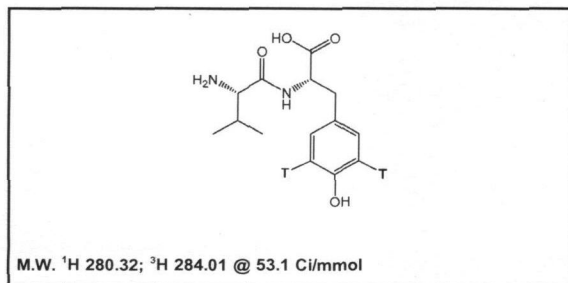




Product Data Sheet

MT-971

Valyl-tyrosine, [tyrosine-3,5-³H]-



Lot #: 186-151-0531-A-20101014-TN

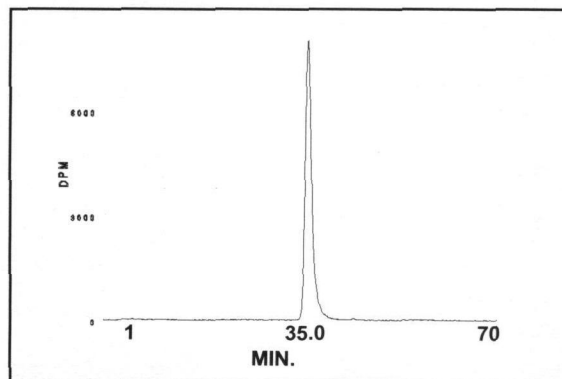
Specific Activity: 53.1 Ci/mmol

Concentration: 0.25 mCi/ml; 1.34 µg/ml

Packaged in: Ethanol solution

Date of Analysis: October 14, 2010

Radiochemical Purity: 99.6%



HPLC ANALYSIS LOT 186-151-0531-A-20101014-TN
File Name: int61557 Date and Time: 10/14/2010 2:49:38 P
Unit 6 Radio

Peak #	Area %	Time	Area
1	99.63	36.57000	66408.52964
2	0.37	44.54000	248.35420
Totals	100.00		66656.88384

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.

MT-971

Valyl-tyrosine, [tyrosine-3,5-³H]-

Lot 186-151-0531-A-20101014-TN

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

Concentrations and volumes:

Valyl-tyrosine, [tyrosine-3,5-³H]- concentration was 1.0 mCi/ml.

Volume of **Valyl-tyrosine, [tyrosine-3,5-³H]-** injection was 2.0 μ l.

