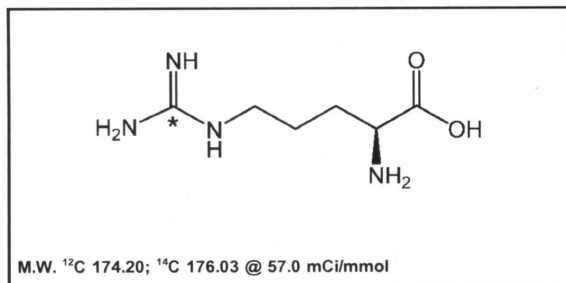




Product Data Sheet

MC-2185

L-Arginine, [guanido-¹⁴C]-



Lot #: 137-088-057-A-20080221-NT

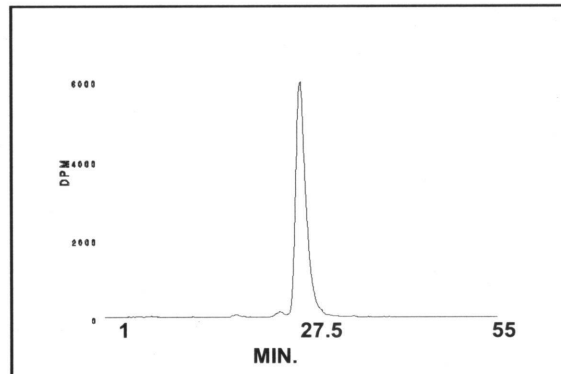
Specific Activity: 57.0 mCi/mmol

Concentration: 0.1 mCi/ml; 308.8 µg/ml

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

Date of Analysis: October 19, 2011

Radiochemical Purity: 96.7%



Peak #	Area %	Time	Area
1	0.55	6.56670	350.22902
2	0.79	18.46670	505.01794
3	1.69	24.59000	1078.63659
4	96.75	27.52000	61892.22157
5	0.09	31.36000	54.86071
6	0.14	35.01000	88.65225
Totals	100.00		63969.61808

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.

MC-2185

L-Arginine, [guanido-¹⁴C]-

Lot 137-088-057-A-20080221-NT

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

Concentrations and volumes:

L-Arginine, [guanido-¹⁴C]- concentration was 0.1 mCi/ml.

Volume of L-Arginine, [guanido-¹⁴C]- injection was 1.0 µl.

