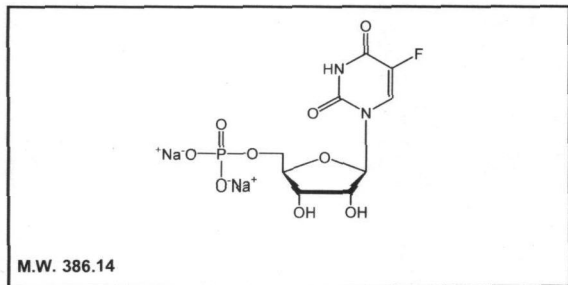




Product Data Sheet

M-699

5-Fluorouridine 5'-monophosphate, disodium salt

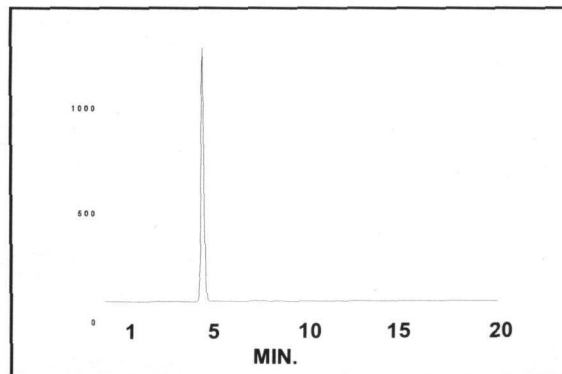


Lot #: 117-077-000-A-19940721-GU

Packaged as: Solid

Date of Analysis: November 22, 2010

Chemical Purity @ 268nm: 97.9%



HPLC ANALYSIS LOT 117-077-000-A-19940721-GU
File Name: int20787 Date and Time: 11/22/2010 9:43:51 A
Unit 2 UV

Peak #	Area %	Time	Area
1	0.13	3.80000	1.43881
2	97.93	5.03000	1120.19266
3	0.23	5.69670	2.59137
4	0.06	6.09830	0.74041
5	0.80	7.67500	9.19068
6	0.26	8.91830	2.94233
7	0.22	11.96000	2.50538
8	0.37	12.89830	4.26450
Totals	100.00		1143.86614

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-699

5-Fluorouridine 5'-monophosphate, disodium salt

Lot 117-077-000-A-19940721-GU

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

Concentrations and volumes:

5-Fluorouridine 5'-monophosphate, disodium salt concentration was 0.6 mg/ml.

Volume of **5-Fluorouridine 5'-monophosphate, disodium salt** injection was 2.0 μ l.

Volume of blank injection was 2.0 μ l.

