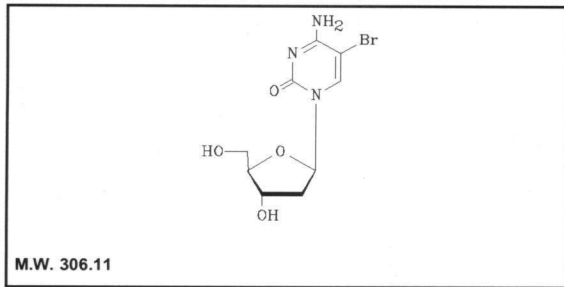




Product Data Sheet

M-1755

5-Bromo-2'-deoxycytidine

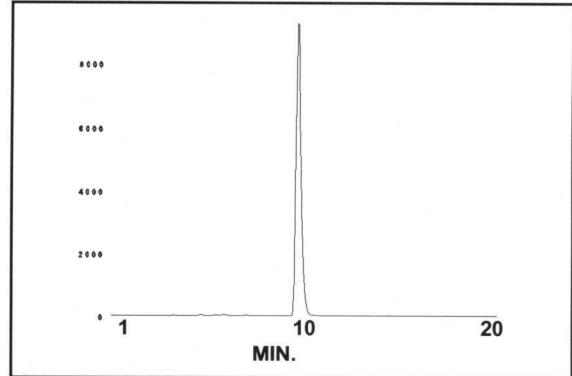


Lot #: 208-234-000-IJH-20050720-Q

Packaged as: Solid

Date of Analysis: June 23, 2009

Chemical Purity @ 271nm: 99.4%



HPLC ANALYSIS LOT 208-234-000-IJH-20050720-Q
File Name: intg1937 Date and Time: 6/23/2009 9:46:42 AM
Unit 16 UV

Peak #	Area %	Time	Area
1	0.15	4.66000	27.32870
2	0.36	5.85000	65.09747
3	0.06	7.02670	10.08538
4	99.43	9.69330	17736.93946

Totals 100.00 17839.45101

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-1755

5-Bromo-2'-deoxycytidine

Lot 208-234-000-IJH-20050720-Q

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

Concentrations and volumes:

5- Bromo-2'-deoxycytidine solution concentration was 1.0 mg/mL.

Volume of **5- Bromo-2'-deoxycytidine** injection was 10.0 μ L.

Volume of blank injection was 10.0 μ L.

