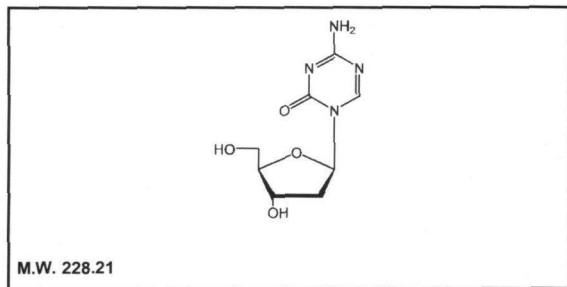




# Product Data Sheet

**M-1774**

## 5-Aza-2'-deoxycytidine

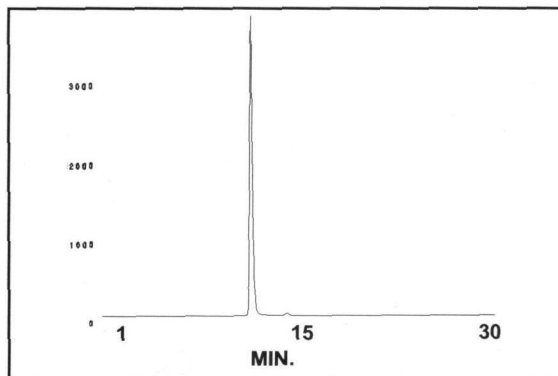


**Lot #:** 208-289-000-A-20091110-HP

**Packaged as:** Solid

**Date of Analysis:** November 19, 2009

**Chemical Purity @ 265nm:** 99.2%



HPLC ANALYSIS LOT 208-289-000-A-20091110-HP  
File Name: inth1605 Date and Time: 11/19/2009 10:57:17  
Unit 17 UV

Peak #	Area %	Time	Area
1	0.05	9.17000	2.80869
2	99.21	11.40670	5883.08973
3	0.74	14.18000	44.14144
Totals	100.00		5930.03986

**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-1774**

**5-Aza-2'-deoxycytidine**

**Lot 208-289-000-A-20091110-HP**

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

**Concentrations and volumes:**

**5-Aza-2'-deoxycytidine** solution concentration was 1.5 mg/mL.

Volume of **5-Aza-2'-deoxycytidine** injection was 2.5  $\mu$ L.

Volume of blank injection was 2.5  $\mu$ L.

