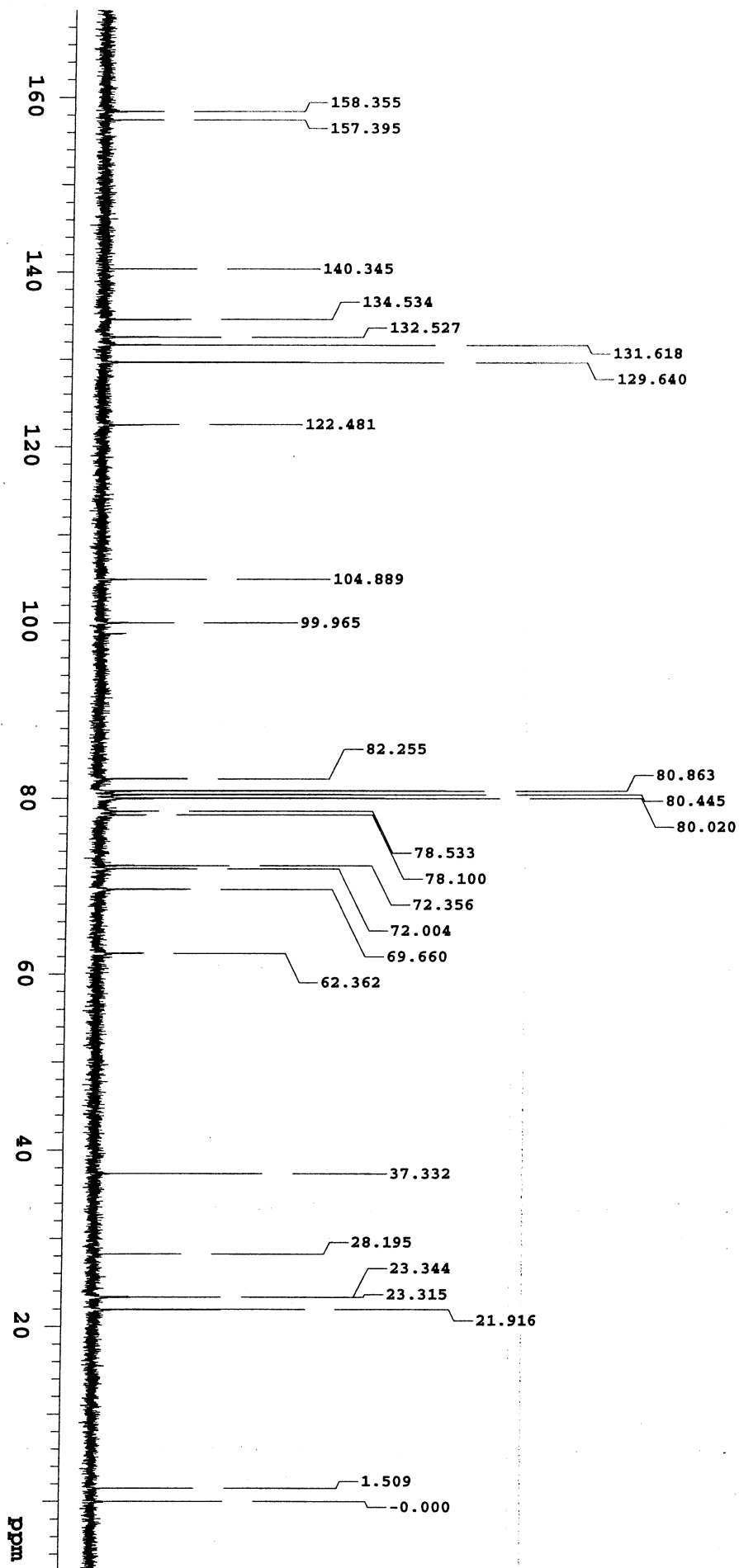
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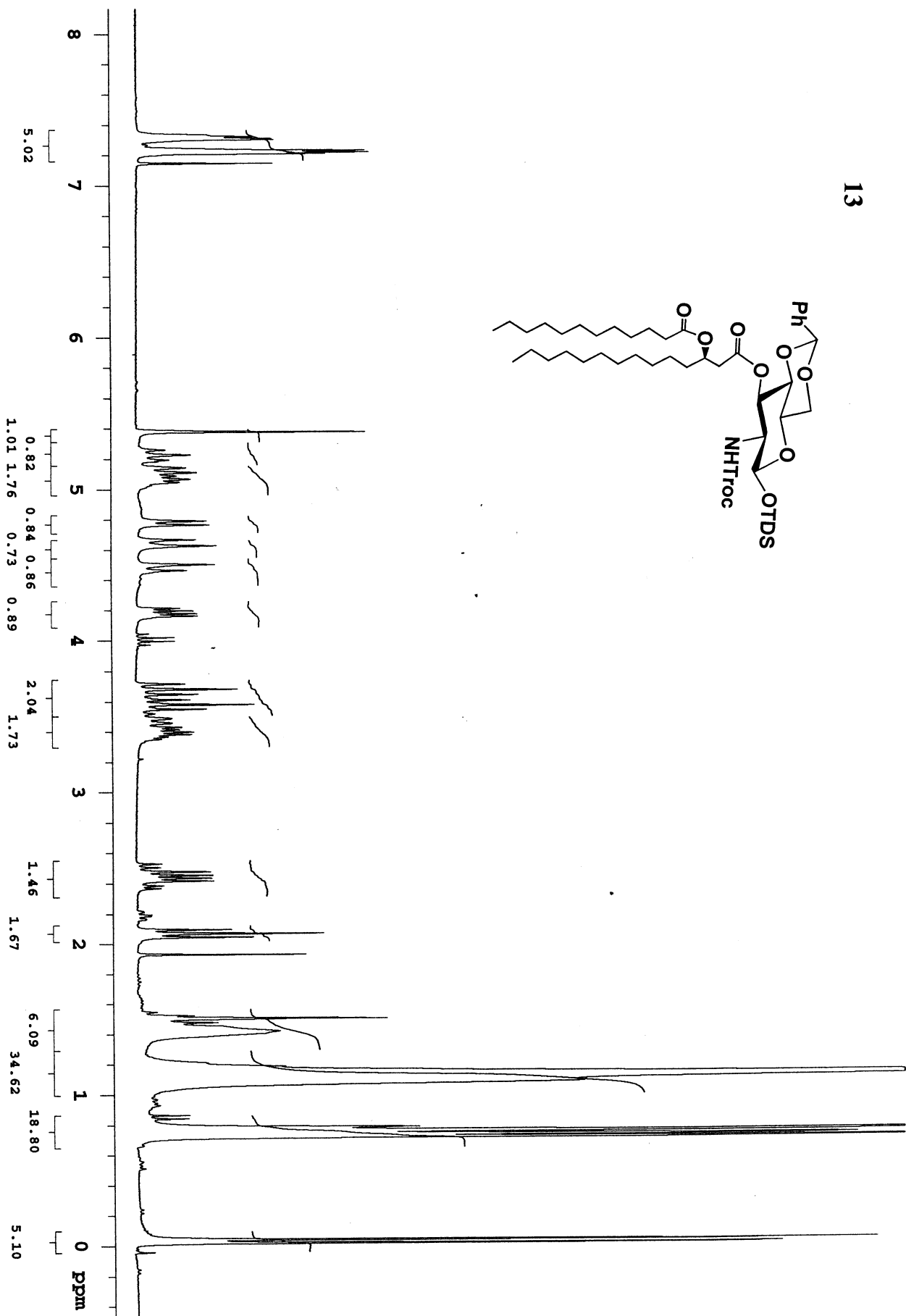
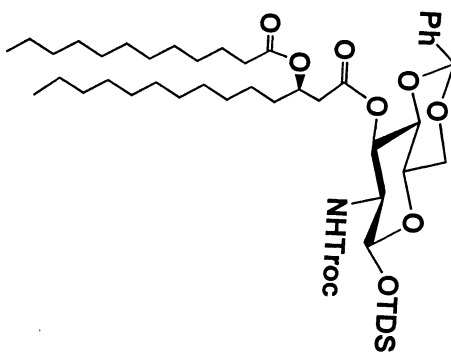




