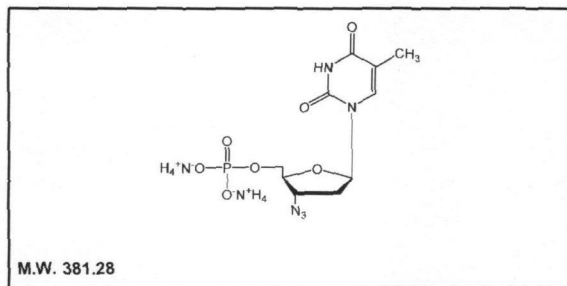




Product Data Sheet

M-738

3'-Azido-3'-deoxythymidine 5'-monophosphate, diammonium salt

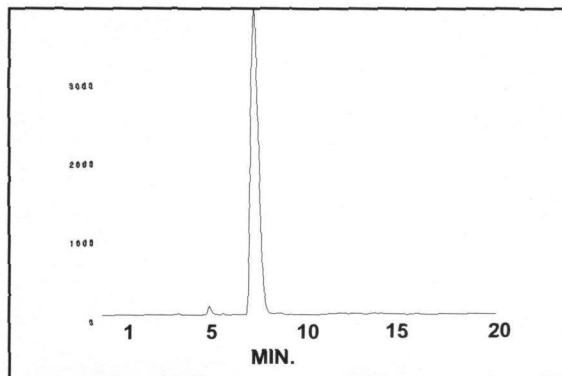


Lot #: 348-155-000-A-20060801-JH

Packaged as: Solid

Date of Analysis: July 21, 2009

Chemical Purity @ 267nm: 98.0%



Peak #	Area %	Time	Area
1	1.20	5.49670	131.90427
2	0.11	6.18500	11.86419
3	98.08	7.72330	10780.00403
4	0.19	9.07330	21.17442
5	0.27	13.87330	30.07265
6	0.14	16.04500	15.61756
Totals	100.00		10990.63712

Stability and Storage Recommendation: The rate of decomposition is approximately 0.2%/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-738

3'-Azido-3'-deoxythymidine 5'-monophosphate, diammonium salt

Lot 348-155-000-A-20060801-JH

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

Concentrations and volumes:

3'-Azido-3'-deoxythymidine 5'-monophosphate, diammonium salt solution concentration was 1.0 mg/ml.

Volume of **3'-Azido-3'-deoxythymidine 5'-monophosphate, diammonium salt** injection was 20.0 μ l.

Volume of blank injection was 20.0 μ l.

