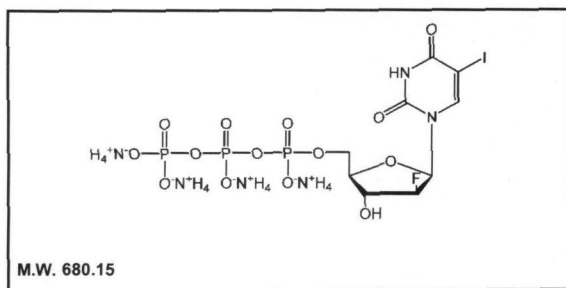




# Product Data Sheet

**M-1586**

**2'-Fluoro-2'-deoxy-5-iodouracil-β-D-arabinofuranoside-5'-triphosphate, tetraammonium salt**

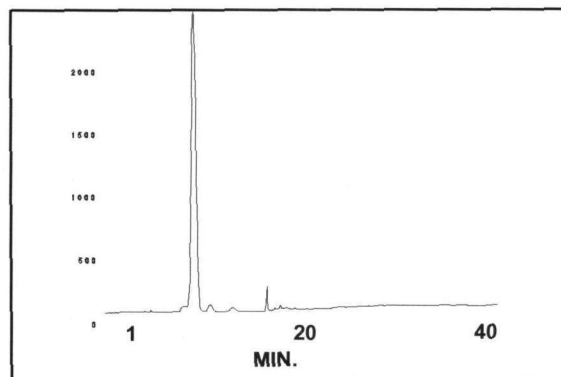


**Lot #:** 186-158-000-A-20101119-TN

**Packaged as:** Solid

**Date of Analysis:** December 15, 2010

**Chemical Purity @ 285nm :** 93.1%



HPLC ANALYSIS LOT 186-158-000-A-20101119-TN  
File Name: int20844 Date and Time: 12/15/2010 1:37:44 P  
Unit 2 UV

Peak #	Area %	Time	Area
1	0.04	4.17330	3.29110
2	0.09	4.81670	8.19603
3	1.81	8.31330	157.84723
4	93.13	9.12000	8110.92609
5	1.94	10.84000	169.20358
6	1.19	13.13670	103.24054
7	1.80	16.61330	156.38456
Totals	100.00		8709.08913

**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-1586**

**2'-Fluoro 2'-deoxy-5-iodouracil- $\beta$ -D-arabinofuranoside-5'-triphosphate,  
tetraammonium salt**

**Lot 186-158-000-A-20101119-TN**

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

**Concentrations and volumes:**

**M-1586 Material** solution concentration was 1.0 mg/ml.

Volume of **M-1586 Material** injection was 20.0  $\mu$ l.

Volume of blank injection was 20.0  $\mu$ l.

