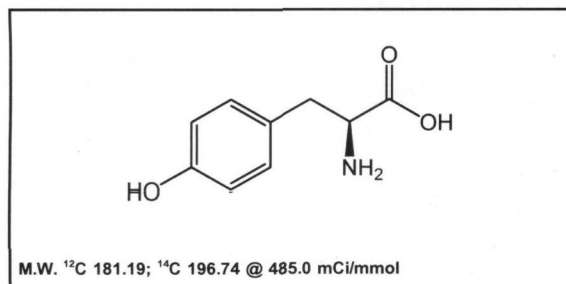




Product Data Sheet

MC-275

L-Tyrosine, [¹⁴C(U)]-



Lot #: 251-107-485-A-20090914-SB

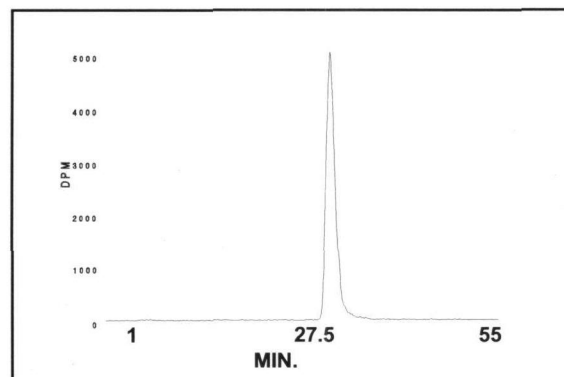
Specific Activity: 485.0 mCi/mmol

Concentration: 0.1 mCi/ml; 40.56 µg/ml

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

Date of Analysis: May 02, 2013

Radiochemical Purity: 99.6%



HPLC ANALYSIS LOT 251-107-485-A-20090914-SB
File Name: int62322 Date and Time: 5/2/2013 11:43:57 AM
Unit 6 Radio

Peak #	Area %	Time	Area
1	0.24	6.29330	109.42072
2	99.62	31.48330	45560.91344
3	0.08	33.48670	37.40811
4	0.06	34.18670	25.32113
Totals	100.00		45733.06340

Stability and Storage Recommendation: The rate of decomposition is approximately 0.1-0.5%/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.

MC-275

L-Tyrosine, [¹⁴C(U)]-

Lot 251-107-485-A-20090914-SB

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

Concentrations and volumes:

L-Tyrosine, [¹⁴C(U)]- concentration was 50.0 µCi/ml.

Volume of L-Tyrosine, [¹⁴C(U)]- injection was 1.0 µl.