B) Mass spectrometry - Positive mode

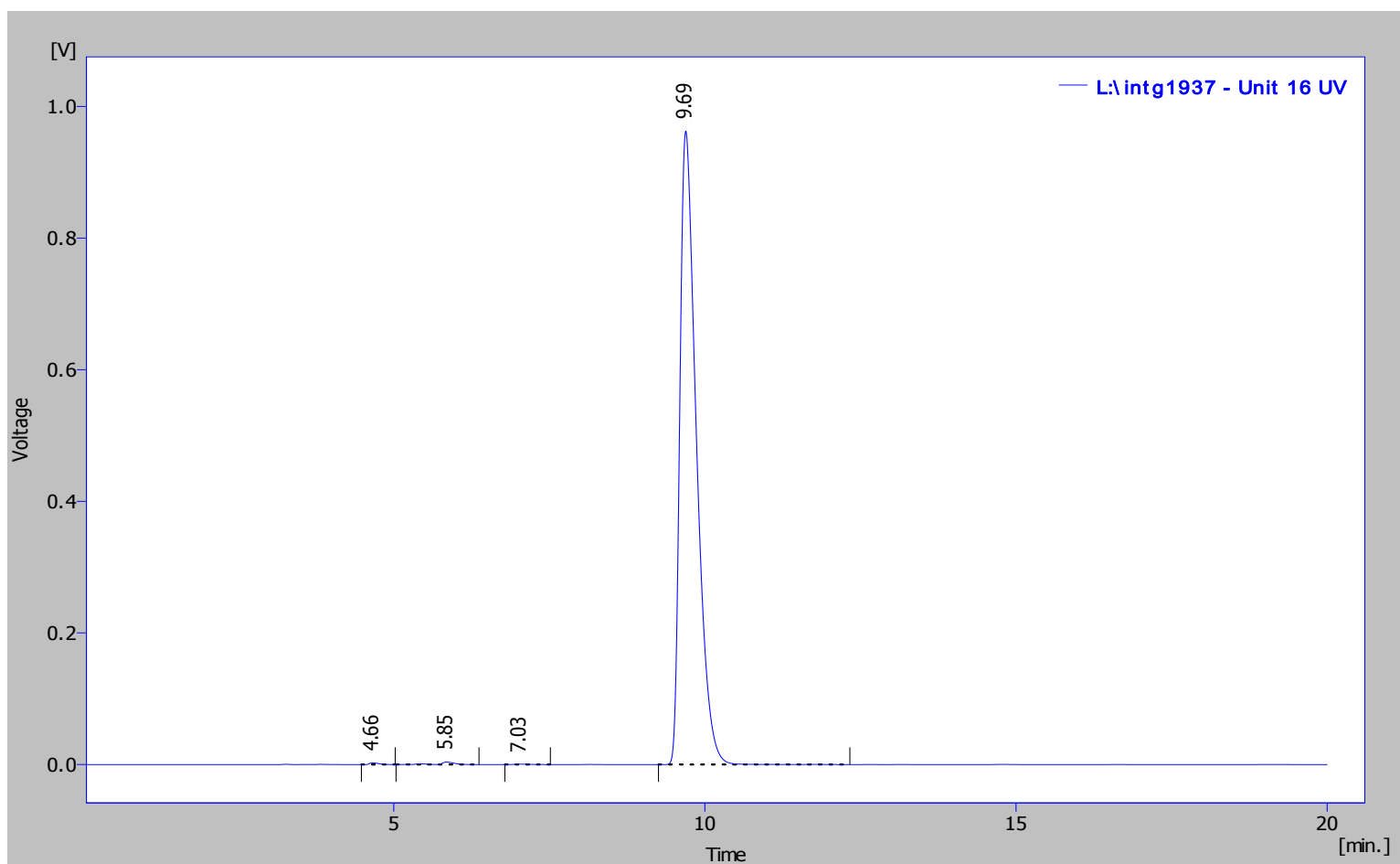
C) NMR

D) UV spectrum

M-1755
5-Bromo-2'-deoxycytidine
Lot 208-234-000-IJH-20050720-Q

Chromatogram Info:

File Name	: L:\intg1937	File Created	: 11/15/2013 1:58:12 PM
Origin	: Acquired, Acquisition started 6/23/2009 9:26:44 AM	Acquired Date	: 6/23/2009 9:46:42 AM
Project	: Test	By	: Administrator
Method	: Unit16_20_min_run	By	: Administrator
Description	: UV trace of 5-Bromo-2'-deoxycytidine	Modified	: 11/15/2013 2:10 PM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: UV 271nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



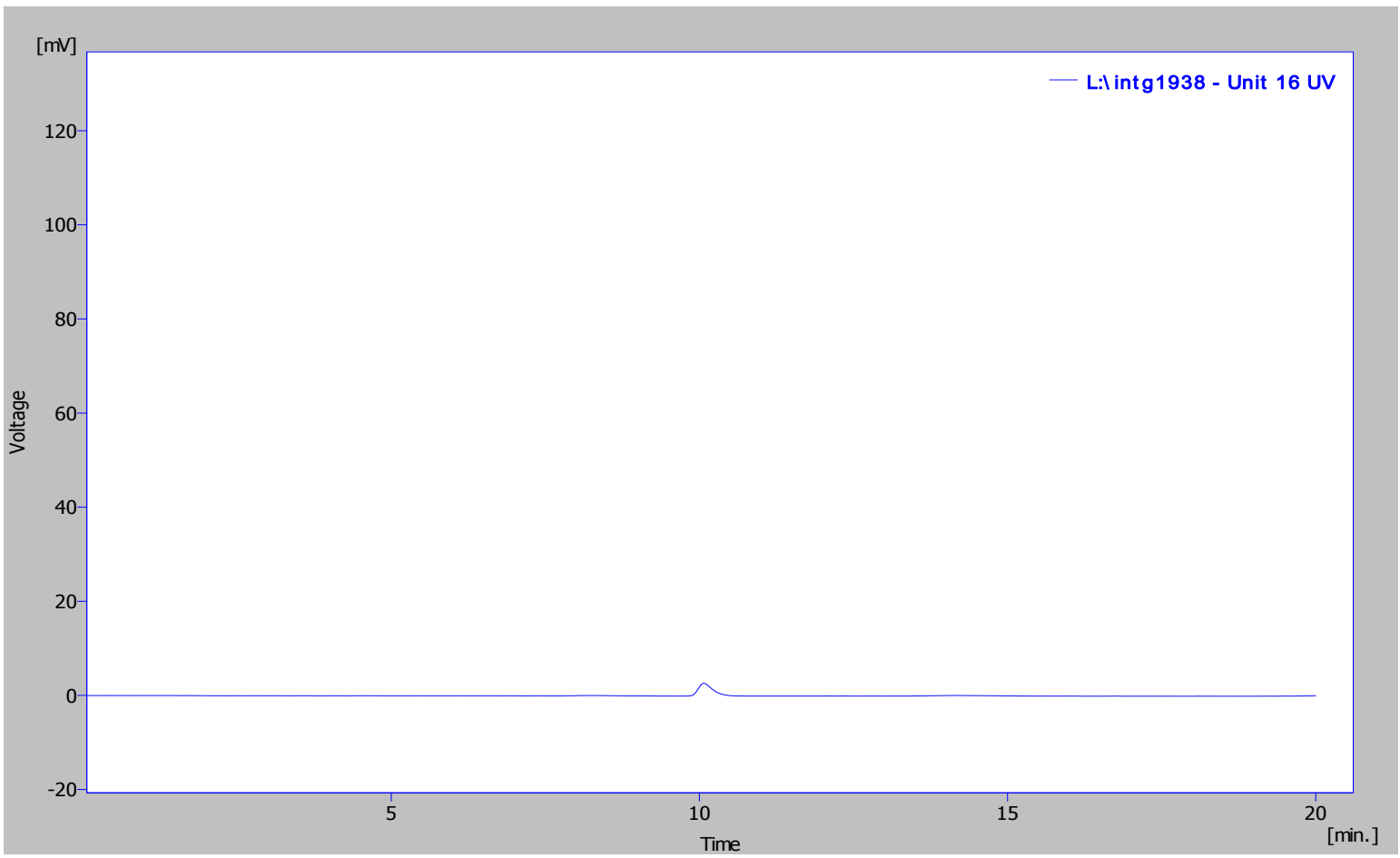
Result Table (Uncal - L:\intg1937 - Unit 16 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		4.660	0.15	27.329	2.666	0.275	3961.274
2		5.850	0.36	65.097	3.814	0.393	704.087
3		7.027	0.06	10.085	0.602	0.062	3450.039
4		9.693	99.43	17736.939	962.728	99.270	0.000
		Total	100.00	17839.451	969.811	100.000	