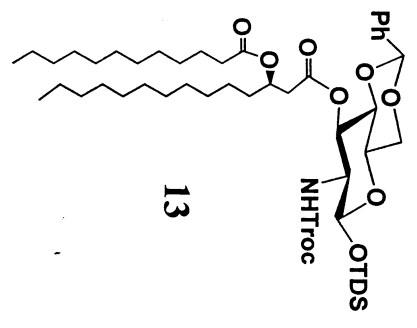
12







220
200
180
160
140
120
100
80
60
40
20
0 ppm



Std proton

14

File: MK106_Proton_20080710_01

Pulse Sequence: s2pul

Solvent: cdcl3

Temp. 25.0 C / 298.1 K

Operator: kmalti

File: MK106_Proton_20080710_01

INOVA-500 "nmr1"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.049 sec

Width 7996.0 Hz

32 repetitions

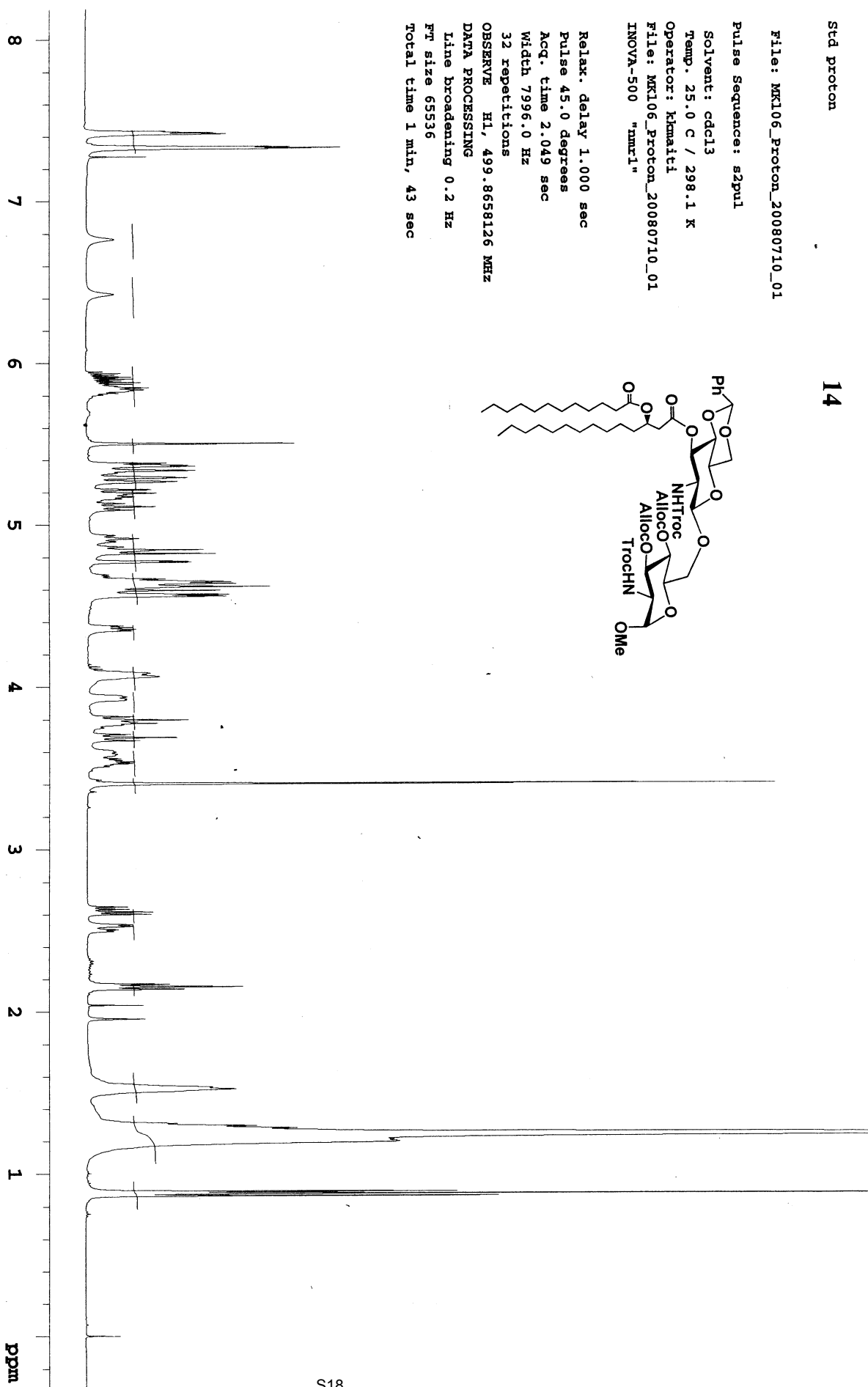
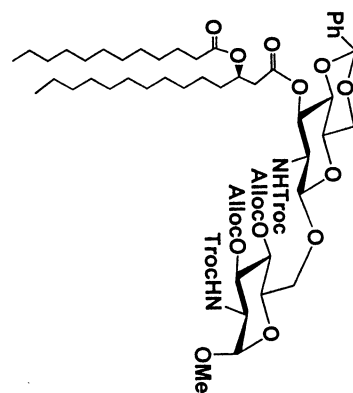
OBSERVE H1, 499.8658126 MHz