B) Mass spectrometry – Negative mode

C) NMR

D) UV spectrum

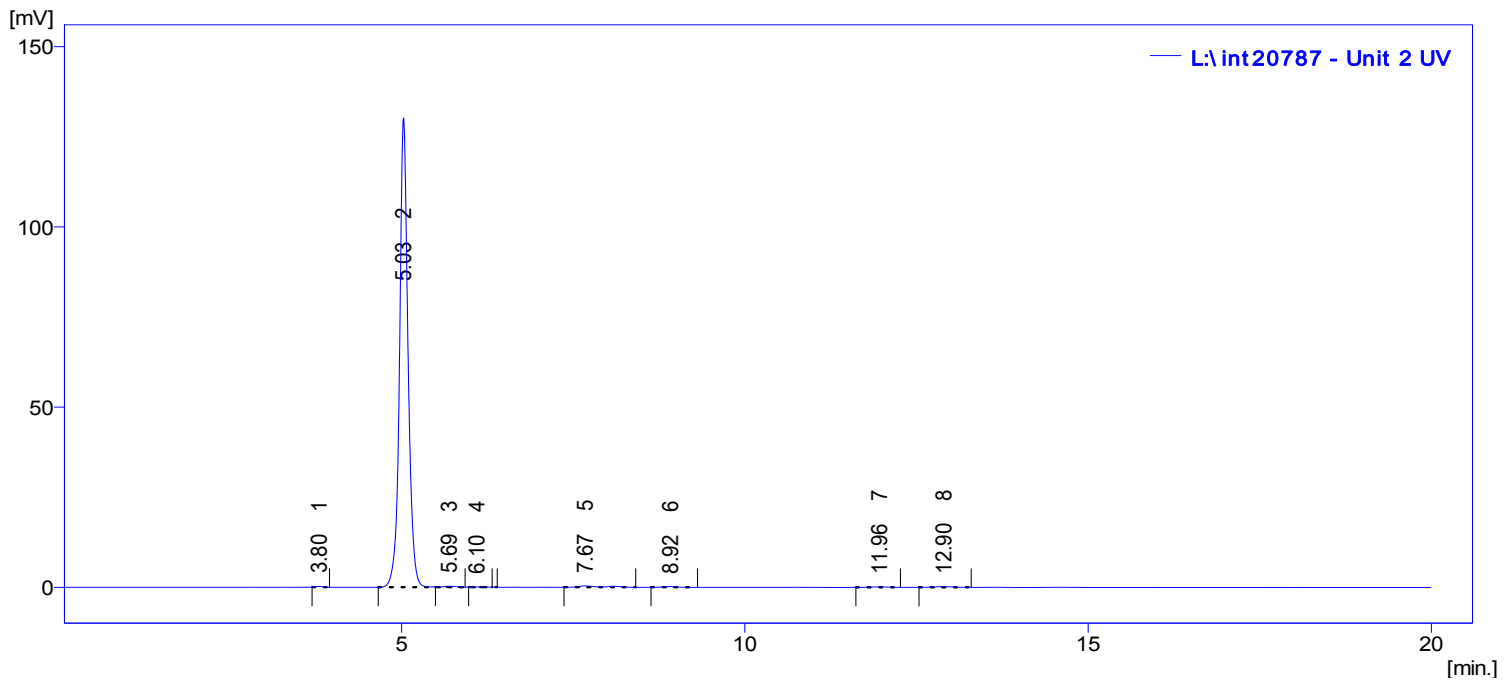
M-699
5-Fluorouridine 5'-monophosphate, disodium salt
Lot 117-077-000-A-19940721-GU

Chromatogram Info:

File Name : L:\int20787 File Created : 4/18/2014 9:25:38 AM
 Origin : Acquired, Acquisition started 11/22/2010 9:23:51 AM Acquired Date : 11/22/2010 9:43:51 AM
 Project : Work1 By : Administrator

Method : unit2-20minrun By : Administrator
 Description : UV trace of 5-Fluorouridine 5'-monophosphate, disodium salt
 Created : 8/8/2007 9:12 AM Modified : 4/18/2014 9:31 AM

Column : Detection : UV 268nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\int20787 - Unit 2 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		3.80	1.431	0.24	0.13	0.2	0.09	9183	183668		1.20	
2		5.03	1120.185	130.16	97.94	98.9	0.13	8736	174723	6.60	2.24	
3		5.69	2.562	0.23	0.22	0.2	0.17	5977	119539	2.61	1.23	
4		6.10	0.746	0.08	0.07	0.1	0.14	11025	220495	1.54	1.46	
5		7.67	9.170	0.39	0.80	0.3	0.21	7167	143348	5.32	2.05	
6		8.92	2.933	0.20	0.26	0.2	0.22	9101	182012	3.39	1.12	
7		11.96	2.485	0.14	0.22	0.1	0.28	10353	207056	7.23	0.97	
8		12.90	4.246	0.22	0.37	0.2	0.29	10709	214177	1.94	1.02	
		Total	1143.757	131.67	100.00	100.0						

