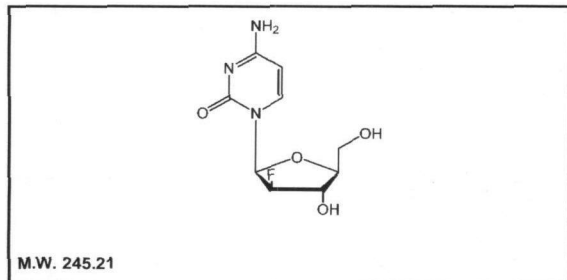




Product Data Sheet

M-1912

2'-Fluoro-2'-deoxy-L-arabinofuranosyl cytosine

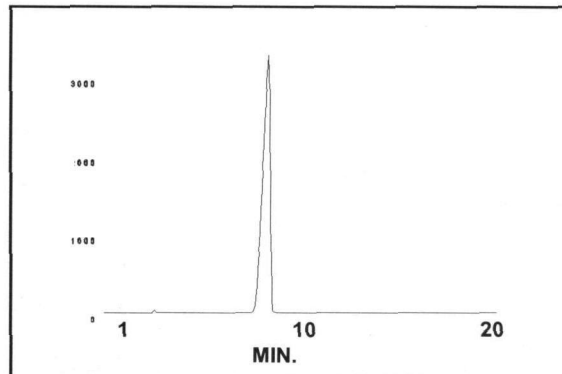


Lot #: 221-011-000-A-20110719-KDZ

Packaged as: Solid

Date of Analysis: July 21, 2011

Chemical Purity @ 255nm: 99.5%



HPLC ANALYSIS LOT 221-011-000-A-20110719-KDZ
File Name: intrm3924 Date and Time: 7/21/2011 10:05:54 A
Unit 20 UV

Peak #	Area %	Time	Area
1	0.31	2.58000	26.88545
2	0.02	3.75330	2.00778
3	0.03	6.69670	2.73249
4	99.56	8.44000	8621.24139
5	0.05	10.34670	4.73033
6	0.02	11.98000	1.31868
Totals	100.00		8658.91612

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-1912

2'-Fluoro-2'-deoxy-L-arabinofuranosyl cytosine

Lot 221-011-000-A-20110719-KDZ

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

Concentrations and volumes:

2'-Fluoro-2'-deoxy-L-arabinofuranosyl cytosine concentration was 1.0 mg/ml.

Volume of **2'-Fluoro-2'-deoxy-L-arabinofuranosyl cytosine** injection was 5.0 μ l.

Volume of blank injection was 5.0 μ l.