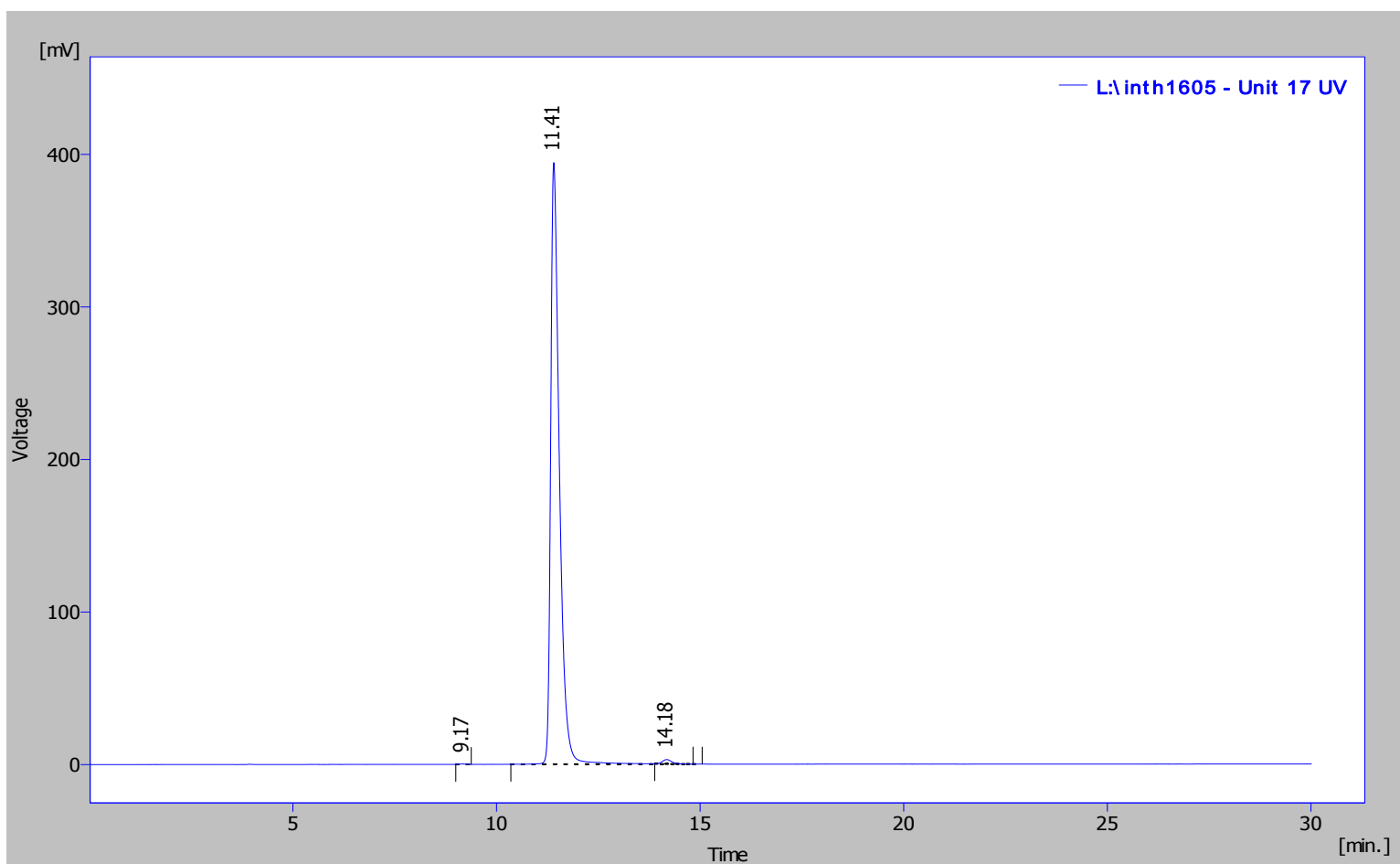
**B) Mass spectrometry - Positive mode**

**C) NMR**

**M-1774**  
**5-Aza-2'-deoxycytidine**  
**Lot 208-289-000-A-20091110-HP**

## Chromatogram Info:

File Name	: L:\inth1605	File Created	: 11/19/2013 9:07:40 AM
Origin	: Acquired, Acquisition started 11/19/2009 10:27:18 AM	Acquired Date	: 11/19/2009 10:57:17 AM
Project	: Test	By	: Administrator
Method	: Unit17_40_min_run	By	: Administrator
Description	: UV trace of 5-Aza-2'-deoxycytidine	Modified	: 11/19/2013 9:11 AM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: UV 265nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