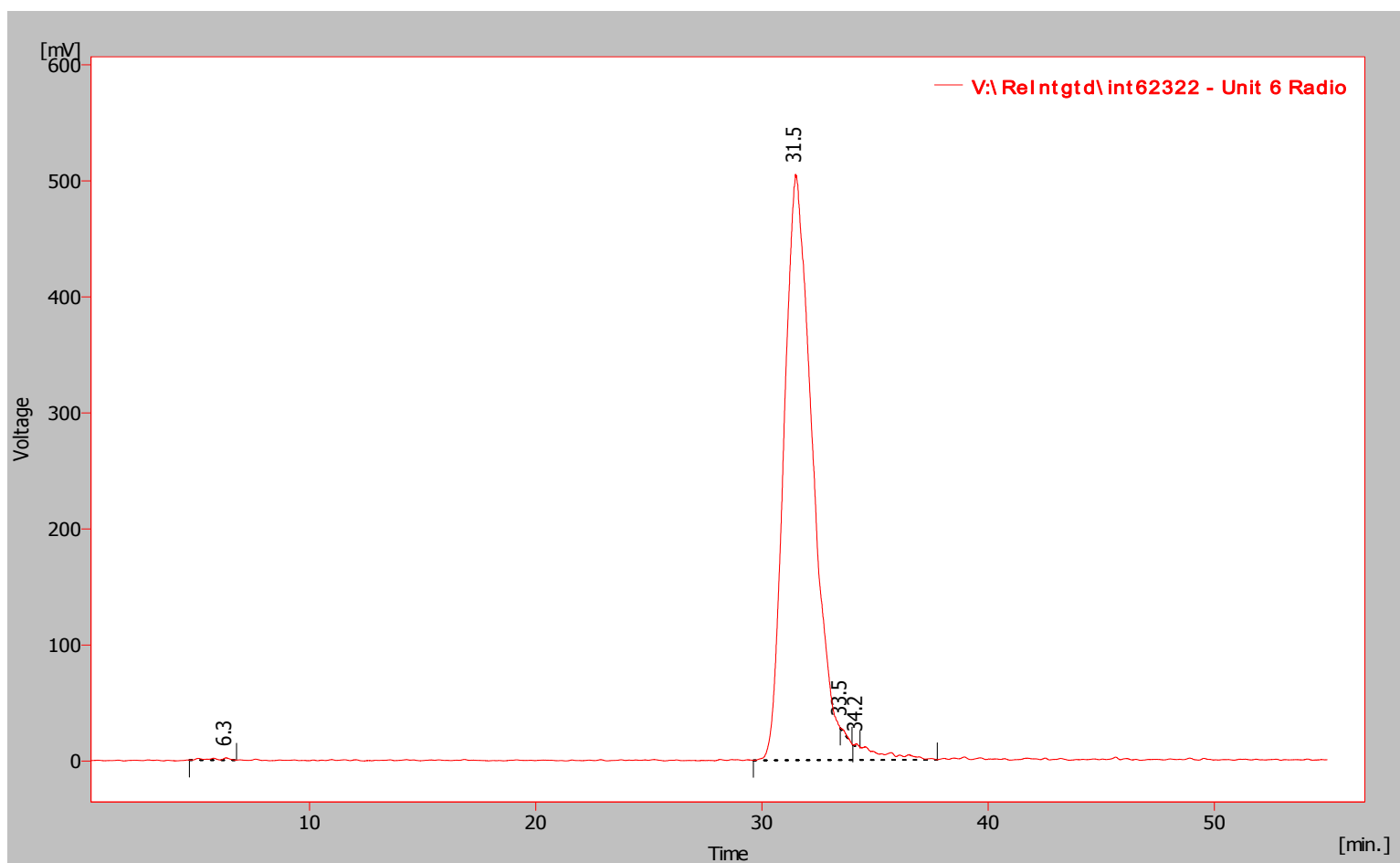
B) Mass spectrometry – Positive mode

C) NMR

MC-275
L-Tyrosine, [14C(U)]-
Lot 251-107-485-A-20090914-SB

Chromatogram Info:

