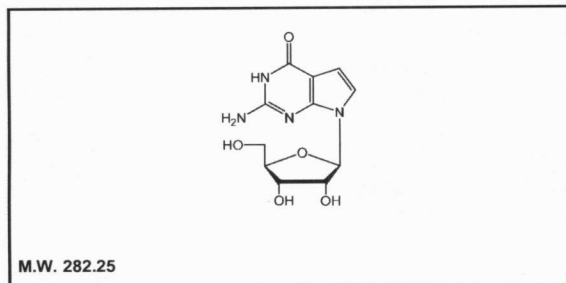




Product Data Sheet

M-1809

7-Deazaguanosine

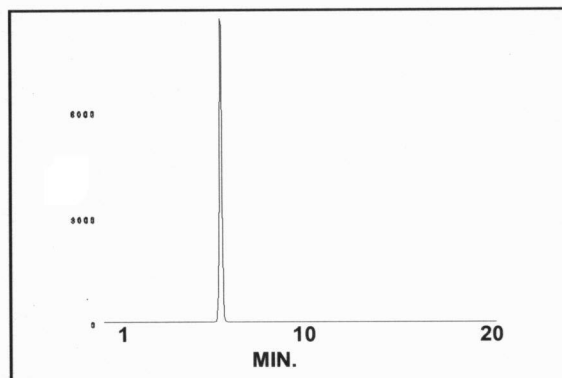


Lot #: 167-133-000-A-20060921-Q

Packaged as: Solid

Date of Analysis: July 21, 2009

Chemical Purity @ 267nm: 99.9%



HPLC ANALYSIS LOT 167-133-000-A-20060921-Q
File Name: intm1409 Date and Time: 7/21/2009 11:38:51 A
Unit 20 UV

Peak #	Area %	Time	Area
1	100.00	5.99670	8004.53202
Totals	100.00		8004.53202

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-1809

7-Deazaguanosine

Lot 167-133-000-A-20060921-Q

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

Concentrations and volumes:

7-Deazaguanosine solution concentration was 1.0 mg/mL.

Volume of **7-Deazaguanosine** injection was 8.0 μ L.

Volume of blank injection was 8.0 μ L.