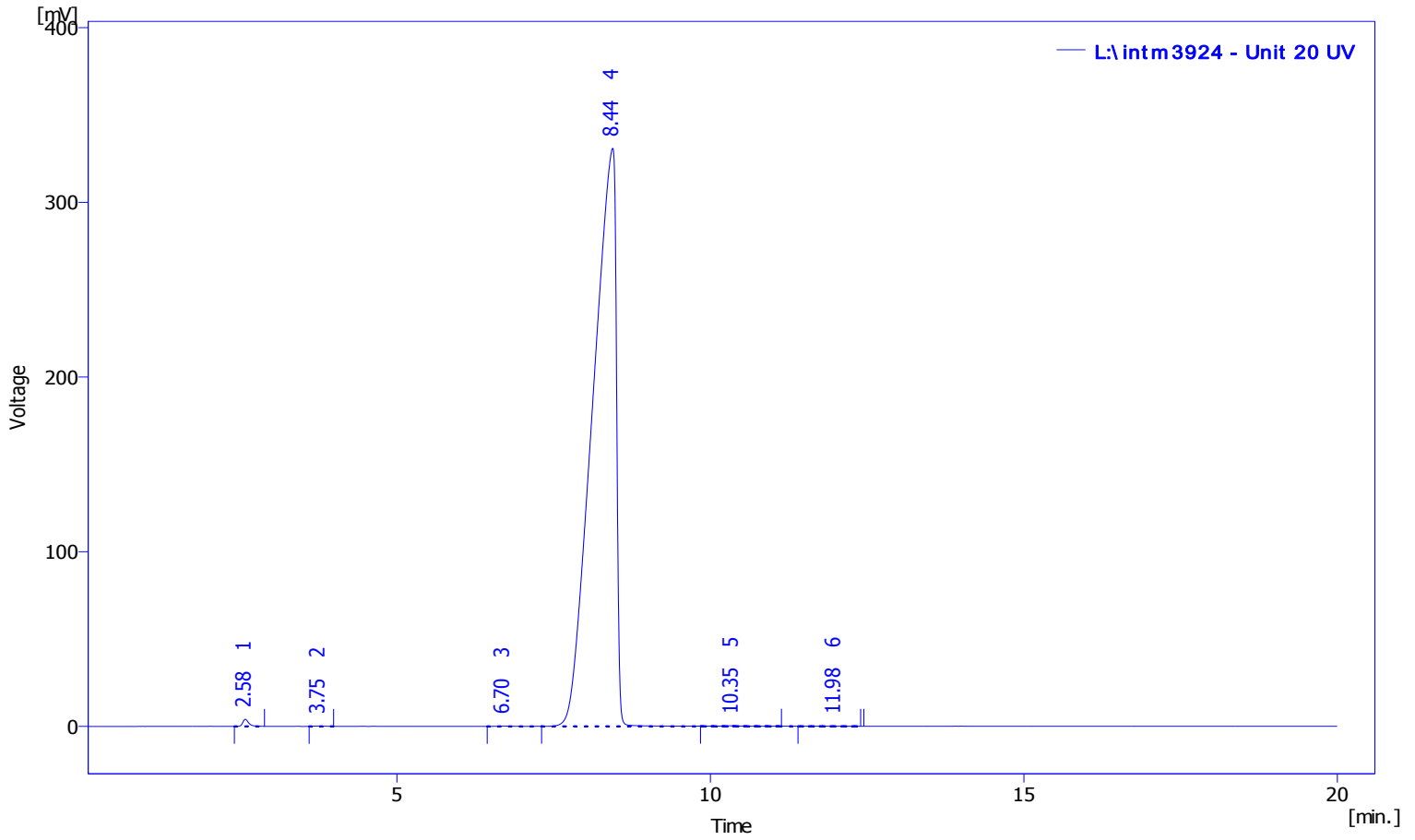
B) Mass spectrometry - Positive mode

C) NMR

M-1912
2'-Fluoro-2'-deoxy-L-arabinofuranosyl cytosine
Lot 221-011-000-A-20110719-KDZ

Chromatogram Info:

File Name	: L:\intm3924	File Created	: 2/5/2014 3:53:31 PM
Origin	: Acquired, Acquisition started 7/21/2011 9:45:54 AM	Acquired Date	: 7/21/2011 10:05:54 AM
Project	: Test	By	: Administrator
Method	: Unit_20_20_min_run	By	: Administrator
Description	: UV trace of 2'-Fluoro-2'-deoxy-L-arabinofuranosyl cytosine	Modified	: 2/5/2014 3:59 PM
Created	: 4/15/2008 11:38 AM		
Column	:	Detection	: UV 255nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



