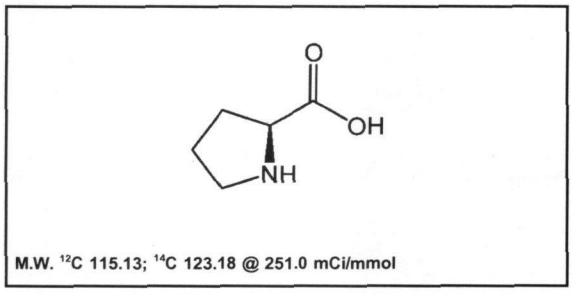
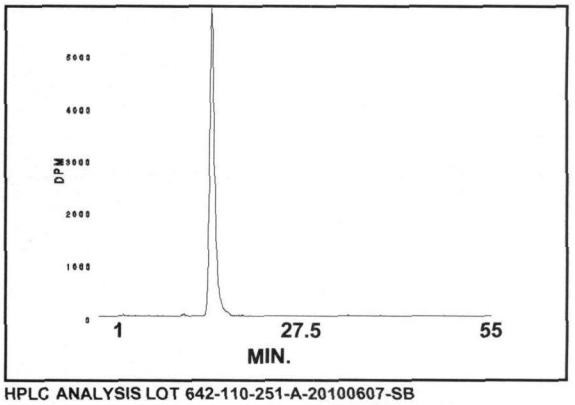
Product Data Sheet

MC-263

L-Proline, [^{14}C(U)]-



M.W. ^{12}C 115.13; ^{14}C 123.18 @ 251.0 mCi/mmol



HPLC ANALYSIS LOT 642-110-251-A-20100607-SB
File Name: INTB6140 Date and Time: 11/17/2011 1:50:55 P
Unit 11 Radio

Peak #	Area %	Time	Area
1	0.47	11.96670	135.10149
2	99.19	15.88330	28708.34986
3	0.10	17.13000	28.81309
4	0.22	18.05000	62.27645
5	0.03	18.58000	8.41532
Totals	100.00		28942.95621

Lot #: 642-110-251-A-20100607-SB

Specific Activity: 251.0 mCi/mmol

Concentration: 0.1 mCi/ml; 49.07 μg/ml

Packaged in: Ethanol : water (2 : 98) solution

Date of Analysis: November 17, 2011

Radiochemical Purity: 99.1%

Stability and Storage Recommendation: The rate of decomposition is approximately 0.1%/month for the first six months after purification when stored 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-263

L-Proline, [^{14}C(U)]-

Lot 642-110-251-A-20100607-SB

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

Concentrations and volumes:

L-Proline, [^{14}C(U)]- concentration was 50.0 µCi/ml.

Volume of **L-Proline, [^{14}C(U)]-** injection was 1.5 µl.