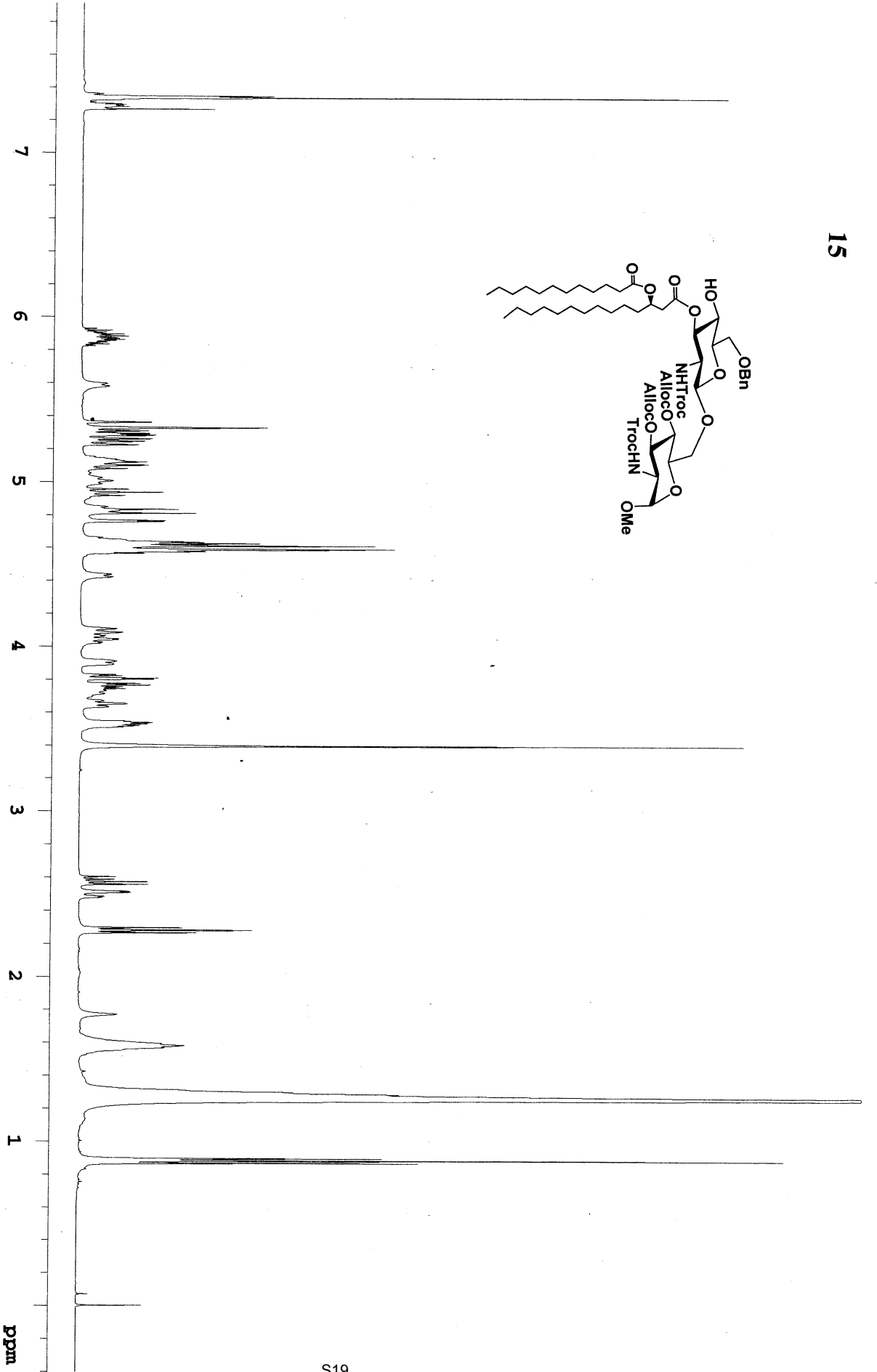
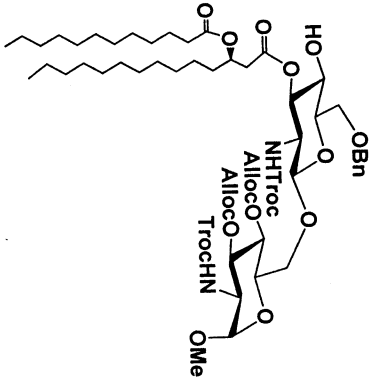
DATA PROCESSING

