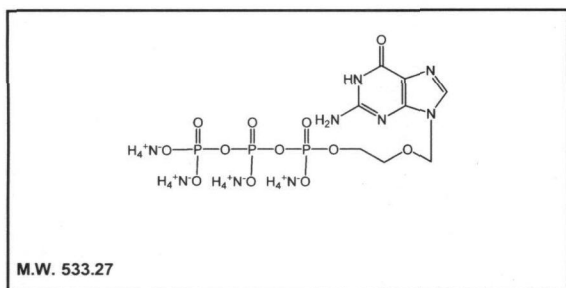




## Product Data Sheet

**M-1583**

### Acyclovir triphosphate, tetraammonium salt

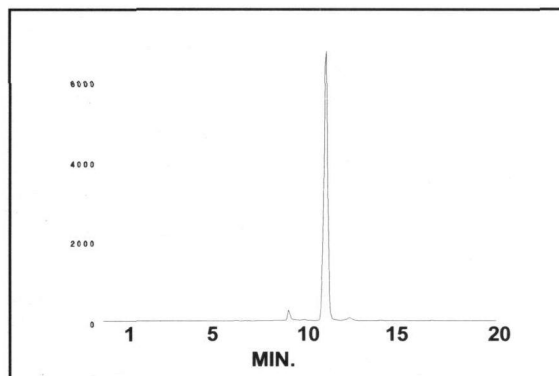


**Lot #:** 165-077-000-A-20080616-TN

**Packaged as:** Solid

**Date of Analysis:** May 20, 2009

**Chemical Purity @ 252nm:** 96.4%



HPLC ANALYSIS LOT 165-077-000-A-20080616-TN  
File Name: inj738 Date and Time: 5/20/2009 4:08:08 PM  
Unit 19 UV

Peak #	Area %	Time	Area
1	2.50	9.47000	238.53635
2	0.15	10.27330	14.61725
3	96.43	11.41330	9185.37569
4	0.92	12.58330	87.36269
Totals	100.00		9525.89198

**Stability and Storage Recommendation:** Store at -20°C.

**Product Warranty:** Stated on the reverse side of this Product Data Sheet.

**Caution:** Not For Use In Humans Or Clinical Diagnosis. This product is intended for investigational or manufacturing use only. It is pharmaceutically unrefined and is not intended for use in humans. Responsibility for its use in humans, as a diagnostic reagent, and compliance with federal laws rests solely with the purchaser.

**M-1583**

**Acyclovir triphosphate, tetraammonium salt**

**Lot 165-077-000-A-20080616-TN**

**A) All chromatograms were run using the HPLC method described on the Product Data Sheet.**

**Concentrations and volumes:**

**Acyclovir triphosphate, tetraammonium salt** solution concentration was 1.0 mg/mL.

Volume of **Acyclovir triphosphate, tetraammonium salt** injection was 10.0  $\mu$ L.

Volume of blank injection was 10.0  $\mu$ L.

