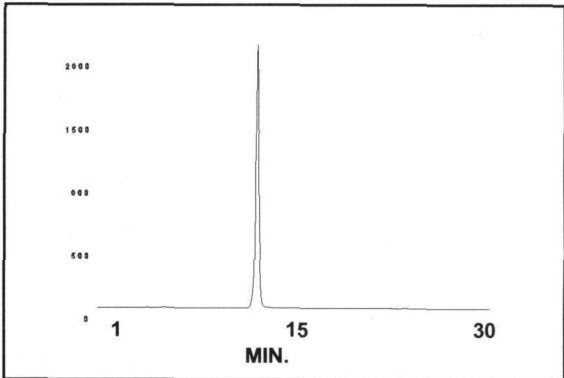
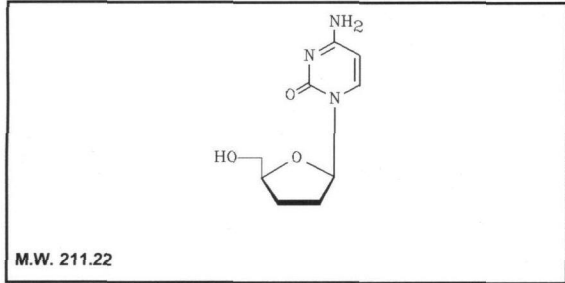




# Product Data Sheet

**M-1748**

## $\beta$ -D-2',3'-Dideoxycytidine



**Lot #:** 208-302-000-B-20110111-MH

**Packaged as:** Solid

**Date of Analysis:** March 02, 2011

**Chemical Purity @ 271nm:** 99.9%

HPLC ANALYSIS LOT 208-302-000-B-20110111-MH  
File Name: int20978 Date and Time: 3/2/2011 8:12:43 AM  
Unit 2 UV

Peak #	Area %	Time	Area
1	0.05	3.86330	1.63987
2	99.95	12.25670	3594.98778
Totals	100.00		3596.62765

**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-1748**

**$\beta$ -D-2',3'-Dideoxycytidine**

**Lot 208-302-000-B-20110111-MH**

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

**Concentrations and volumes:**

$\beta$ -D-2',3'-Dideoxycytidine solution concentration was 1.5 mg/ml.

Volume of  $\beta$ -D-2',3'-Dideoxycytidine injection was 1.0  $\mu$ l.

