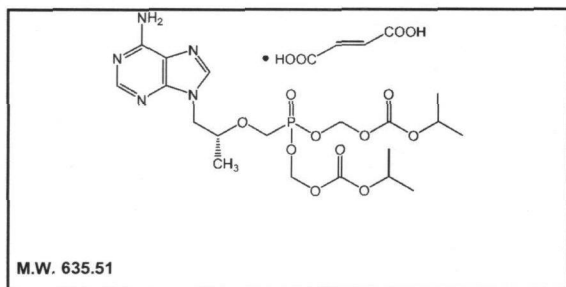




Product Data Sheet

M-1725

Tenofovir disoproxil fumarate

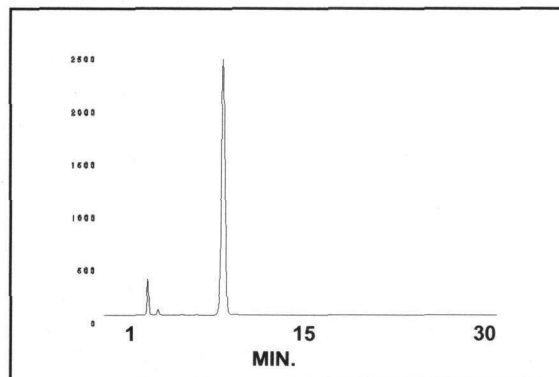


Lot #: 208-264-000-ICI-20080222-Q

Packaged as: Solid

Date of Analysis: August 23, 2011

Chemical Purity @ 260nm: 93.1%



HPLC ANALYSIS LOT 208-264-000-ICI-20080222-Q
File Name: int21273 Date and Time: 8/23/2011 1:44:45 PM
Unit 2 UV

Peak #	Area %	Time	Area
1	5.92	3.39670	307.32793
2	0.95	4.17670	49.22260
3	93.13	9.17670	4836.33303
Totals	100.00		5192.88356

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-1725

Tenofovir disoproxil fumarate

Lot 208-264-000-ICI-20080222-Q

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

Concentrations and volumes:

Tenofovir disoproxil fumarate solution concentration was 1.5 mg/ml.

Volume of **Tenofovir disoproxil fumarate** injection was 2.0 μ l.

Volume of blank injection was 2.0 μ l.