B) Mass spectrometry – Positive mode

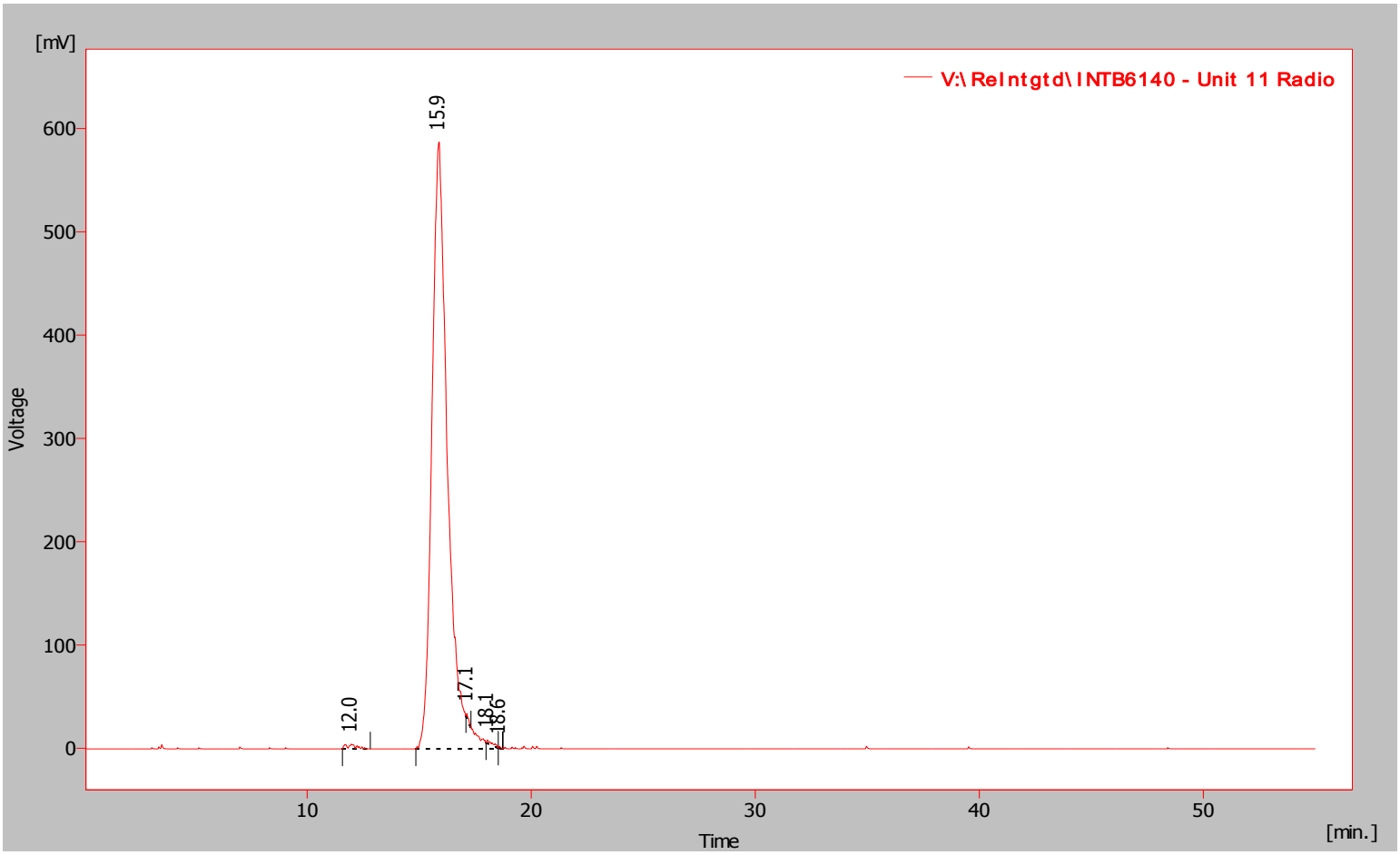
C) NMR

MC-263
L-Proline, [14C(U)]-
Lot 642-110-251-A-20100607-SB

Chromatogram Info:

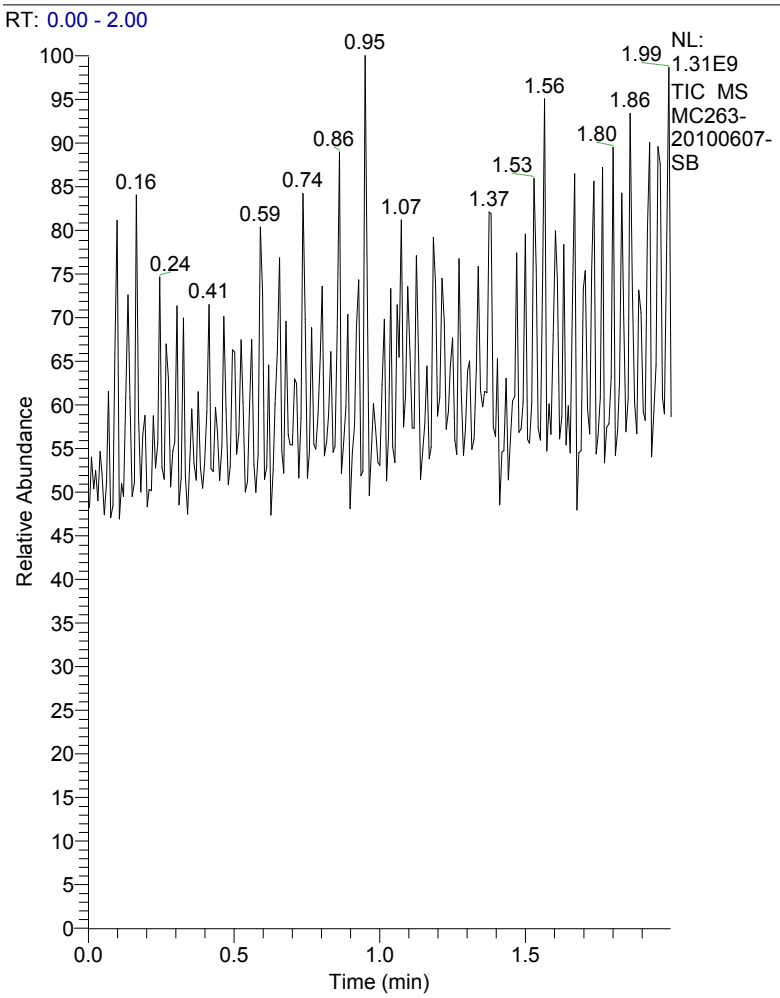
File Name	: V:\ReIntgtd\INTB6140	File Created	: 11/17/2011 3:56:55 PM
Origin	: Save File L:\INTB6140.PRM As V:\ReIntgtd\INTB6140.PRM	Acquired Date	: 11/17/2011 1:50:55 PM
Project	: Test	By	: Administrator

