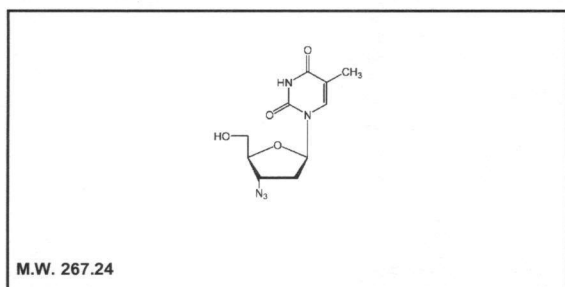




Product Data Sheet

M-817

3'-Azido 3'-deoxythymidine

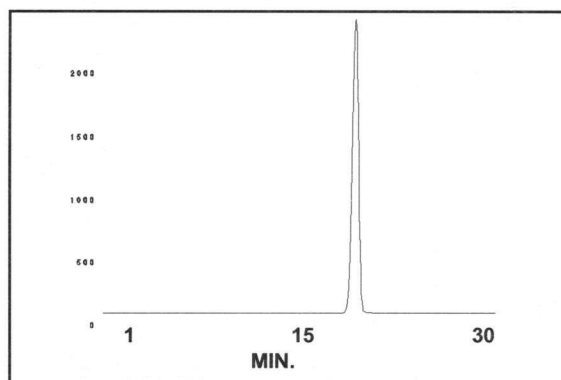


Lot #: 208-220-000-GJC-20041022-Q

Packaged as: Solid

Date of Analysis: June 21, 2010

Chemical Purity @ 267nm : 99.9%



HPLC ANALYSIS LOT 208-220-000-GJC-20041022-Q
File Name: int20557 Date and Time: 6/21/2010 11:58:42 A
Unit 2 UV

Peak #	Area %	Time	Area
1	0.03	4.80670	2.56157
2	99.97	19.36000	7508.57382
Totals	100.00		7511.13539

Stability and Storage Recommendation: The rate of decomposition is approximately 0.5%/year for the first six months after purification when stored 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-817

3'-Azido 3'-deoxythymidine

Lot 208-220-000-GJC-20041022-Q

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

Concentrations and volumes:

3'-Azido 3'-deoxythymidine concentration was 1 μg /ml.

Volume of **3'-Azido 3'-deoxythymidine** injection was 4 μl .

Volume of blank injection was 4 μl .