B) Mass spectrometry – Positive mode

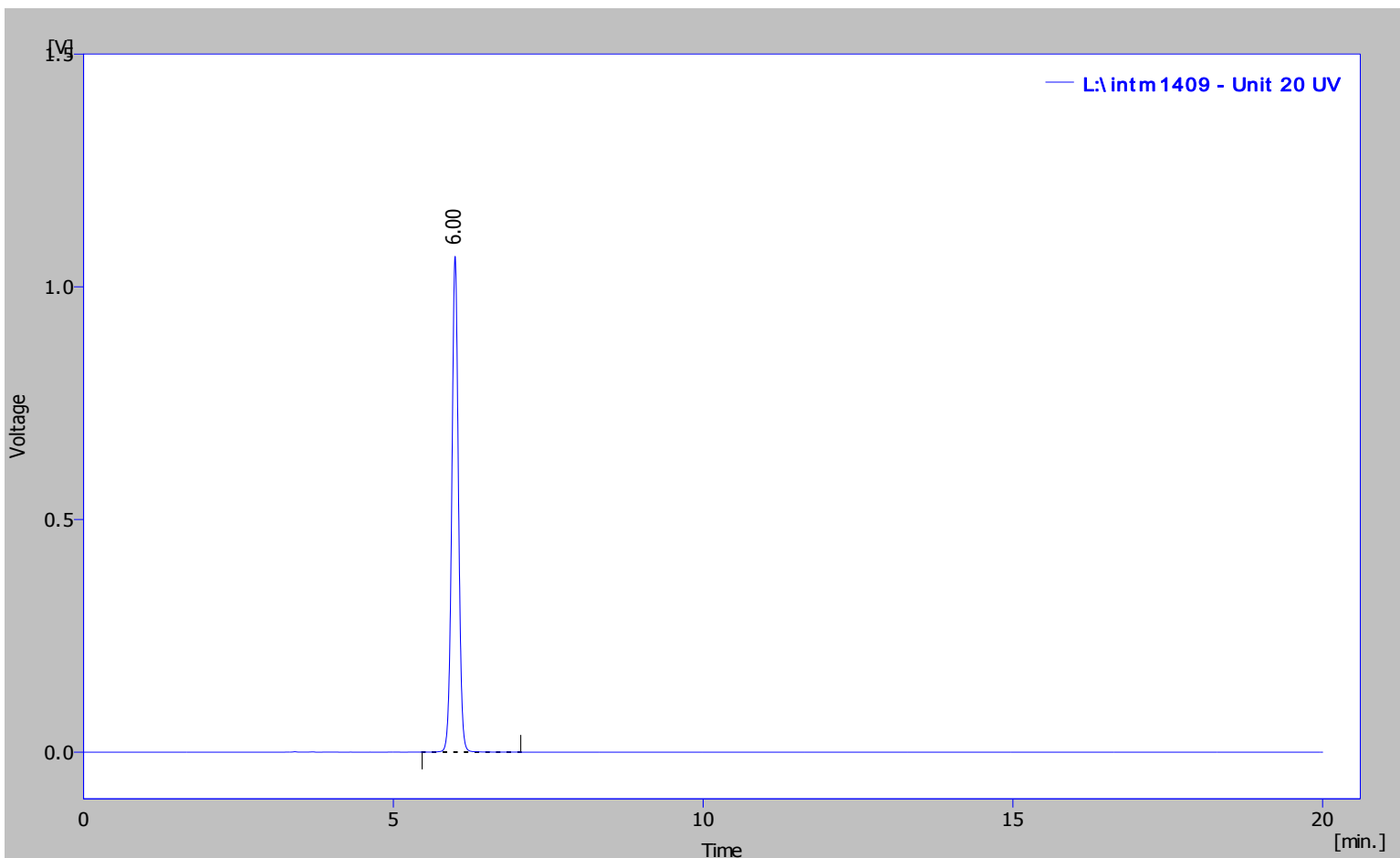
C) NMR

D) UV Spectrum

M-1809
7-Deazaguanosine
Lot 167-133-000-A-20060921-Q

Chromatogram Info:

File Name	: L:\intm1409	File Created	: 12/27/2013 12:11:36 PM
Origin	: Acquired, Acquisition started 7/21/2009 11:18:52 AM	Acquired Date	: 7/21/2009 11:38:51 AM
Project	: Test	By	: Administrator
Method	: Unit_20_20_min_run	By	: Administrator
Description	: UV trace of 7-Deazaguanosine	Modified	: 12/27/2013 12:17 PM
Created	: 4/15/2008 11:38 AM		
Column	:	Detection	: UV 267nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