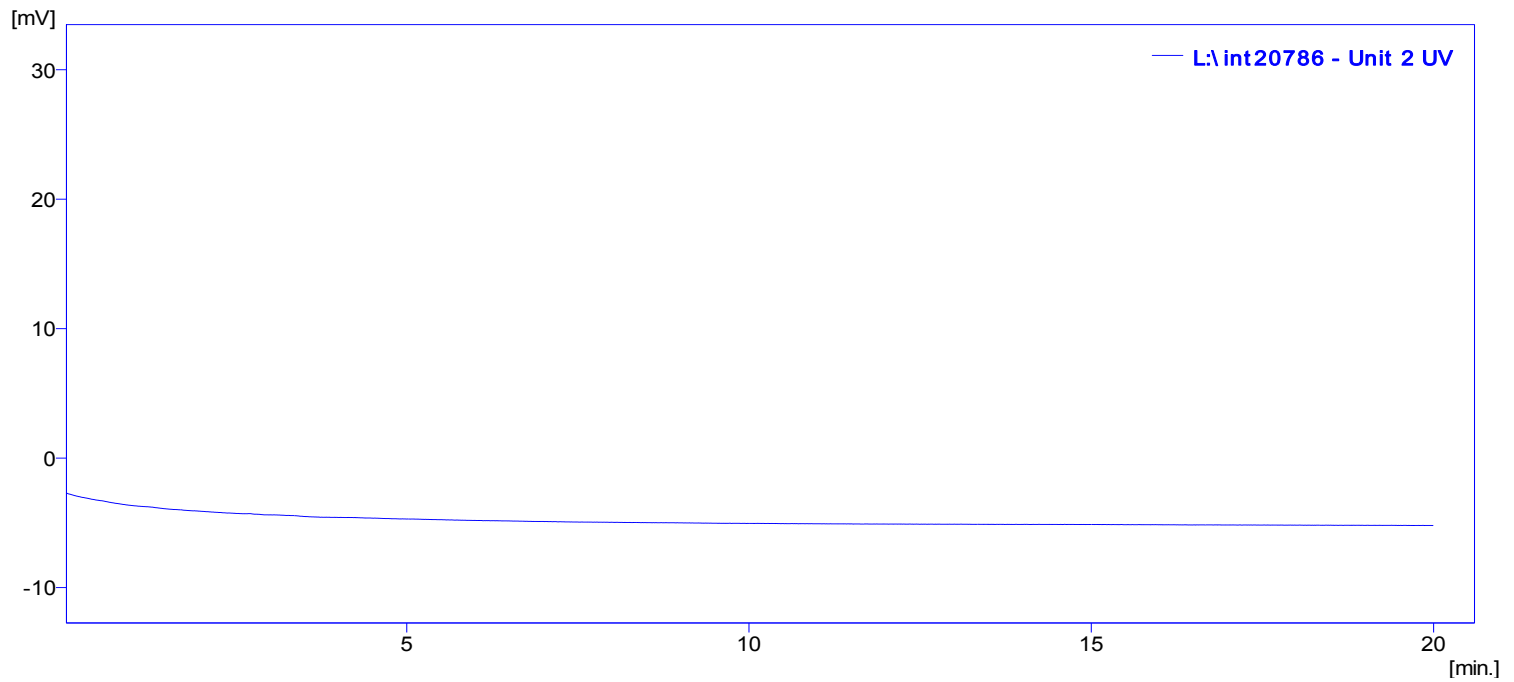
M-699
5-Fluorouridine 5'-monophosphate, disodium salt
Lot 117-077-000-A-19940721-GU

Chromatogram Info:

File Name : L:\int20786 File Created : 4/18/2014 9:25:38 AM
 Origin : Acquired, Acquisition started 11/22/2010 9:00:34 AM Acquired Date : 11/22/2010 9:20:34 AM
 Project : Work1 By : Administrator

Method : unit2-20minrun By : Administrator
 Description : UV trace of blank injection
 Created : 8/8/2007 9:12 AM Modified : 4/18/2014 9:32 AM