**B) Mass spectrometry – Negative mode**

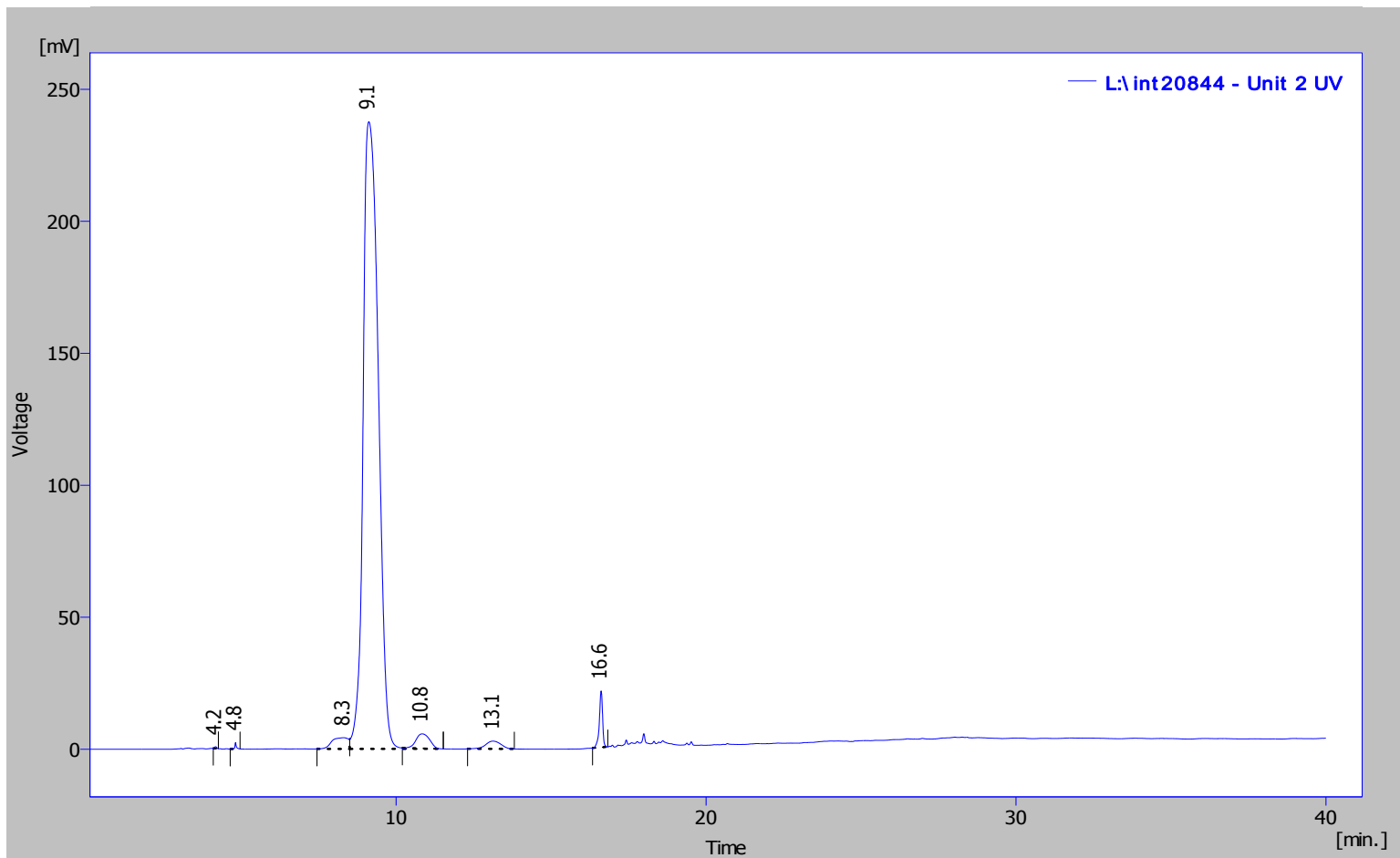
**C) NMR**

**D) UV spectrum**

**M-1586****2'-Fluoro 2'-deoxy-5-iodouracil- $\beta$ -D-arabinofuranoside-5'-triphosphate, tetraammonium salt**  
**Lot 186-158-000-A-20101119-TN**

## Chromatogram Info:

File Name	: L:\int20844	File Created	: 10/21/2013 1:57:06 PM
Origin	: Acquired, Acquisition started 12/15/2010 12:57:45 PM	Acquired Date	: 12/15/2010 1:37:44 PM
Project	: Test	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: UV trace of 2'-Fluoro 2'-deoxy-5-iodouracil- $\beta$ -D-arabinofuranoside-5'-triphosphate, tetraammonium salt		
Created	: 6/16/2007 8:19 AM	Modified	: 10/21/2013 2:05 PM
Column	:	Detection	: UV 285nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