B) Mass spectrometry – Negative mode

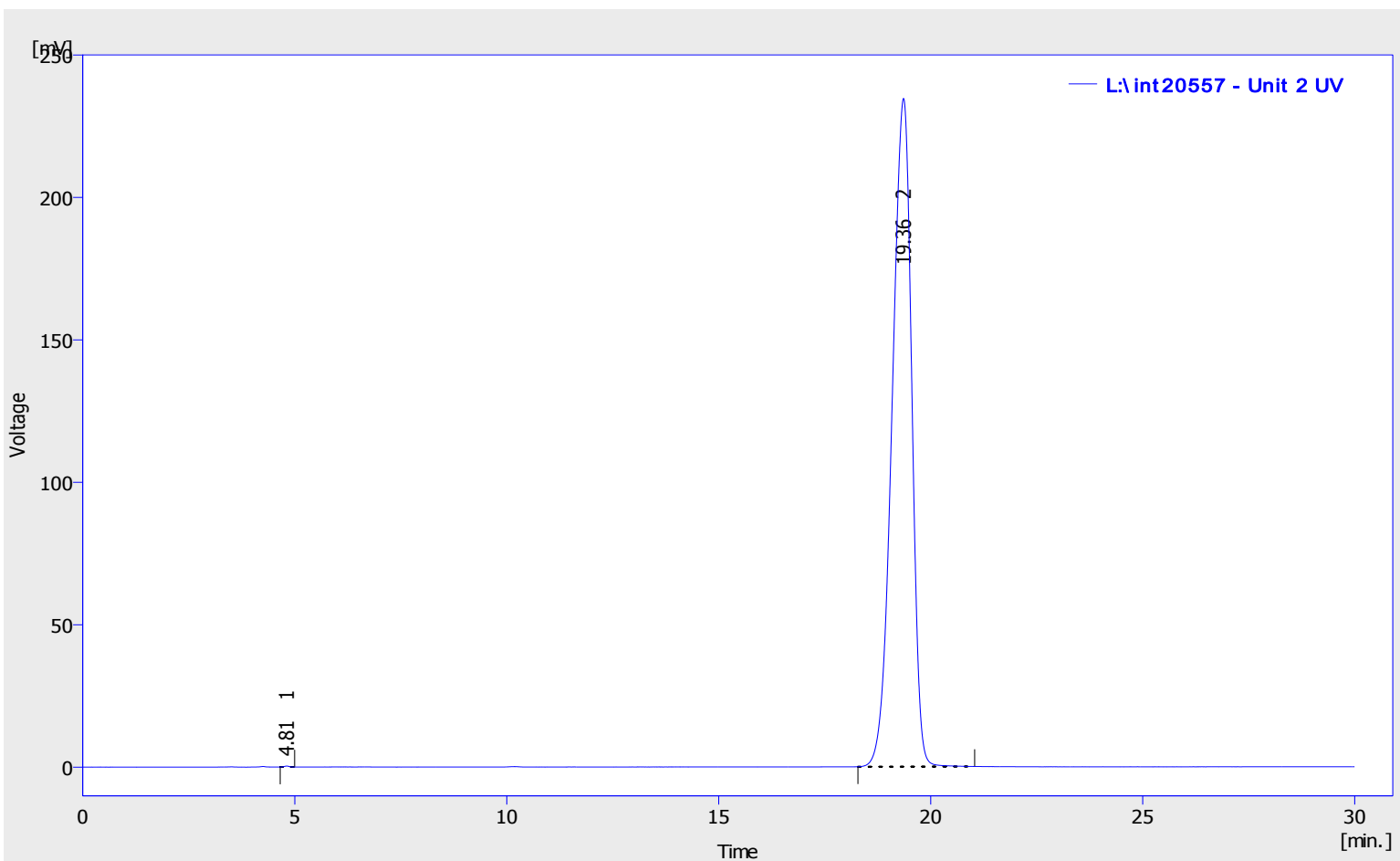
C) NMR

D) UV spectrum

M-817
3'-Azido 3'-deoxythymidine
Lot 208-220-000-GJC-20041022-Q

Chromatogram Info:

File Name	: L:\int20557	File Created	: 6/21/2010 3:50:49 PM
Origin	: Acquired	Acquired Date	: 6/21/2010 11:58:42 AM
Project	: Work1	By	: Administrator
Method	: Unit2-30minrun	By	: Administrator
Description	: UV trace of 3'-Azido 3'-deoxythymidine	Modified	: 6/21/2010 4:03 PM
Created	: 7/20/2007 9:39 AM	Detection	: 267nm
Column	: Supelco Discovery C18 4.6 x 250mm	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