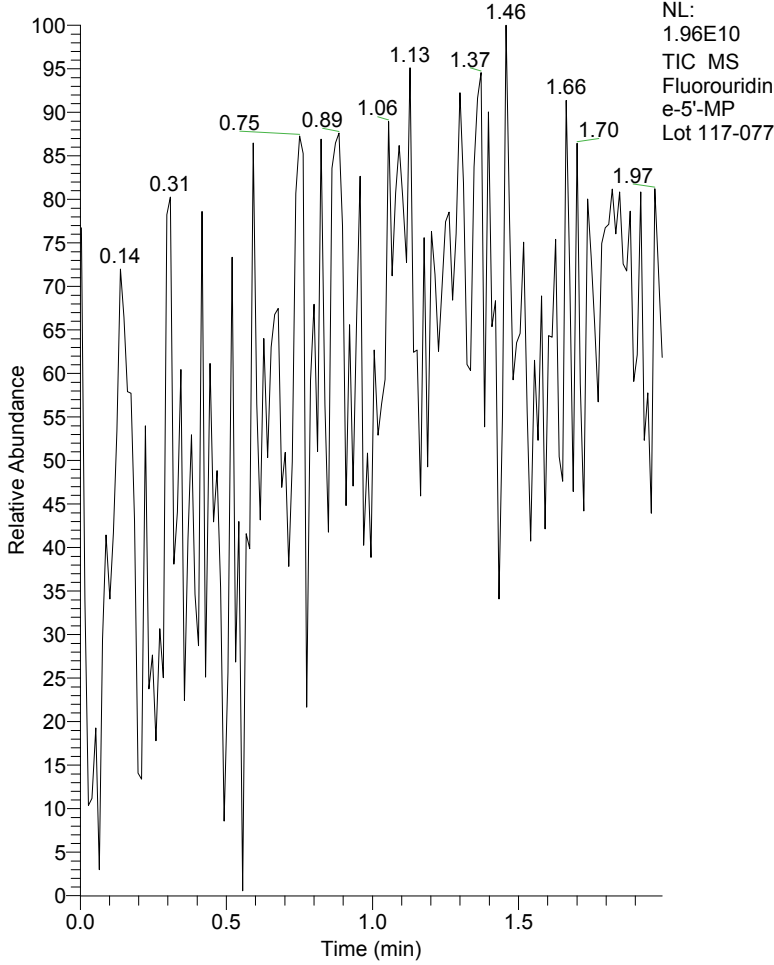
Column : Detection : UV 268nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\int20786 - Unit 2 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



