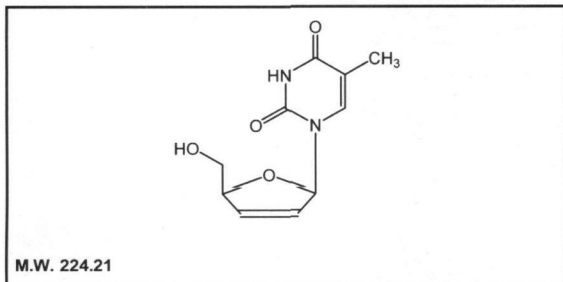




Product Data Sheet

M-820

3'-Deoxy 2',3'-didehydrothymidine

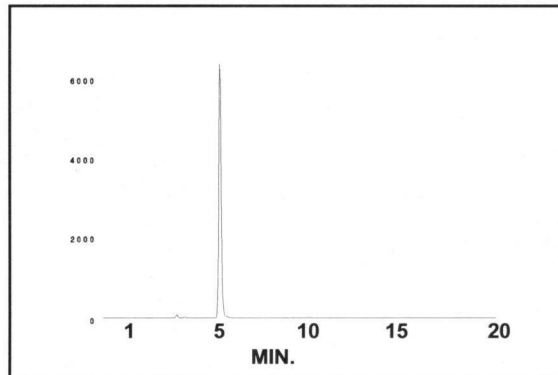


Lot #: 208-220-000-T-20041022-Q

Packaged as: Solid

Date of Analysis: September 20, 2012

Chemical Purity @ 266nm: 98.6%



HPLC ANALYSIS LOT 208-220-000-T-20041022-Q

File Name: int43585 Date and Time: 9/20/2012 11:02:35 A

Unit 4 UV

Peak #	Area %	Time	Area
1	0.90	3.79330	51.06180
2	0.26	4.17670	14.61378
3	0.02	5.08000	1.13280
4	98.65	5.99000	5578.13147
5	0.01	7.04670	0.73341
6	0.16	10.52670	9.04389
Totals	100.00		5654.71715

Stability and Storage Recommendation: The rate of decomposition is approximately 0.1%/month for the first six months after purification when stored 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-820

3'-Deoxy 2',3'-didehydrothymidine

Lot 208-220-000-T-20041022-Q

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

Concentrations and volumes:

3'-Deoxy 2',3'-didehydrothymidine concentration was 1.0 mg/ml.

Volume of **3'-Deoxy 2',3'-didehydrothymidine** injection was 1.0 µl.

Volume of blank injection was 1.0 µl.