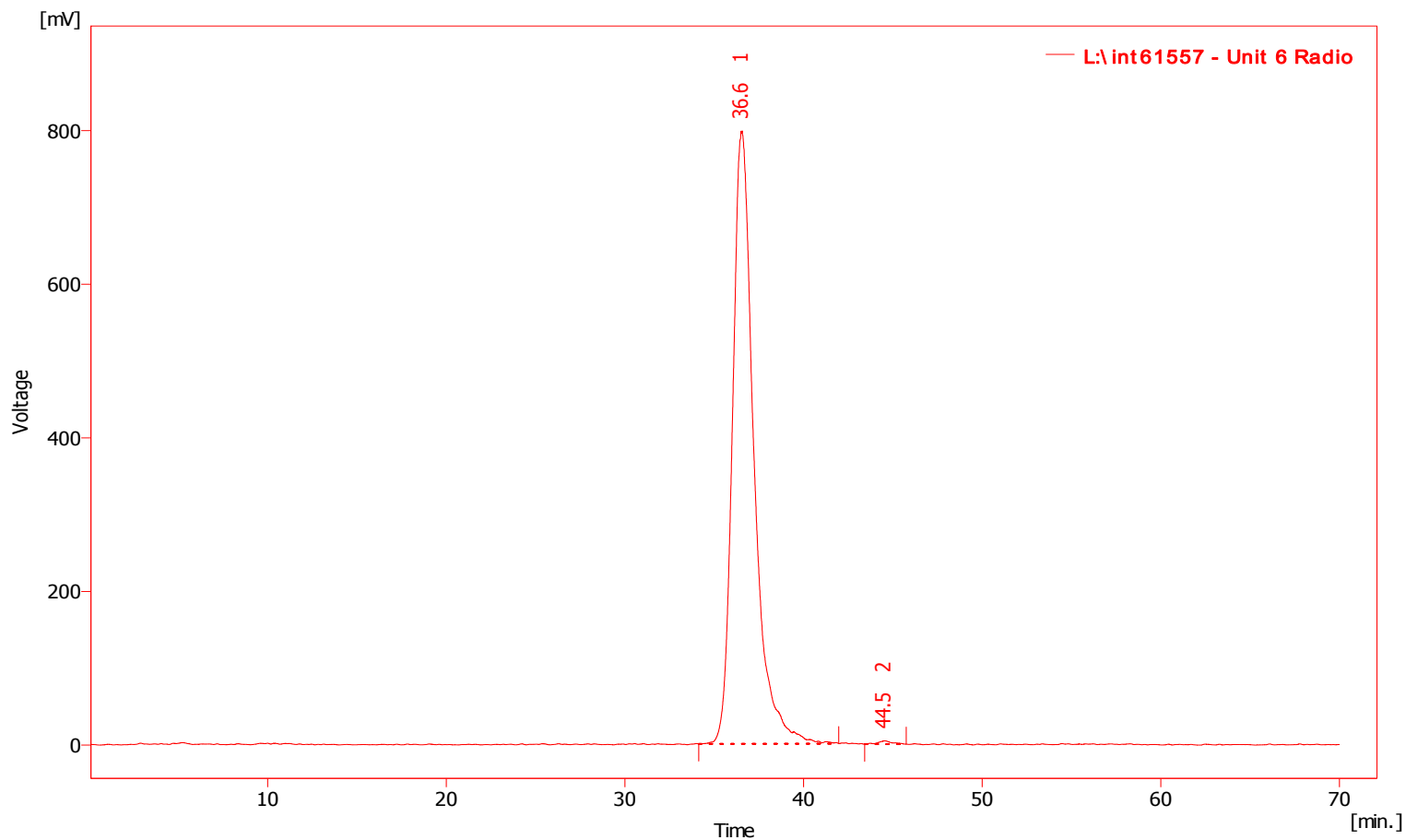
B) Mass spectrometry – Positive mode

C) NMR

MT-971
Valyl-tyrosine, [tyrosine-3,5-3H]-
Lot 186-151-0531-A-20101014-TN

Chromatogram Info:

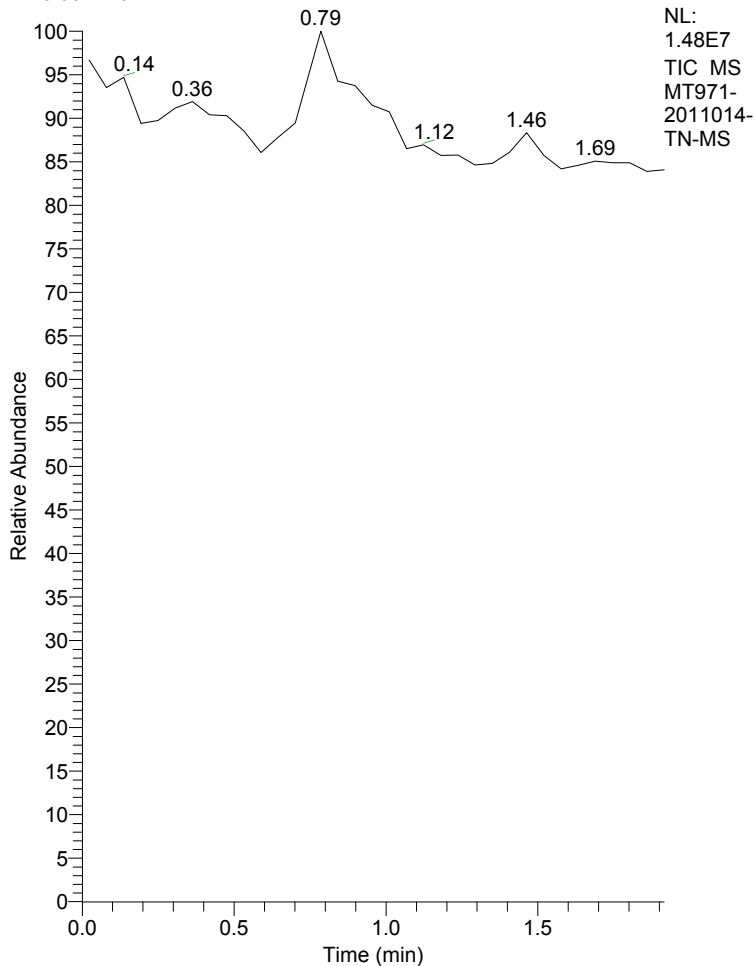
File Name	: L:\int61557	File Created	: 3/21/2014 2:25:15 PM
Origin	: Acquired, Acquisition started 10/14/2010 1:39:39 PM	Acquired Date	: 10/14/2010 2:49:38 PM
Project	: Test	By	: Administrator
Method	: Unit6-70minrun	By	: Administrator
Description	: Radiochemical trace of Valyl tyrosine, [tyrosine-3,5-3H]-	Modified	: 3/21/2014 2:27 PM
Created	: 7/14/2007 11:10 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\int61557 - Unit 6 Radio)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Eff/l [t.p./m]	Symmetry/Tailing [-]	Response Factor	Resolution [-]
1		36.57	66408.530	798.02	99.63	99.43	5231.98	104639.52	1.40		
2		44.54	248.354	4.54	0.37	0.57	23536.67	470733.36	0.99		5.0
		Total	66656.884	802.56	100.00	100.00					

