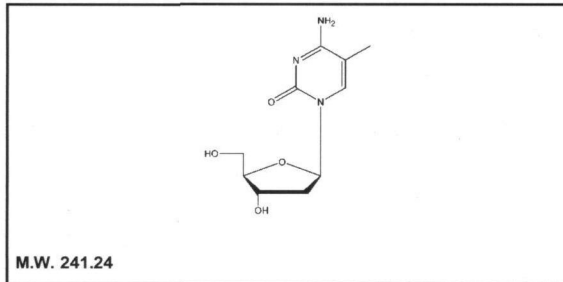




# Product Data Sheet

**M-1767**

## 5-Methyl-2'-deoxycytidine

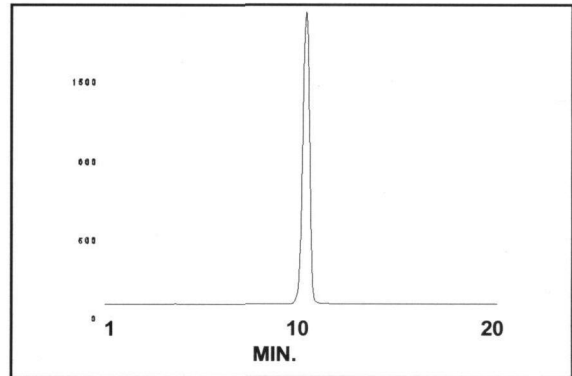


**Lot #:** 301-001-000-A-20110610-RT

**Packaged as:** Solid

**Date of Analysis:** August 24, 2011

**Chemical Purity @ 270nm:** 99.9%



HPLC ANALYSIS LOT 301-001-000-A-20110610-RT  
File Name: int21275 Date and Time: 8/24/2011 3:46:40 PM  
Unit 2 UV

Peak #	Area %	Time	Area
1	100.00	10.29670	4444.36977
Totals	100.00		4444.36977

**Storage Recommendation:** Store at 0-5°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-1767**

**5-Methyl-2'-deoxycytidine**

**Lot 308-001-000-A-20110610-RT**

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

**Concentrations and volumes:**

**5-Methyl-2'-deoxycytidine** solution concentration was 2.0 mg/ml.

Volume of **5-Methyl-2'-deoxycytidine** injection was 1.0  $\mu$ l.

Volume of blank injection was 1.0  $\mu$ l.