B) Mass spectrometry – Positive mode

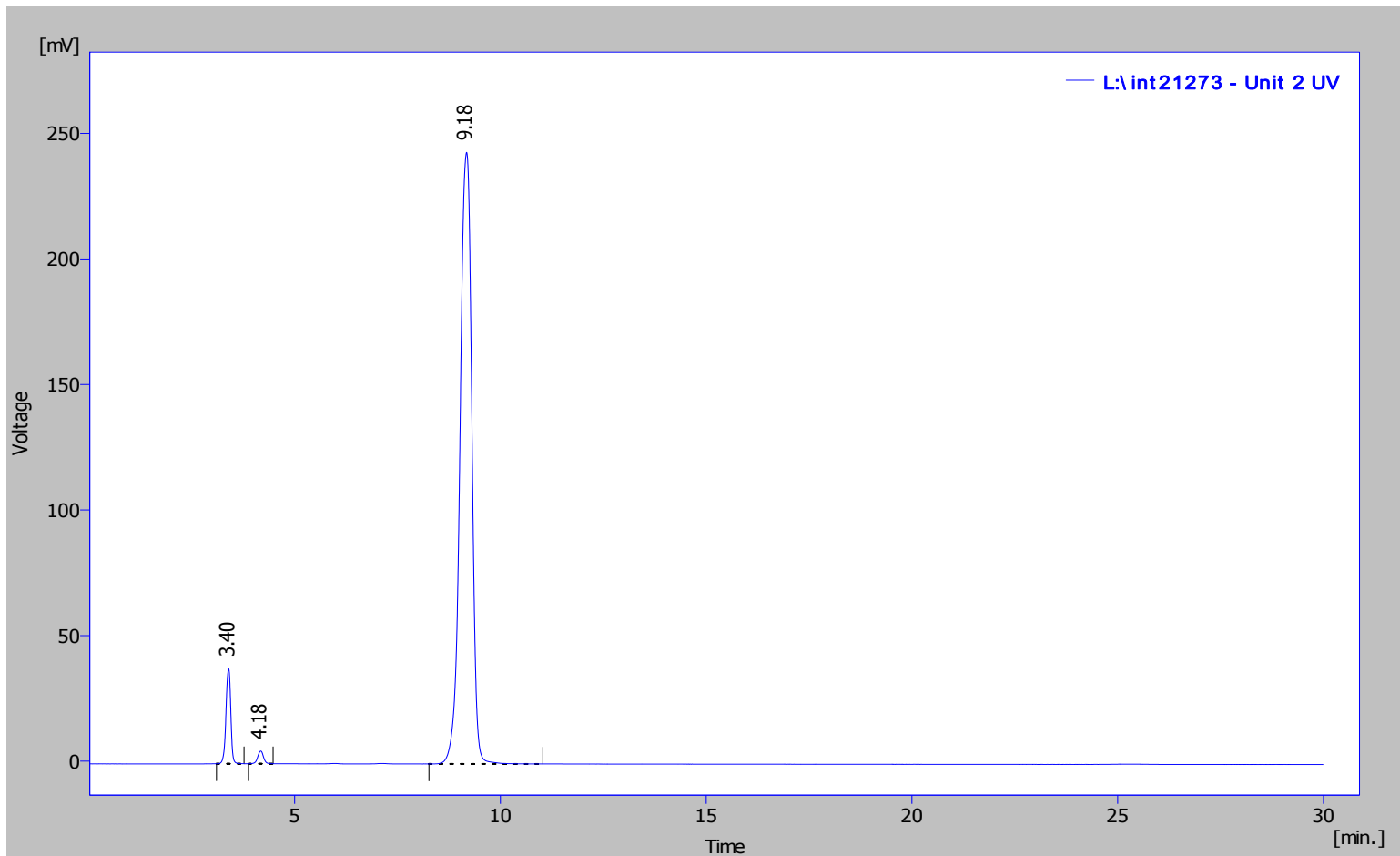
C) NMR

D) UV Spectrum

M-1725
Tenofovir disoproxil fumarate
Lot 208-264-000-ICI-20080222-Q

Chromatogram Info:

File Name	: L:\int21273	File Created	: 11/14/2013 12:19:54 PM
Origin	: Acquired, Acquisition started 8/23/2011 1:14:46 PM	Acquired Date	: 8/23/2011 1:44:45 PM
Project	: Test	By	: Administrator
Method	: Unit2-30minrun	By	: Administrator
Description	: UV trace of Tenofovir disoproxil fumarate	Modified	: 11/14/2013 12:26 PM
Created	: 7/20/2007 9:39 AM		
Column	:	Detection	: UV 260nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