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

**B) Mass spectrometry – Positive mode**

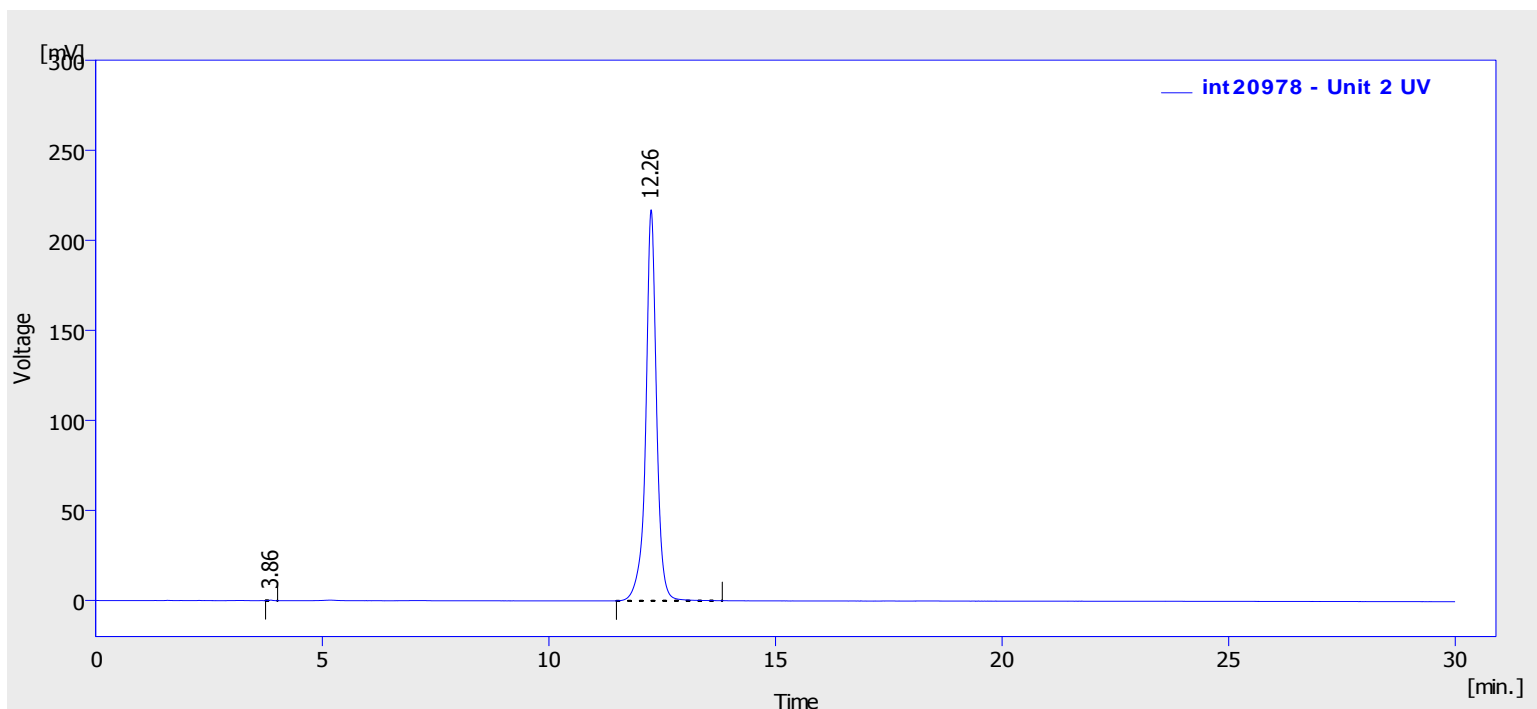
**C) NMR**

**D) UV spectrum**

**M-1748**  
 **$\beta$ -D-2',3'-Dideoxycytidine**  
**Lot 208-302-000-B-20110111-MH**

Chromatogram Info:

File Name	: int20978	File Created	: 3/2/2011 8:12:44 AM
Origin	: Acquired	Acquired Date	: 3/2/2011 8:12:43 AM
Project	: Test	By	: Administrator
Method	: Unit2-30minrun	By	: Administrator
Description	: UV trace of $\beta$ -D-2',3'-Dideoxycytidine	Modified	: 3/2/2011 10:43 AM
Created	: 7/20/2007 9:39 AM		
Column	:	Detection	: UV 271nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



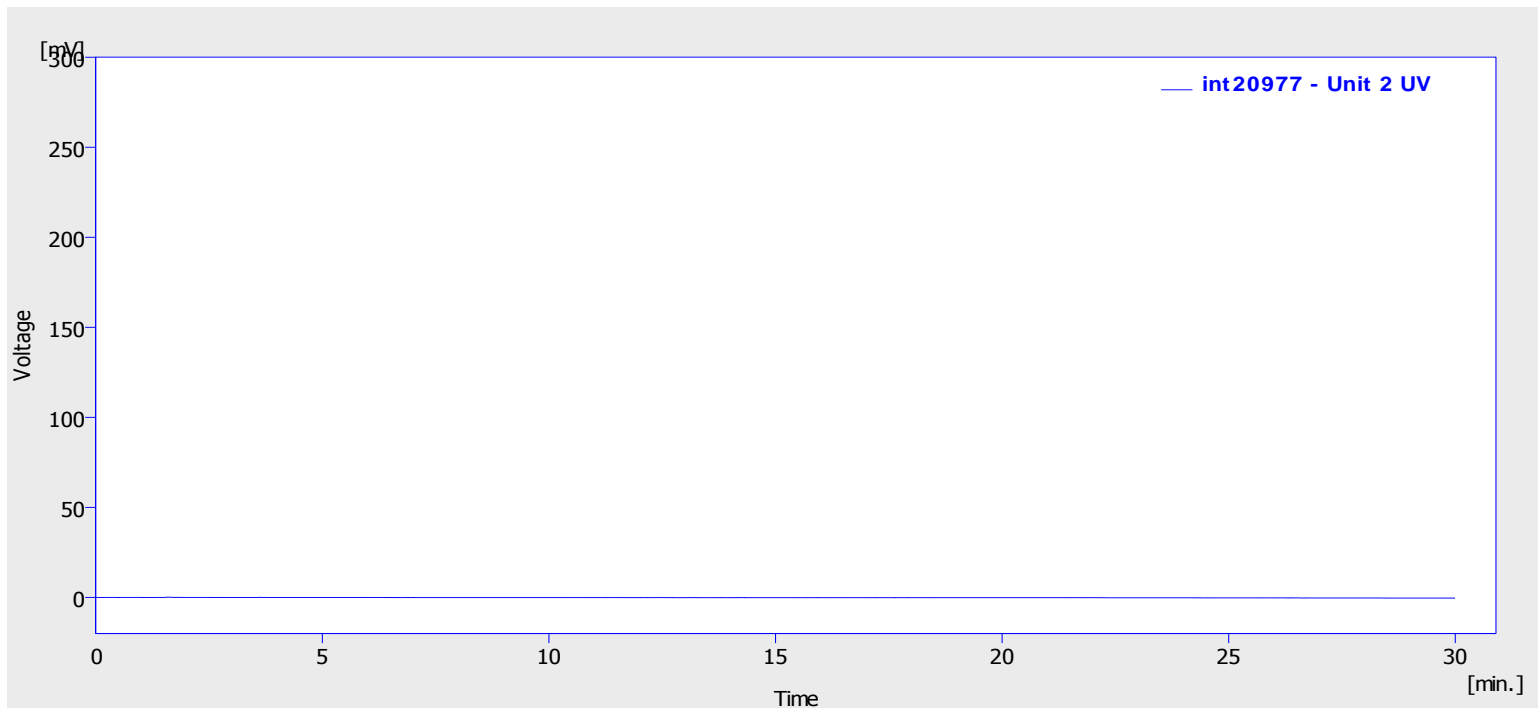
Result Table (Uncal - int20978 - Unit 2 UV)