NL: 1.96E10
TIC MS
Fluorouridin
e-5'-MP
Lot 117-077

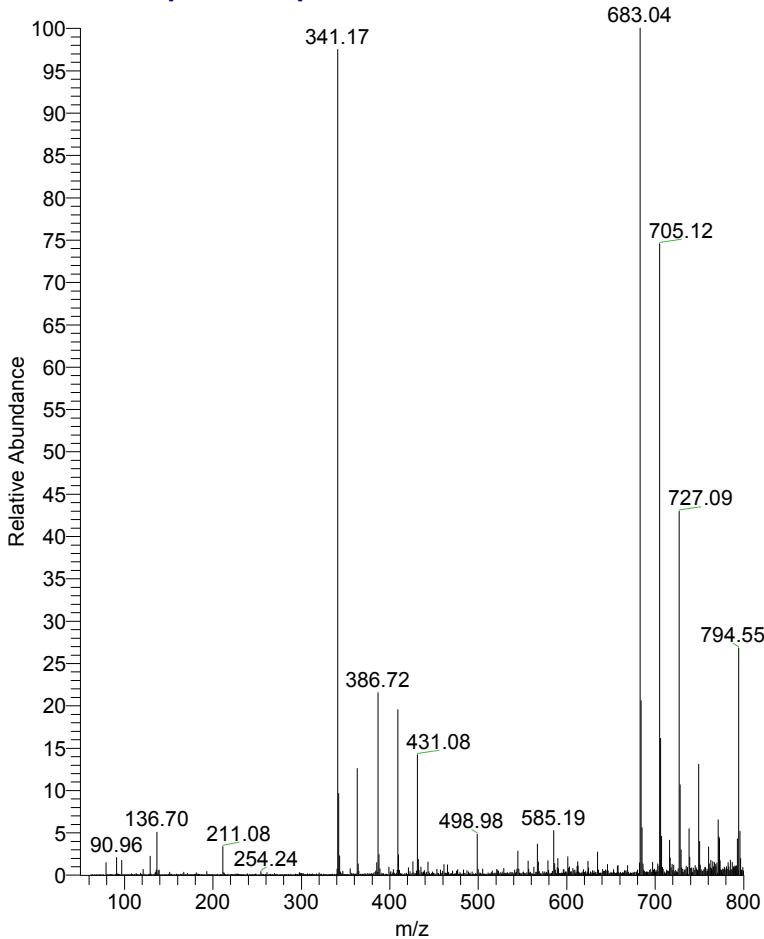
Fluorouridine-5'-MP Lot 117-077#1-164

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

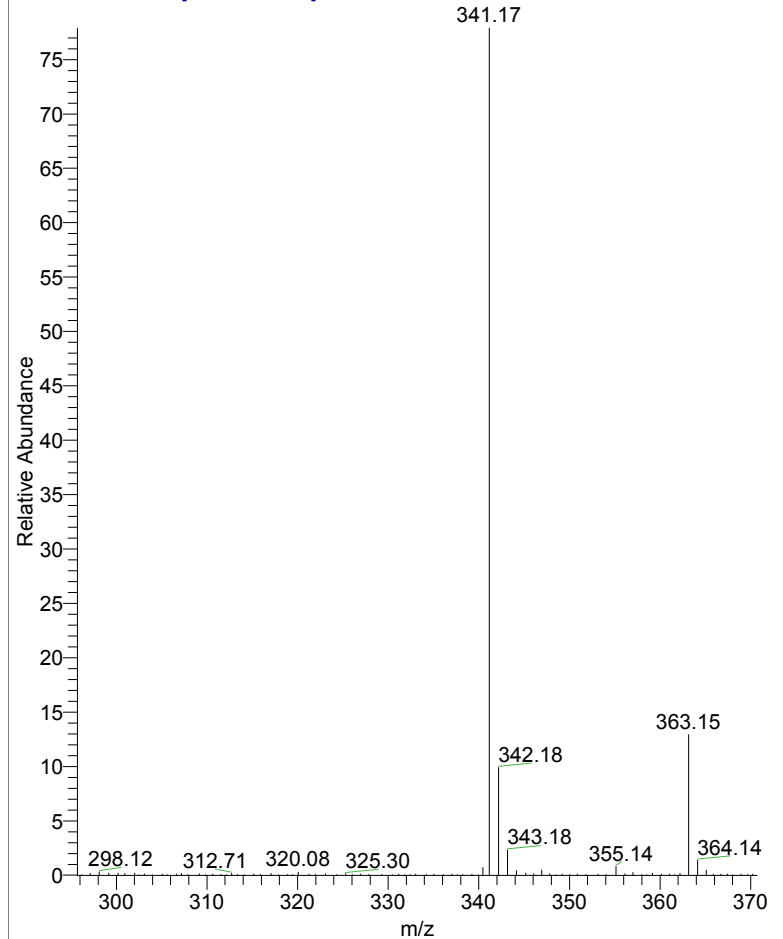
m/z = 338.47-344.26

m/z	Intensity	Relative
339.26	1176598.1	0.08
339.91	1754.5	0.00
340.46	9800418.5	0.70
341.17	1399696217.7	100.00
342.18	138128681.6	9.87
343.18	32062448.4	2.29
344.15	5378551.4	0.38

Fluorouridine-5'-MP Lot 117-077 #1-164 RT: 0.00-1.99 AV: 164 NL: 1.44E9
T: - c NSI Full ms [50.00-800.00]



Fluorouridine-5'-MP Lot 117-077 #1-164 RT: 0.00-1.99 AV: 164 NL: 1.40E9
T: - c NSI Full ms [50.00-800.00]