**B) Mass spectrometry - Negative mode**

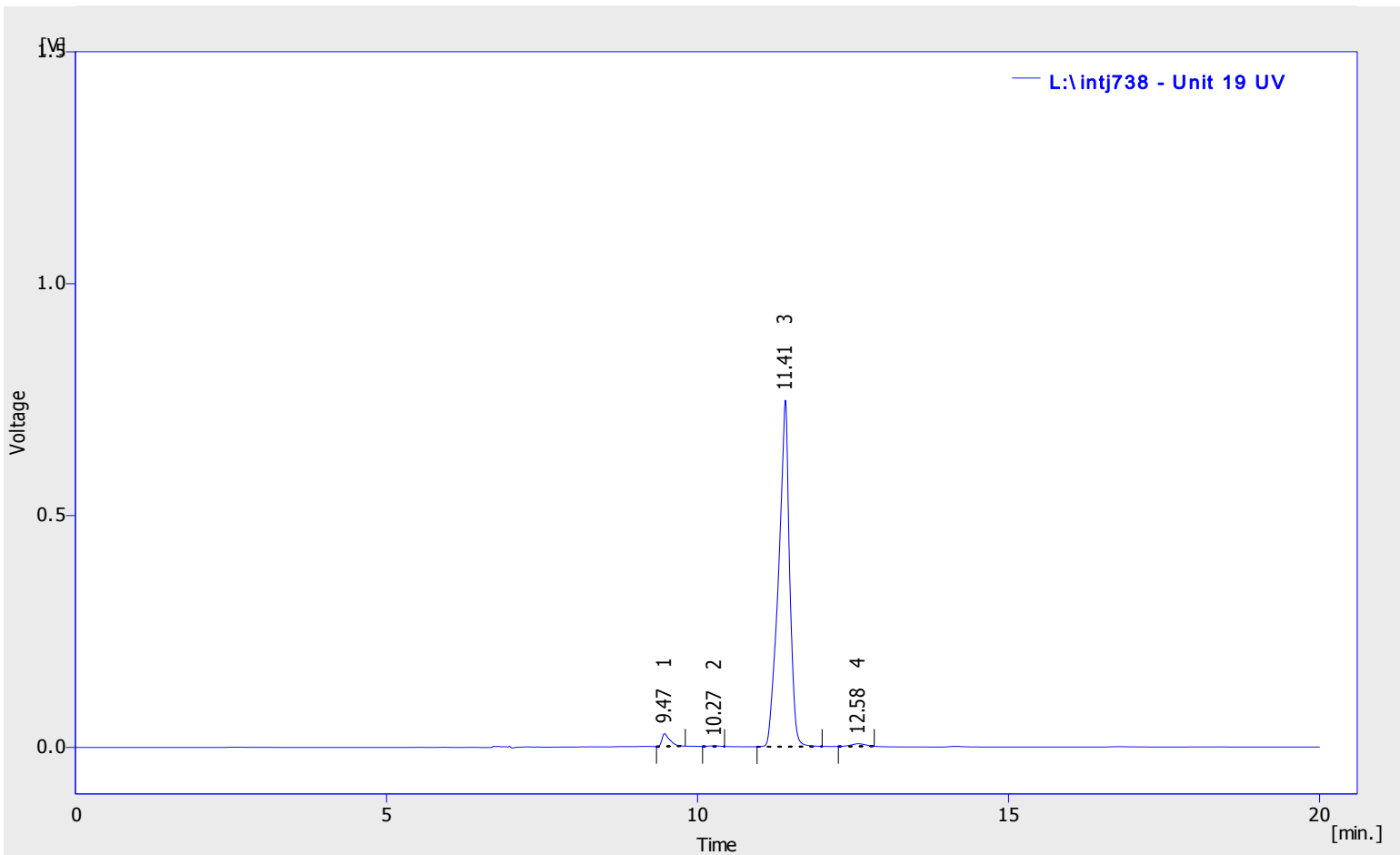
**C) NMR**

**M-1583**  
**Acyclovir triphosphate, tetraammonium salt**  
**Lot 165-077-000-A-20080616-TN**

Chromatogram Info:

File Name	: L:\intj738.PRM	File Created	: 5/20/2009 4:08:40 PM
Origin	: Acquired	Acquired Date	: 5/20/2009 4:08:08 PM
Project	: c:\Clarity\Projects\Test.PRJ	By	: Administrator
Method	: Unit19_20_min_run	By	: Administrator
Description	: UV trace of Acyclovir triphosphate, tetraammonium salt		
Created	: 8/9/2007 1:12 PM	Modified	: 5/21/2009 12:43 PM
Column	:	Detection	: UV 252nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		

Autostop	: 20.00 min	External Start	: Start - Restart, Down
Detector 2	: Unit 19 UV	Range 2	: Bipolar, 1250 mV, 10 Samp. per Sec.
Subtraction Chromatogram	: (None)	Matching	: No Change



Result Table (Uncal - L:\intj738 - Unit 19 UV)