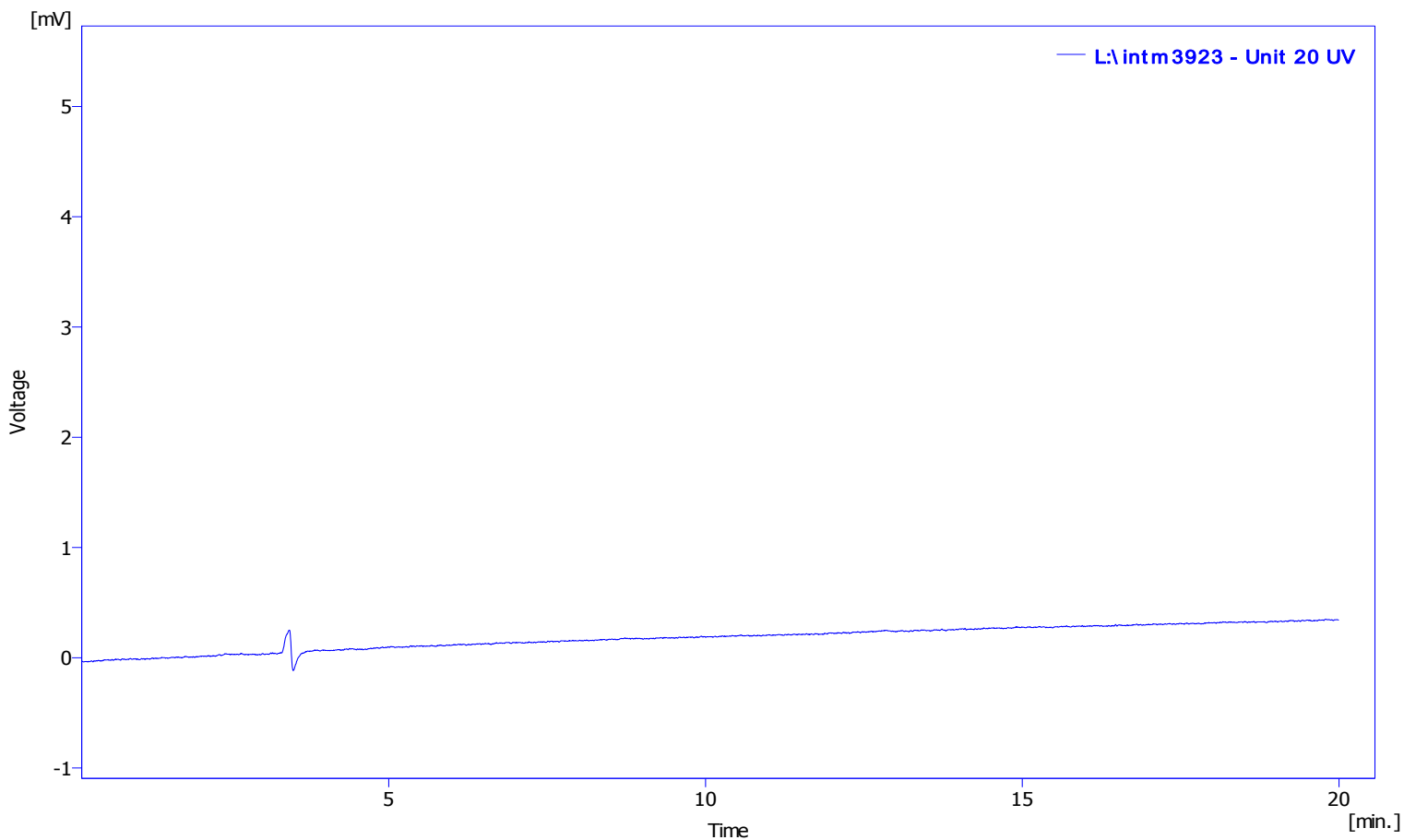
Result Table (Uncal - L:\intm3924 - Unit 20 UV)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Eff/I [t.p./m]	Symmetry/Tailing [-]	Response Factor	Resolution [-]
1		2.58	26.885	4.08	0.31	1.21	3687.65	73752.91	1.44		
2		3.75	2.008	0.18	0.02	0.05	2321.99	46439.89	1.29		4.9
3		6.70	2.732	0.18	0.03	0.05	7130.07	142601.33	1.21		9.4
4		8.44	8621.241	330.94	99.56	98.58	2202.06	44041.26	2.27		3.4
5		10.35	4.730	0.27	0.05	0.08	11890.59	237811.90	0.99		3.5
6		11.98	1.319	0.06	0.02	0.02	11761.88	235237.58	0.82		4.0
		Total	8658.916	335.71	100.00	100.00					

M-1912
2'-Fluoro-2'-deoxy-L-arabinofuranosyl cytosine
Lot 221-011-000-A-20110719-KDZ

Chromatogram Info:

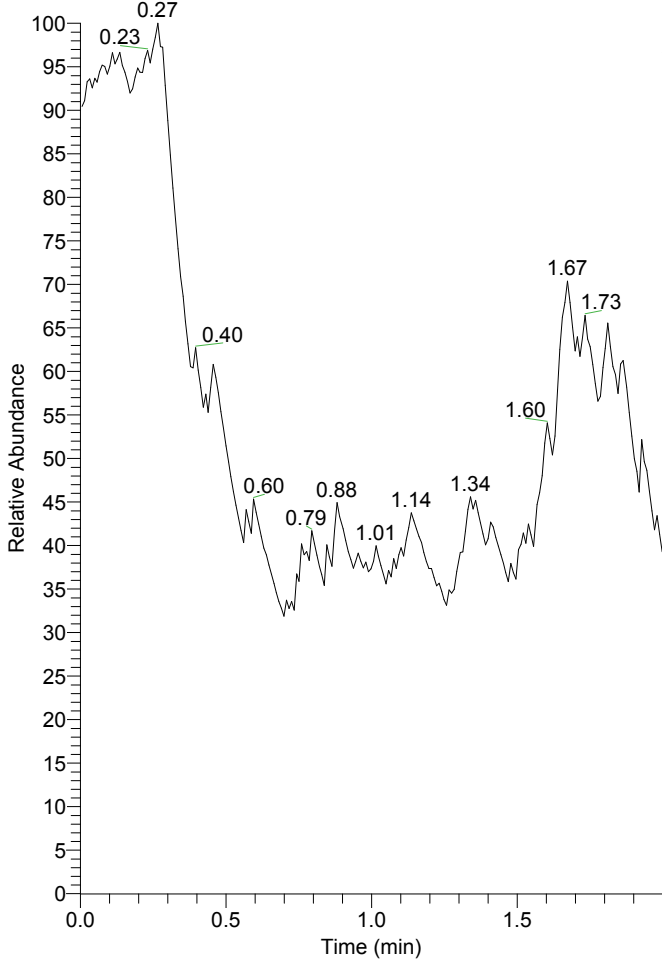
File Name	: L:\intm3923	File Created	: 2/5/2014 3:53:31 PM
Origin	: Acquired, Acquisition started 7/21/2011 8:57:10 AM	Acquired Date	: 7/21/2011 9:17:09 AM
Project	: Test	By	: Administrator
Method	: Unit_20_20_min_run	By	: Administrator
Description	: UV trace of blank injection	Modified	: 2/5/2014 3:56 PM
Created	: 4/15/2008 11:38 AM		
Column	:	Detection	: UV 255nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intm3923 - Unit 20 UV)

Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Eff/I [t.p./m]	Symmetry/Tailing [-]	Response Factor	Resolution [-]
No peak to report										