B) Mass spectrometry - Negative mode

C) NMR

D) UV Spectrum

M-738

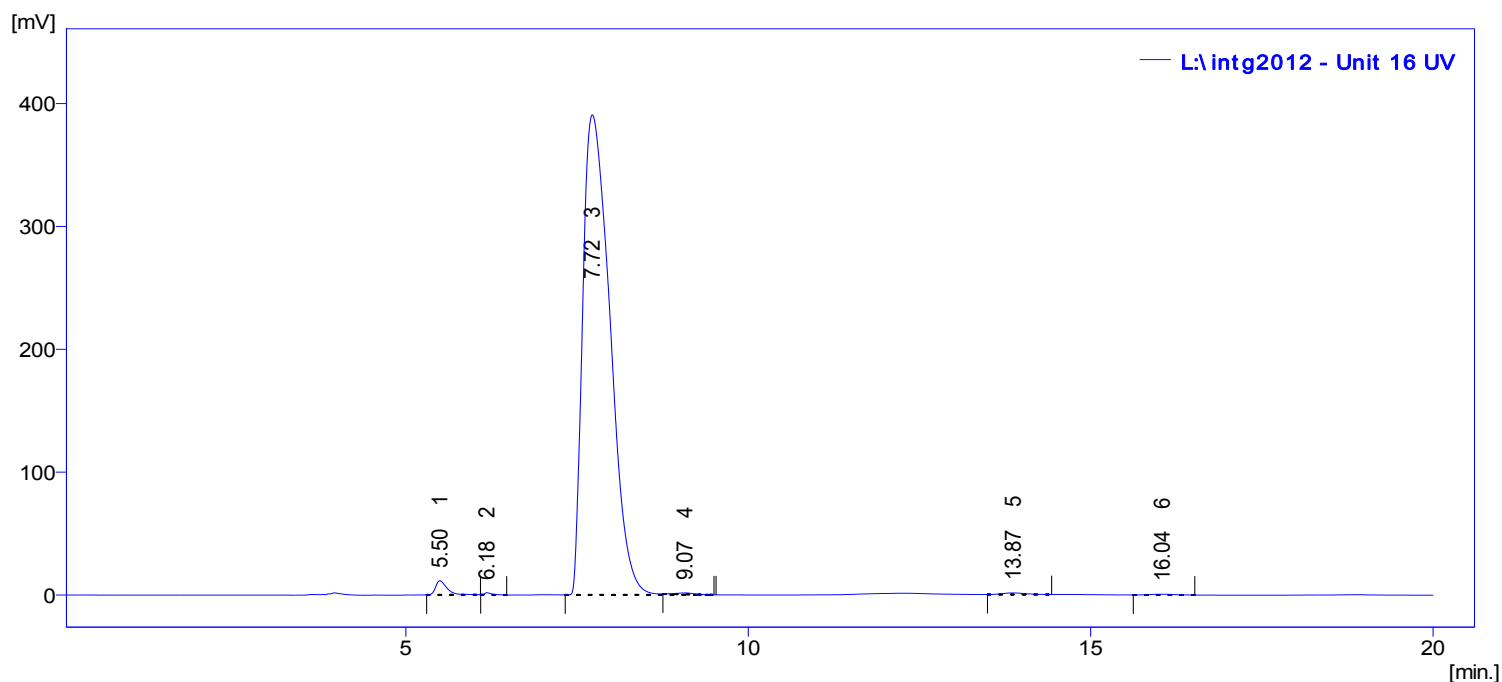
3'-Azido-3'-deoxythymidine 5'-monophosphate, diammonium salt
Lot 348-155-000-A-20060801-JH

Chromatogram Info:

File Name : L:\intg2012 File Created : 4/22/2014 9:20:16 AM
 Origin : Acquired, Acquisition started 7/21/2009 12:14:16 PM Acquired Date : 7/21/2009 12:34:14 PM
 Project : Work1 By : Administrator

Method : Unit16_20_min_run By : Administrator
 Description : UV trace of 3'-Azido-3'-deoxythymidine 5'-monophosphate, diammonium salt
 Created : 8/9/2007 8:59 AM Modified : 4/22/2014 9:28 AM

Column : Detection : UV 267nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\intg2012 - Unit 16 UV)

Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]	Efficiency [th.pl]	Eff/l [t.p./m]	Resolution [-]	Symmetry/Tailing [-]	Response Factor
1	5.50	131.903	11.51	1.20	2.8	0.17	2910	58196		1.54	
2	6.18	11.885	1.73	0.11	0.4	0.10	10563	211256	3.00	2.10	
3	7.72	10780.028	390.73	98.08	96.0	0.45	0	0	3.30	2.92	
4	9.07	21.183	1.17	0.19	0.3	0.32	5649	112983	2.07	1.01	
5	13.87	30.055	1.29	0.27	0.3	0.37	7894	157884	8.24	1.21	
6	16.04	15.593	0.64	0.14	0.2	0.39	10530	210608	3.40	1.09	
Total		10990.646	407.07	100.00	100.0						