B) Mass spectrometry – Positive mode

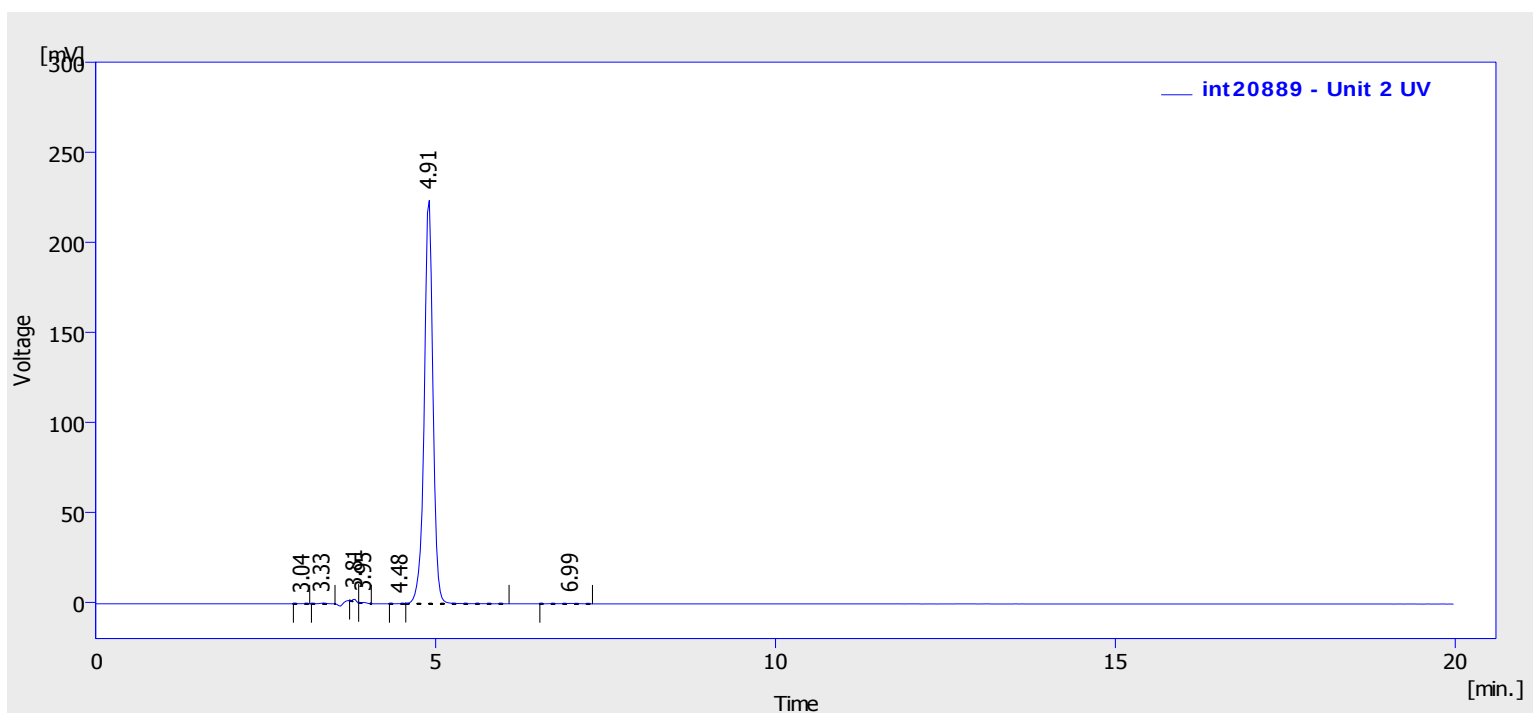
C) NMR

D) UV spectrum

M-820
3'-Deoxy 2',3'-didehydrothymidine
Lot 208-220-000-T-20041022-Q

Chromatogram Info:

File Name	: int20889	File Created	: 1/13/2011 10:20:45 AM
Origin	: Acquired	Acquired Date	: 1/13/2011 10:20:45 AM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: UV trace of 3'-Deoxy 2',3'-didehydrothymidine		
Created	: 8/8/2007 9:12 AM	Modified	: 1/17/2011 8:39 AM
Column	: Supelco Discovery C18 4.6 x 250mm	Detection	: 266nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