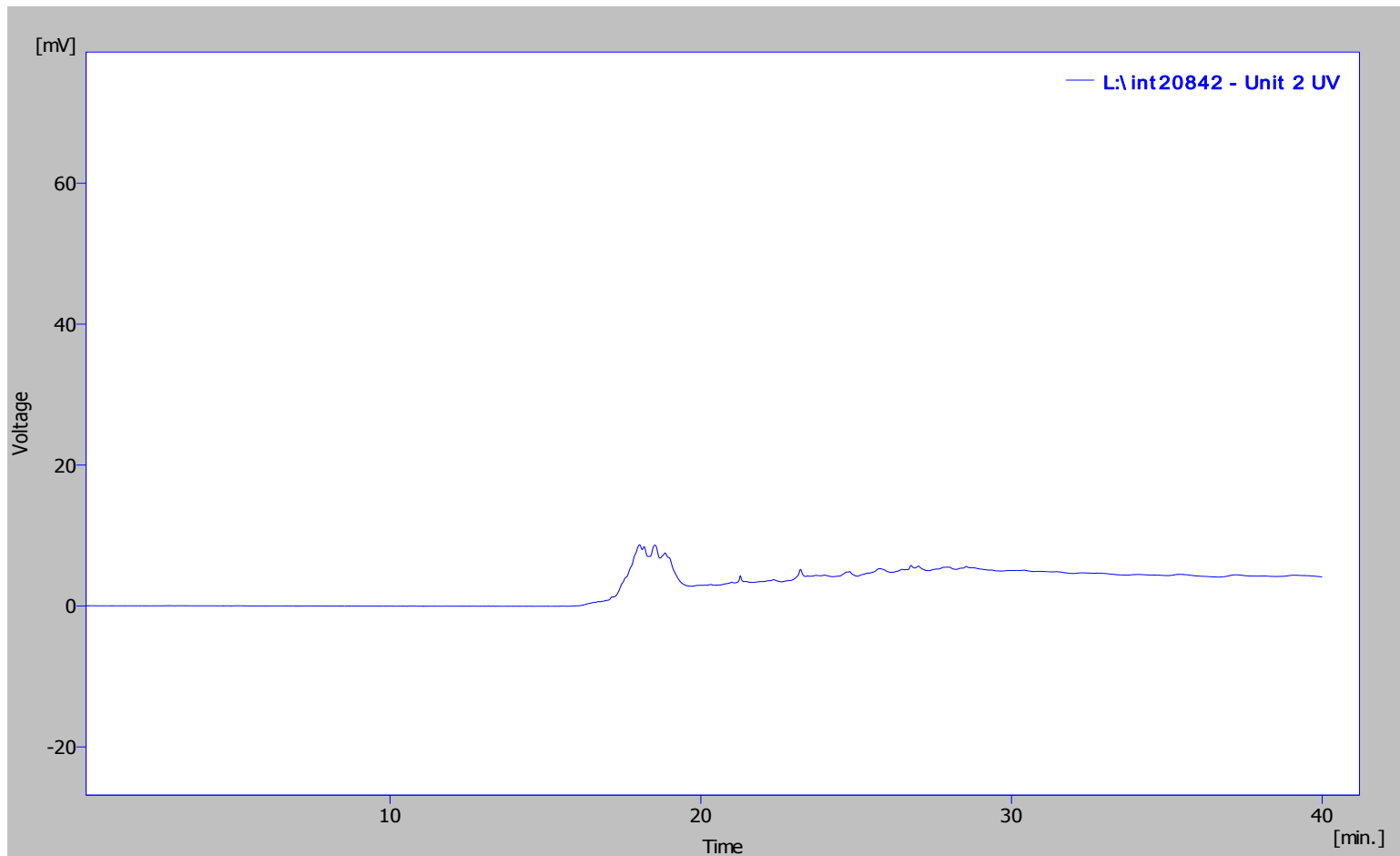
Result Table (Uncal - L:\int20844 - Unit 2 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		4.173	0.038	3.291	0.681	0.248	15076.341
2		4.817	0.094	8.196	2.439	0.887	80330.962
3		8.313	1.812	157.847	4.269	1.553	964.671
4		9.120	93.132	8110.926	237.637	86.438	1580.200
5		10.840	1.943	169.204	5.517	2.007	2638.993
6		13.137	1.185	103.241	2.969	1.080	3199.152
7		16.613	1.796	156.385	21.411	7.788	134389.666
		Total	100.000	8709.089	274.924	100.000	

**M-1586****2'-Fluoro 2'-deoxy-5-iodouracil- $\beta$ -D-arabinofuranoside-5'-triphosphate, tetraammonium salt  
Lot 186-158-000-A-20101119-TN**