**B) Mass spectrometry – Positive mode**

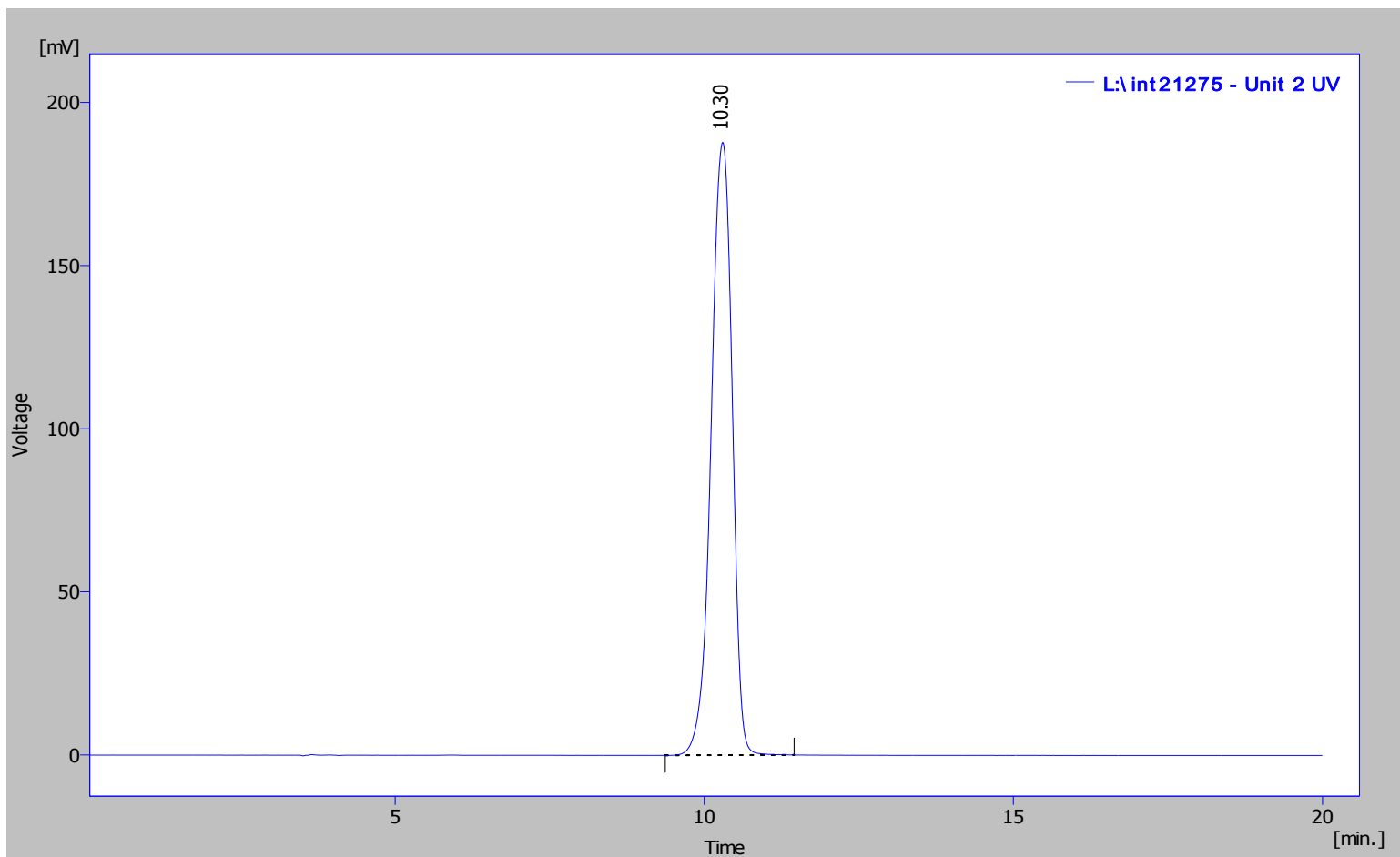
**C) NMR**

**D) UV spectrum**

**M-1767**  
**5-Methyl-2'-deoxycytidine**  
**Lot 308-001-000-A-20110610-RT**

## Chromatogram Info:

File Name	: L:\int21275	File Created	: 11/15/2013 4:03:57 PM
Origin	: Acquired, Acquisition started 8/24/2011 3:26:40 PM	Acquired Date	: 8/24/2011 3:46:40 PM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: UV trace of 5-Methyl-2'-deoxycytidine	Modified	: 11/15/2013 4:07 PM
Created	: 8/8/2007 9:12 AM		
Column	:	Detection	: UV 270nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