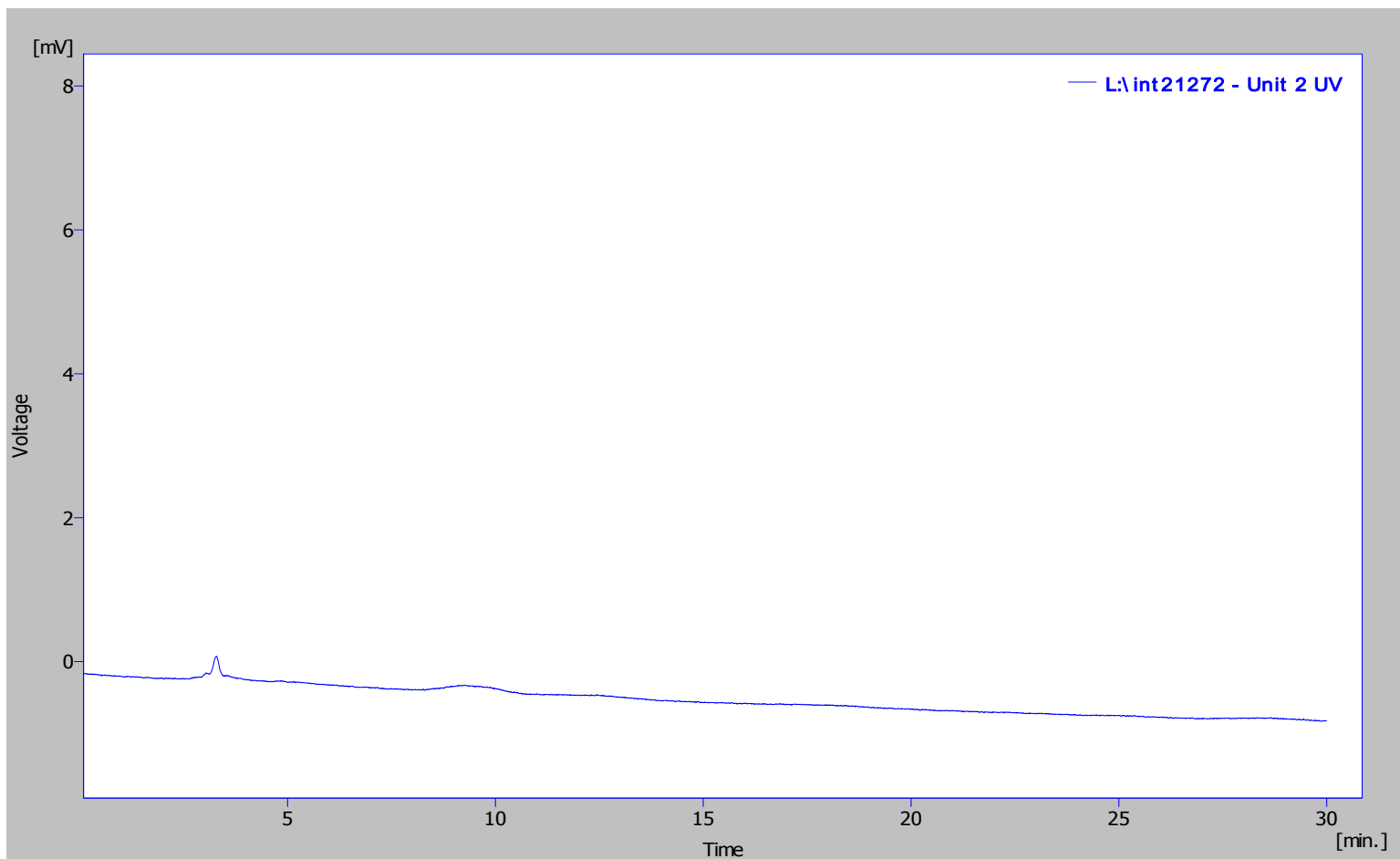
Result Table (Uncal - L:\int21273 - Unit 2 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		3.397	5.92	307.725	37.810	13.199	3983.740
2		4.177	0.95	49.438	5.062	1.767	4295.234
3		9.177	93.13	4845.107	243.587	85.034	4854.632
		Total	100.00	5202.270	286.459	100.000	

M-1725
Tenofovir disoproxil fumarate
Lot 208-264-000-ICI-20080222-Q

Chromatogram Info:

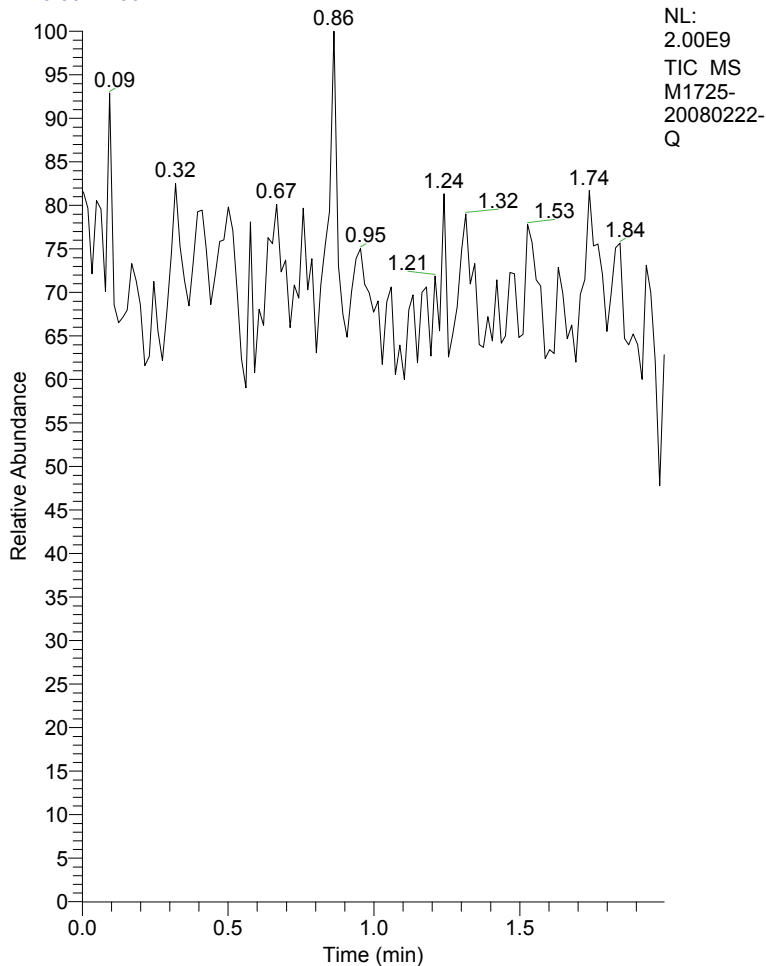
File Name	: L:\int21272	File Created	: 11/14/2013 12:19:54 PM
Origin	: Acquired, Acquisition started 8/23/2011 12:24:14 PM	Acquired Date	: 8/23/2011 12:54:13 PM
Project	: Test	By	: Administrator
Method	: Unit2-30minrun	By	: Administrator
Description	: UV trace of blank injection	Modified	: 11/14/2013 12:22 PM
Created	: 7/20/2007 9:39 AM		
Column	:	Detection	: UV 260nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\int21272 - 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 - 1.99