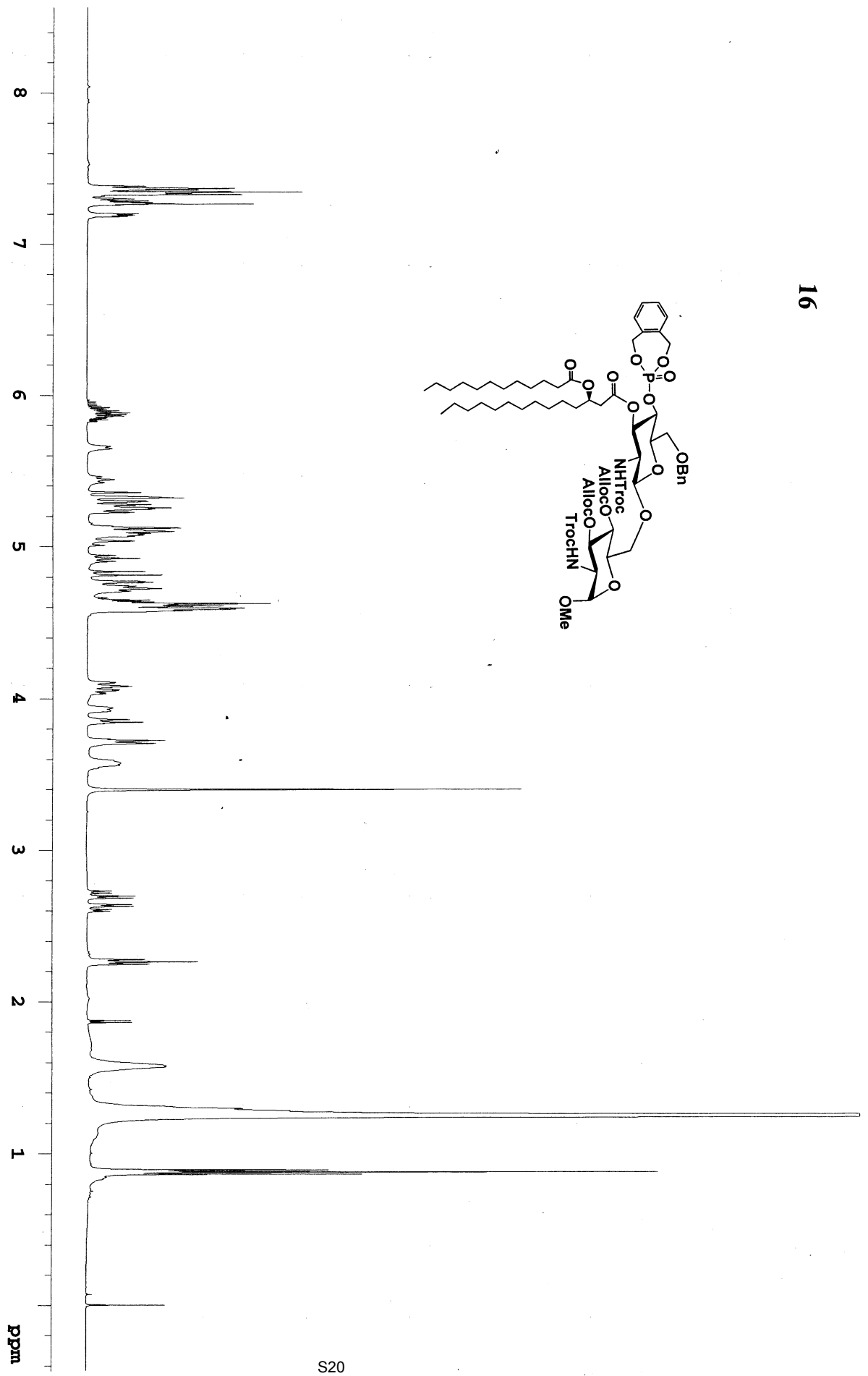
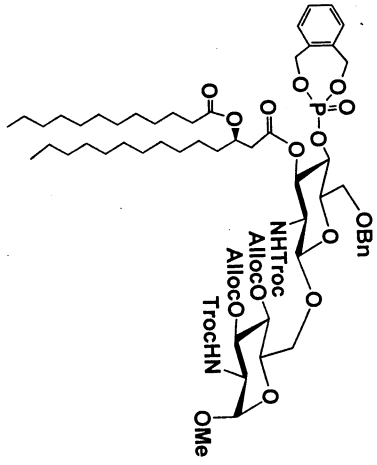
Line broadening 0.2 Hz