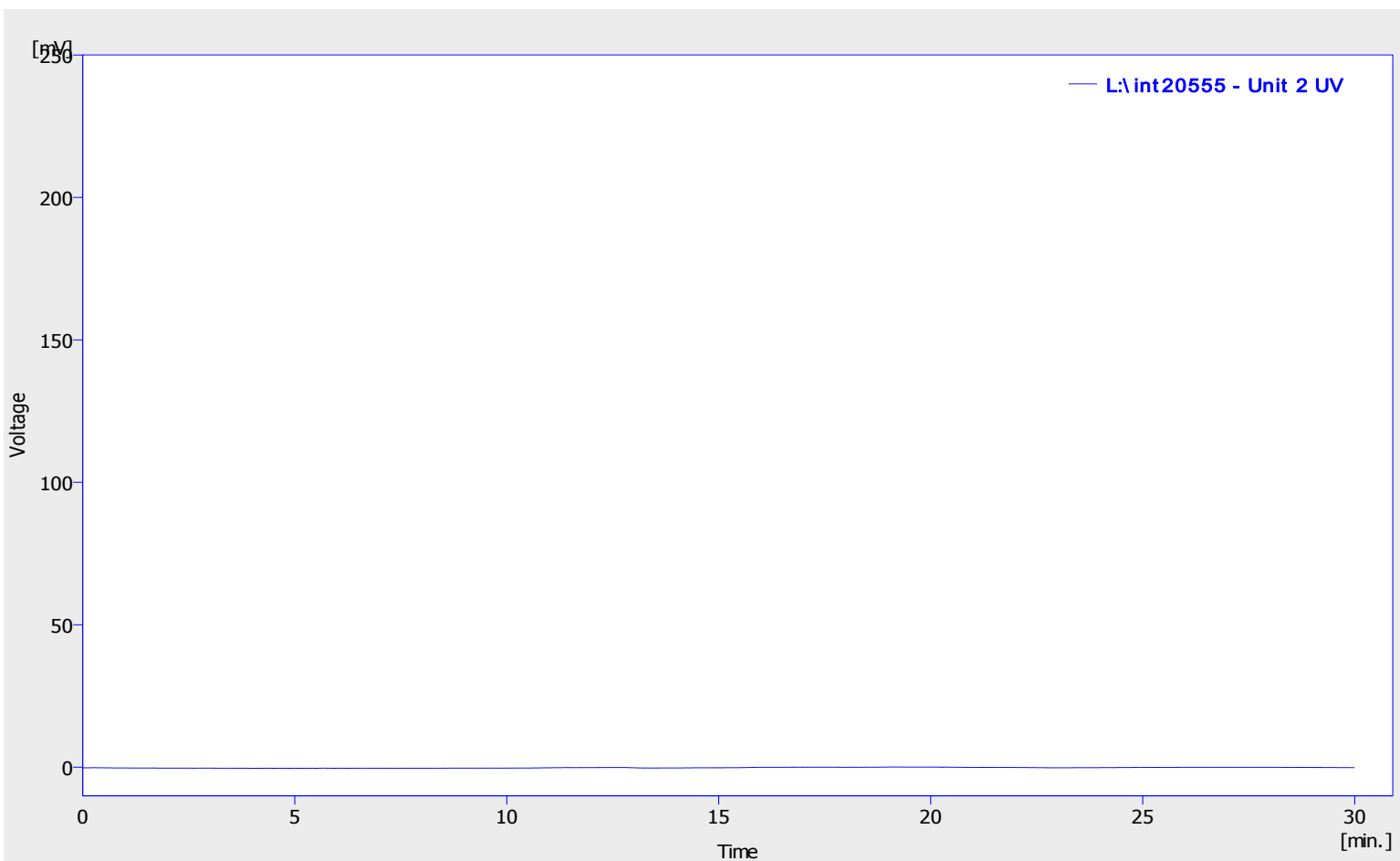
Result Table (Uncal - L:\int20557 - Unit 2 UV)

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	4.807	2.562	0.326	0.03	0.1	0.13
2	19.360	7508.574	234.565	99.97	99.9	0.51
	Total	7511.135	234.890	100.00	100.0	

M-817
3'-Azido 3'-deoxythymidine
Lot 208-220-000-GJC-20041022-Q

Chromatogram Info:

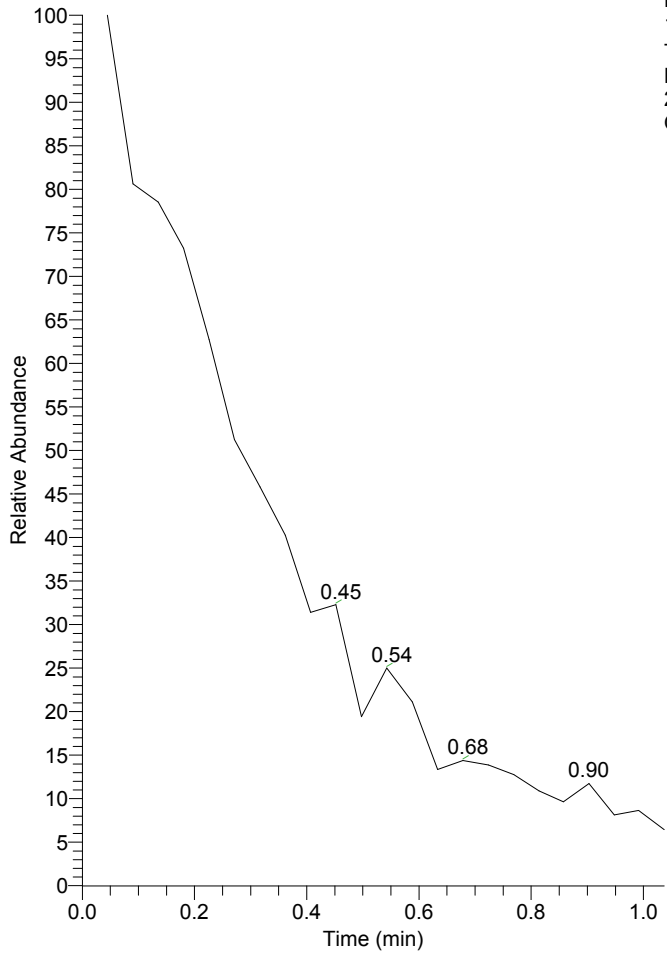
File Name	: L:\int20555	File Created	: 6/21/2010 3:50:48 PM
Origin	: Acquired	Acquired Date	: 6/21/2010 10:51:01 AM
Project	: Work1	By	: Administrator
Method	: Unit2-30minrun	By	: Administrator
Description	: UV trace of blank injection	Modified	: 6/21/2010 4:05 PM
Created	: 7/20/2007 9:39 AM	Detection	: 267nm
Column	: Supelco Discovery C18 4.6 x 250mm	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