M-738

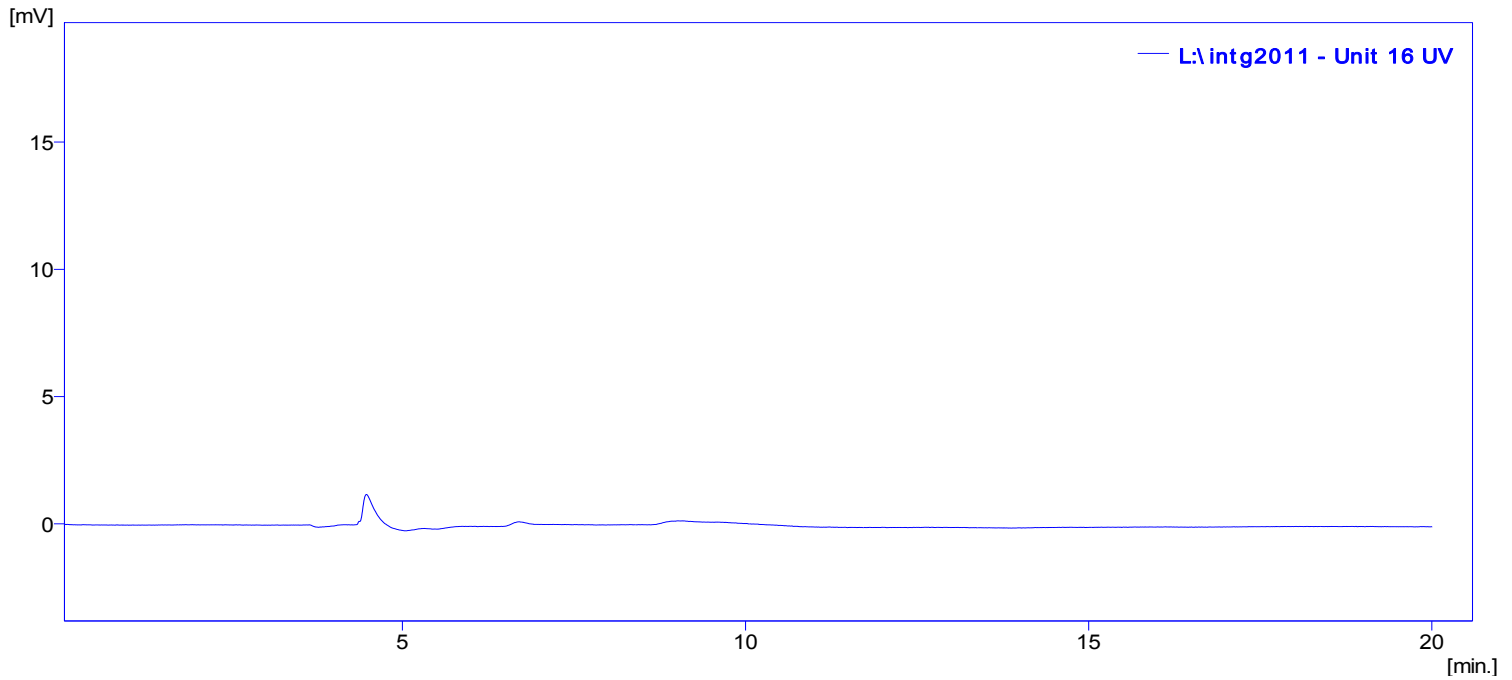
3'-Azido-3'-deoxythymidine 5'-monophosphate, diammonium salt
Lot 348-155-000-A-20060801-JH

Chromatogram Info:

File Name : L:\intg2011 File Created : 4/22/2014 9:20:16 AM
Origin : Acquired, Acquisition started 7/21/2009 11:54:01 AM Acquired Date : 7/21/2009 12:13:59 PM
Project : Work1 By : Administrator

Method : Unit16_20_min_run By : Administrator
Description : UV trace of blank injection
Created : 8/9/2007 8:59 AM Modified : 4/22/2014 9:29 AM

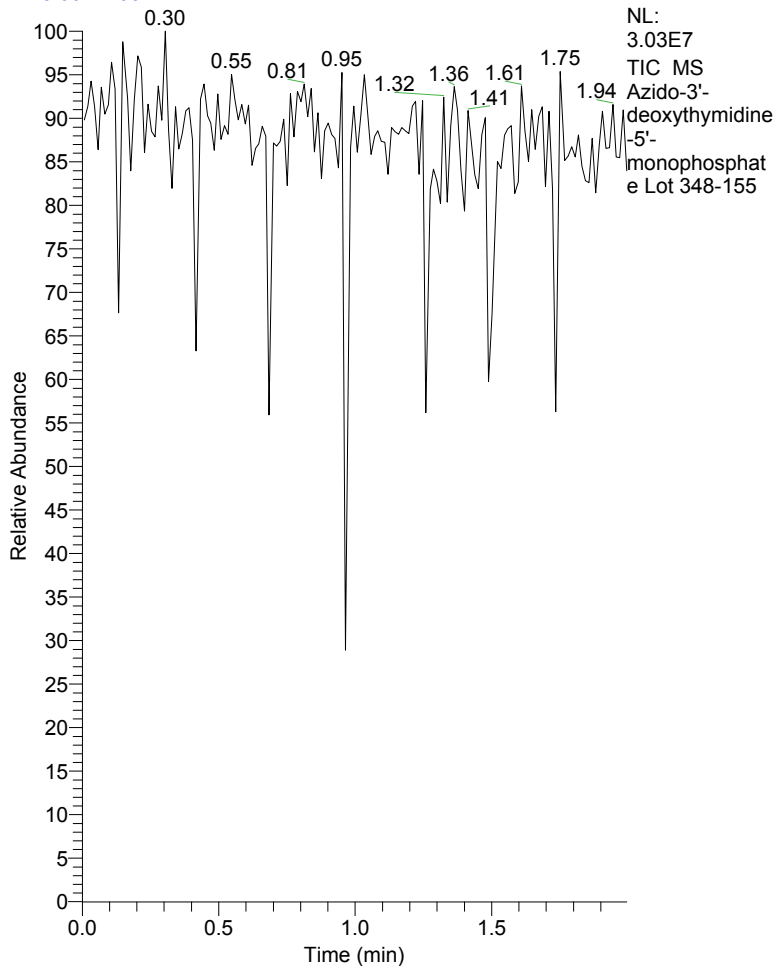
Column : Detection : UV 267nm
Mobile Phase : Temperature :
Flow Rate : Pressure :
Note :