FT size 65536

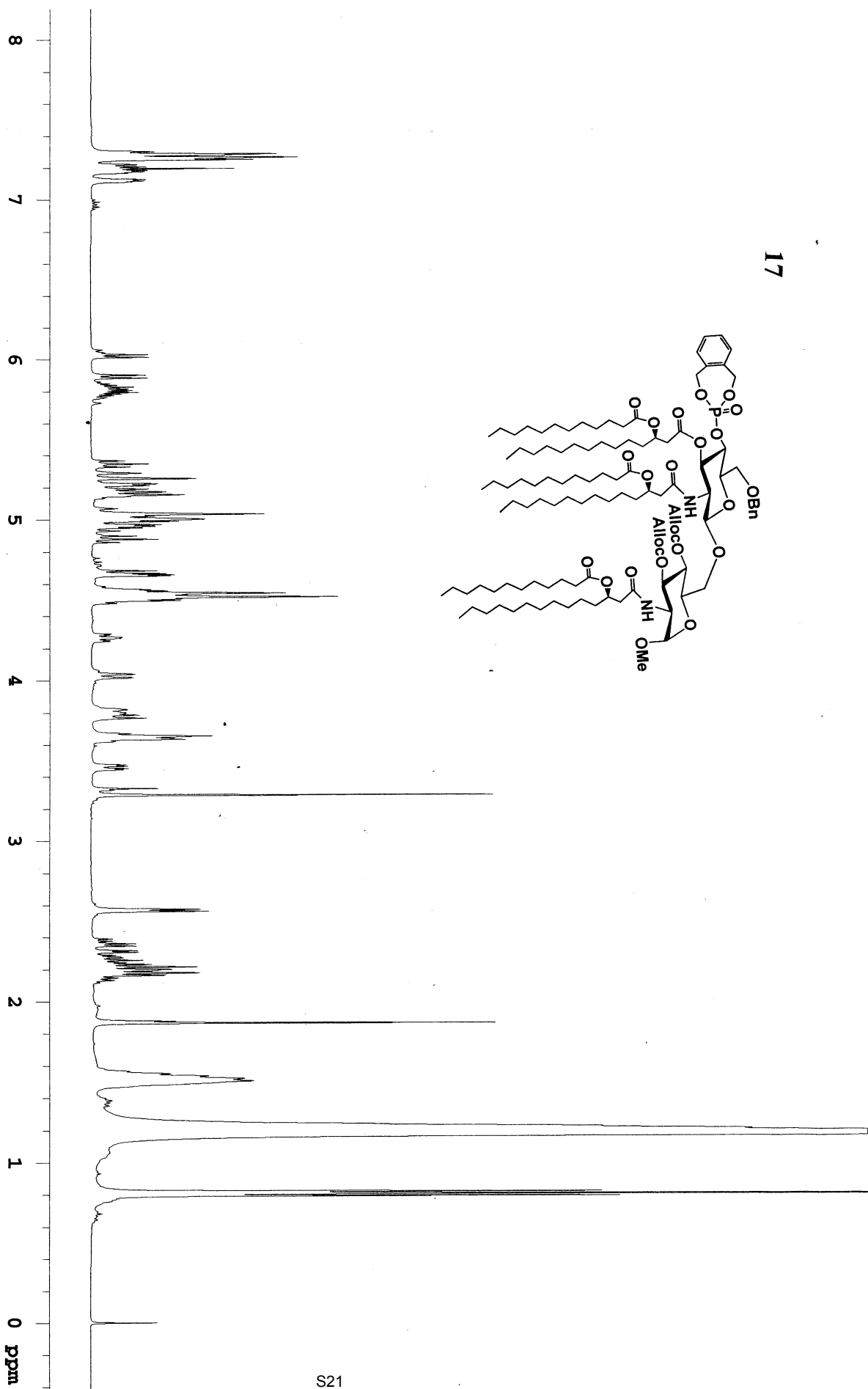
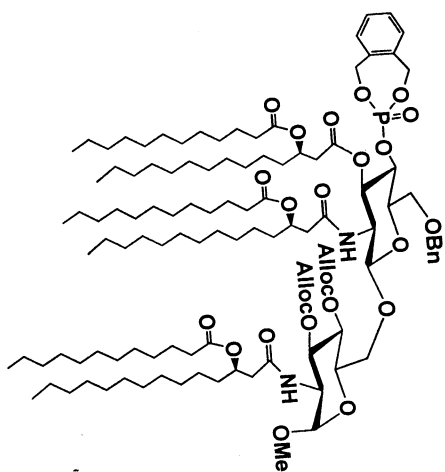
Total time 1 min, 43 sec



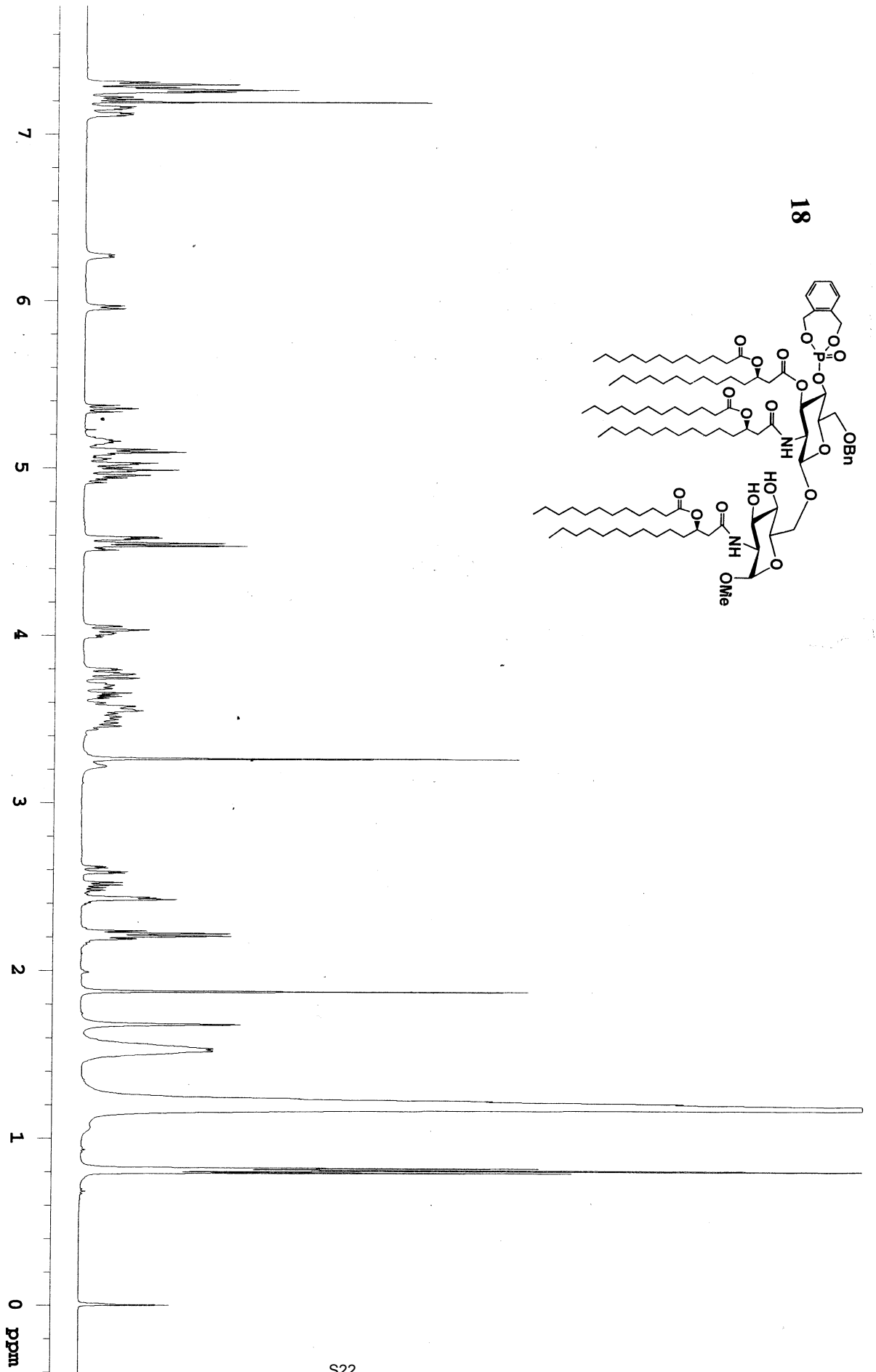
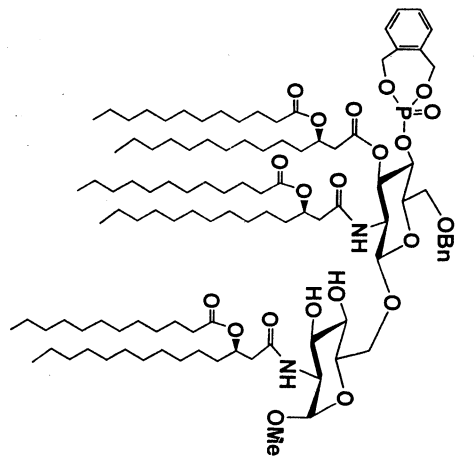