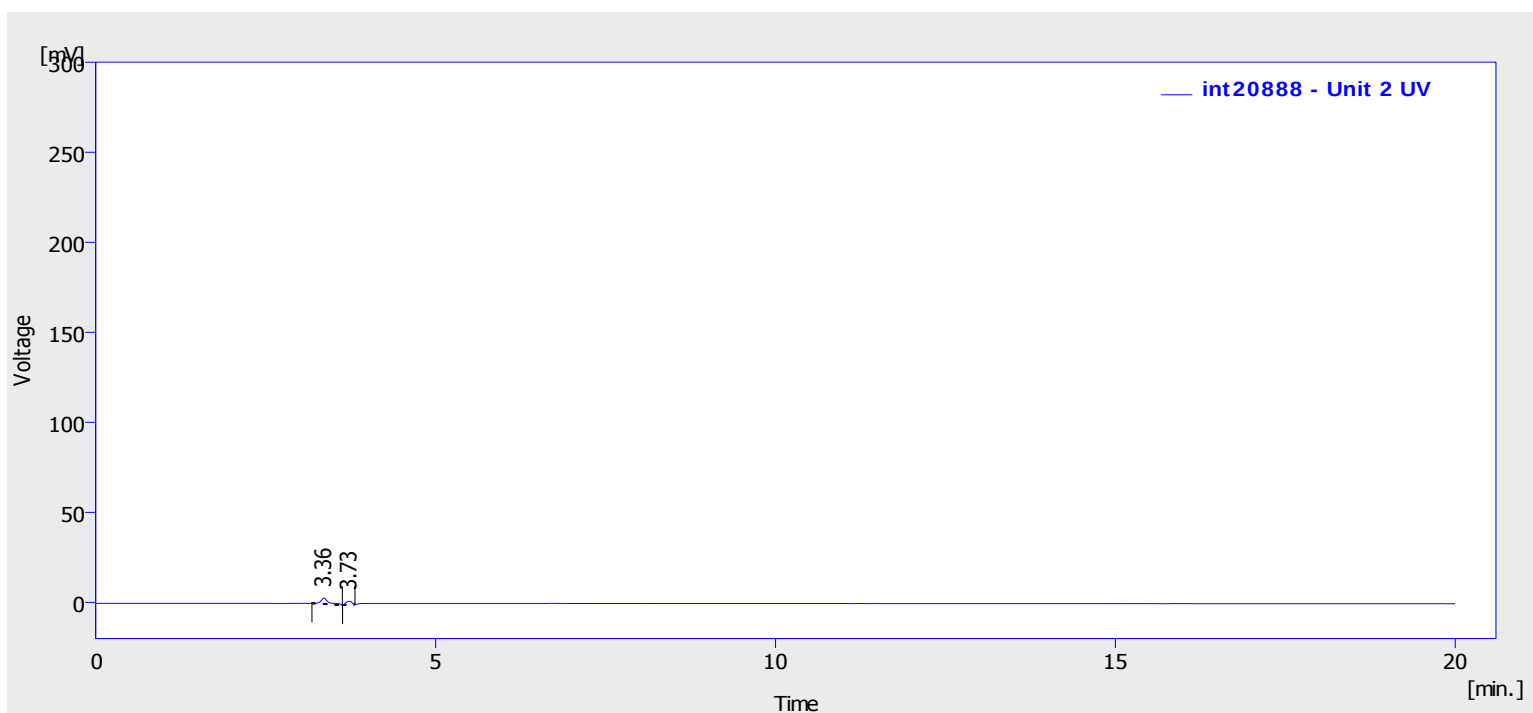
Result Table (Uncal - int20889 - Unit 2 UV)

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	3.040	0.372	0.054	0.02	0.0	0.13
2	3.333	3.000	0.394	0.15	0.2	0.13
3	3.813	5.957	1.465	0.29	0.6	0.08
4	3.947	2.455	0.481	0.12	0.2	0.11
5	4.480	0.542	0.069	0.03	0.0	0.16
6	4.907	2008.902	224.009	99.20	98.8	0.16
7	6.987	3.906	0.222	0.19	0.1	0.24
	Total	2025.133	226.694	100.00	100.0	

M-820
3'-Deoxy 2',3'-didehydrothymidine
Lot 208-220-000-T-20041022-Q

Chromatogram Info:

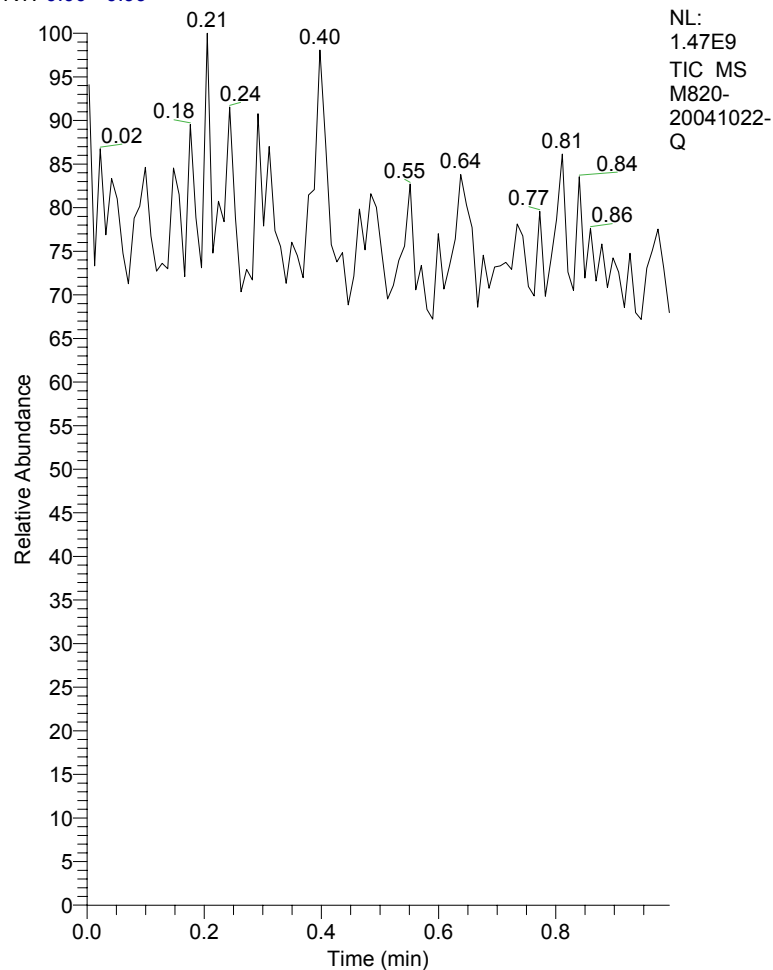
File Name	: int20888	File Created	: 1/13/2011 10:00:00 AM
Origin	: Acquired	Acquired Date	: 1/13/2011 10:00:00 AM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: UV trace of blank injection		
Created	: 8/8/2007 9:12 AM	Modified	: 1/17/2011 8:42 AM
Column	: Supelco Discovery C18 4.6 x 250mm	Detection	: 266nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - int20888 - Unit 2 UV)

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	3.357	27.681	3.270	70.65	62.8	0.10
2	3.730	11.497	1.939	29.35	37.2	0.10
	Total	39.178	5.209	100.00	100.0	

RT: 0.00 - 0.99



M820-20041022-Q#1-104 RT: 0.00-0.99 AV:

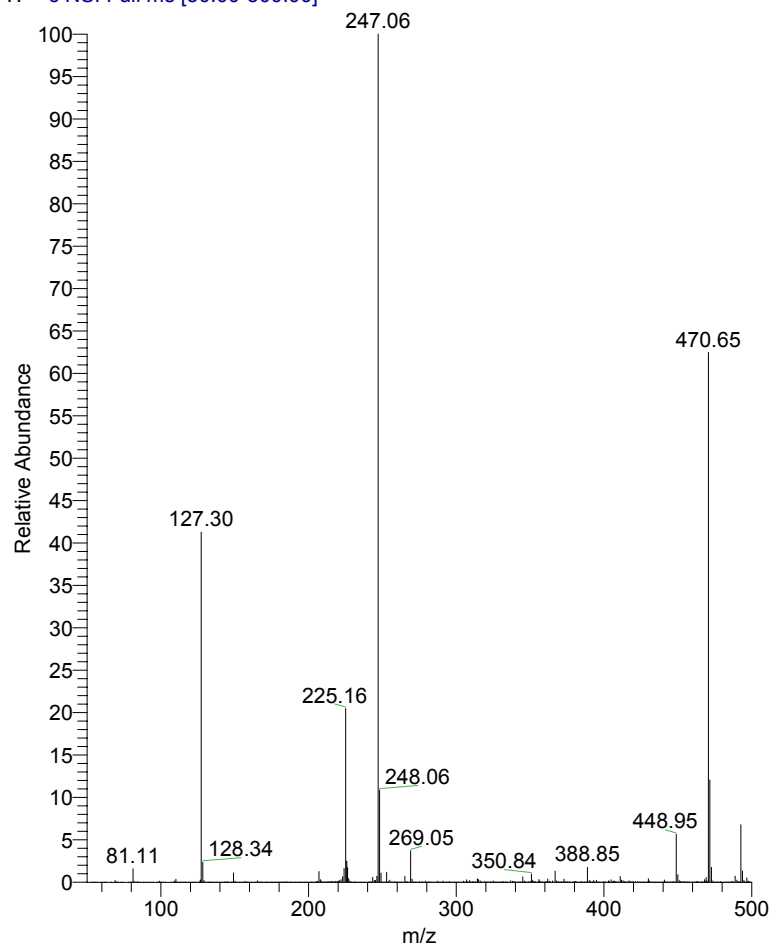
T: + c NSI Full ms [50.00-500.00]

m/z= 223.98-226.31

m/z	Intensity	Relative
224.04	5803056.4	7.86
225.16	73850072.0	100.00
225.83	8945621.1	12.11