RT: 0.00 - 1.92



MT971-20101014-TN-MS#1-34 RT: 0.02-1.92

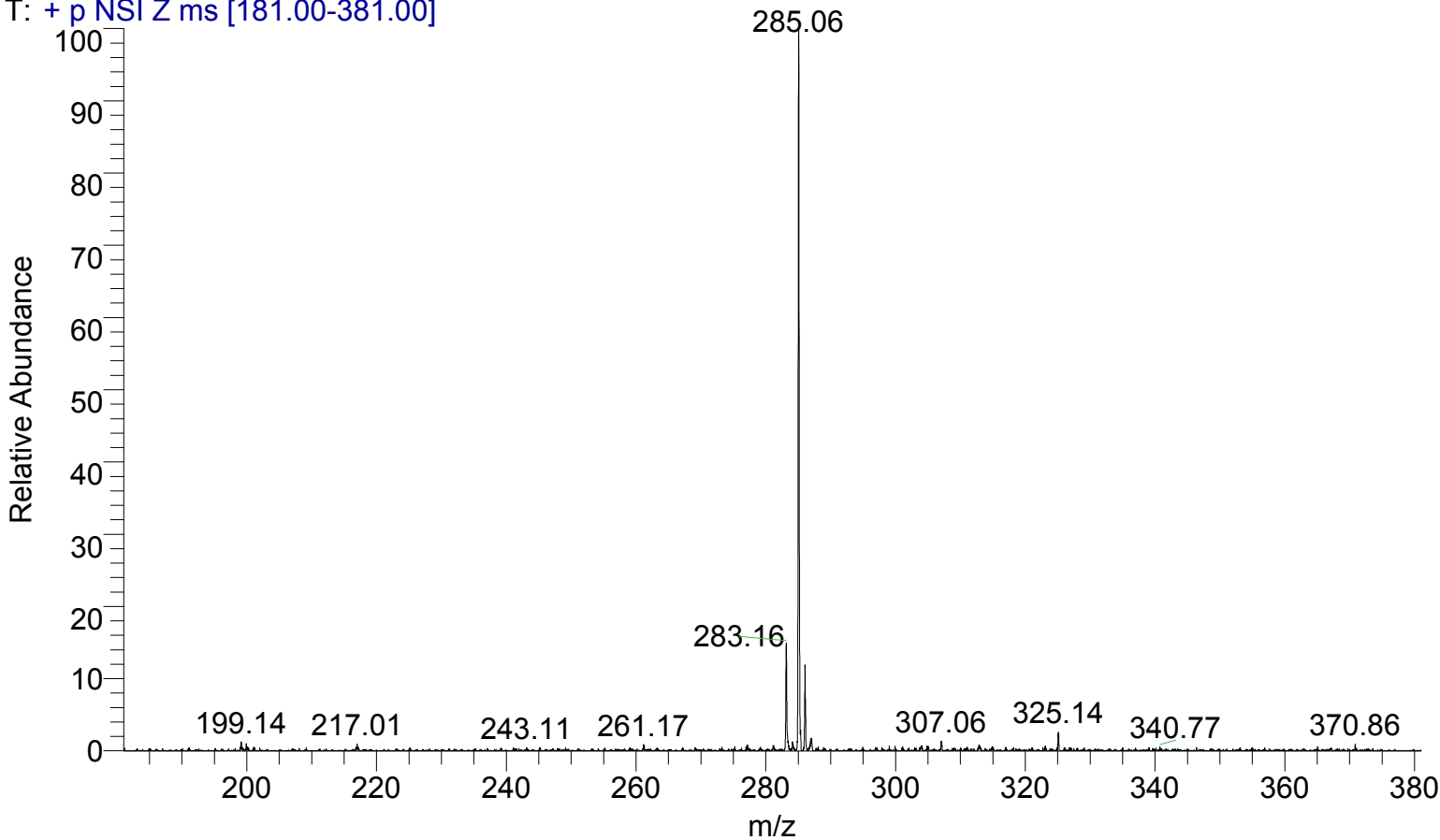
T: + p NSI Z ms [181.00-381.00]

m/z = 268.12-304.93

m/z	Intensity	Relative
279.18	44699.8	0.68
281.21	69561.2	1.05
283.19	1066538.6	16.13
284.13	105028.1	1.59
285.08	6613605.0	100.00
286.06	705695.6	10.67
286.95	212447.9	3.21
287.97	34701.1	0.52
289.00	32745.3	0.50
294.97	29590.0	0.45
297.00	37782.1	0.57
299.03	33676.0	0.51
301.08	30854.4	0.47
303.04	35604.3	0.54
303.98	68043.8	1.03

MT971-20101014-TN-MS #1-34 RT: 0.02-1.92 AV: 34 NL: 1.92E5

T: + p NSI Z ms [181.00-381.00]



MT971 3H NMR in MeOD
Batch 20101014-TN



BRUKER

6.713

NAME MT971-20101014-TN
EXPNO 3
PROCNO 1
Date_ 20101103
Time_ 16.18
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg
TD 16384
SOLVENT MeOD
NS 2531
DS 2
SWH 6172.839 Hz
FIDRES 0.376760 Hz
AQ 1.3271540 sec
RG 46341
DW 81.000 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 3H
P1 10.00 usec
PL1 2.00 dB
SF01 320.1321857 MHz
SI 32768
SF 320.1305850 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