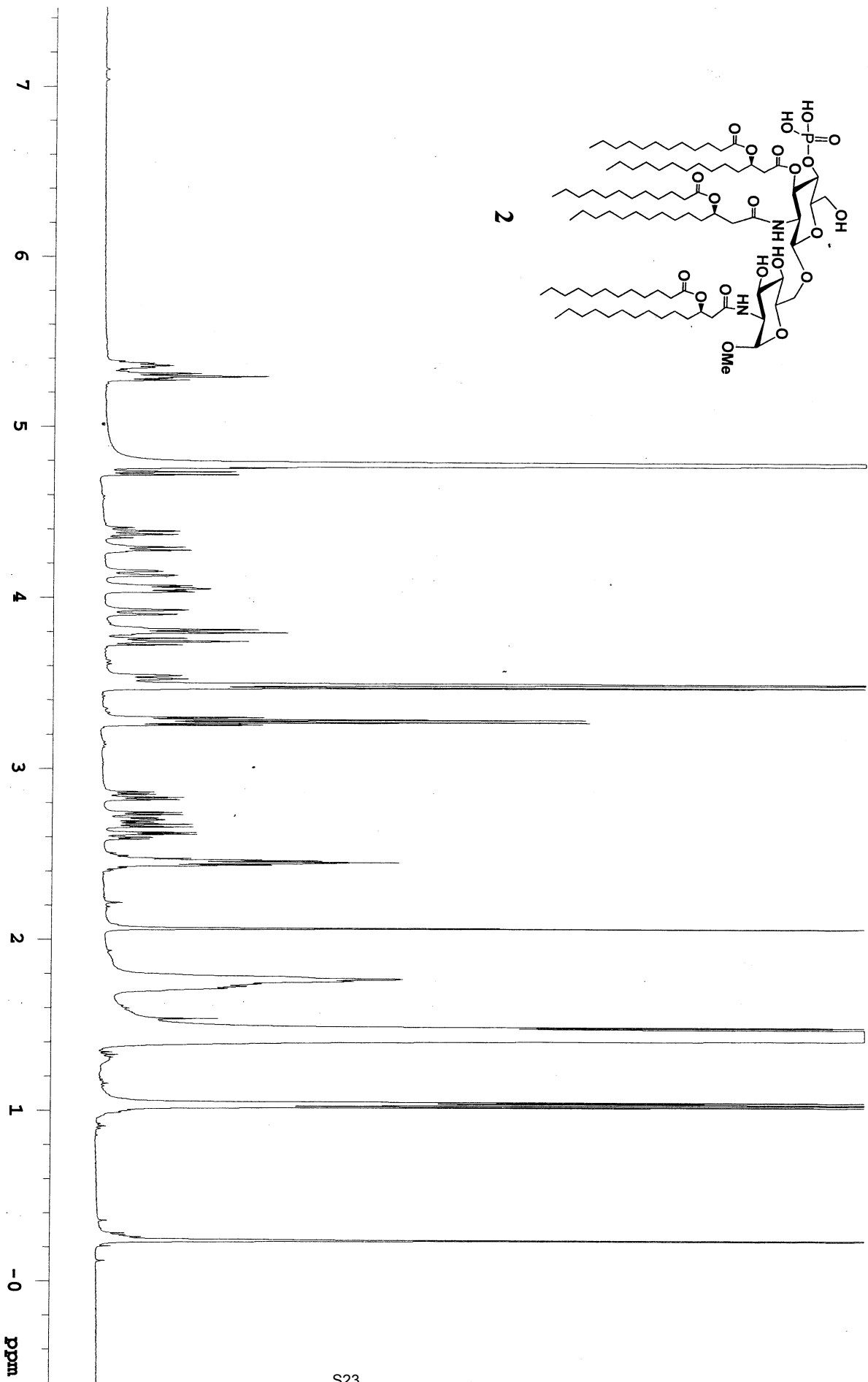
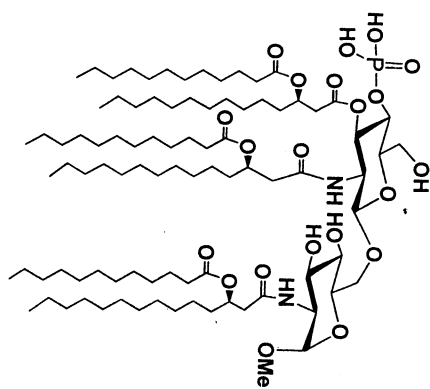