RT: 0.00 - 2.00



NL:
5.32E7
TIC F: MS
M1912-
20110719-
KDZ

M1912-20110719-KDZ#1-229 RT: 0.01-2.00

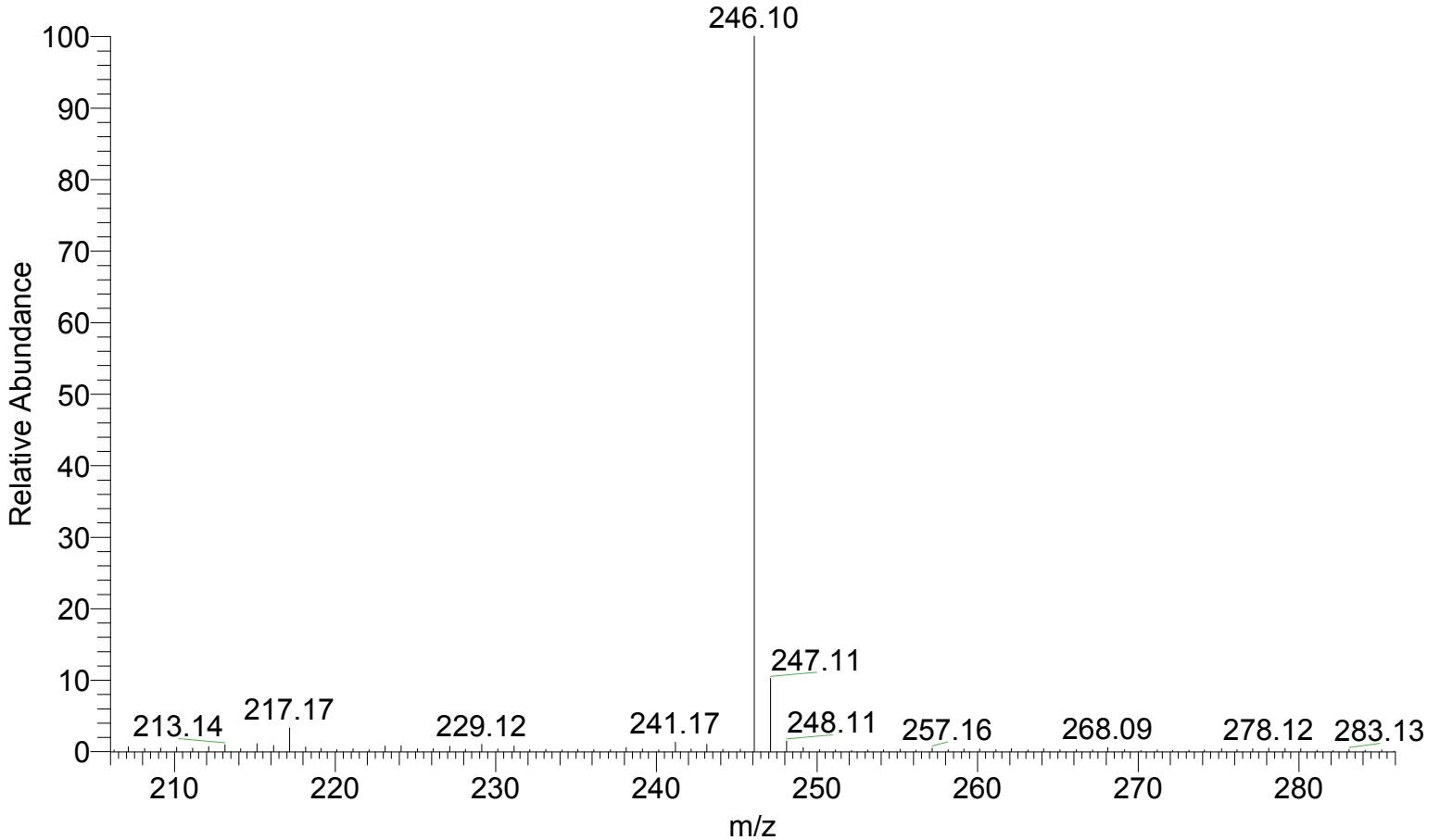
T: + c Q3MS [206.00-286.00]

m/z= 244.48-252.34

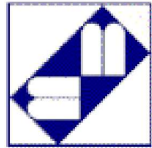
m/z	Intensity	Relative
245.23	58965.1	0.30
246.10	19573631.8	100.00
247.11	1995980.4	10.20
248.11	287579.6	1.47
249.14	110419.5	0.56
250.15	49149.0	0.25
251.14	45503.9	0.23
252.15	32149.0	0.16

M1912-20110719-KDZ #1-229 RT: 0.01-2.00 AV: 229 NL: 1.96E7

T: + c Q3MS [206.00-286.00]



M1912 1H NMR in D2O
Batch 20110719-KDZ



7.694
7.675
6.169
6.126
5.937
5.918
5.136
5.007
4.304
4.256
3.962
3.811
3.781
3.723
3.707
3.692
3.676

NAME M1912
EXPNO 1
PROCNO 1
Date_ 20110721
Time 13.58
INSTRUM spect
PROBHD 5 mm FAPBO BB-
PULPROG zg30
TD 65536
SOLVENT D2O
NS 256
DS 0
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 645.1
DW 60.400 usec
DE 6.50 usec
TE 294.7 K
D1 2.00000000 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 400.1299987 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

