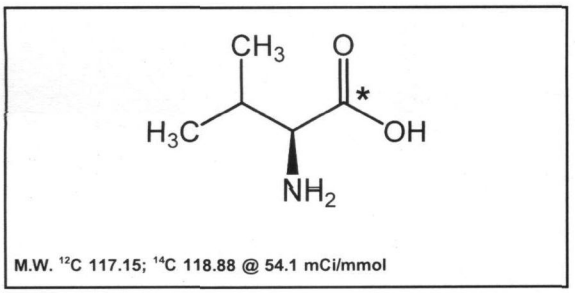
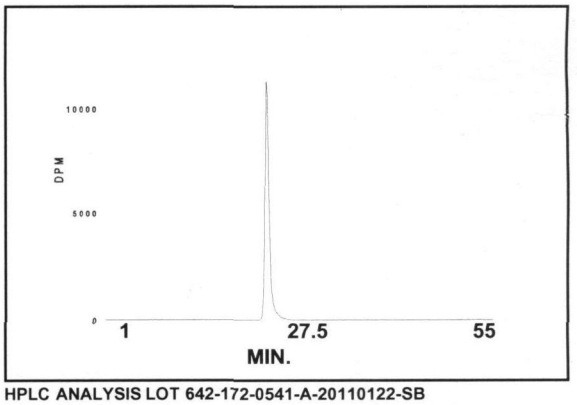
Product Data Sheet

MC-1133

L-Valine, [1-^{14}C]-



M.W. ^{12}C 117.15; ^{14}C 118.88 @ 54.1 mCi/mmol



HPLC ANALYSIS LOT 642-172-0541-A-20110122-SB
File Name: INTB4955 Date and Time: 1/24/2011 10:30:25 A
Unit 11 Radio

Peak #	Area %	Time	Area
1	99.85	22.99000	47266.13195
2	0.15	53.09670	71.95875
Totals	100.00		47338.09070

Lot #: 642-172-0541-A-20110122-SB

Specific Activity: 54.1 mCi/mmol

Concentration: 0.1 mCi/ml; 219.75 μg/ml

Packaged in: 0.01N HCl solution

Date of Analysis: January 24, 2011

Radiochemical Purity: 99.8%

Stability and Storage Recommendation: Store at 0-5°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.

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MC-1133

L-Valine, [1-^{14}C]-

Lot 642-172-0541-A-20110122-SB

A) The chromatogram was run using the HPLC method described on the Product Data Sheet.

Concentration and volume:

L-Valine, [1-^{14}C]- concentration was 75.0 µCi/ml.

Volume of **L-Valine, [1-^{14}C]-** alone injection was 1.0 µl.