M1725-20080222-Q#1-133 RT: 0.00-1.99 AV:

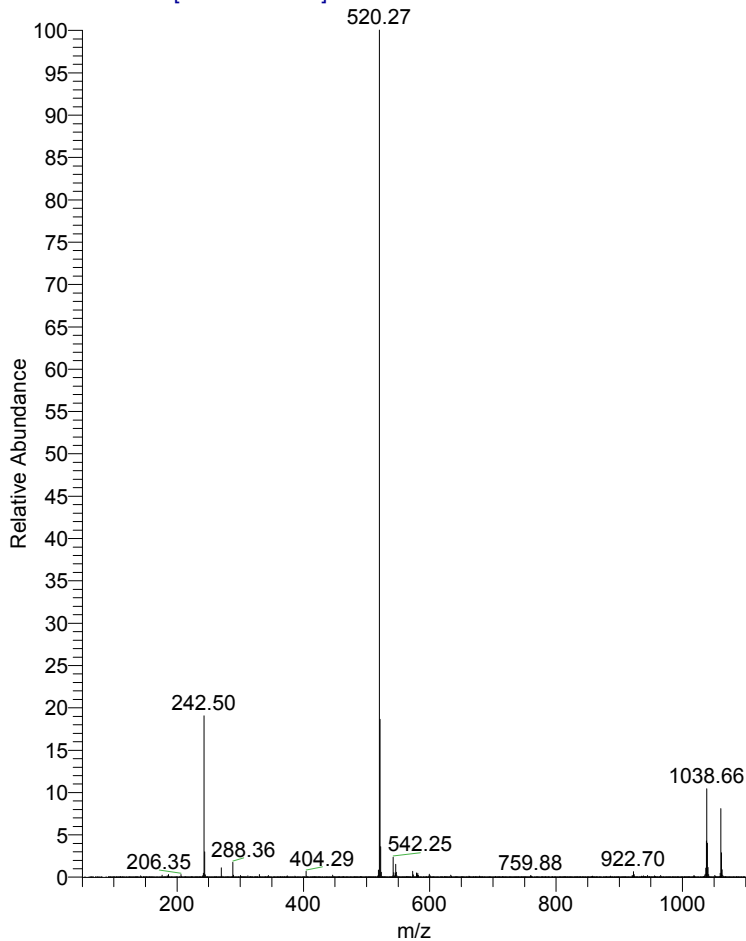
T: + c ESI Full ms [50.00-1100.00]

m/z = 509.22-539.55

m/z	Intensity	Relative
519.61	304356.1	0.05
520.27	671000579.4	100.00
521.34	124808458.5	18.60
522.35	23837988.4	3.55
523.32	3714504.9	0.55
524.30	482741.0	0.07
525.40	50598.2	0.01
526.43	59455.1	0.01
527.75	42715.3	0.01
528.64	227421.3	0.03
529.36	297831.7	0.04
530.45	137586.3	0.02
532.28	102591.7	0.02
534.24	125690.6	0.02