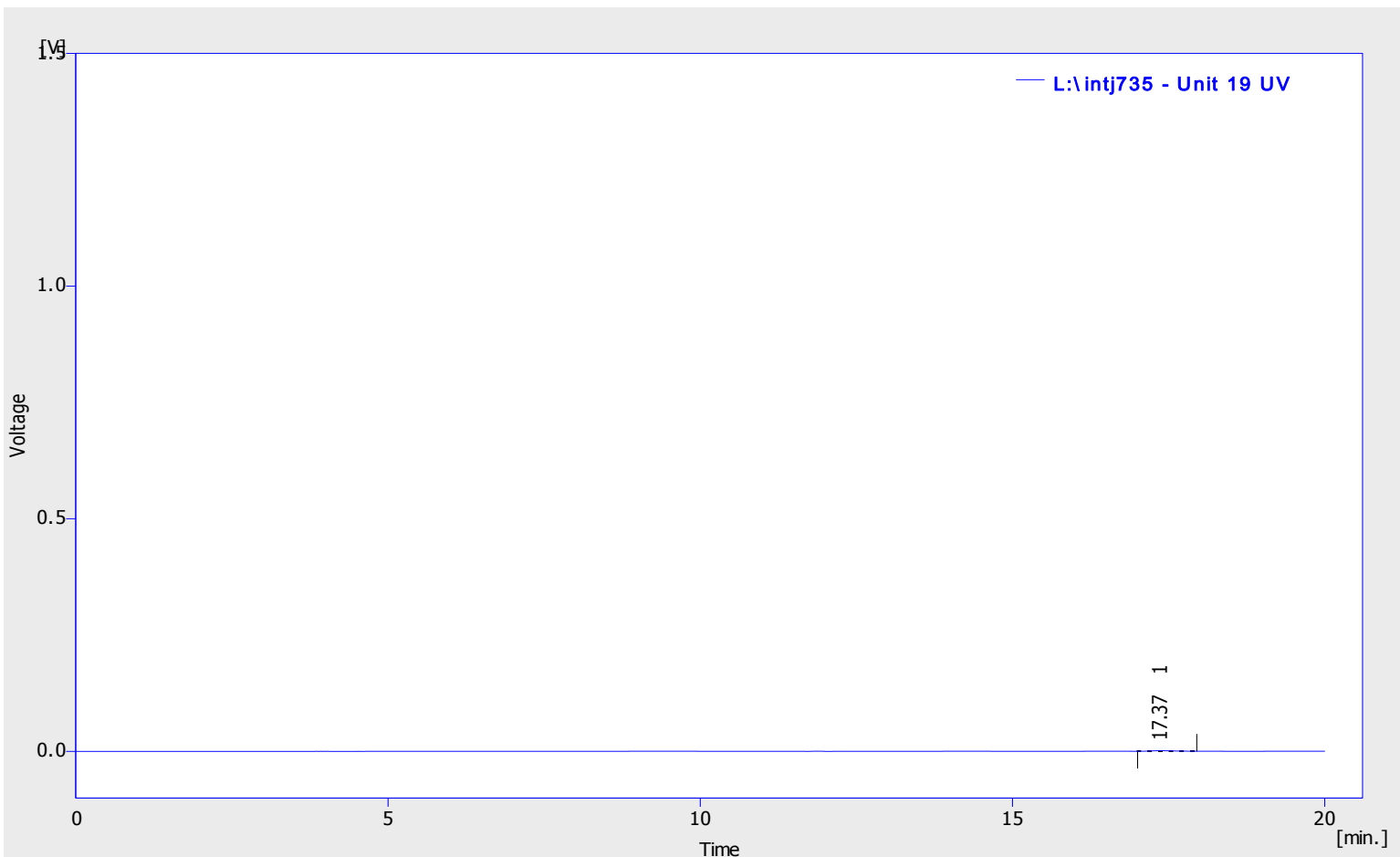
	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	9.470	238.536	27.409	2.50	3.5	0.14
2	10.273	14.617	1.354	0.15	0.2	0.18
3	11.413	9185.376	747.026	96.43	95.6	0.18
4	12.583	87.363	5.614	0.92	0.7	0.25
	Total	9525.892	781.403	100.00	100.0	

**M-1583**  
**Acyclovir triphosphate, tetraammonium salt**  
**Lot 165-077-000-A-20080616-TN**

Chromatogram Info:

File Name	: L:\intj735.PRM	File Created	: 5/20/2009 1:41:03 PM
Origin	: Acquired	Acquired Date	: 5/20/2009 1:39:09 PM
Project	: c:\Clarity\Projects\Test.PRJ	By	: Administrator
Method	: Unit19_20_min_run	By	: Administrator
Description	: UV trace of blank injection	Modified	: 5/21/2009 12:53 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 252nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		