Result Table (Uncal - L:\intg2011 - Unit 16 UV)

Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]	Efficiency [th.pl]	Eff/l [t.p./m]	Resolution [-]	Symmetry/Tailing [-]	Response Factor
No peak to report											

RT: 0.00 - 1.99



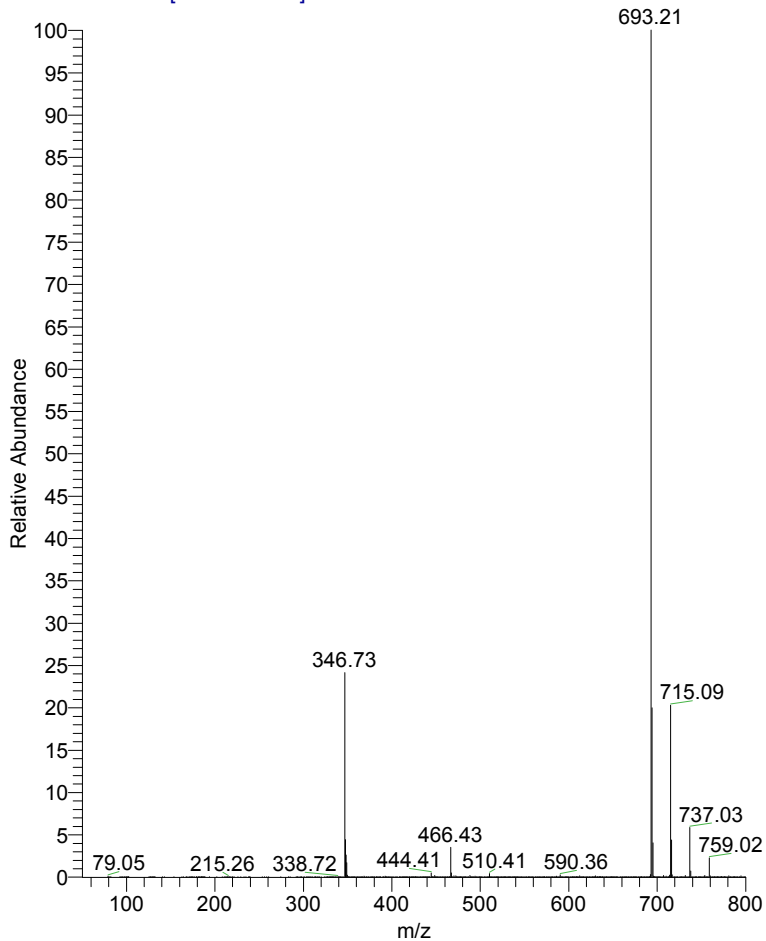
T: - c NSI Full ms [50.00-800.00]

m/z= 343.40-359.02

m/z	Intensity	Relative
343.73	2532.3	0.08
344.64	1924.1	0.06
345.59	2261.8	0.07
346.73	3139805.2	100.00
347.72	571125.9	18.19
348.45	336919.0	10.73
349.20	216542.7	6.90
349.87	25393.8	0.81
350.71	5183.4	0.17
351.76	1265.6	0.04
352.73	1067.2	0.03
353.71	978.3	0.03
354.61	919.7	0.03
355.44	719.4	0.02
356.29	935.1	0.03
357.04	505.0	0.02
357.78	577.7	0.02
358.61	684.1	0.02