M-1755
5-Bromo-2'-deoxycytidine
Lot 208-234-000-IJH-20050720-Q

Chromatogram Info:

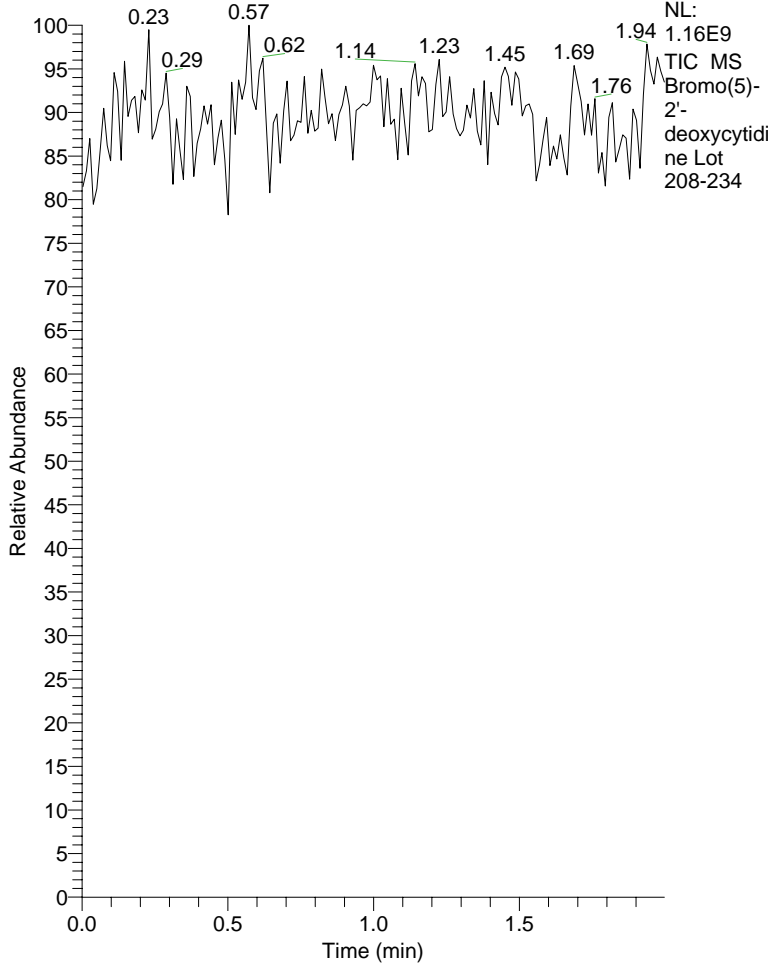
File Name	: L:\intg1938	File Created	: 11/15/2013 1:59:45 PM
Origin	: Acquired, Acquisition started 6/23/2009 9:49:05 AM	Acquired Date	: 6/23/2009 10:09:04 AM
Project	: Test	By	: Administrator
Method	: Unit16_20_min_run	By	: Administrator
Description	: UV trace of blank injection	Modified	: 11/15/2013 2:10 PM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: UV 271nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intg1938 - Unit 16 UV)