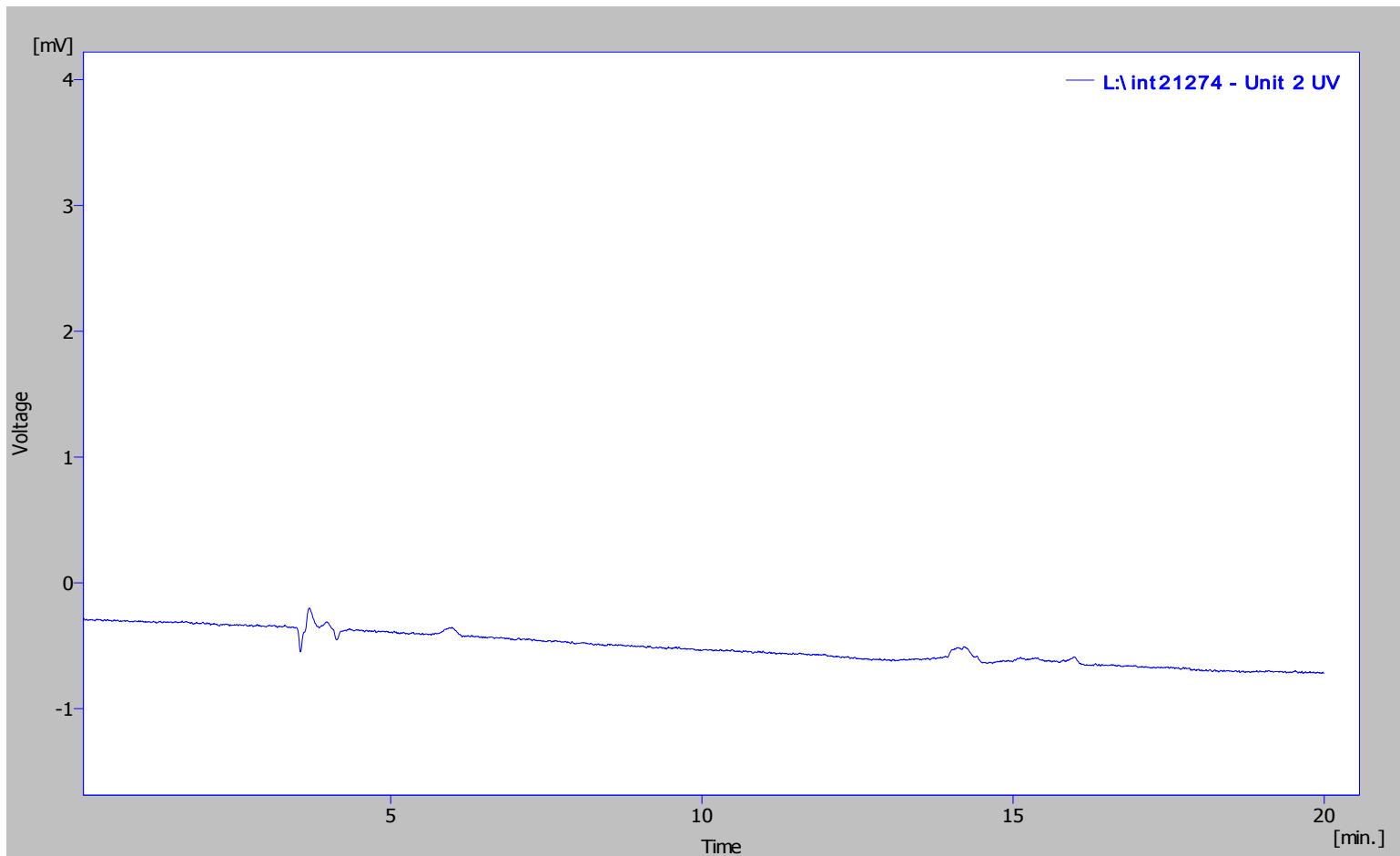
Result Table (Uncal - L:\int21275 - Unit 2 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		10.297	100.00	4444.370	187.823	100.000	4214.146
		Total	100.00	4444.370	187.823	100.000	

**M-1767**  
**5-Methyl-2'-deoxycytidine**  
**Lot 308-001-000-A-20110610-RT**

## Chromatogram Info:

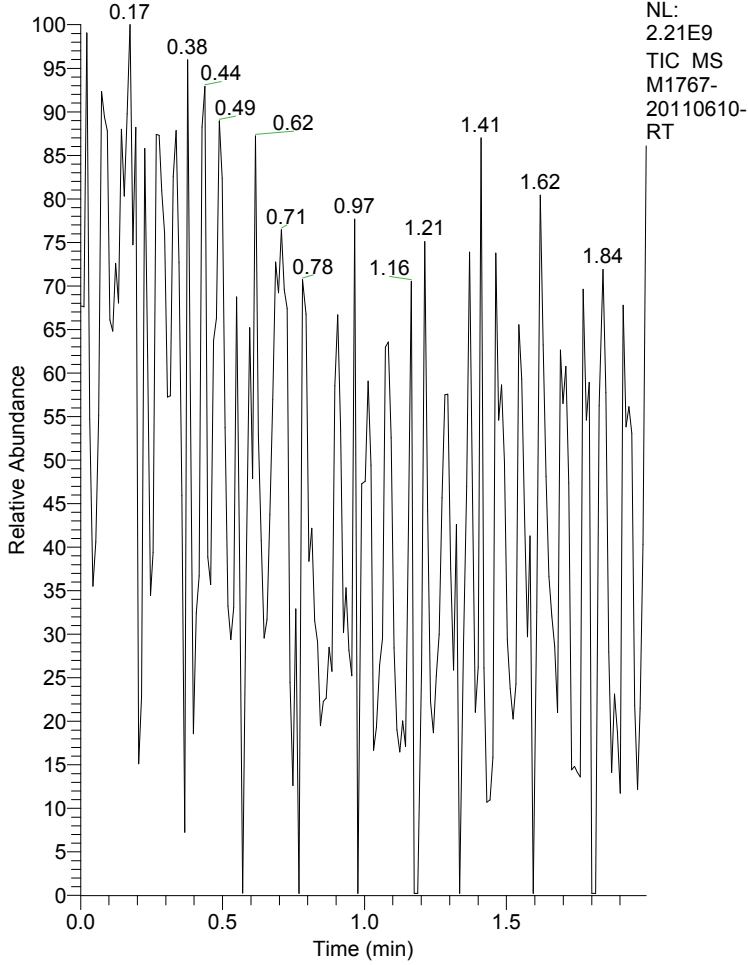
File Name	: L:\int21274	File Created	: 11/15/2013 4:03:57 PM
Origin	: Acquired, Acquisition started 8/24/2011 3:01:33 PM	Acquired Date	: 8/24/2011 3:21:33 PM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: UV trace of blank injection	Modified	: 11/15/2013 4:07 PM
Created	: 8/8/2007 9:12 AM		
Column	:	Detection	: UV 270nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