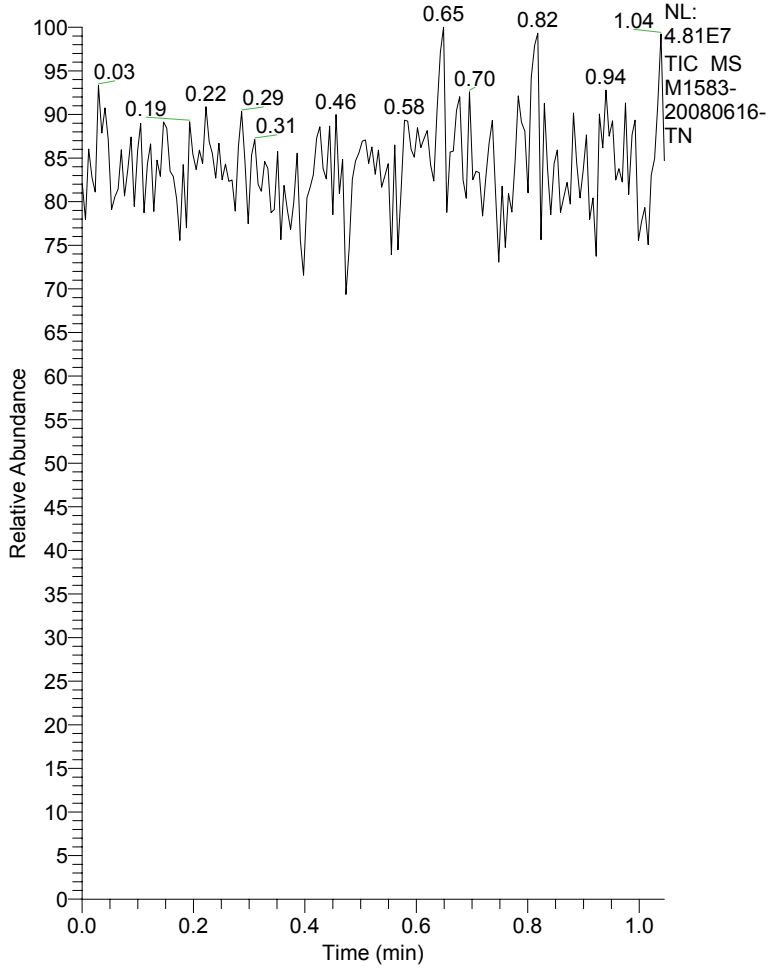
Autostop	: 20.00 min	External Start	: Start - Restart, Down
Detector 2	: Unit 19 UV	Range 2	: Bipolar, 1250 mV, 10 Samp. per Sec.
Subtraction Chromatogram	: (None)	Matching	: No Change



Result Table (Uncal - L:\intj735 - Unit 19 UV)

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	17.370	28.168	1.156	100.00	100.0	0.39
	Total	28.168	1.156	100.00	100.0	

RT: 0.00 - 1.04



M1583-20080616-TN#1-180 RT: 0.00-1.04 AV:

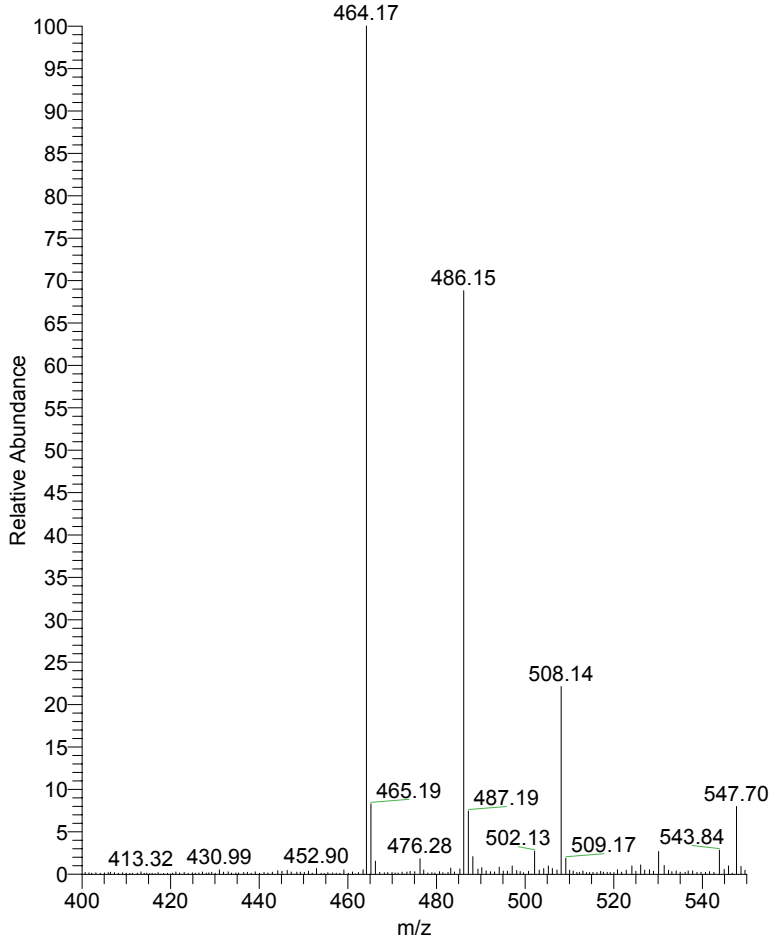
T: - c NSI Full ms [400.00-550.00]