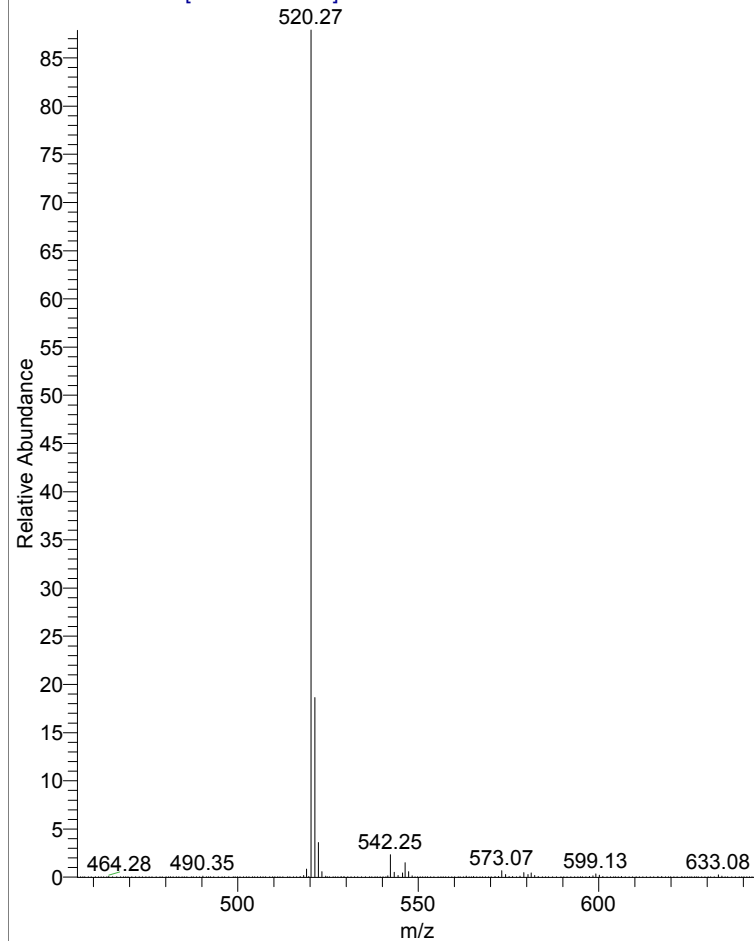
M1725-20080222-Q #1-133 RT: 0.00-1.99 AV: 133 NL: 6.71E8

T: + c ESI Full ms [50.00-1100.00]



M1725-20080222-Q #1-133 RT: 0.00-1.99 AV: 133 NL: 6.71E8

T: + c ESI Full ms [50.00-1100.00]