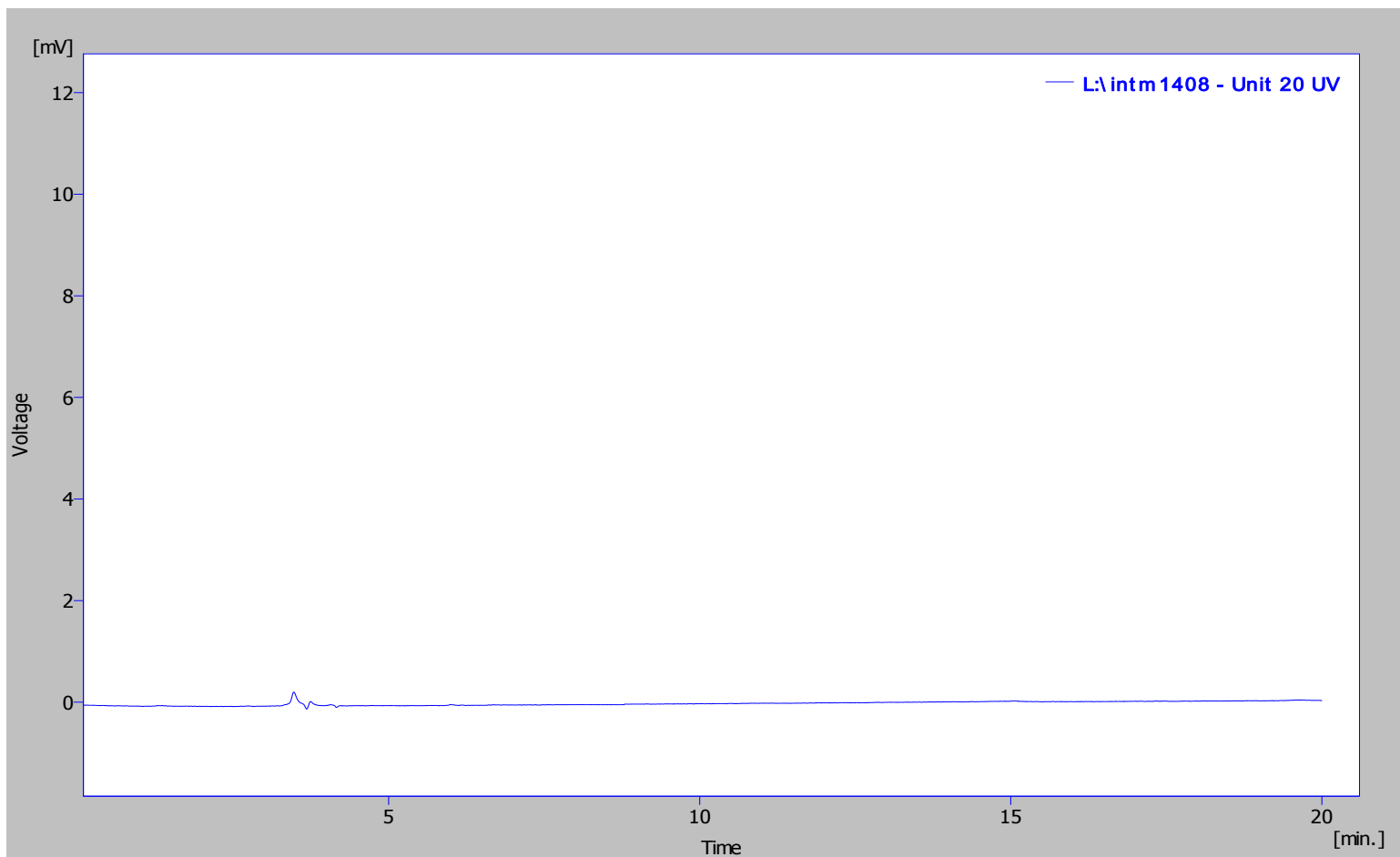
Result Table (Uncal - L:\intm1409 - Unit 20 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		5.997	100.00	8004.532	1065.486	100.000	14636.458
		Total	100.00	8004.532	1065.486	100.000	

M-1809
7-Deazaguanosine
Lot 167-133-000-A-20060921-Q

Chromatogram Info:

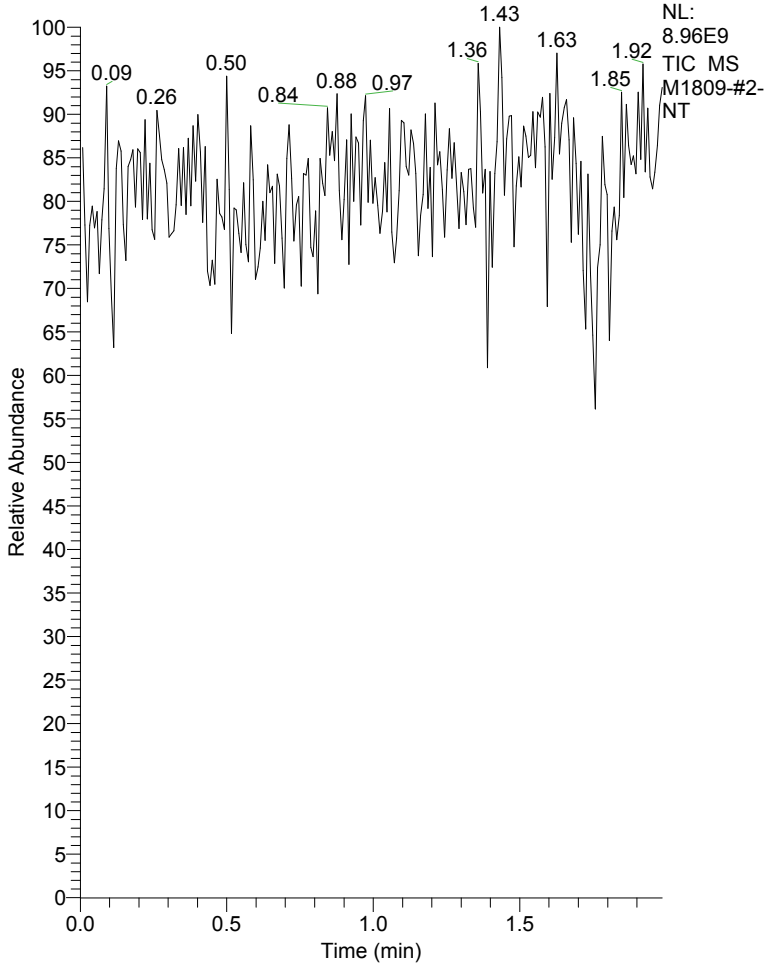
File Name	: L:\intm1408	File Created	: 12/27/2013 12:11:36 PM
Origin	: Acquired, Acquisition started 7/21/2009 10:56:42 AM	Acquired Date	: 7/21/2009 11:16:41 AM
Project	: Test	By	: Administrator
Method	: Unit_20_20_min_run	By	: Administrator
Description	: UV trace of blank injection	Modified	: 12/27/2013 12:18 PM
Created	: 4/15/2008 11:38 AM		
Column	:	Detection	: UV 267nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intm1408 - Unit 20 UV)

Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
No peak to report						

RT: 0.00 - 1.99



M1809-#2-NT#1-243 RT: 0.01-1.99 AV: 243

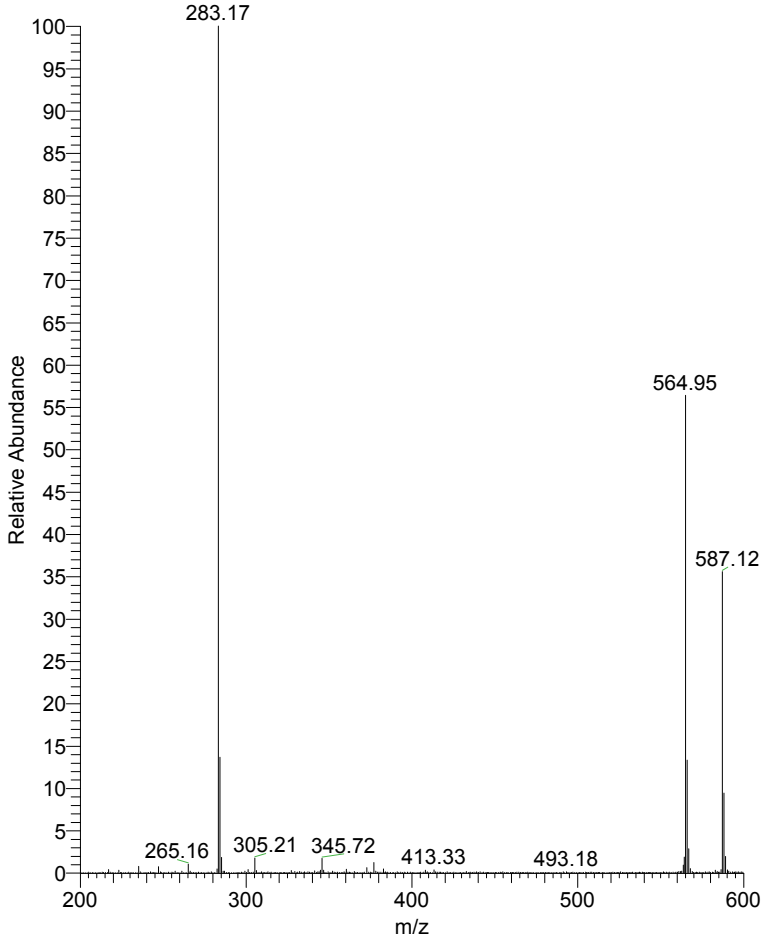
T: + c NSI Full ms [200.00-600.00]

m/z = 280.89-291.65

m/z	Intensity	Relative
281.14	1111692.8	0.04
282.44	12967463.8	0.49
283.17	2647368647.1	100.00
284.18	362140427.1	13.68
285.18	48642684.9	1.84
286.20	5624783.8	0.21
287.02	5701893.3	0.22
288.02	1328879.0	0.05
289.16	1421244.6	0.05
290.10	685856.8	0.03
291.09	888561.8	0.03