## Chromatogram Info:

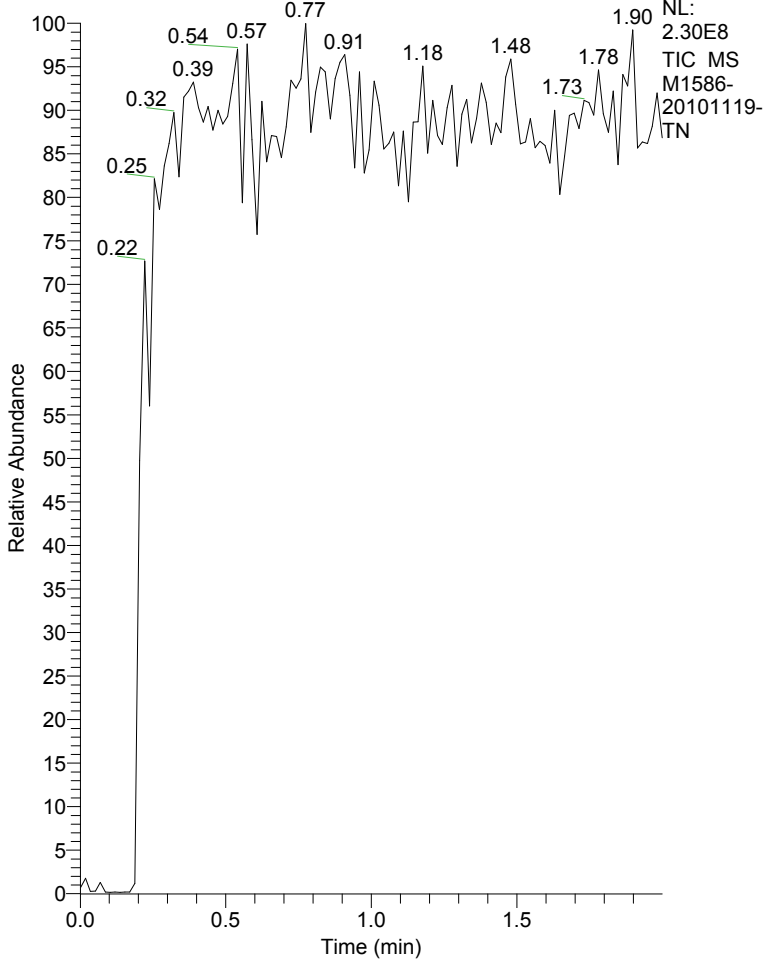
File Name	: L:\int20842	File Created	: 10/21/2013 1:57:06 PM
Origin	: Acquired, Acquisition started 12/15/2010 10:54:14 AM	Acquired Date	: 12/15/2010 11:34:13 AM
Project	: Test	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: UV trace of blank injection	Modified	: 10/21/2013 2:01 PM
Created	: 6/16/2007 8:19 AM		
Column	:	Detection	: UV 285nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



*Result Table (Uncal - L:\int20842 - Unit 2 UV)*

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

RT: 0.00 - 2.00



M1586-20101119-TN#1-120 RT: 0.00-2.00 AV:

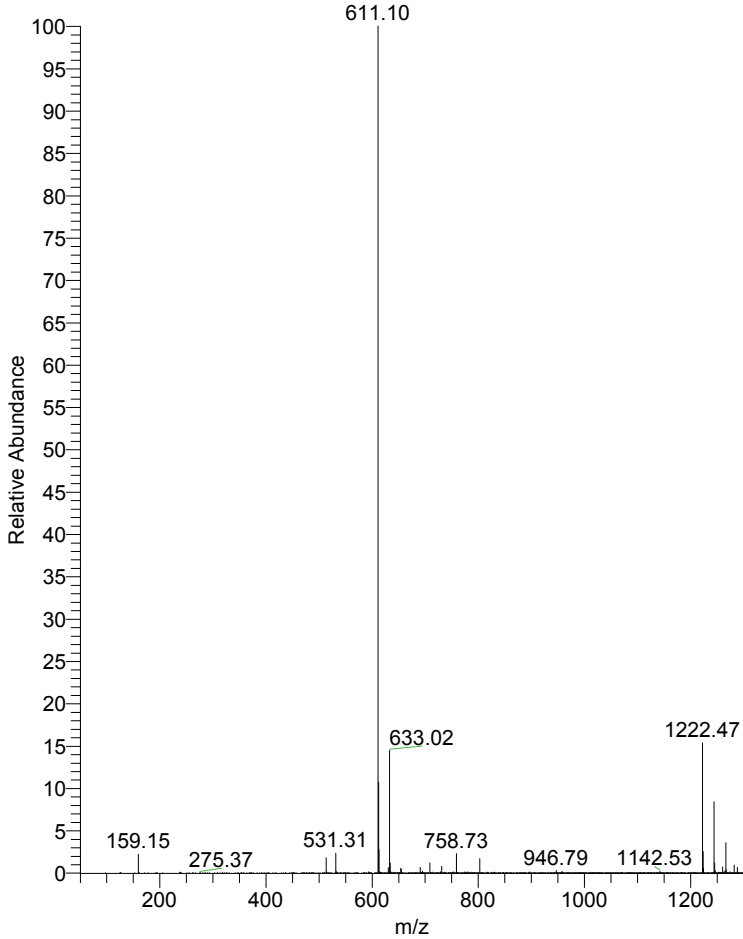
T: - c NSI Full ms [50.00-1300.00]