M1725 1H NMR in MeOD
Batch 20080222-Q



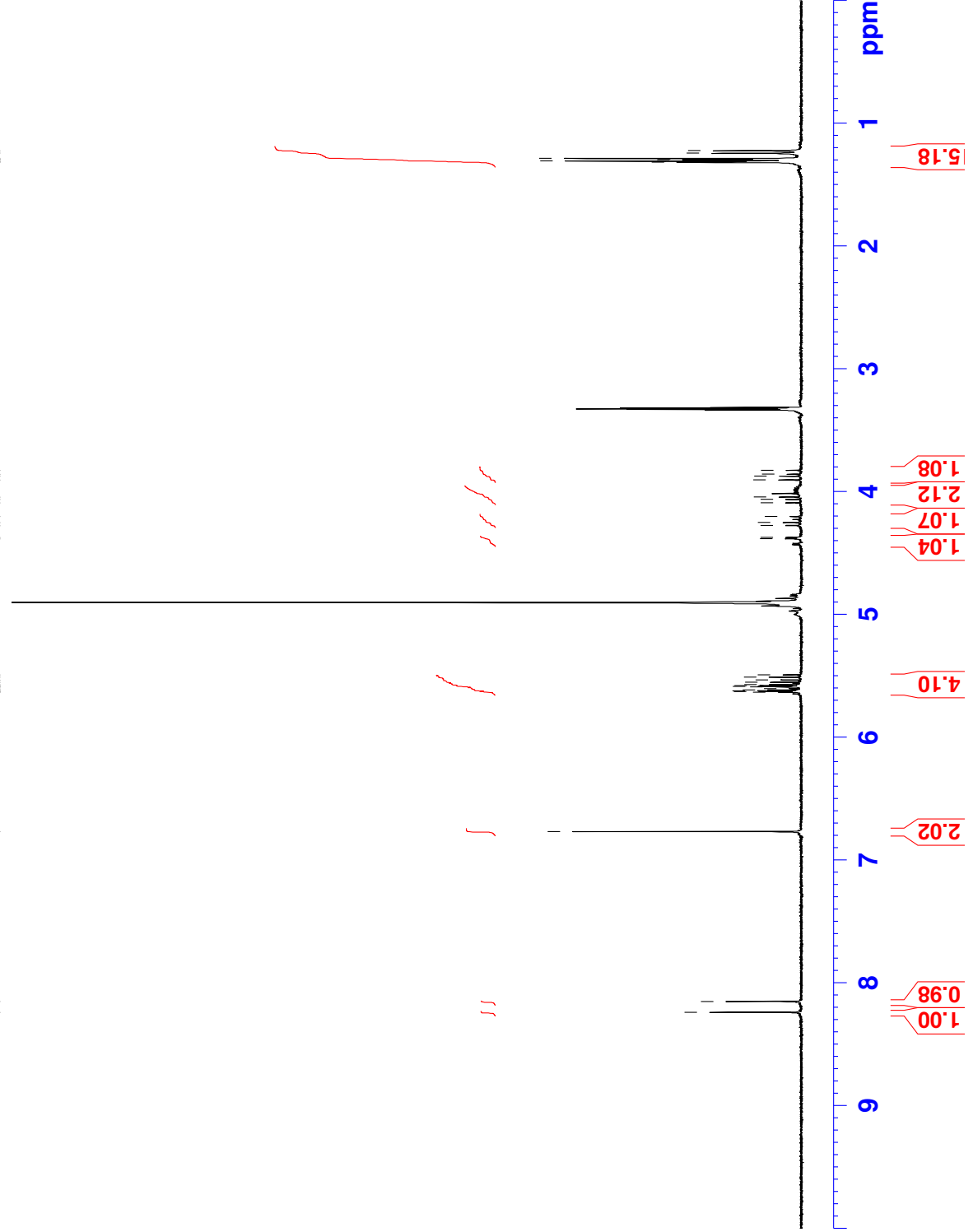
8.241
8.153
6.769
6.635
6.629
6.623
5.616
5.606
5.591
5.587
5.581
5.573
5.553
5.534
5.512
5.493
4.384
4.374
4.276
4.252
4.203
4.092
4.064
4.045
3.905
3.874
3.858
3.827
1.318
1.315
1.308
1.297
1.294
1.287
1.244
1.224

Current Data Parameters
NAME M1725
EXPNO 1
PROCNO 1

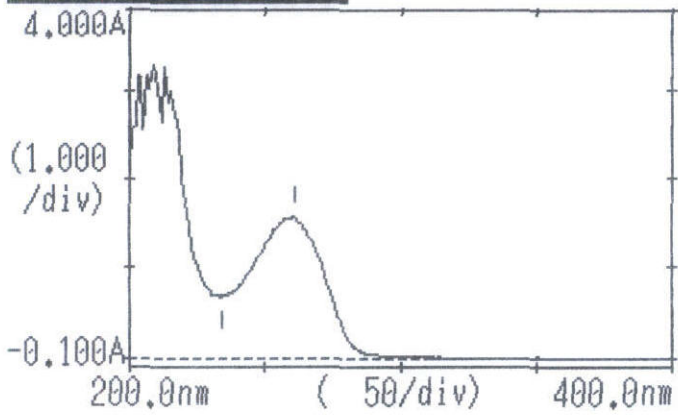
F2 - Acquisition Parameter
Date_ 20090319
Time 11.36
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 500
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 se
RG 362
DW 81.000 us
DE 6.00 us
TE 300.0 K
D1 1.00000000 se
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 10.25 us
PL1 0.00 dB
SFO1 300.1318534 MH

F2 - Processing parameters
SI 32768
SF 300.1300000 MH
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00



Peak/Valley Detect



Date: 2011/08/23 14:32:01
Measure mode: Abs
Scan range / nm: 400.0 - 200.0
Scan pitch / nm: 1.0
Scan speed: Fast
Slit width / nm: 1.0

Peak
261.00 1.564
Valley
234.00 0.688