m/z = 463.88-466.44

m/z	Intensity	Relative
464.17	14710055.2	100.00
465.19	1220609.3	8.30
466.22	225932.5	1.54

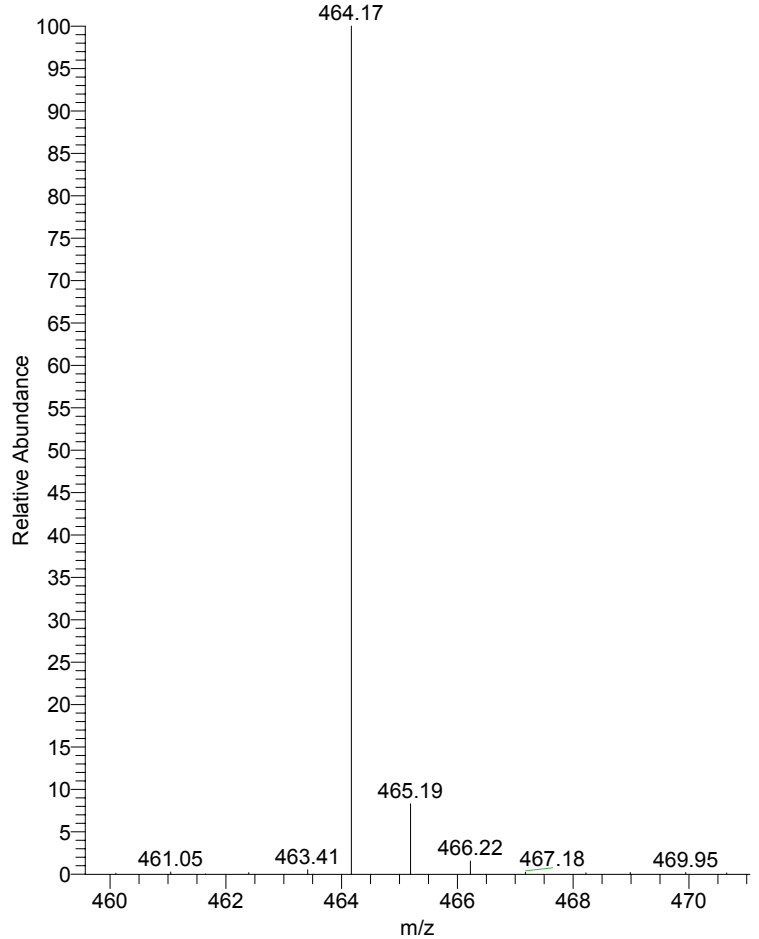
M1583-20080616-TN #1-180 RT: 0.00-1.04 AV: 180 NL: 1.47E7

T: - c NSI Full ms [400.00-550.00]