Result Table (Uncal - L:\int20555 - Unit 2 UV)

Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
No peak to report					

RT: 0.00 - 1.04



NL:
1.53E6
TIC MS
M817-
20041022-
Q

M817-20041022-Q#1-23 RT: 0.04-1.04 AV: 23

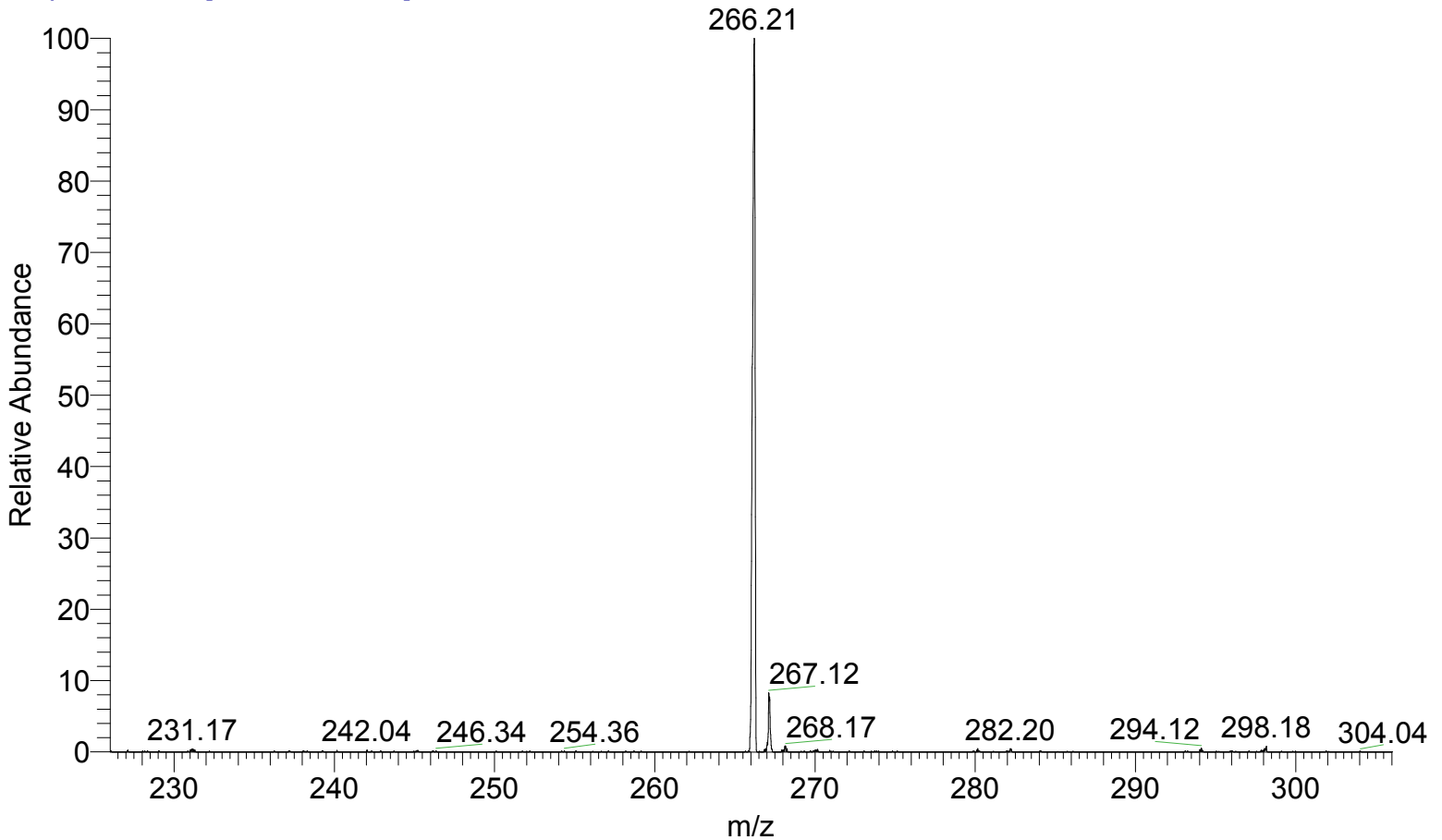
T: - p NSI Z ms [226.00-306.00]