B) Mass Spectrometry – Positive mode

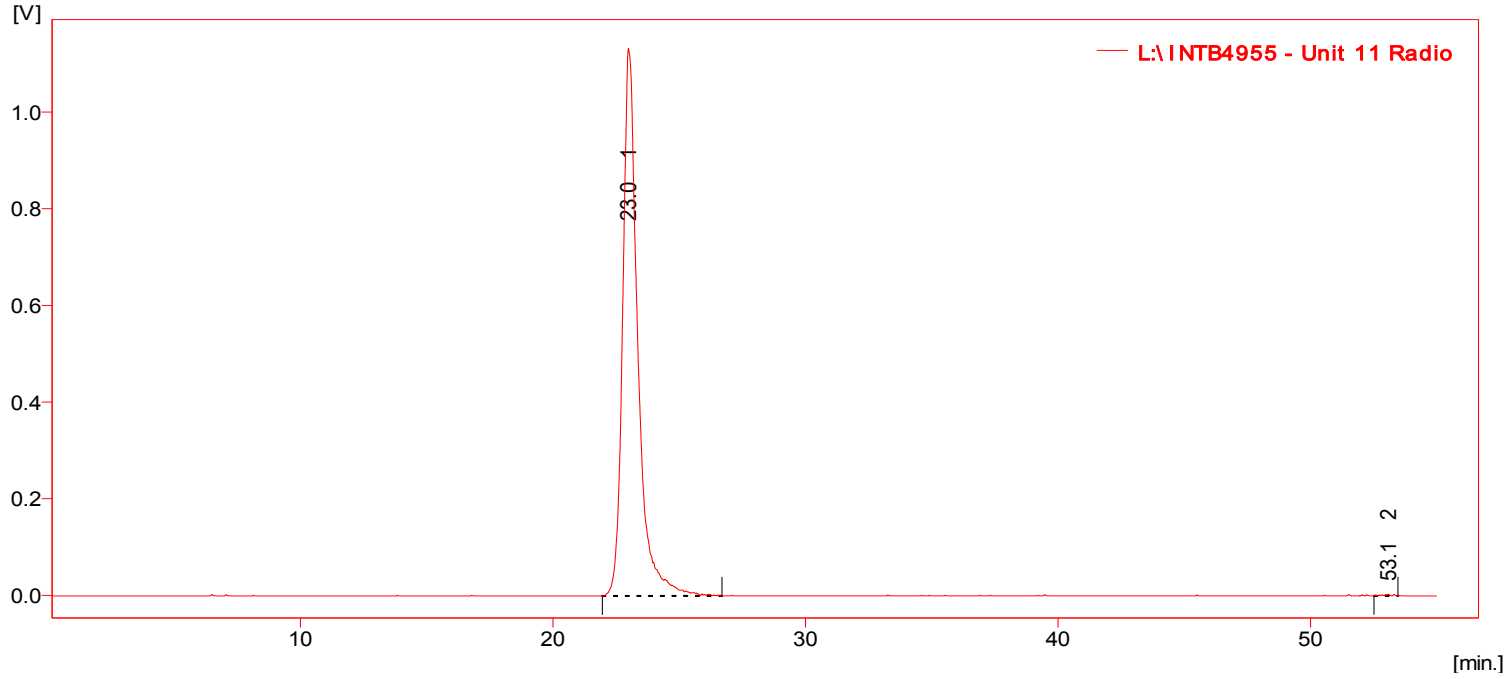
C) NMR

MC-1133
L-Valine, [1-14C]-
Lot 642-172-0541-A-20110122-SB

Chromatogram Info:

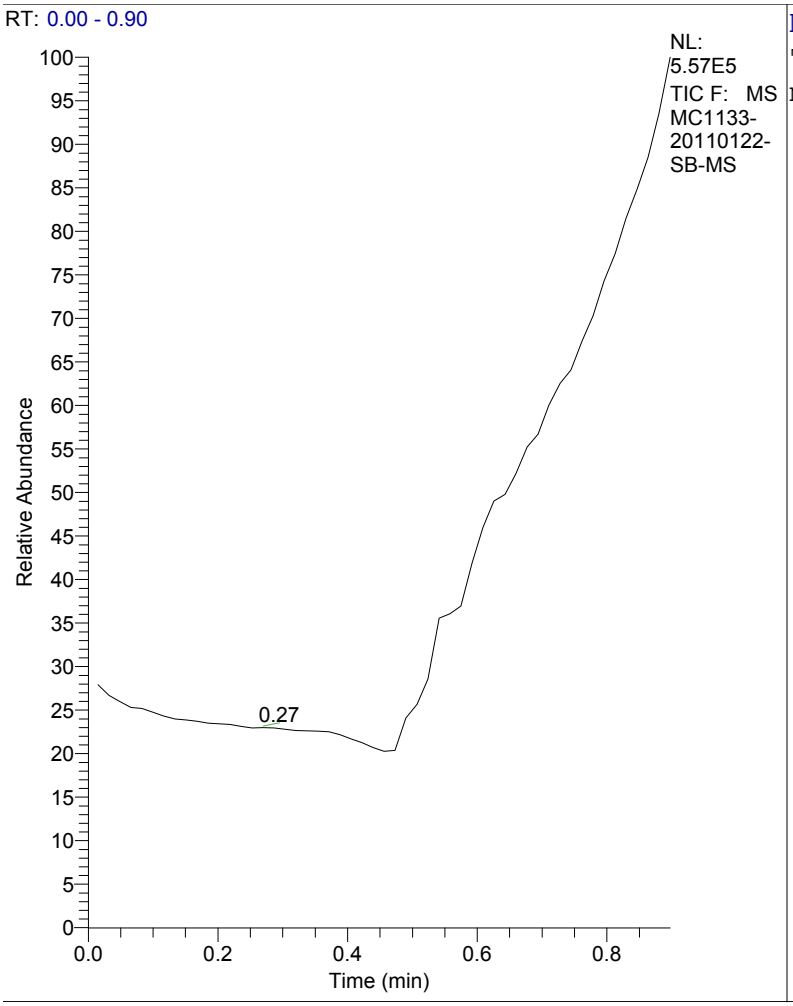
File Name	: L:\INTB4955	File Created	: 4/30/2014 12:24:02 PM
Origin	: Acquired, Acquisition started 1/24/2011 9:35:26 AM	Acquired Date	: 1/24/2011 10:30:25 AM
Project	: Work1	By	: Administrator

Method	: Unit11_55_min_run	By	: Administrator
Description	: Radiochemical trace of L-Valine, [1-14C]-		
Created	: 11/6/2007 2:08 PM	Modified	: 4/30/2014 12:29 PM
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\INTB4955 - Unit 11 Radio)