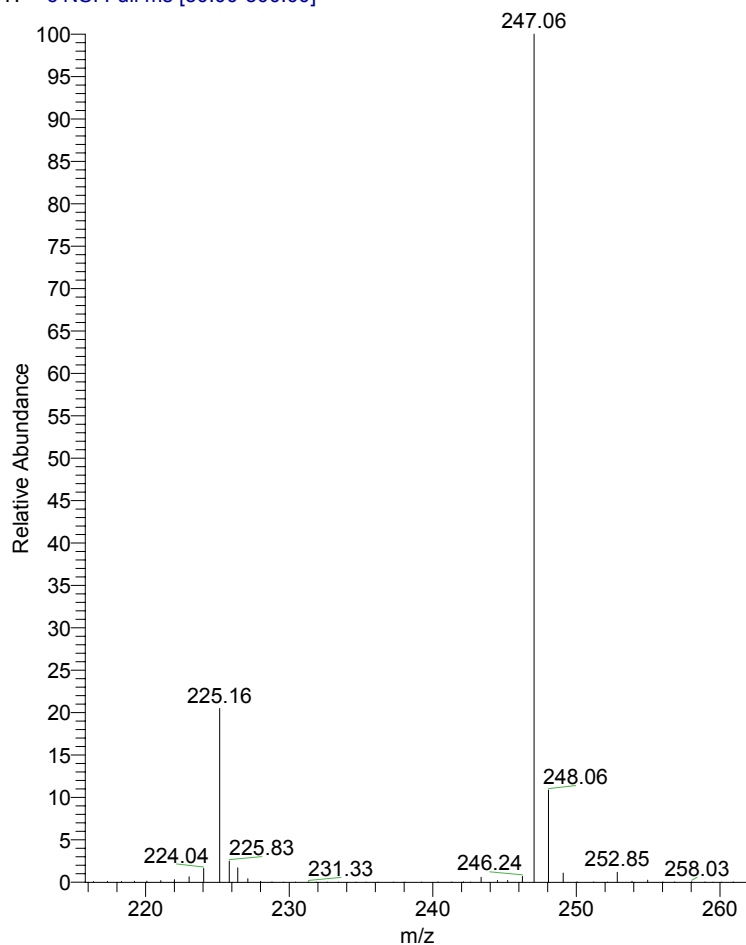
M820-20041022-Q #1-104 RT: 0.00-0.99 AV: 104 NL: 3.61E8