Method	: Unit11_55_min_run	By	: Administrator
Description	: Radiochemical trace of L-Proline, [14C(U)]-		
Created	: 11/6/2007 2:08 PM	Modified	: 10/22/2013 3:08 PM
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



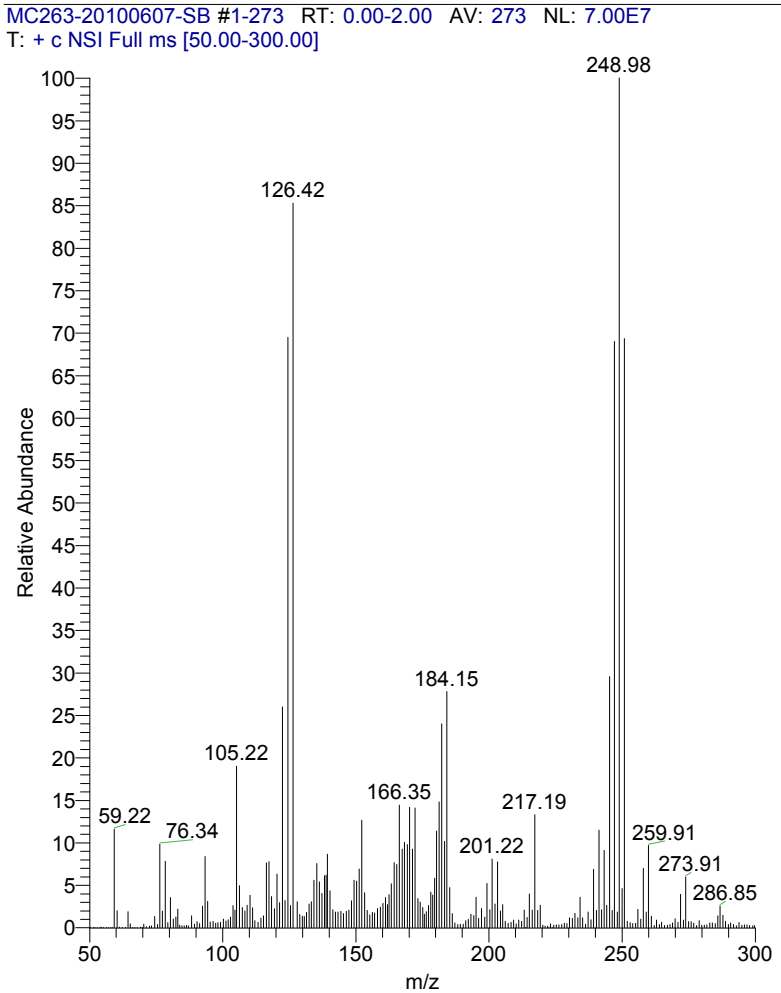
Result Table (Uncal - V:\ReIntgtd\INTB6140 - Unit 11 Radio)