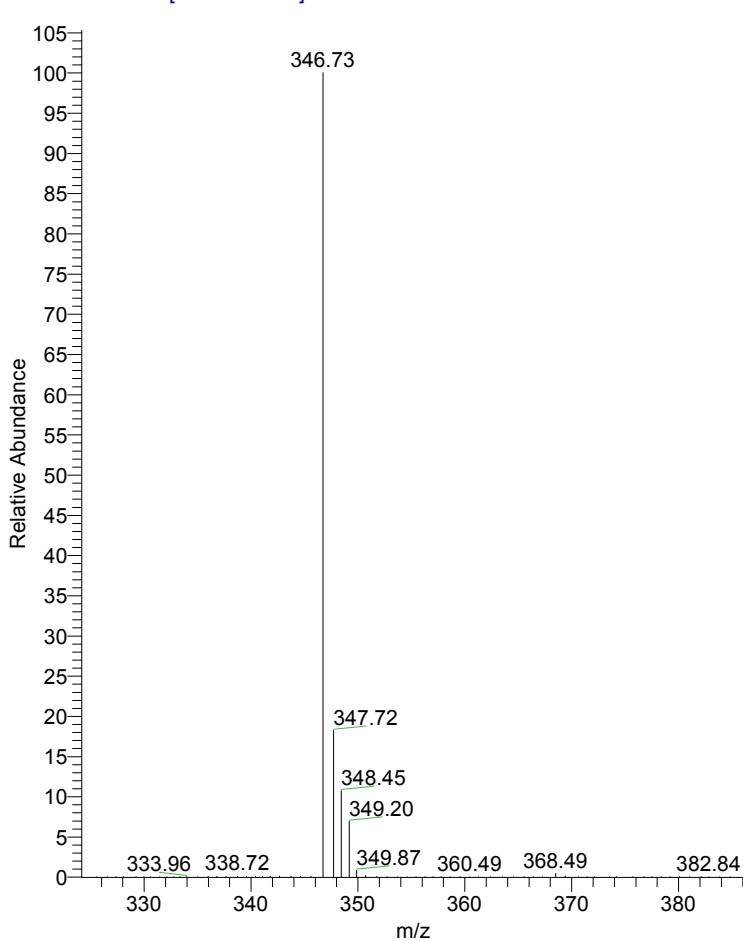
Azido-3'-deoxythymidine-5'-monophosphate Lot 348-155 #1-156 RT: 0.01-1.99

T: - c NSI Full ms [50.00-800.00]