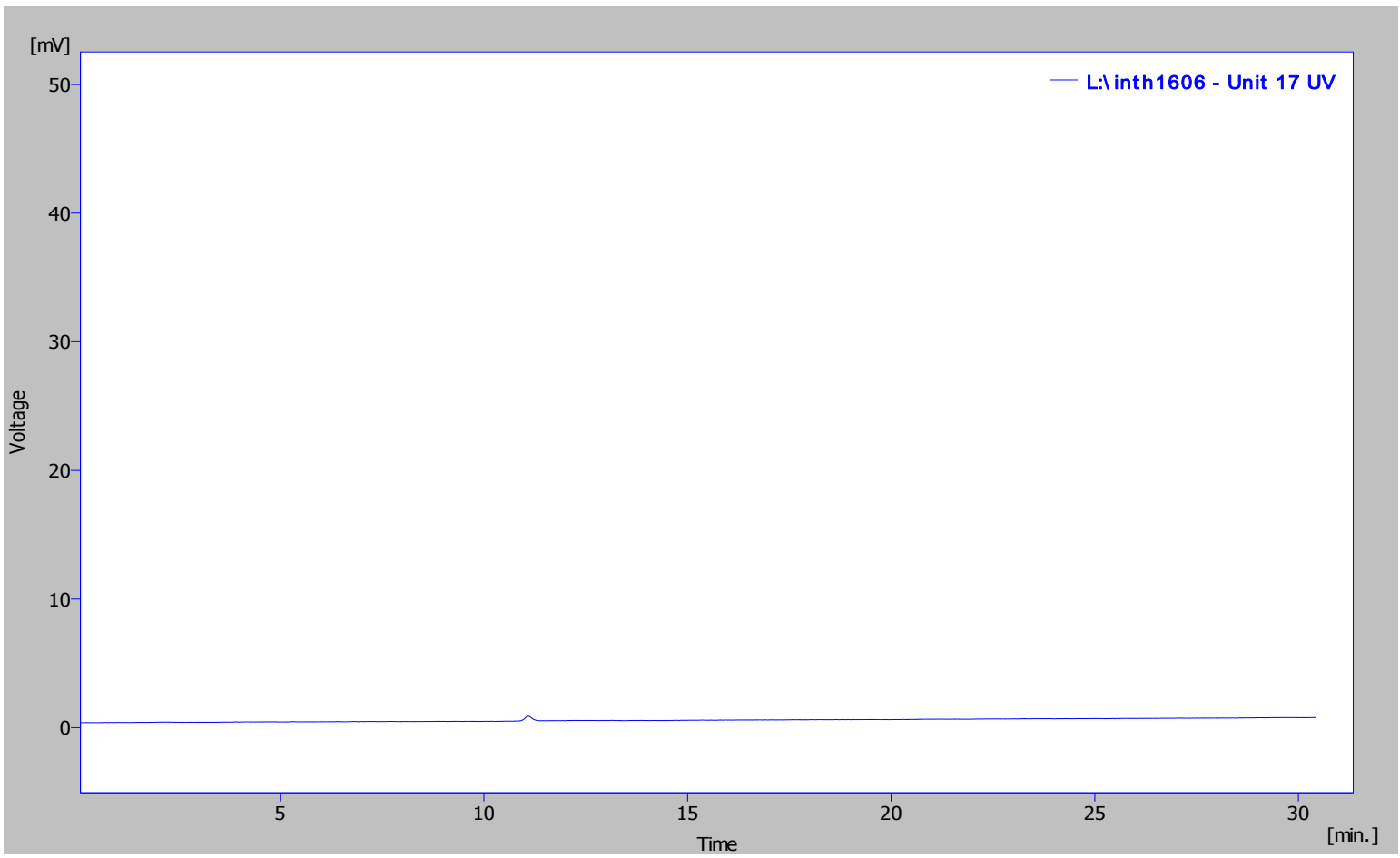
Result Table (Uncal - L:\inth1605 - Unit 17 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		9.170	0.05	2.809	0.289	0.073	19099.005
2		11.407	99.21	5883.090	394.446	99.219	0.000
3		14.180	0.74	44.141	2.817	0.709	16087.098
		Total	100.00	5930.040	397.552	100.000	

**M-1774**  
**5-Aza-2'-deoxycytidine**  
**Lot 208-289-000-A-20091110-HP**

Chromatogram Info:

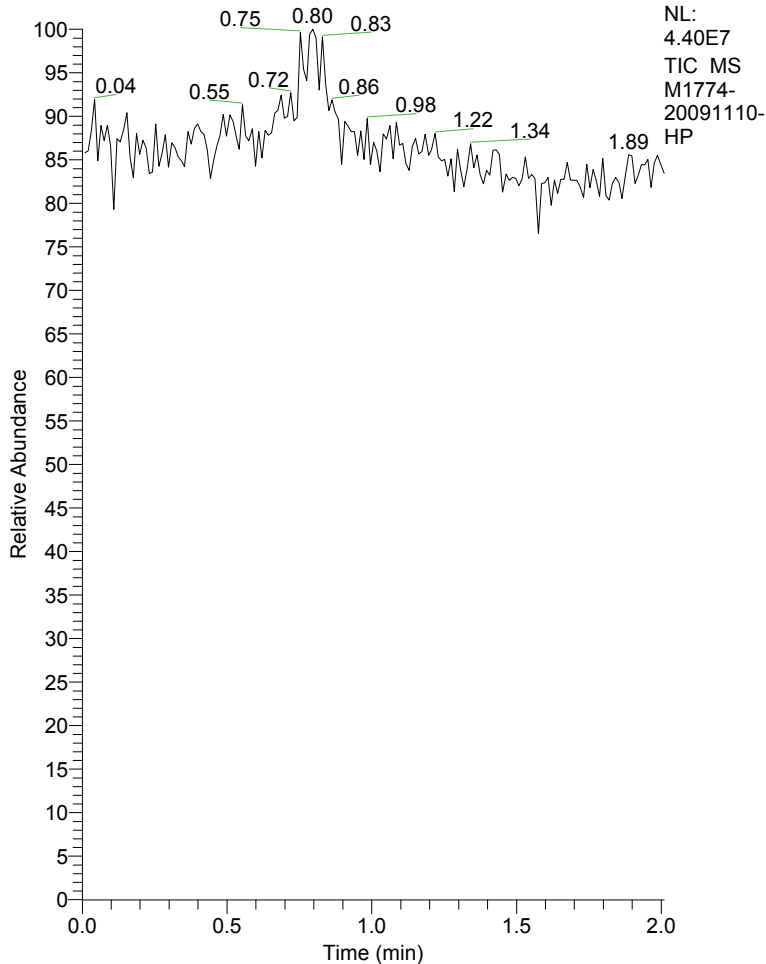
File Name	: L:\inth1606	File Created	: 11/19/2013 9:07:41 AM
Origin	: Acquired, Acquisition started 11/19/2009 10:57:37 AM	Acquired Date	: 11/19/2009 11:28:01 AM
Project	: Test	By	: Administrator
Method	: Unit17_40_min_run	By	: Administrator
Description	: UV trace of blank injection	Modified	: 11/19/2013 9:13 AM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: UV 265nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



*Result Table (Uncal - L:\inth1606 - Unit 17 UV)*

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

RT: 0.00 - 2.01



M1774-20091110-HP#1-181 RT: 0.01-2.01 AV:

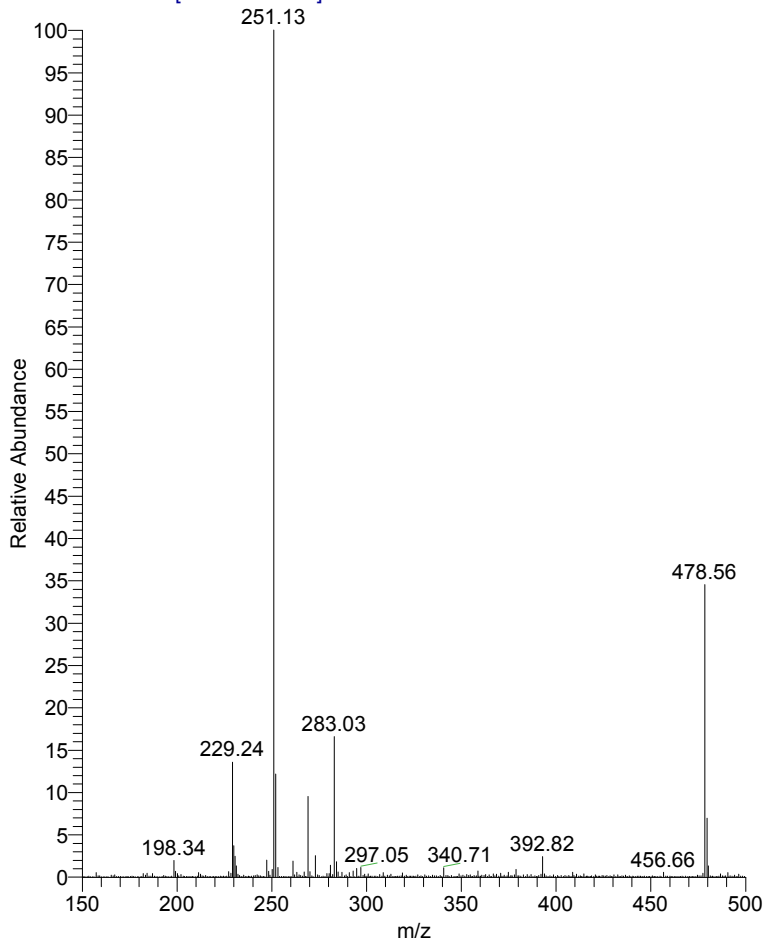
T: + c NSI Full ms [150.00-500.00]