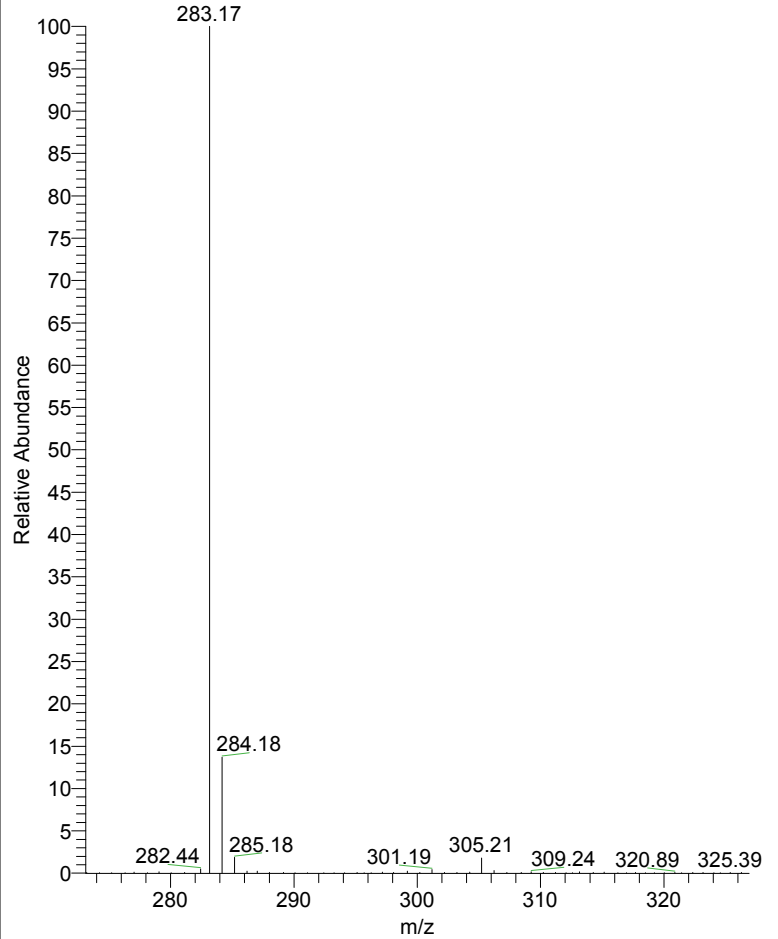
M1809-#2-NT #1-243 RT: 0.01-1.99 AV: 243 NL: 2.65E9

T: + c NSI Full ms [200.00-600.00]



M1809-#2-NT #1-243 RT: 0.01-1.99 AV: 243 NL: 2.65E9

T: + c NSI Full ms [200.00-600.00]