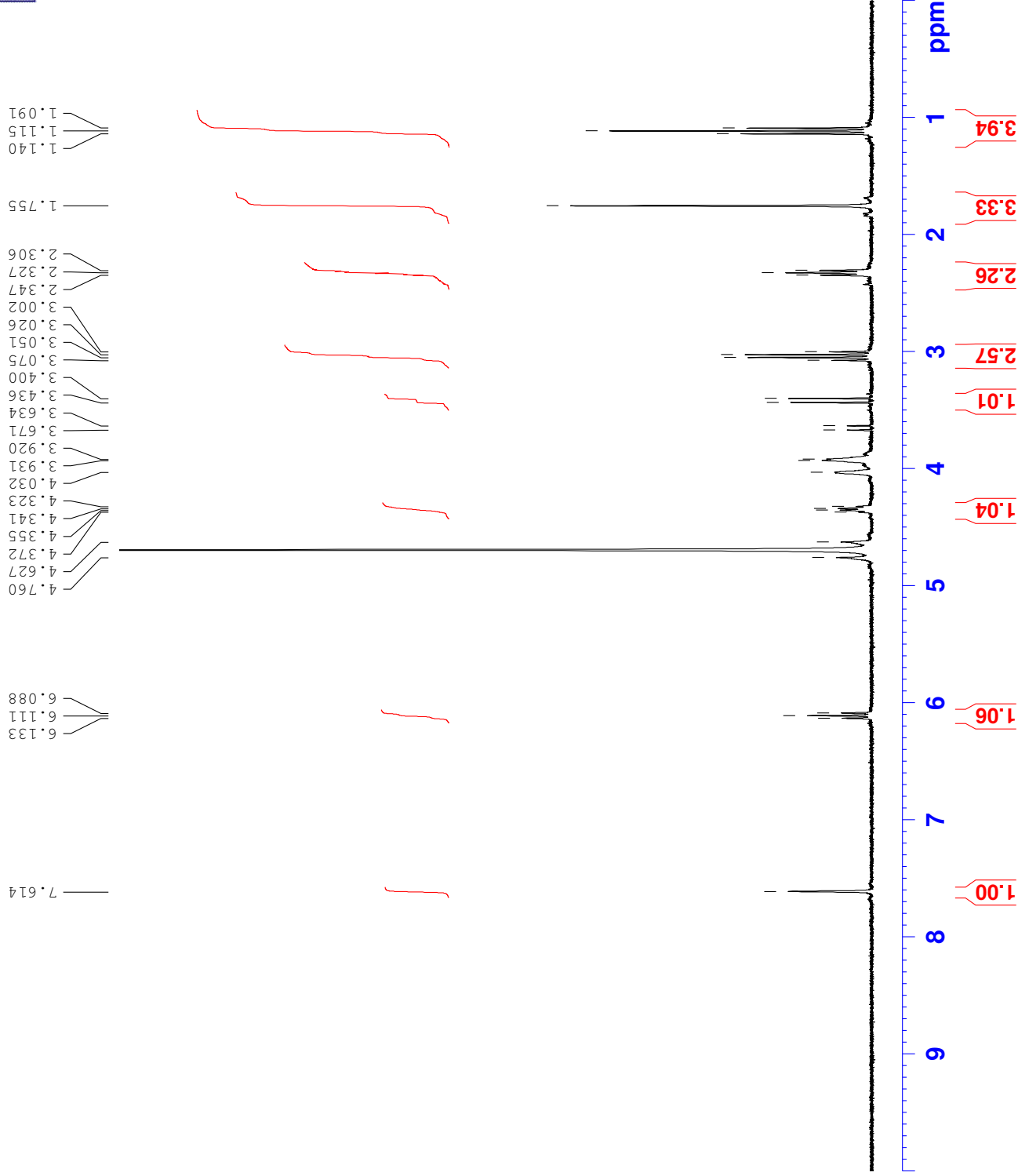


Azido-3'-deoxythymidine-5'-monophosphate Lot 348-155 #1-156 RT: 0.01-1.99

T: - c NSI Full ms [50.00-800.00]



M738 1H NMR in D2O
Batch 20060801-JH



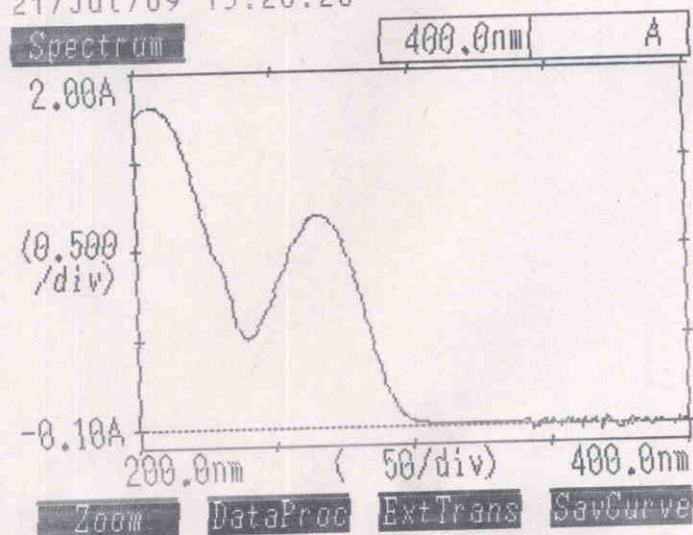
Current Data Parameters
NAME M738
EXPNO 1
PROCNO 1

F2 - Acquisition Parameter
Date_ 20090216
Time 11.14
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg30
TD 65536
SOLVENT D2O
NS 500
DS 2
SWH 4194.631 Hz
FIDRES 0.064005 Hz
AQ 7.8119411 se
RG 362
DW 119.200 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

21/Jul/09 15:20:20



21/Jul/09 15:21:04

Peak detection

Abscis.	ABS	Abscis.	ABS
267.0	1.197		
287.0	1.817		

Graph PrintOut Valley