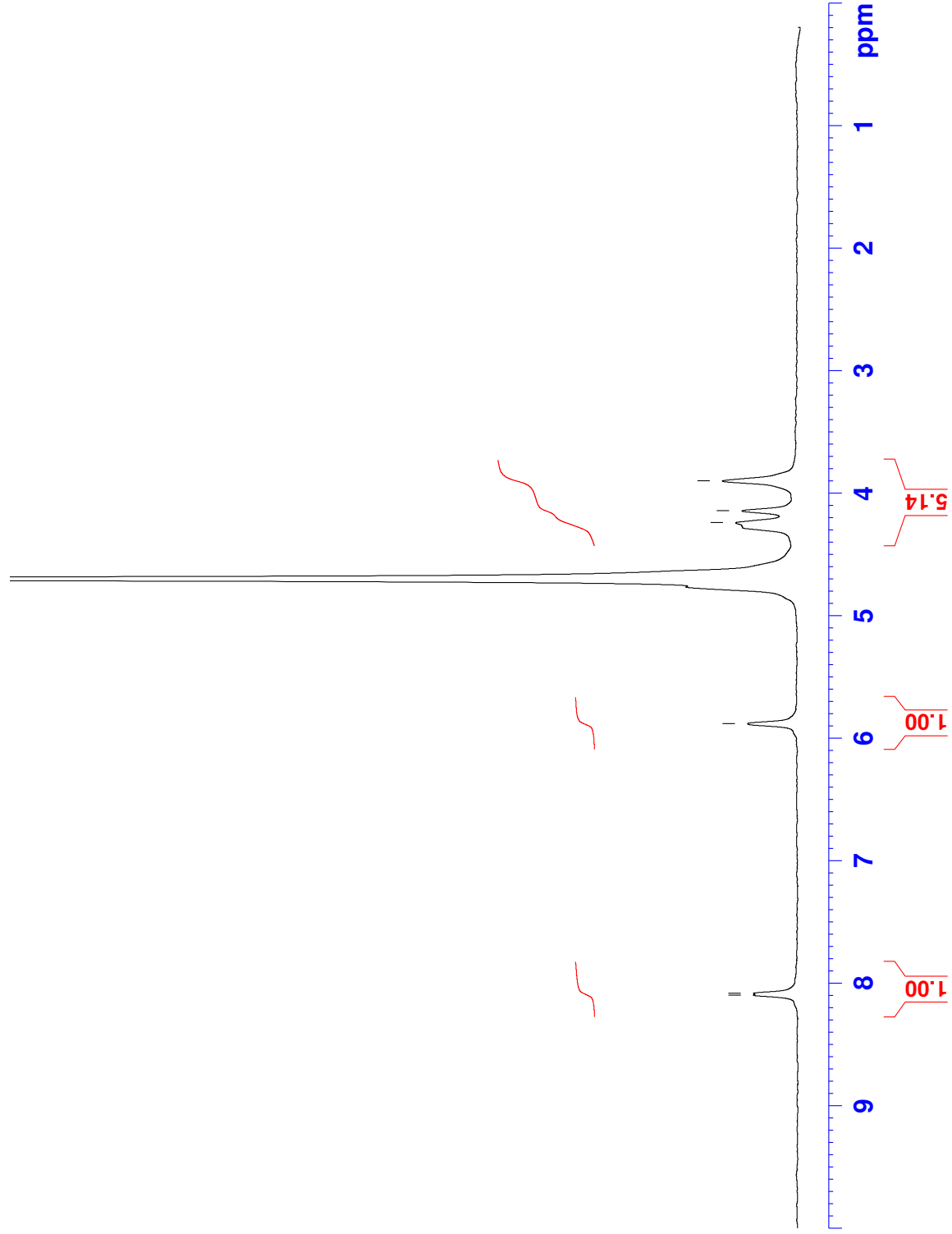
M699 1H NMR in D2O
Batch 19940721-GU



8.098
8.082

5.881

4.240
4.143
3.899



Current Data Parameters
NAME M699
EXPNO 1
PROCNO 1

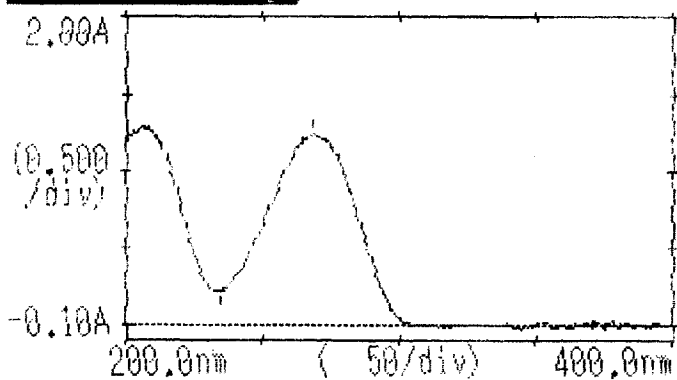
F2 - Acquisition Parameter
Date_ 20090428
Time 12.40
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg30
TD 65536
SOLVENT D2O
NS 500
DS 1
SWH 3591.954 Hz
FIDRES 0.054809 Hz
AQ 9.1226616 se
RG 362
DW 139.200 us
DE 6.00 us
TE 300.0 K
D1 1.00000000 se
TD0 1

==== 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

11/Mar/90 13:50:14

Data Processing



PrintOut

Peak

Valley

11/Mar/90 13:50:48

Peak detection

Abscis.	ABS	Abscis.	ABS
208.0	1.248		

Graph

PrintOut

Table