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	3.863	1.640	0.305	0.05	0.1	0.08
2	12.257	3594.988	217.171	99.95	99.9	0.23
	Total	3596.628	217.476	100.00	100.0	

**M-1748**  
 **$\beta$ -D-2',3'-Dideoxycytidine**  
**Lot 208-302-000-B-20110111-MH**

## Chromatogram Info:

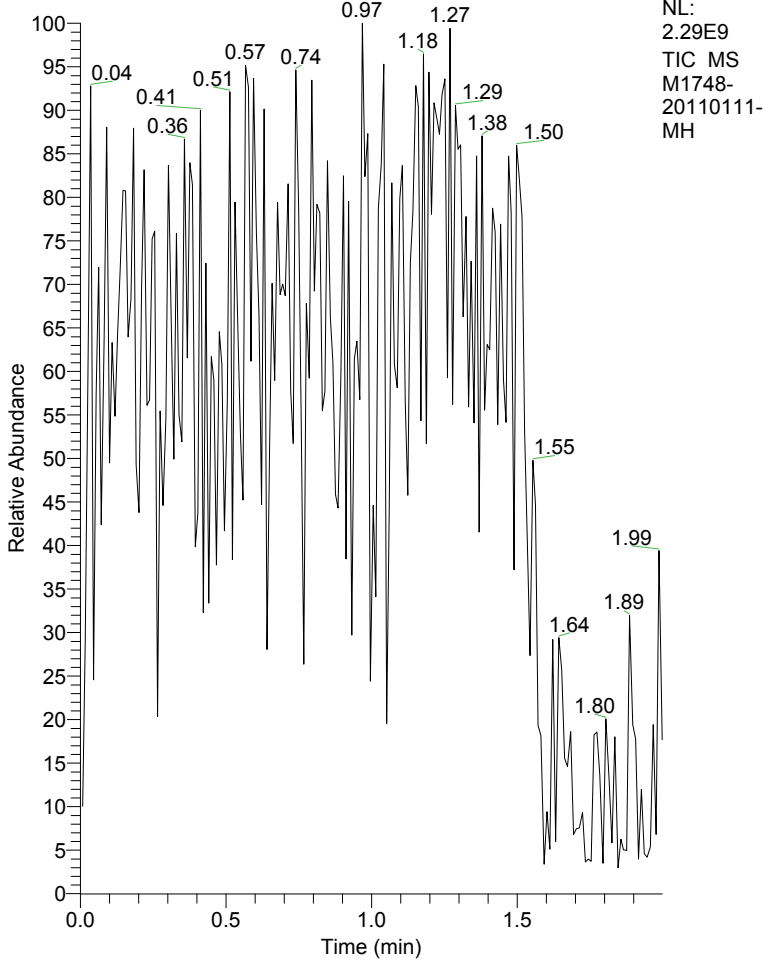
File Name	: int20977	File Created	: 3/1/2011 3:59:34 PM
Origin	: Acquired	Acquired Date	: 3/1/2011 3:59:34 PM
Project	: Test	By	: Administrator
Method	: Unit2-30minrun	By	: Administrator
Description	: UV trace of blank injection	Modified	: 3/2/2011 10:45 AM
Created	: 7/20/2007 9:39 AM		
Column	:	Detection	: UV 271nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