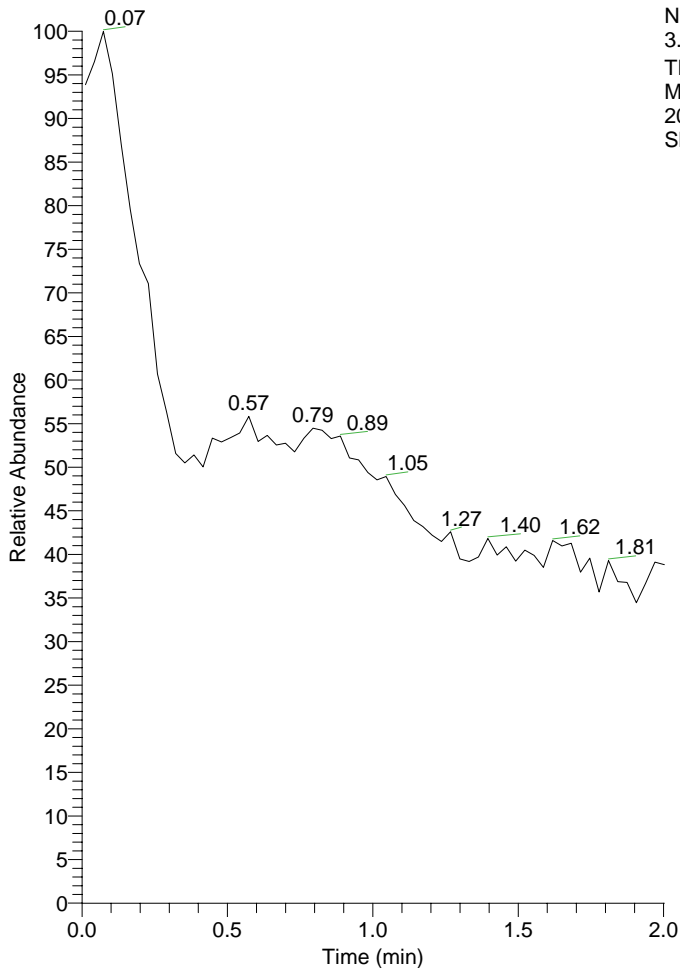
File Name	: V:\ReIntgtd\int62322	File Created	: 10/23/2013 11:03:08 AM
Origin	: Acquired, Acquisition started 5/2/2013 10:48:58 AM	Acquired Date	: 5/2/2013 11:43:57 AM
Project	: Test	By	: Administrator
Method	: Unit6-55minrun	By	: Administrator
Description	: Radiochemical trace of L-Tyrosine, [14C(U)]-	Modified	: 10/23/2013 11:03 AM
Created	: 6/30/2010 9:35 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - V:\ReIntgtd\int62322 - Unit 6 Radio)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		6.293	0.239	109.421	2.169	0.425	2670.034
2		31.483	99.624	45560.913	505.043	98.884	2939.991
3		33.487	0.082	37.408	0.801	0.157	2852594.503
4		34.187	0.055	25.321	2.729	0.534	275391.243
		Total	100.000	45733.063	510.742	100.000	

RT: 0.00 - 2.00



NL:
3.13E7
TIC MS
MC275-
20090914-
SB-MS

MC275-20090914-SB-MS#1-64 RT: 0.01-2.00

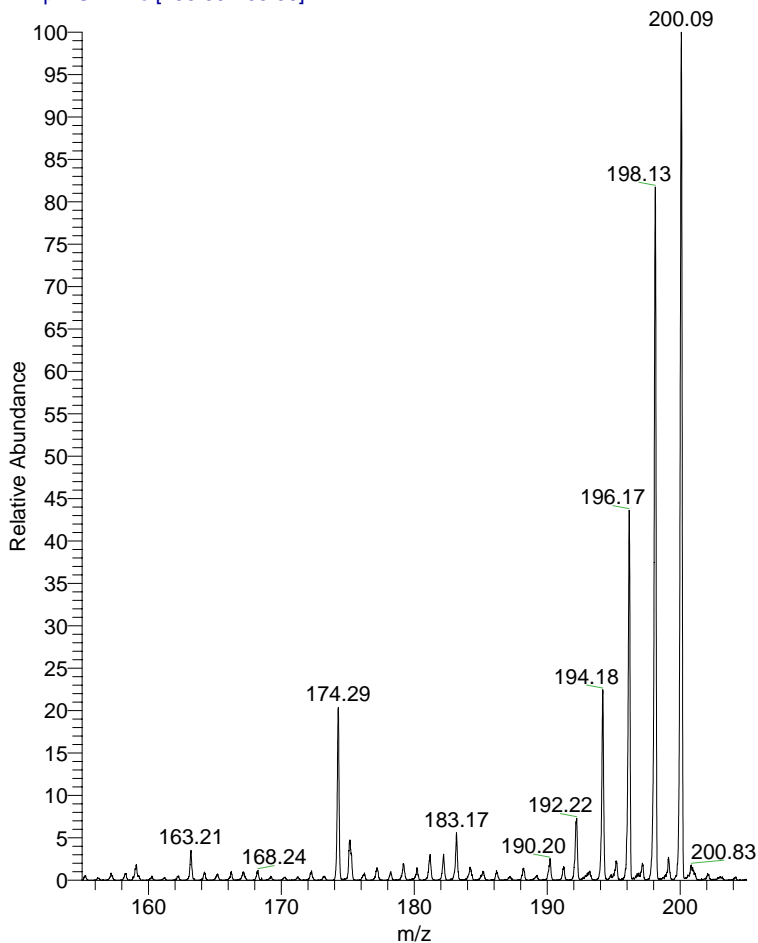
T: + p NSI Z ms [155.00-205.00]