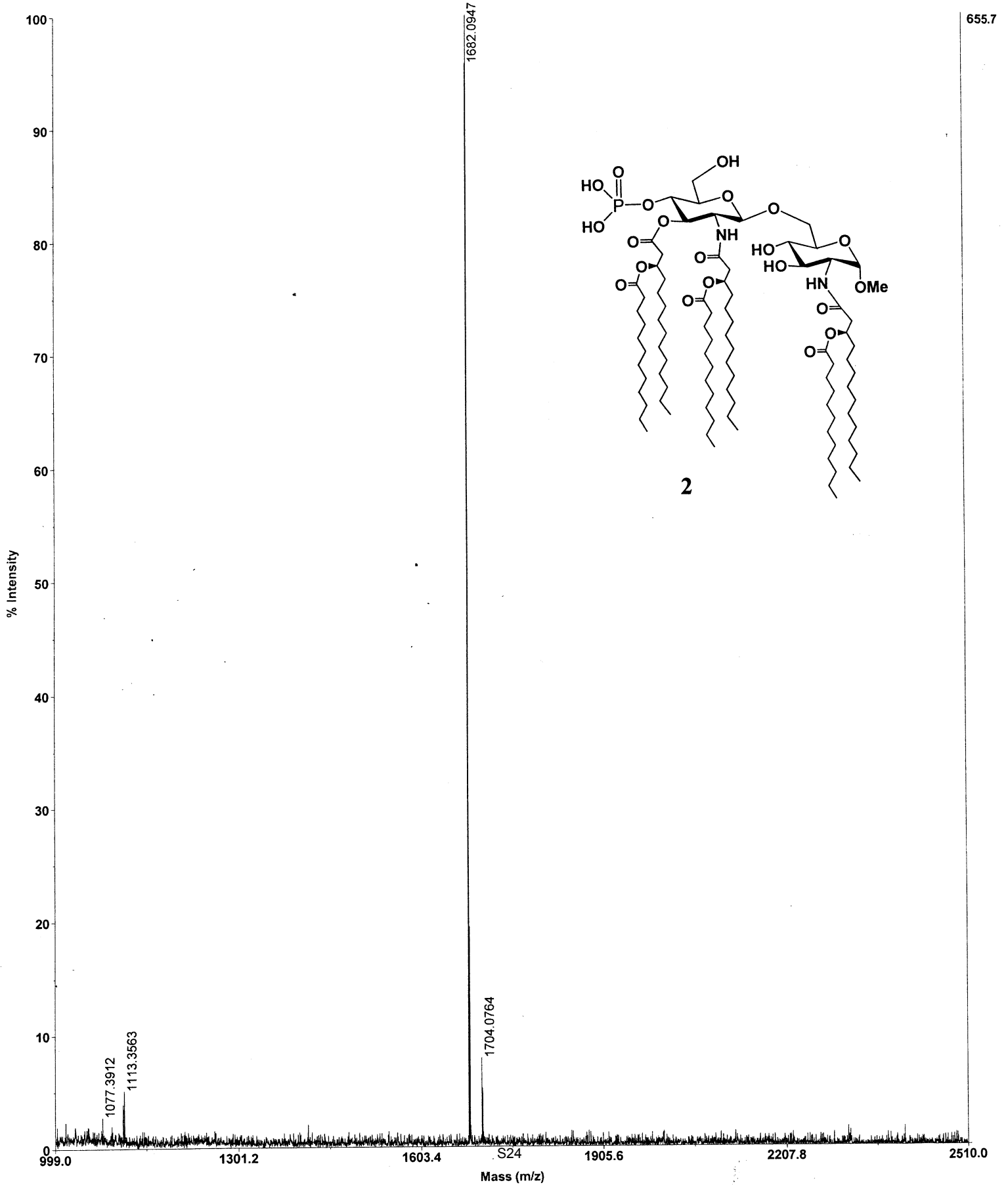
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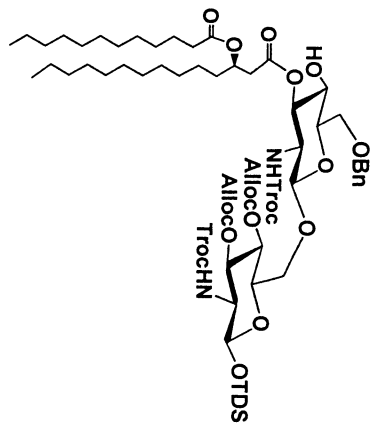


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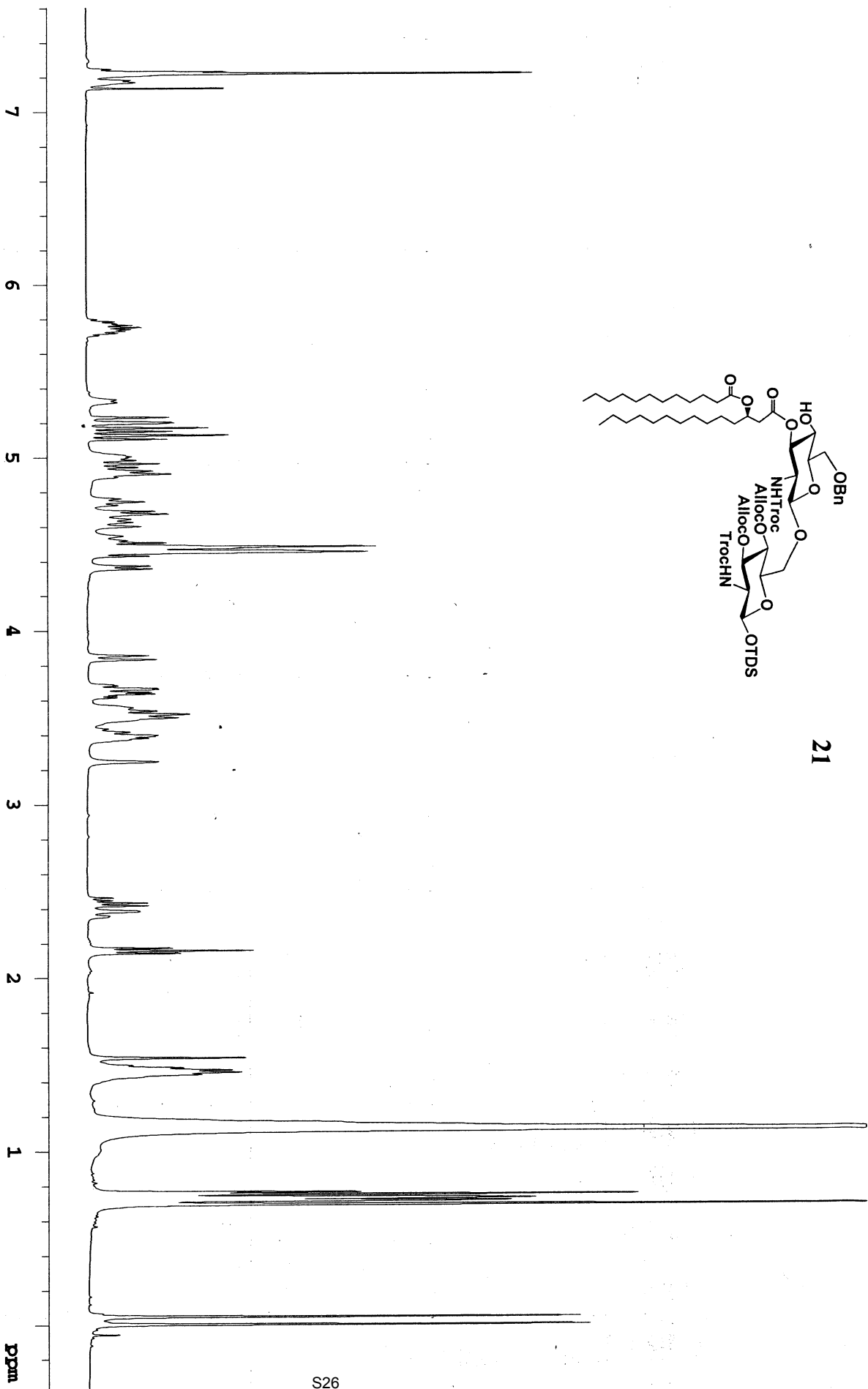