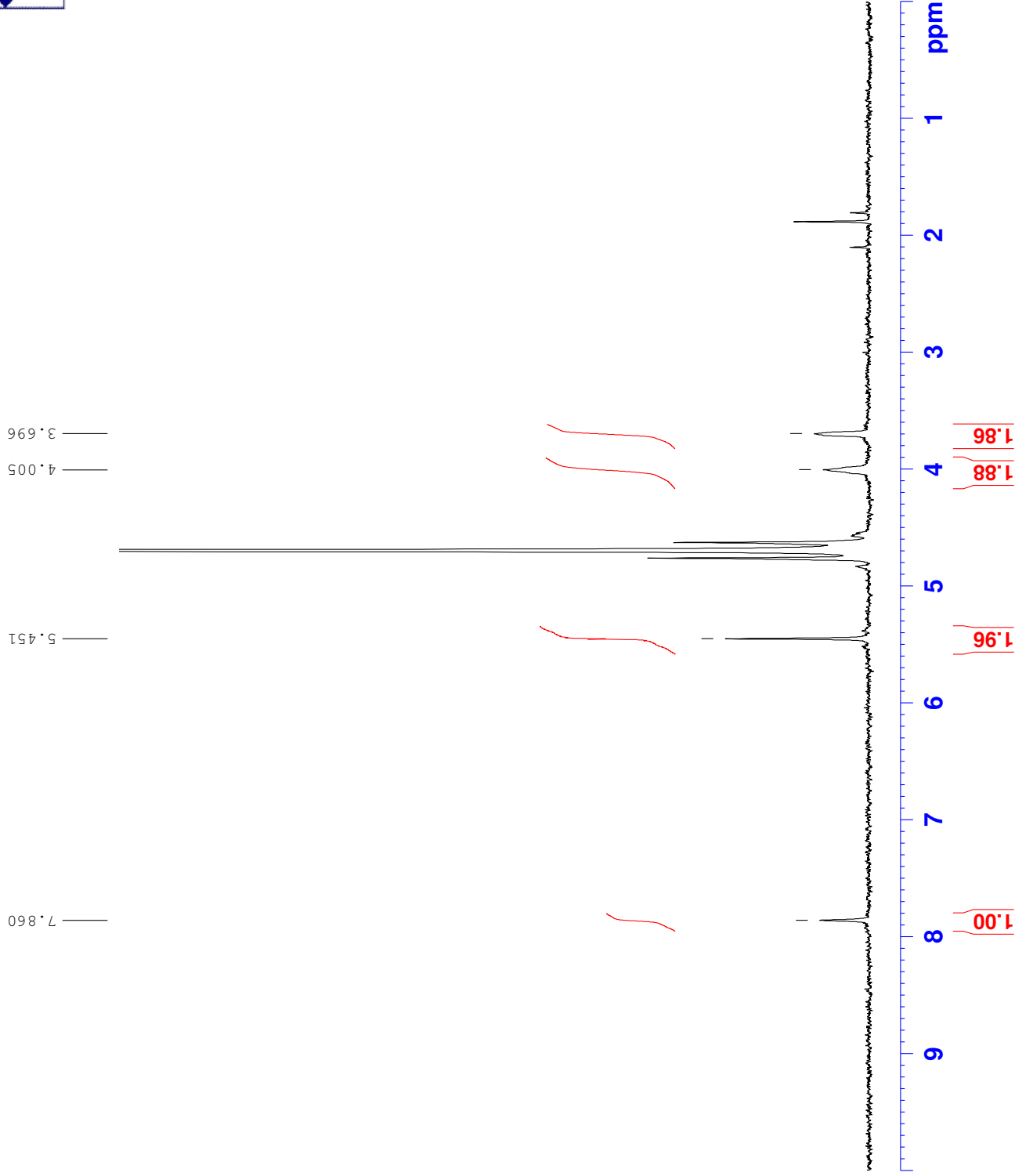


M1583-20080616-TN #1-180 RT: 0.00-1.04 AV: 180 NL: 1.47E7

T: - c NSI Full ms [400.00-550.00]



M1583 1H NMR in D2O  
Batch 20080616-TN



Current Data Parameters  
NAME M1583-20080616-TN  
EXPNO 1  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20090514  
Time 14.21  
INSTRUM spect  
PROBHD 5 mm DUX 3H-1H  
PULPROG zg30  
TD 65536  
SOLVENT D2O  
NS 500  
DS 2  
SWH 6172.839 Hz  
FIDRES 0.094190 Hz  
AQ 5.3084660 sec  
RG 362  
DW 81.000 usec  
DE 6.00 usec  
TE 300.0 K  
D1 1.00000000 sec  
TD0 1

==== CHANNEL f1 =====  
NUC1 1H  
P1 10.25 usec  
PL1 0.00 dB  
SF01 300.1318534 MHz

F2 - Processing parameters  
SI 32768  
SF 300.1300000 MHz  
WDW EM  
SSB 0  
LB 0.90 Hz  
GB 0  
PC 1.00