*Result Table (Uncal - L:\int21274 - Unit 2 UV)*

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

RT: 0.00 - 1.99



NL:  
2.21E9  
TIC MS  
M1767-  
20110610-  
RT

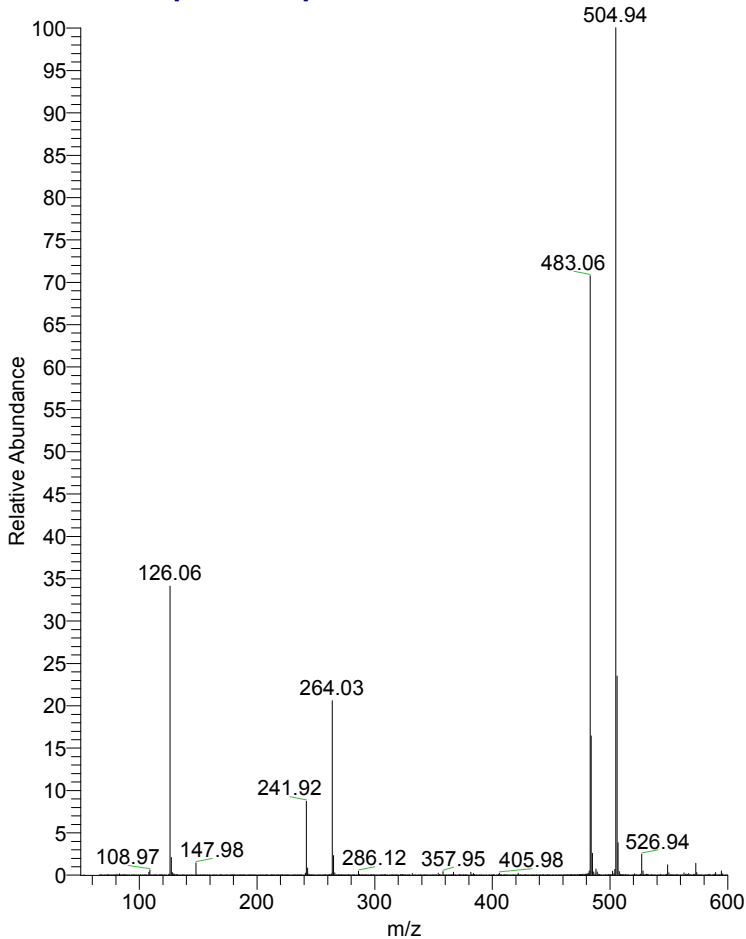
M1767-20110610-RT#1-193 RT: 0.00-1.99

T: + c NSI Full ms [50.00-600.00]