*Result Table (Uncal - int20977 - Unit 2 UV)*

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

RT: 0.00 - 2.00



NL: 2.29E9  
TIC MS  
M1748-20110111-MH

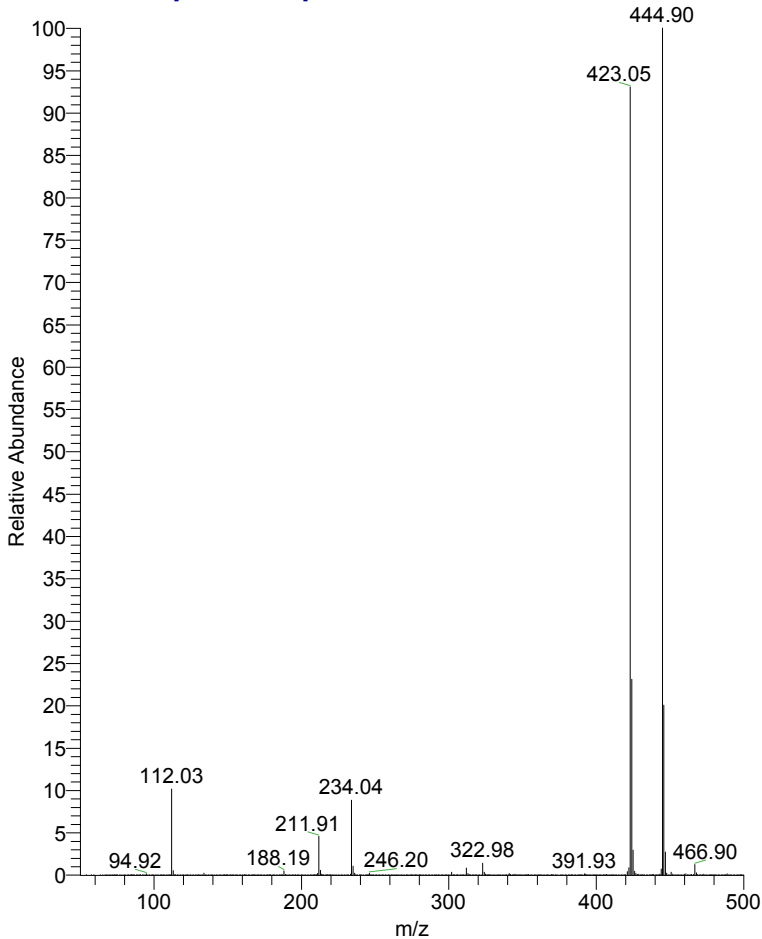
M1748-20110111-MH#1-214 RT: 0.01-2.00 AV:

T: + c NSI Full ms [50.00-500.00]