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

RT: 0.00 - 2.00



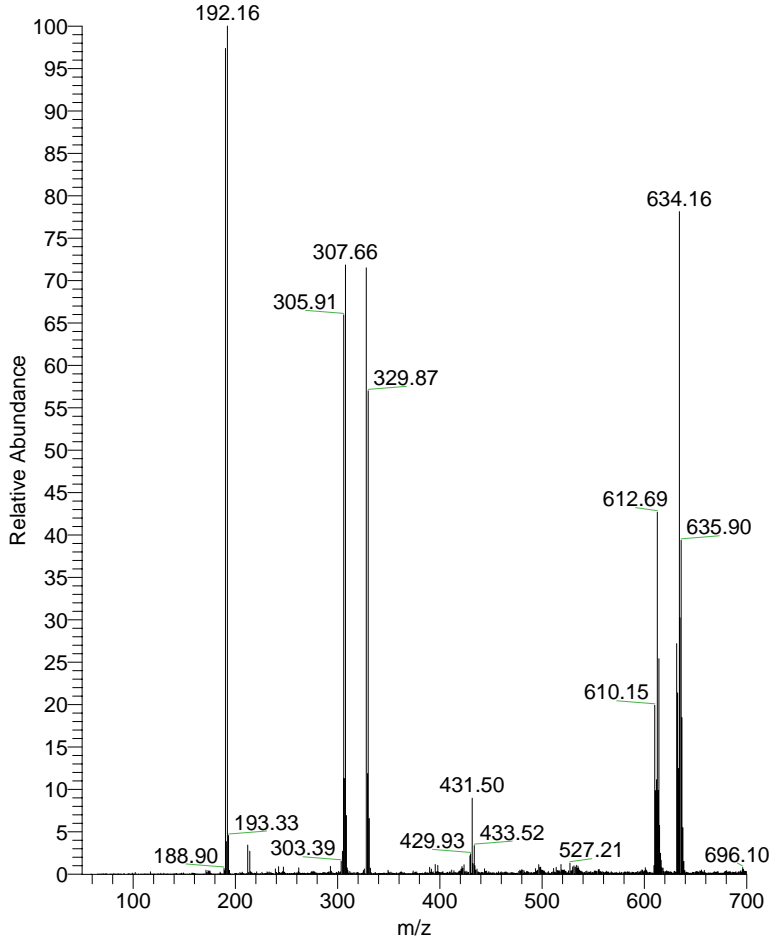
Bromo(5)-2'-deoxycytidine Lot 208-234#

T: + c NSI Full ms [50.00-700.00]