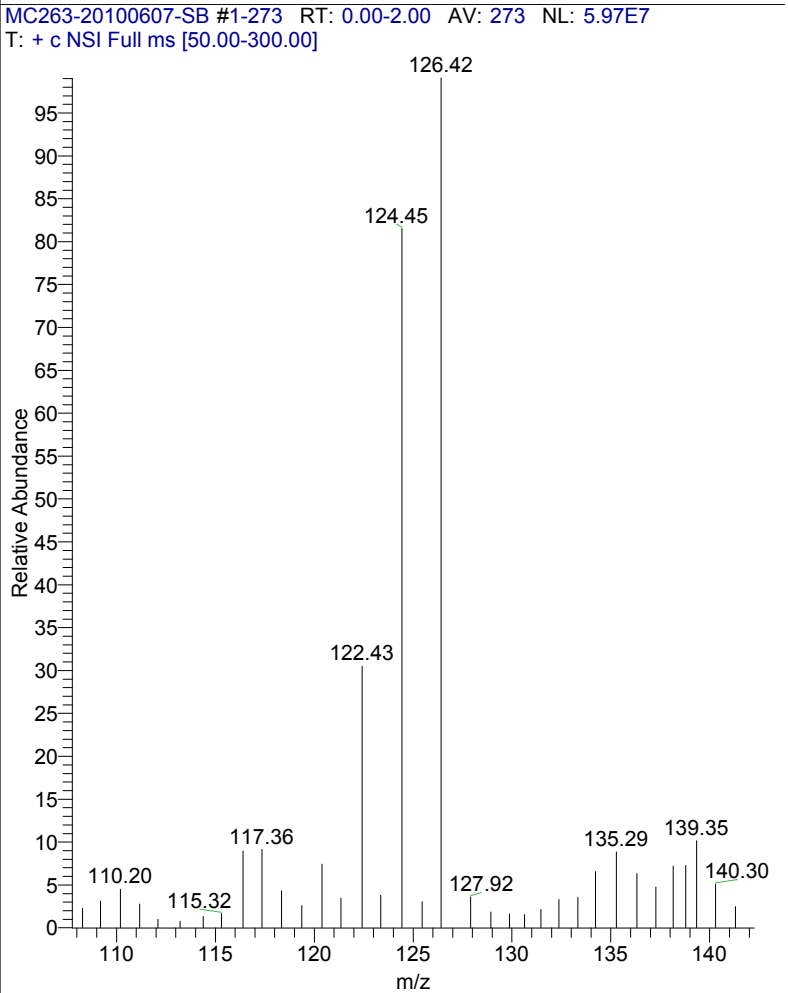
	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		11.967	0.467	135.101	4.521	0.751	2158.879
2		15.883	99.188	28708.053	587.411	97.557	0.000
3		17.130	0.100	28.813	4.553	0.756	139097.857
4		18.050	0.216	62.573	3.431	0.570	15844.125
5		18.580	0.029	8.415	2.205	0.366	392428.658
		Total	100.000	28942.956	602.120	100.000	