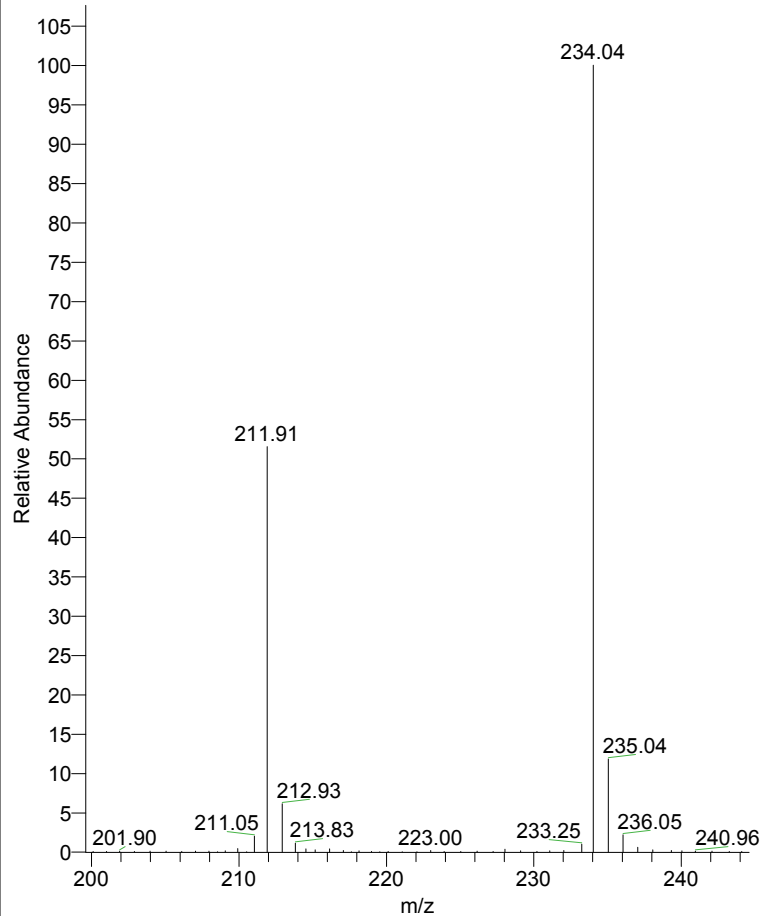
m/z = 206.65-243.86

m/z	Intensity	Relative
209.93	174847.5	0.45
211.05	781733.9	2.00
211.91	20148548.6	51.51
212.93	2401309.5	6.14
213.83	436930.9	1.12
214.54	144224.9	0.37
215.17	108436.0	0.28
216.15	154713.9	0.40
217.07	67835.3	0.17
223.00	67825.5	0.17
228.04	142521.9	0.36
231.07	62397.4	0.16
232.05	69338.8	0.18
233.25	394100.8	1.01
234.04	39112242.7	100.00
235.04	4615386.9	11.80
236.05	848716.9	2.17
237.05	231568.1	0.59
238.06	110919.3	0.28
239.33	72142.3	0.18

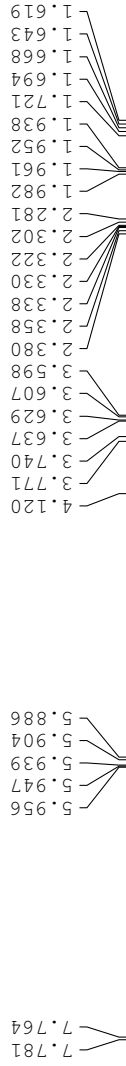
M1748-20110111-MH #1-214 RT: 0.01-2.00 AV: 214 NL: 4.43E8  
T: + c NSI Full ms [50.00-500.00]



M1748-20110111-MH #1-214 RT: 0.01-2.00 AV: 214 NL: 3.91E7  
T: + c NSI Full ms [50.00-500.00]