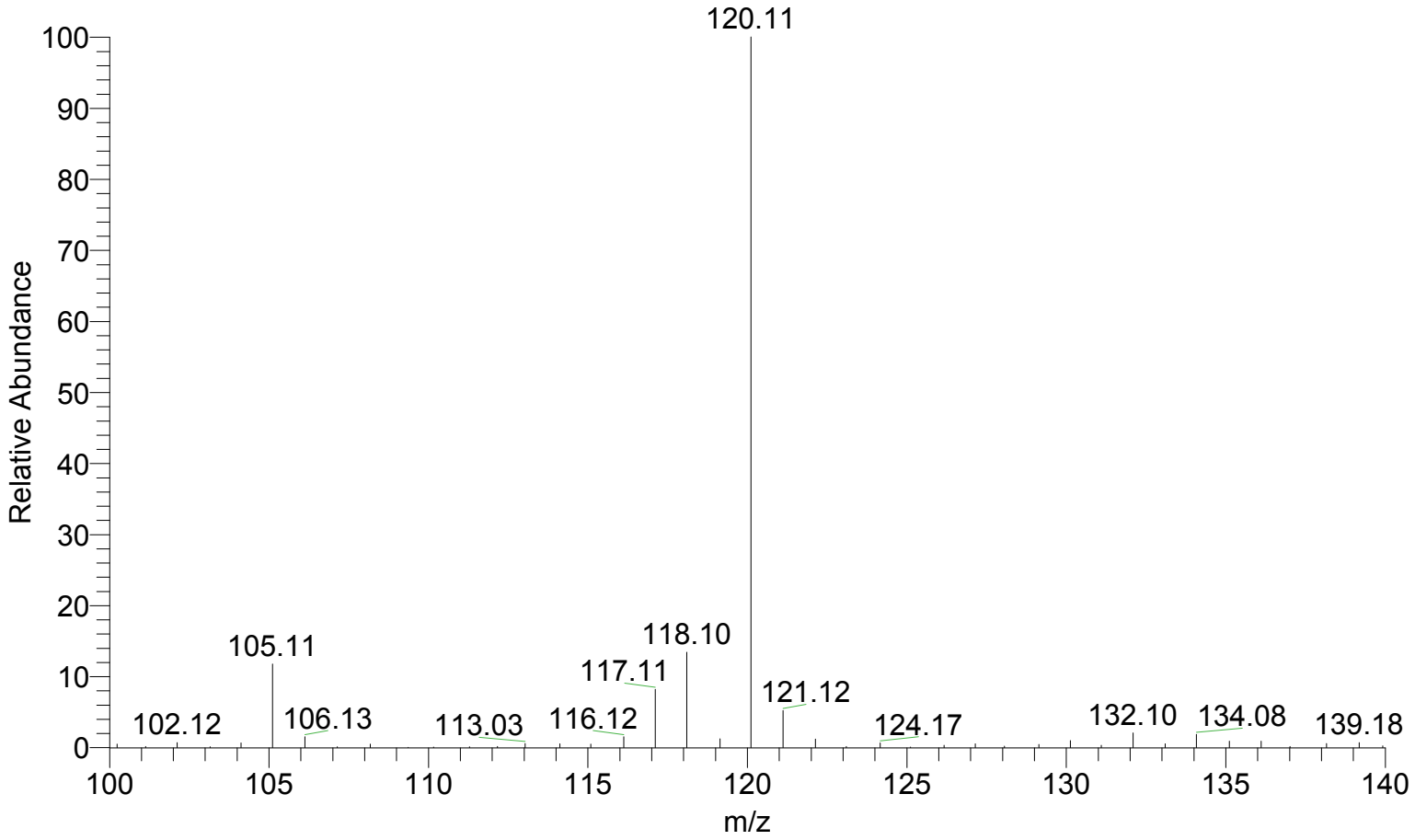
	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]	Efficiency [th.pl]	Eff/l [t.p./m]	Resolution [-]	Symmetry/ Tailing [-]	Response Factor
1		22.99	47266.291	1133.19	99.85	99.7	0.59	2606	52125		1.44	
2		53.09	71.842	3.42	0.15	0.3	0.12	54186	1083726	50.03	0.65	
		Total	47338.132	1136.60	100.00	100.0						