m/z= 262.39-278.34

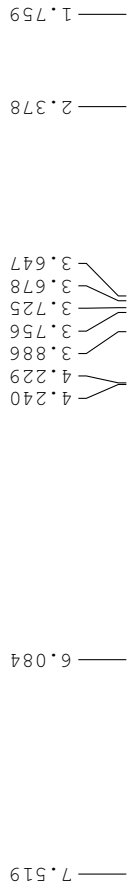
m/z	Intensity	Relative
266.17	465906.4	100.00
267.14	27490.6	5.90
268.12	2591.7	0.56
269.26	139.6	0.03
270.03	1311.5	0.28
270.99	260.5	0.06
272.14	125.2	0.03
273.07	102.0	0.02
273.79	341.7	0.07
274.98	163.3	0.04

M817-20041022-Q #1-23 RT: 0.04-1.04 AV: 23 NL: 1.22E4

T: - p NSI Z ms [226.00-306.00]

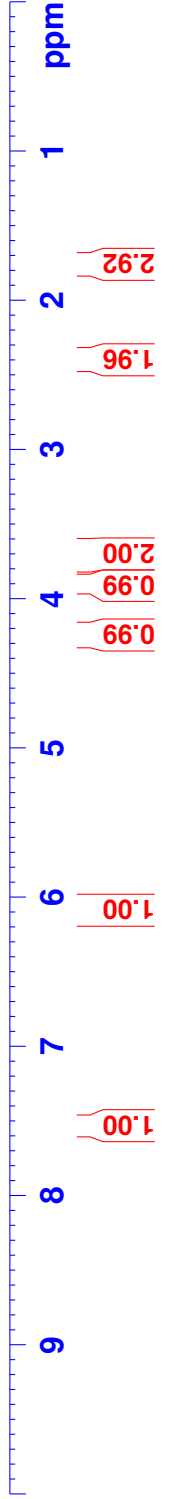


M817 1H NMR in D2O
Batch 20041022-Q



NAME M817-20041022-Q
EXPNO 1
PROCNO 1
Date_ 20100621
Time 10.24
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT D2O
NS 512
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 4
DW 60.400 usec
DE 6.50 usec
TE 294.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PL1 -0.70 dB
PL1W 10.03411102 W
SF01 400.1324710 MHz
SI 32768
SF 400.1300062 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00



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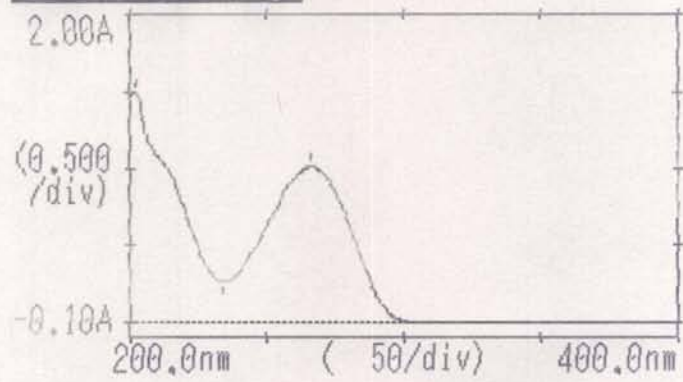
Peak detection

Abscis.	ABS	Abscis.	ABS
267.0	1.011		
203.0	1.497		

Graph PrintOut Valley

01/Feb/;1 09:34:36

Data Processing



PrintOut Peak Valley