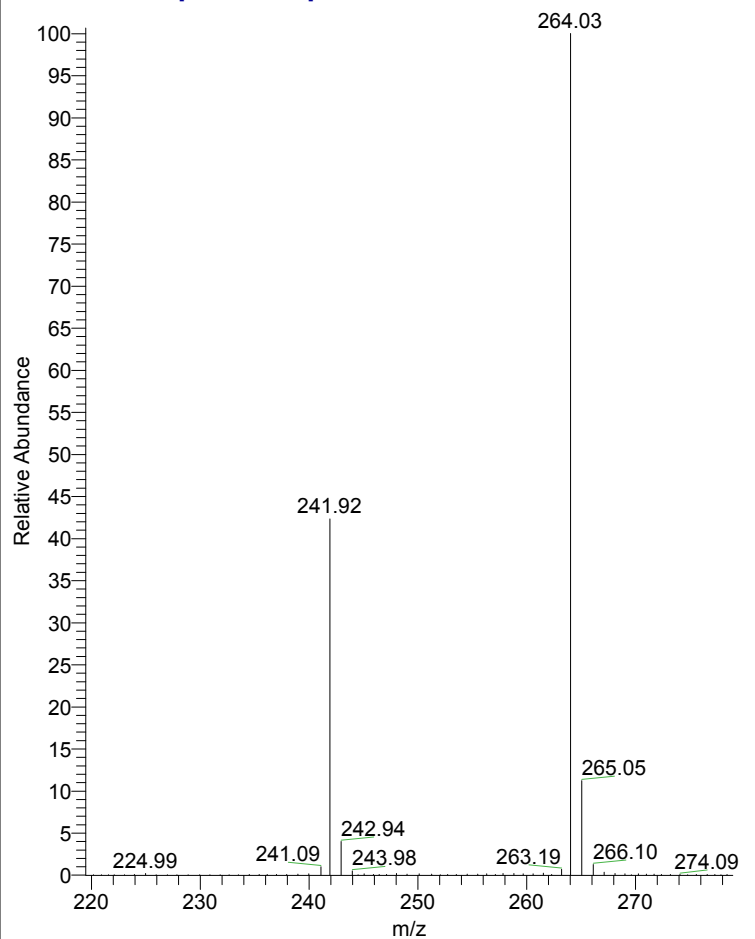
m/z= 231.19-271.21

m/z	Intensity	Relative
241.09	639582.6	0.95
241.92	28409066.5	42.29
242.94	2662919.3	3.96
243.98	312123.9	0.46
245.05	88137.2	0.13
248.02	106727.7	0.16
256.33	82468.4	0.12
257.82	126324.8	0.19
258.83	107008.7	0.16
259.66	82325.1	0.12
260.57	89257.3	0.13
261.53	131349.2	0.20
263.19	459361.0	0.68
264.03	67171307.4	100.00
265.05	7519712.8	11.19
266.10	820786.8	1.22
267.12	213626.2	0.32
268.10	102666.2	0.15
269.03	88331.2	0.13