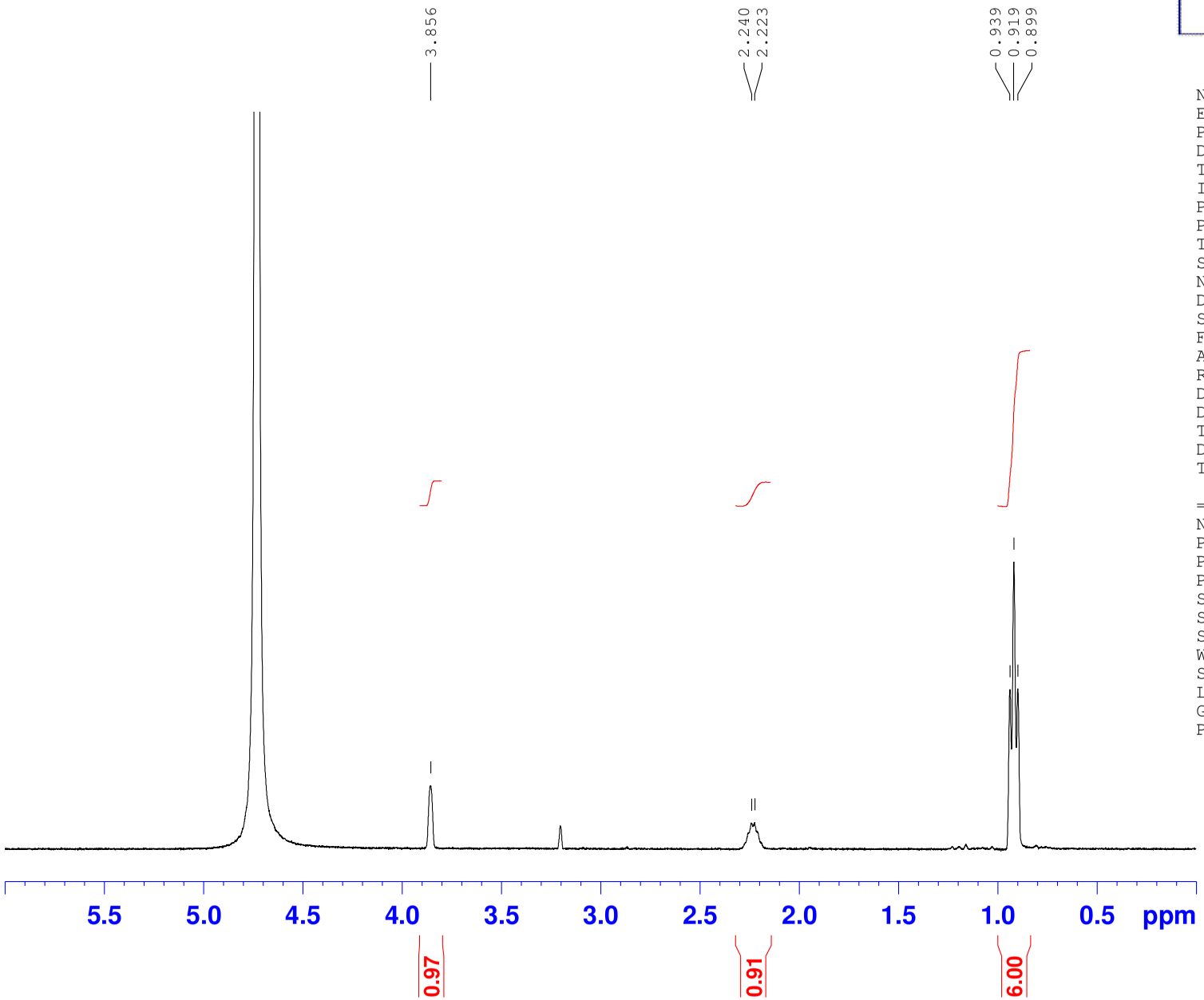
MC1133-20110122-SB-MS#1-53 RT: 0.01-0.90
T: + c Q3MS [100.00-140.00]
m/z= 115.00-125.27

m/z	Intensity	Relative
115.07	666.9	0.54
116.11	1928.9	1.55
117.12	16964.6	13.67
118.10	18859.5	15.20
119.13	1817.5	1.46
120.11	124078.8	100.00
121.12	6641.1	5.35
122.13	1560.8	1.26
123.11	233.5	0.19
124.15	1014.2	0.82
125.11	201.2	0.16

MC1133-20110122-SB-MS #1-38 RT: 0.01-0.64 AV: 38 NL: 9.41E4
T: + c Q3MS [100.00-140.00]



MC1133 1H NMR in D2O
Batch 20110122-SB



NAME	MC1133-20110122-SE
EXPNO	1
PROCNO	1
Date_	20110531
Time	14.02
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	D2O
NS	256
DS	2
SWH	8278.146 Hz
FIDRES	0.126314 Hz
AQ	3.9584243 sec
RG	4
DW	60.400 use
DE	6.50 use
TE	295.3 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 =======	
NUC1	1H
P1	14.50 use
PL1	-0.70 dB
PL1W	10.03411102 W
SFO1	400.1324710 MHz
SI	32768
SF	400.1300000 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.00