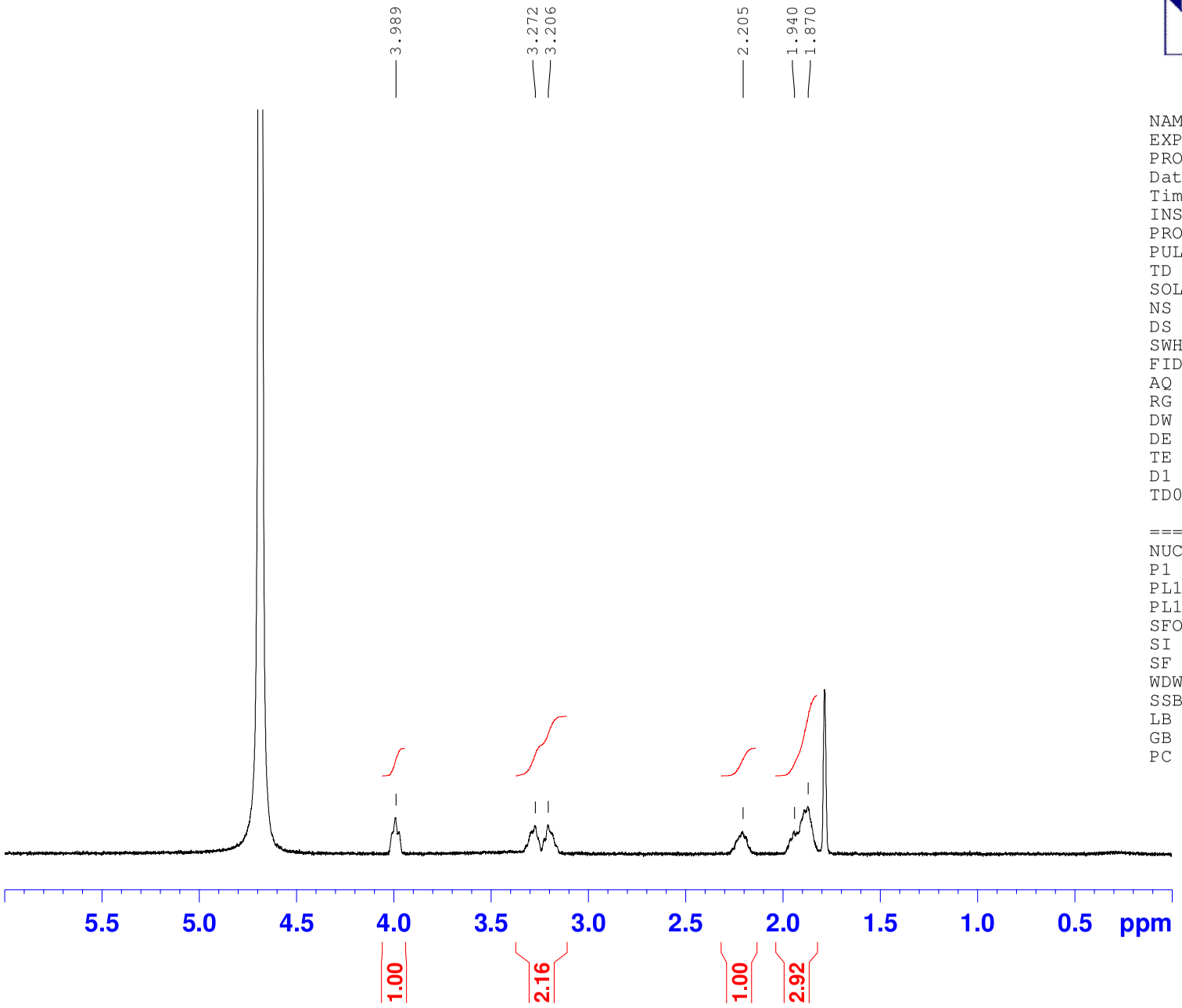
MC263-20100607-SB#1-273 RT: 0.00-2.00 AV:
T: + c NSI Full ms [50.00-300.00]
m/z= 113.43-131.83

m/z	Intensity	Relative
115.32	964007.3	1.62
116.41	5328213.2	8.93
117.36	5448936.0	9.13
118.36	2553392.3	4.28
119.38	1539116.0	2.58
120.40	4413937.9	7.40
121.36	2041677.3	3.42
122.43	18187078.5	30.47
123.36	2243851.7	3.76
124.45	48636797.5	81.49
125.46	1809003.9	3.03
126.42	59682956.2	100.00
127.92	2137731.3	3.58
128.93	1081244.4	1.81
129.88	939112.2	1.57
130.65	912634.4	1.53
131.47	1263443.1	2.12





MC263 1H NMR in D2O
Batch 20100607-SB



NAME	MC263-20100607-SB
EXPNO	1
PROCNO	1
Date_	20100726
Time	12.50
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	D2O
NS	512
DS	2
SWH	8278.146 Hz
FIDRES	0.126314 Hz
AQ	3.9584243 sec
RG	4
DW	60.400 usec
DE	6.50 usec
TE	294.6 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 ========	
NUC1	1H
P1	14.50 usec
PL1	-0.70 dB
PL1W	10.03411102 W
SFO1	400.1324710 MHz
SI	32768
SF	400.1300062 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.00