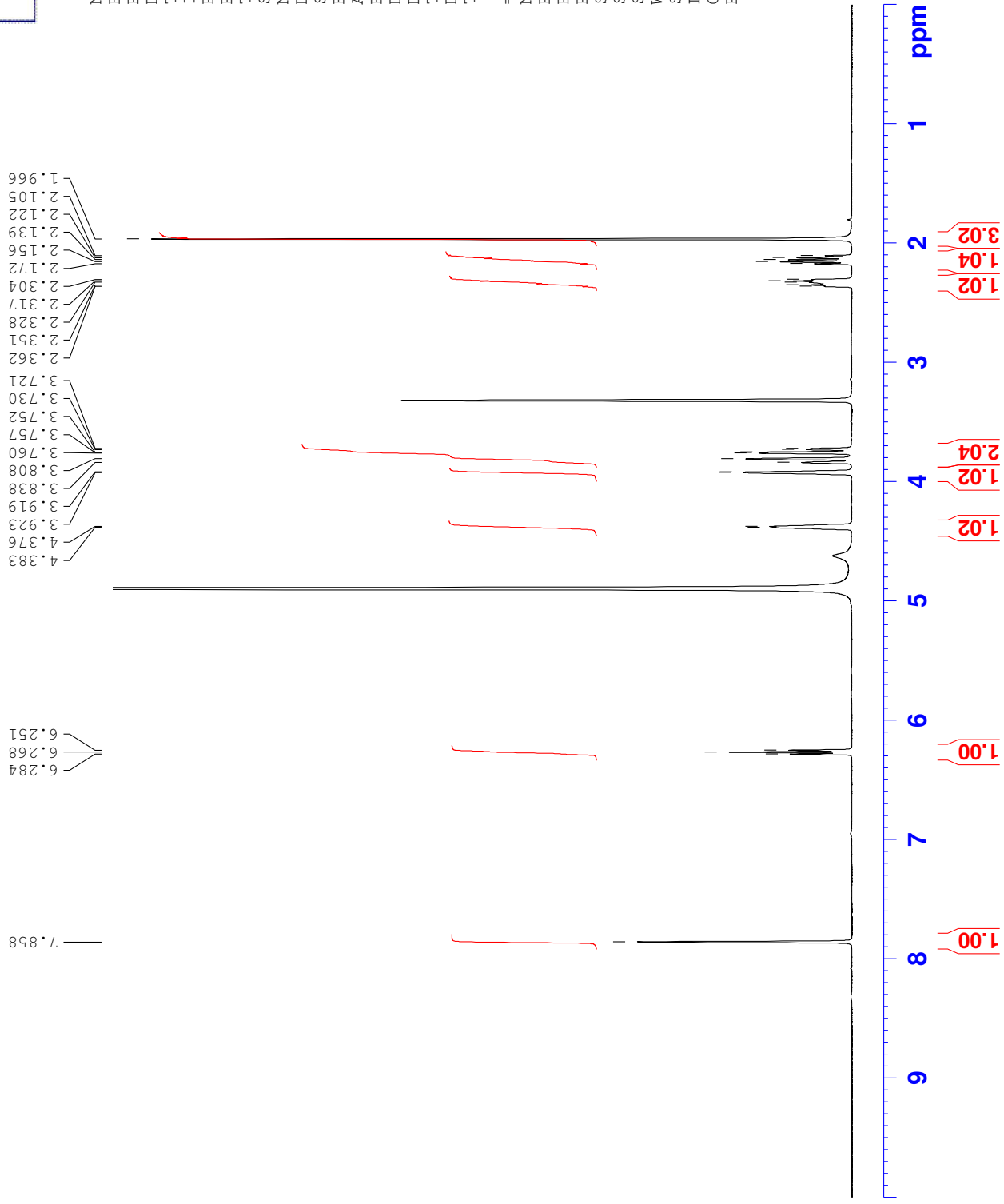
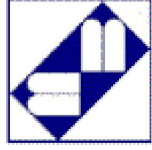
M1767-20110610-RT #1-193 RT: 0.00-1.99 AV: 193 NL: 3.27E8  
T: + c NSI Full ms [50.00-600.00]



M1767-20110610-RT #1-193 RT: 0.00-1.99 AV: 193 NL: 6.72E7  
T: + c NSI Full ms [50.00-600.00]



M1767 1H NMR in MeOD  
Batch 20110610-RT



```

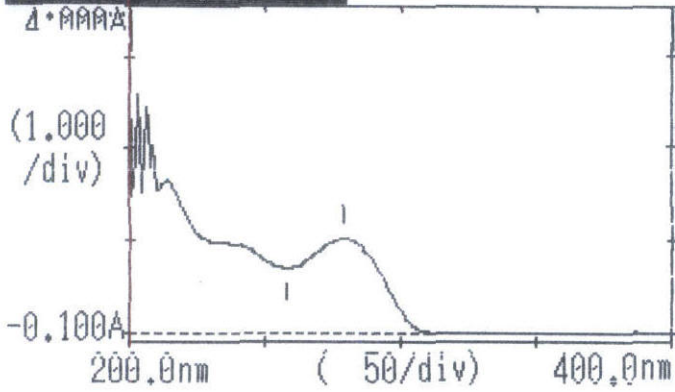
NAME M1767-20110610-RT
EXPNO 2
PROCNO 1
Date_ 20110824
Time 14.15
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 256
DS 2
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894966 sec
RG 574.7
DW 62.400 use
DE 6.50 use
TE 294.8 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.50 use
PL1 -0.70 dB
PL1W 10.03411102 W
SF01 400.1324710 MHz
SI 32768
SF 400.1300042 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

```



Peak/Valley Detect



Date: 2011/08/24 15:21:23  
Measure mode: Abs  
Scan range / nm: 400.0 - 200.0  
Scan pitch / nm: 1.0  
Scan speed: Fast  
Slit width / nm: 1.0

Peak  
279.00 1.036  
Valley  
258.00 0.702