m/z = 597.41-628.45

m/z	Intensity	Relative
608.65	1211.0	0.00
610.37	22437.4	0.02
611.10	97237740.6	100.00
612.06	10428183.4	10.72
613.10	2654688.0	2.73
614.09	130316.2	0.13
615.03	101141.9	0.10
616.00	42413.8	0.04
616.67	20020.5	0.02
617.25	20985.9	0.02
619.70	1505.7	0.00
621.75	1361.9	0.00
622.34	4517.9	0.00
623.00	3329.8	0.00
625.09	20117.6	0.02
626.07	6554.6	0.01
627.33	4943.0	0.01

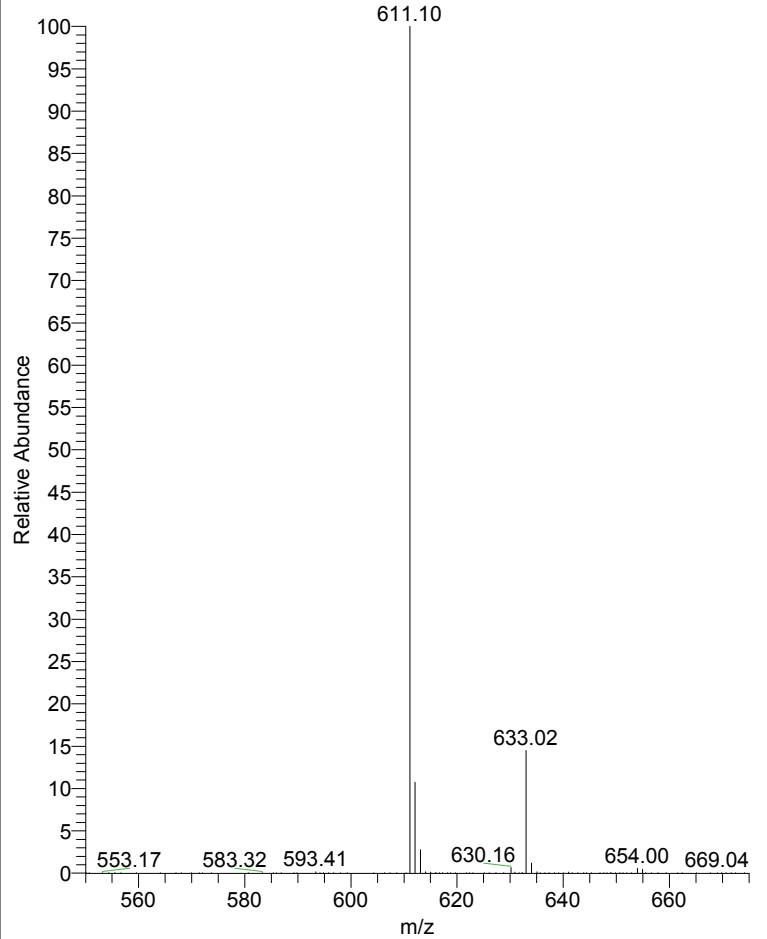
M1586-20101119-TN #1-120 RT: 0.00-2.00 AV: 120 NL: 9.72E7

T: - c NSI Full ms [50.00-1300.00]



M1586-20101119-TN #1-120 RT: 0.00-2.00 AV: 120 NL: 9.72E7

T: - c NSI Full ms [50.00-1300.00]



M1586 1H NMR in D2O  
Batch 20101119-TN



NAME M1586  
EXPNO 1  
PROCNO 1  
Date\_ 20101214  
Time 10.05  
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 293.7 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 400.1299802 MHz  
WDW no  
SSB 0  
LB 0.00 Hz  
GB 0  
PC 1.00