m/z = 226.69-259.69

m/z	Intensity	Relative
227.18	87262.0	0.63
228.35	63117.2	0.45
229.24	1892297.0	13.57
229.98	516082.9	3.70
230.67	338524.5	2.43
231.35	183832.1	1.32
232.10	47219.5	0.34
233.03	21553.2	0.15
235.22	27200.2	0.19
241.19	23847.3	0.17
242.34	36128.9	0.26
243.13	20227.7	0.15
244.00	17904.6	0.13
247.33	275840.5	1.98
248.27	90149.8	0.65
249.07	29814.5	0.21
250.20	124920.7	0.90
251.13	13949681.8	100.00
252.04	1693799.1	12.14
253.16	155771.6	1.12

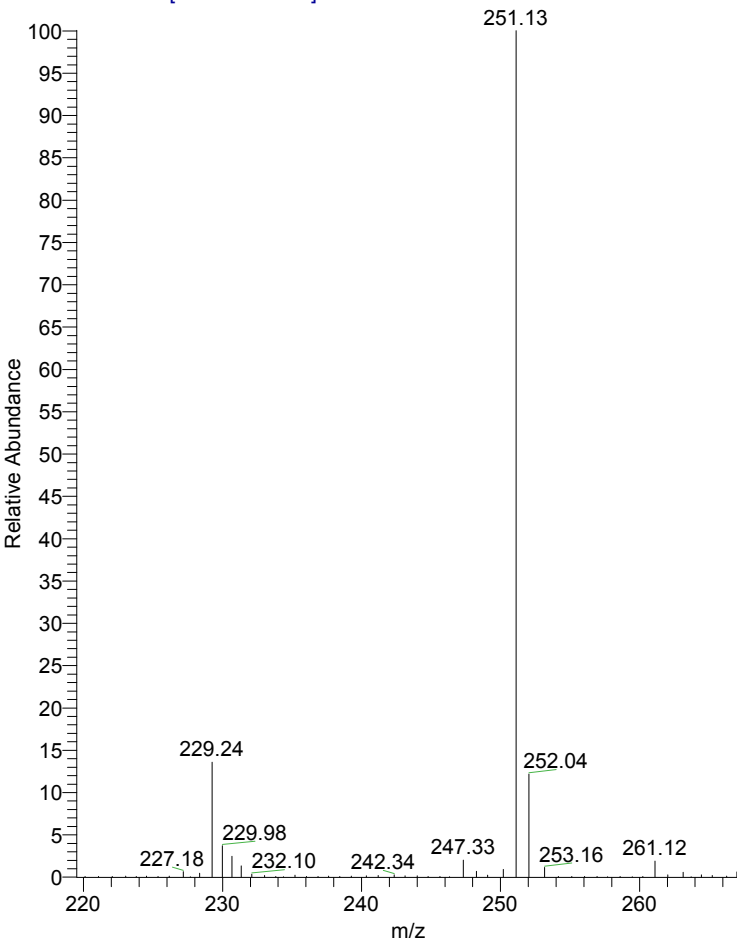
M1774-20091110-HP #1-181 RT: 0.01-2.01 AV: 181 NL: 1.39E7

T: + c NSI Full ms [150.00-500.00]



M1774-20091110-HP #1-181 RT: 0.01-2.01 AV: 181 NL: 1.39E7

T: + c NSI Full ms [150.00-500.00]



M1774 1H NMR in D2O  
Batch 20091110-HP



2.423  
2.388  
2.351  
2.336  
2.320  
2.301  
2.285

4.341  
3.987  
3.765  
3.734  
3.663  
3.637

6.032  
6.016  
6.000

8.425

NAME M1774  
EXPNO 1  
PROCNO 1  
Date\_ 20091124  
Time 16.22  
INSTRUM spect  
PROBHD 5 mm PABBO BB-  
PULPROG zg30  
TD 65536  
SOLVENT D2O  
NS 842  
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 294.6 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 400.1300000 MHz  
WDW no  
SSB 0  
LB 0.00 Hz  
GB 0  
PC 1.00