m/z = 179.50-203.57

m/z	Intensity	Relative
180.18	70772.3	1.57
181.17	151323.9	3.36
182.18	138445.1	3.07
183.16	251623.0	5.58
184.27	51737.0	1.15
186.21	54079.0	1.20
188.21	73513.1	1.63
190.18	127915.2	2.84
191.17	52032.3	1.15
192.17	388217.5	8.61
193.22	46772.7	1.04
194.16	972645.1	21.58
195.18	118758.8	2.63
196.14	1913490.9	42.45
197.14	99128.3	2.20
198.10	3623607.8	80.39
199.12	129030.0	2.86
200.06	4507573.0	100.00
200.80	70654.6	1.57
200.98	58915.8	1.31

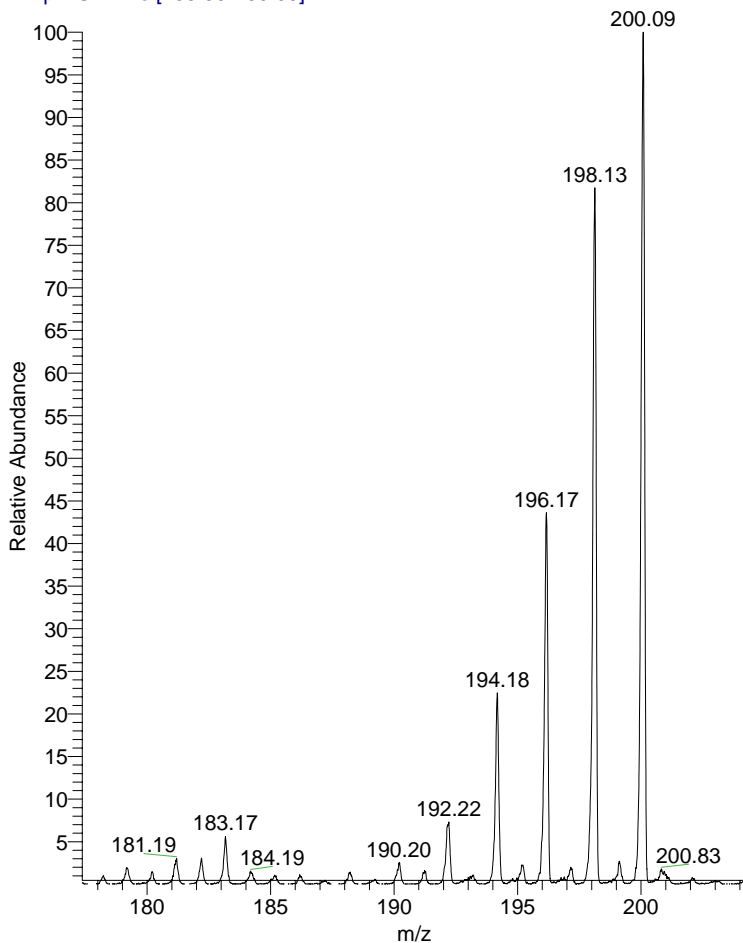
MC275-20090914-SB-MS #1-64 RT: 0.01-2.00 AV: 64 NL: 1.31E5

T: + p NSI Z ms [155.00-205.00]



MC275-20090914-SB-MS #1-64 RT: 0.01-2.00 AV: 64 NL: 1.31E5

T: + p NSI Z ms [155.00-205.00]



MC275 1H NMR in D2O
Batch 20090914-SB



7.064
6.781
3.807
3.238
3.059
2.935

NAME MC275
EXPNO 1
PROCNO 1
Date_ 20091202
Time 14.45
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT D2O
NS 587
DS 2
SWH 5208.333 Hz
FIDRES 0.079473 Hz
AQ 6.2915058 sec
RG 362
DW 96.000 usec
DE 6.50 usec
TE 294.7 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PL1 -0.70 dB
PL1W 10.03411102 W
SF01 400.1324710 MHz
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 7.00 Hz
GB 0
PC 1.00