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

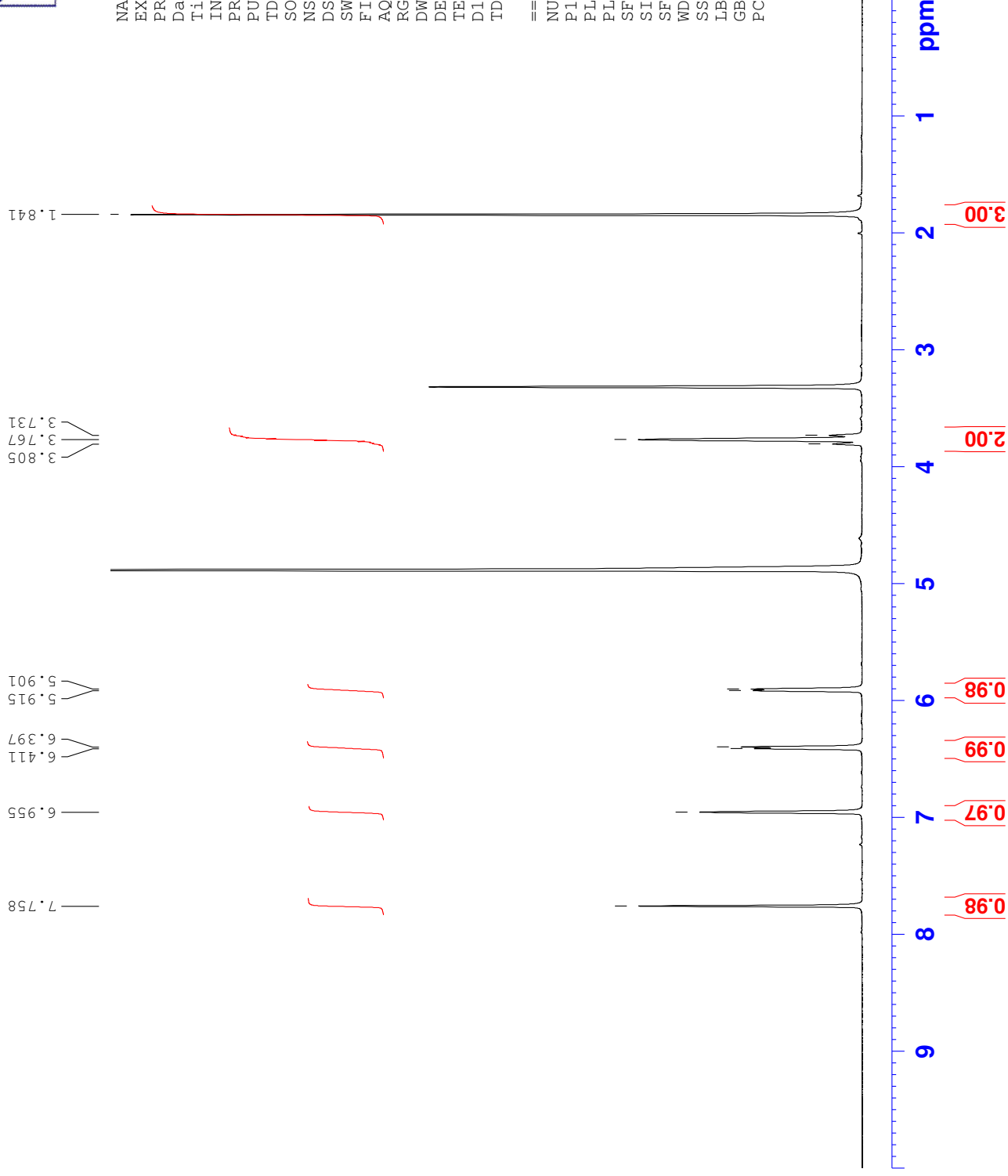


M820-20041022-Q #1-104 RT: 0.00-0.99 AV: 104 NL: 3.61E8

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



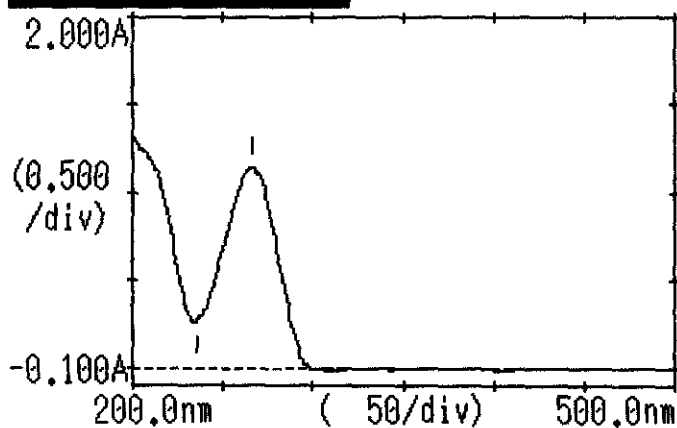
M820 1H NMR in MeOD
Batch 20041022-Q



NAME M820
EXPNO 1
PROCNO 1
Date_ 20090714
Time 10.43
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 512
DS 0
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 362
DW 60.400 usec
DE 6.50 usec
TE 295.1 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 400.1300052 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

Peak Valley Detect



Date: 2011/01/14 09:02:14
 Measure mode: Abs
 Scan range / nm: 500.0 - 200.0
 Scan pitch / nm: 1.0
 Scan speed: Fast
 Slit width / nm: 1.0

Peak
 266.00 1.142
 Valley
 402.00 -0.011
 235.00 0.267