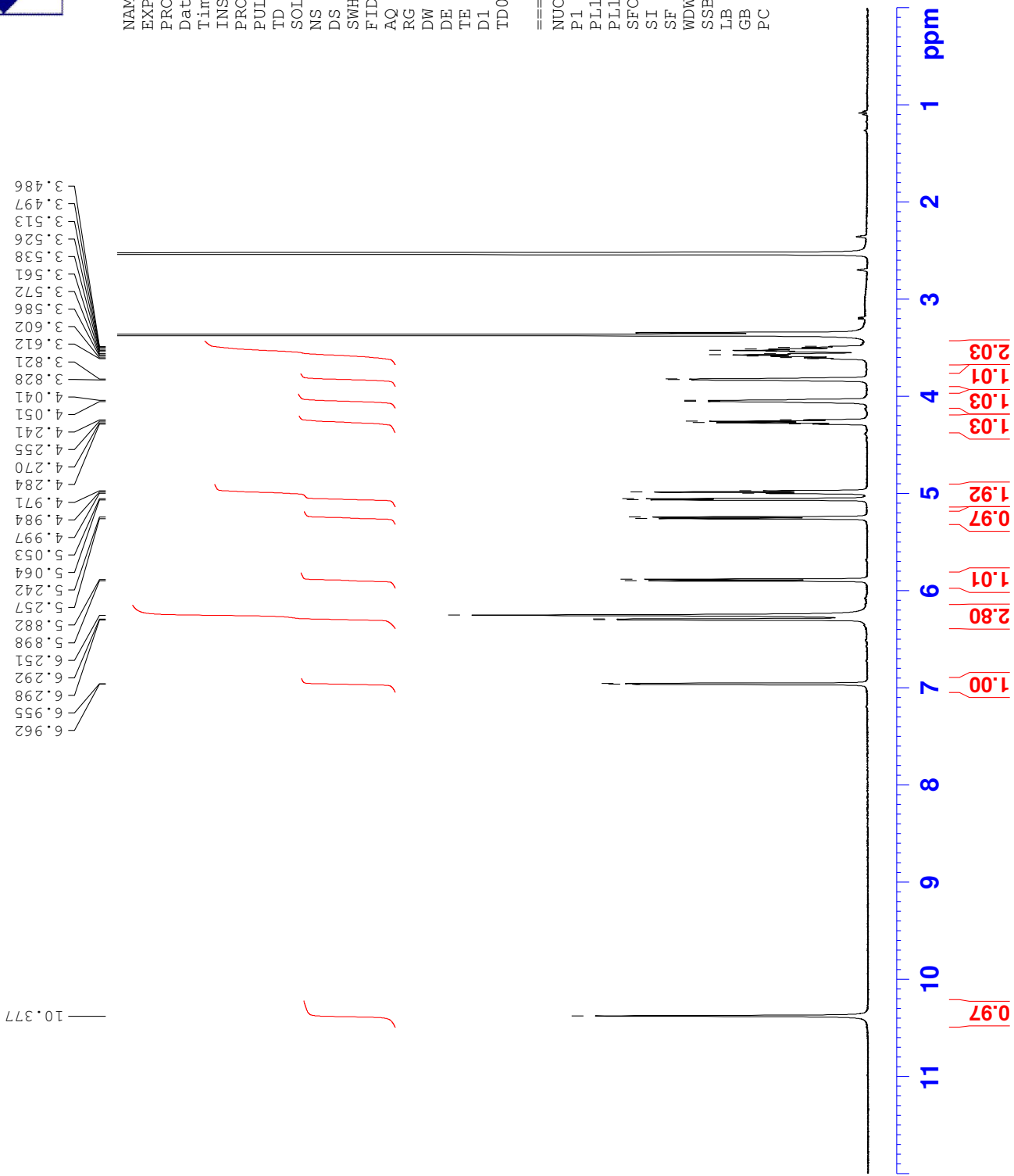
M1809 1H NMR in DMSO
Batch 20060921-Q



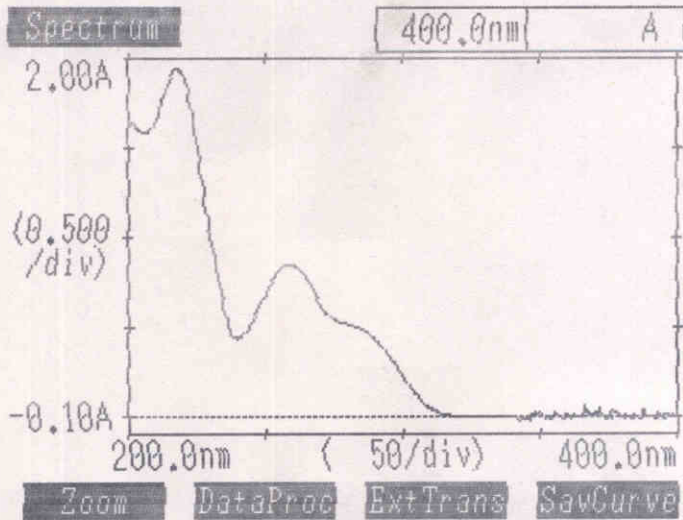
3.486
3.497
3.513
3.526
3.538
3.561
3.572
3.586
3.602
3.612
3.821
3.828
4.041
4.051
4.241
4.255
4.270
4.284
4.971
4.984
4.997
5.053
5.064
5.242
5.257
5.882
5.898
5.951
6.251
6.292
6.298
6.955
6.962

NAME M1809
EXPNO 1
PROCNO 1
Date_ 20090722
Time 12.39
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 512
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 456.1
DW 60.400 usec
DE 6.50 usec
TE 294.8 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PL1 -0.70 dB
PL1W 10.03411102 W
SFO1 400.1324710 MHz
SI 32768
SF 400.1299917 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00



22/Jul/09 15:24:51



22/Jul/09 15:25:28

Peak detection

Abscis.	ABS	Abscis.	ABS
259.5	0.849		
218.5	1.950		

Graph PrintOut Valley