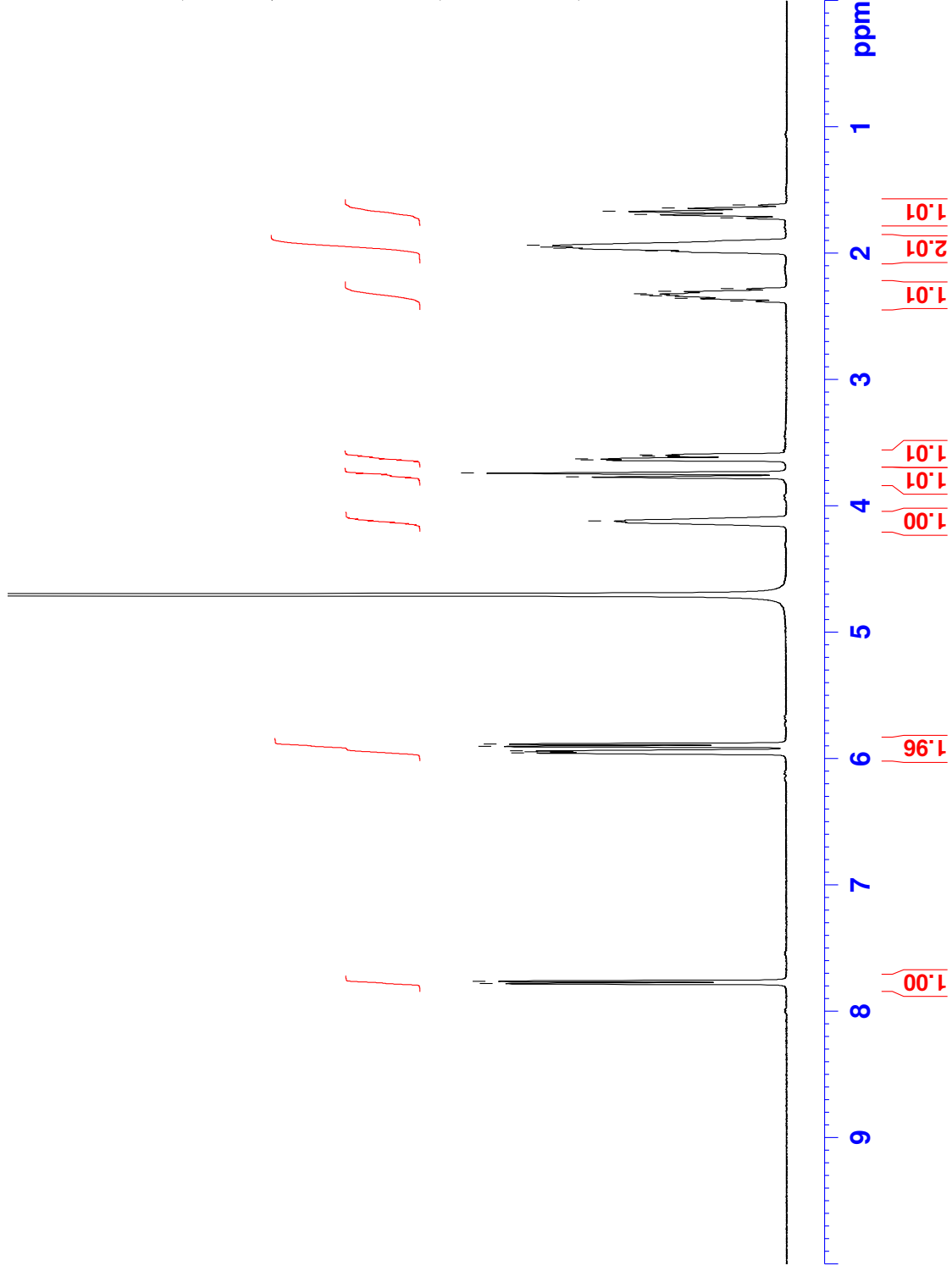


M1748 1H NMR in D2O  
Batch 20110111-MH



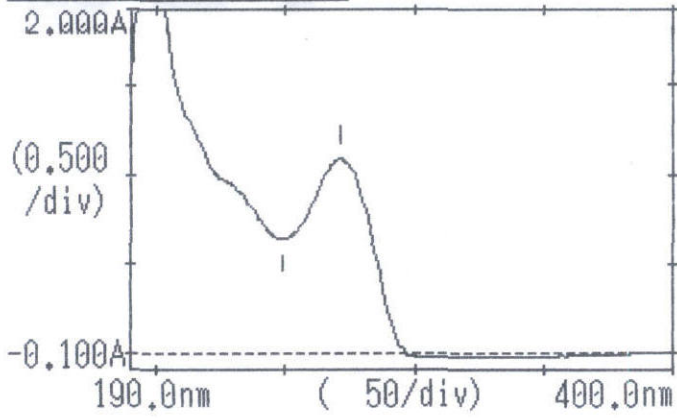
NAME M1748-20110111-MH  
EXPNO 1  
PROCNO 1  
Date\_ 20110301  
Time 16.17  
INSTRUM spect  
PROBHD 5 mm PABBO BB-  
PULPROG zg30  
TD 65536  
SOLVENT D2O  
NS 353  
DS 2  
SWH 6410.256 Hz  
FIDRES 0.097813 Hz  
AQ 5.1118579 sec  
RG 45.3  
DW 78.000 use  
DE 6.50 use  
TE 293.6 K  
D1 1.00000000 sec  
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 400.1300000 MHz  
WDW no  
SSB 0  
LB 0.00 Hz  
GB 0  
PC 1.00





Peak/Valley Detect



Date: 2011/03/02 08:36:07  
Measure mode: Abs  
Scan range / nm: 400.0 - 190.0  
Scan pitch / nm: 1.0  
Scan speed: Fast  
Slit width / nm: 1.0

Peak  
271.00 1.096  
Valley  
307.00 -0.030  
249.00 0.644