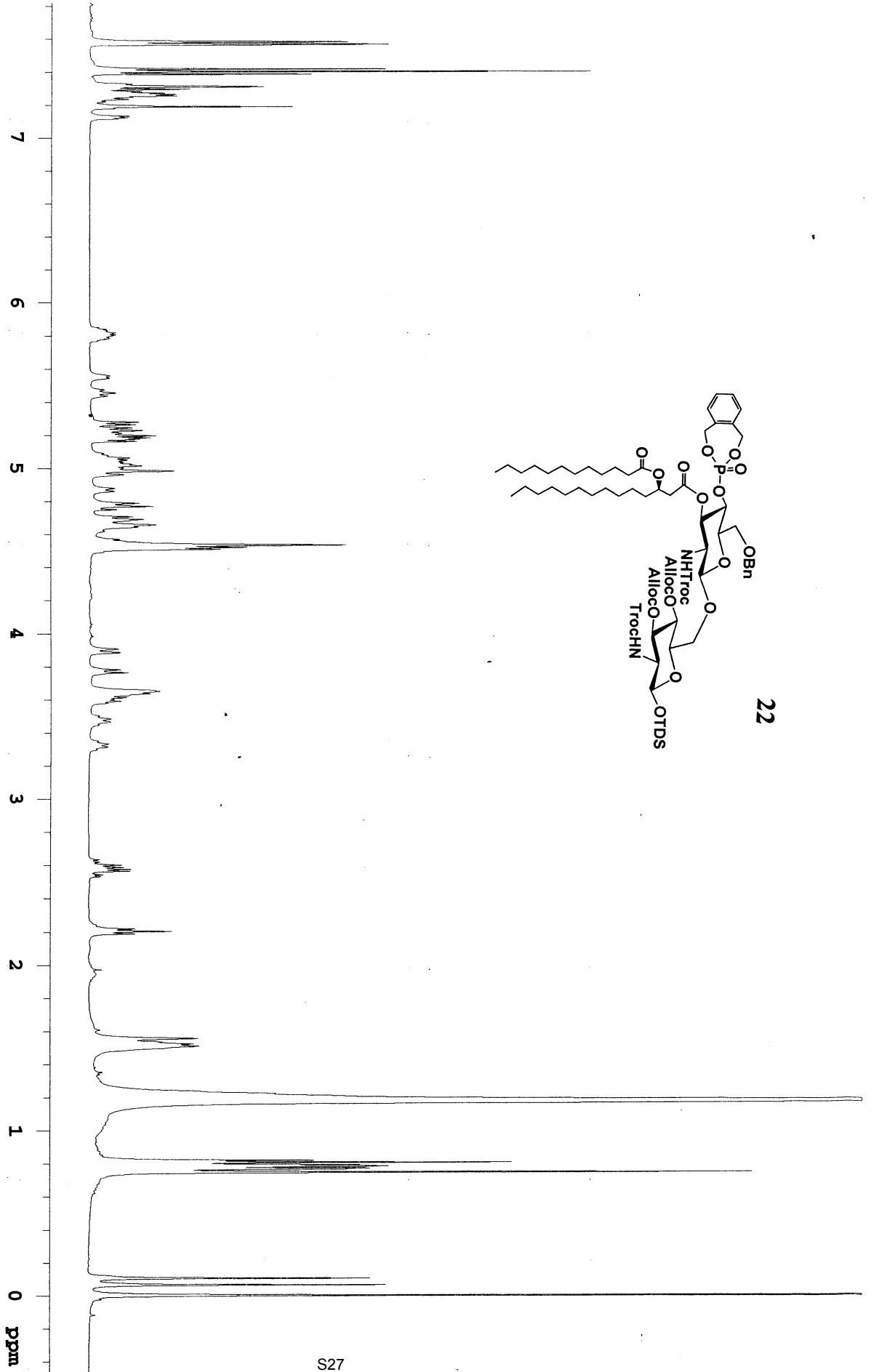
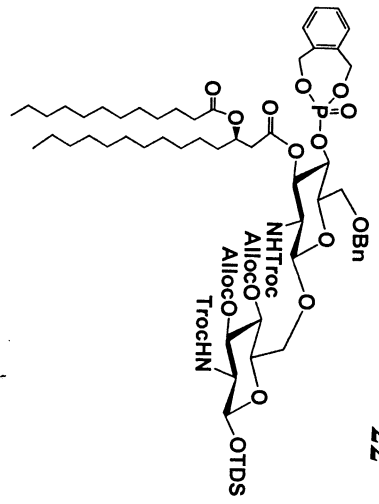




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