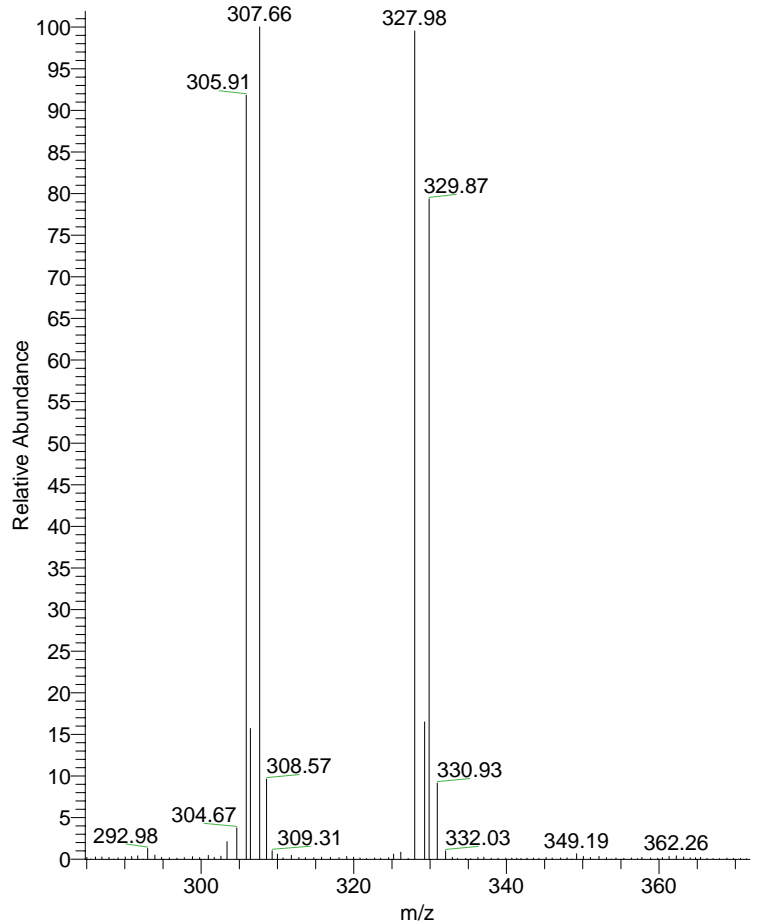
m/z = 301.89-316.27

m/z	Intensity	Relative
303.39	1522061.7	2.11
304.67	2721951.1	3.77
305.91	66332964.4	91.81
306.45	11340593.9	15.70
307.66	72253972.2	100.00
308.57	6953914.3	9.62
309.31	724641.8	1.00
310.00	439458.3	0.61
310.73	114074.2	0.16
311.82	321318.2	0.44
312.81	143127.0	0.20
313.67	126353.3	0.17
314.74	128347.8	0.18
315.77	177206.0	0.25

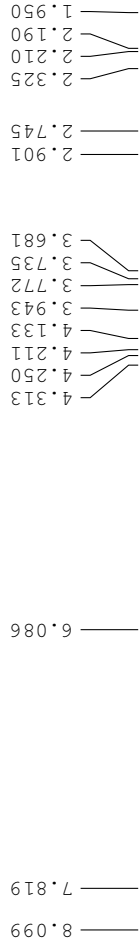
Bromo(5)-2'-deoxycytidine Lot 208-234 #1-169 RT: 0.00-2.00 AV: 169 NL: T: + c NSI Full ms [50.00-700.00]



Bromo(5)-2'-deoxycytidine Lot 208-234 #1-169 RT: 0.00-2.00 AV: 169 NL: T: + c NSI Full ms [50.00-700.00]



M1755 1H NMR in D2O
Batch 20050720-Q

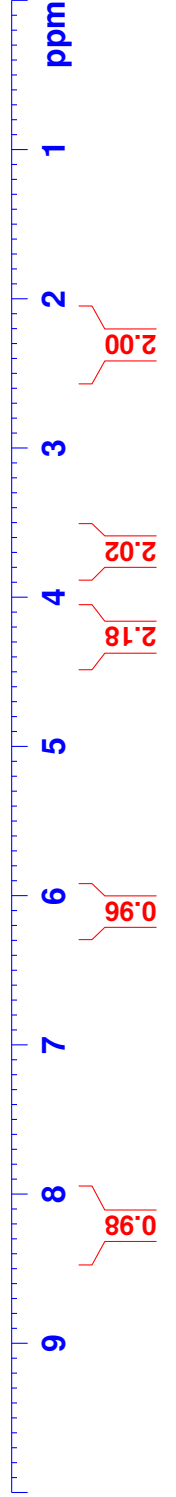


Current Data Parameters
NAME M1755
EXPNO 1
PROCNO 1

F2 - Acquisition Parameter
Date_ 20090217
Time 13.18
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg30
TD 65536
SOLVENT D2O
NS 1000
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 EM
SSB 0
LB 7.00 Hz
GB 0
PC 1.00



23/Jun/09 11:41:31

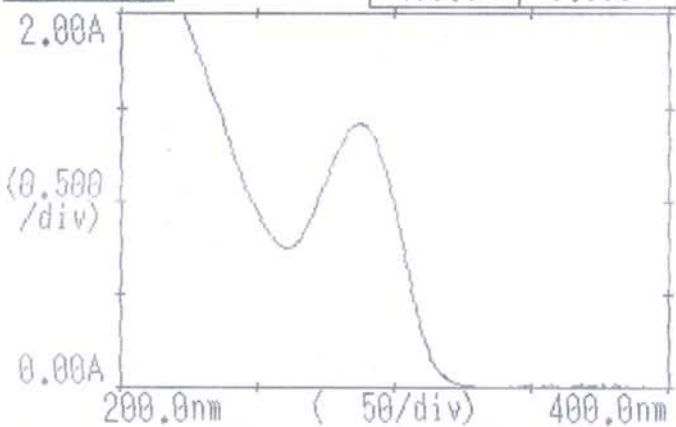
Peak detection

Abscis.	ABS	Abscis.	ABS
288.0	1.425		

Graph PrintOut Valley

23/Jun/09 11:42:10

Spectrum



Zoom DataProc ExtTrans SavCurve