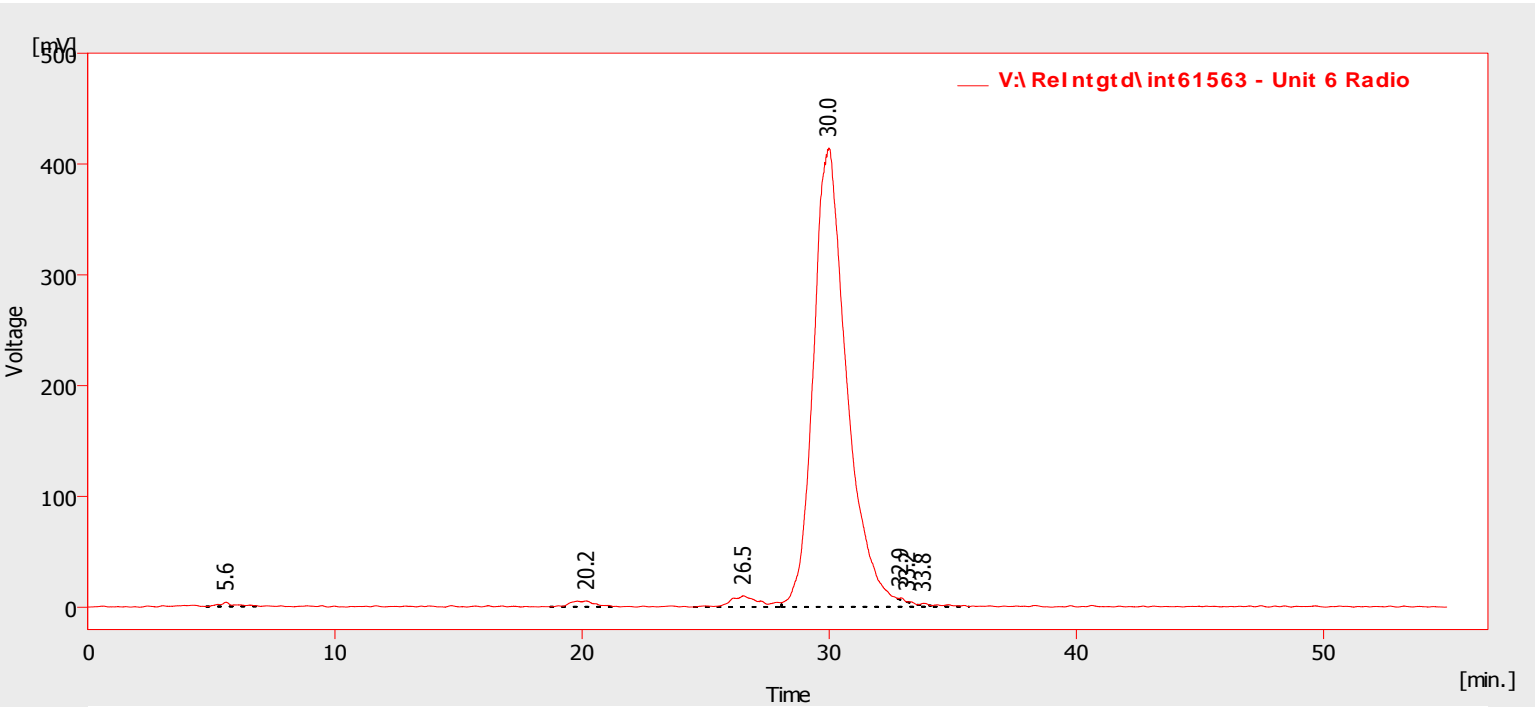
B) Mass spectrometry – Positive mode

C) NMR

MC-2185
L-Arginine, [guanido-14C]-
Lot 137-088-057-A-20080221-NT

Chromatogram Info:

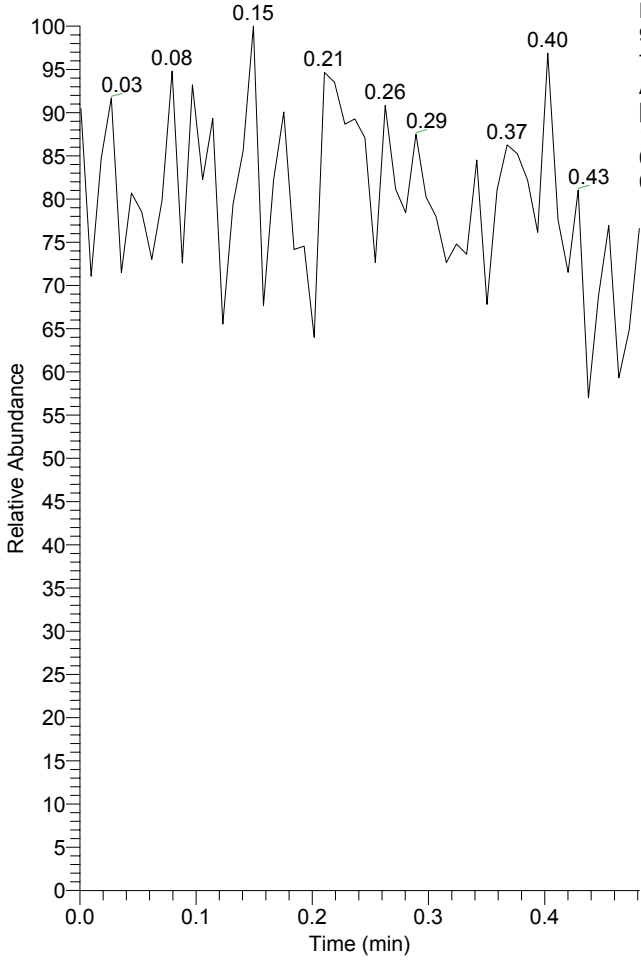
File Name	: V:\ReIntgtd\int61563	File Created	: 10/25/2010 11:58:52 AM
Origin	: Acquired	Acquired Date	: 10/25/2010 11:54:02 AM
Project	: Test	By	: Administrator
Method	: Unit6-55minrun	By	: Administrator
Description	: Radiochemical trace of L-Arginine, [guanido-14C]-	Modified	: 11/1/2010 3:15 PM
Created	: 6/30/2010 9:35 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - V:\ReIntgtd\int61563 - Unit 6 Radio)

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	5.607	178.769	4.009	0.44	0.9	0.31
2	20.197	384.317	5.446	0.95	1.2	1.03
3	26.537	852.566	10.130	2.10	2.3	1.10
4	29.987	39134.933	414.266	96.34	94.5	1.36
5	32.903	23.022	2.007	0.06	0.5	0.23
6	33.183	16.401	0.544	0.04	0.1	0.15
7	33.820	31.464	1.804	0.08	0.4	0.29
	Total	40621.472	438.205	100.00	100.0	

RT: 0.00 - 0.48



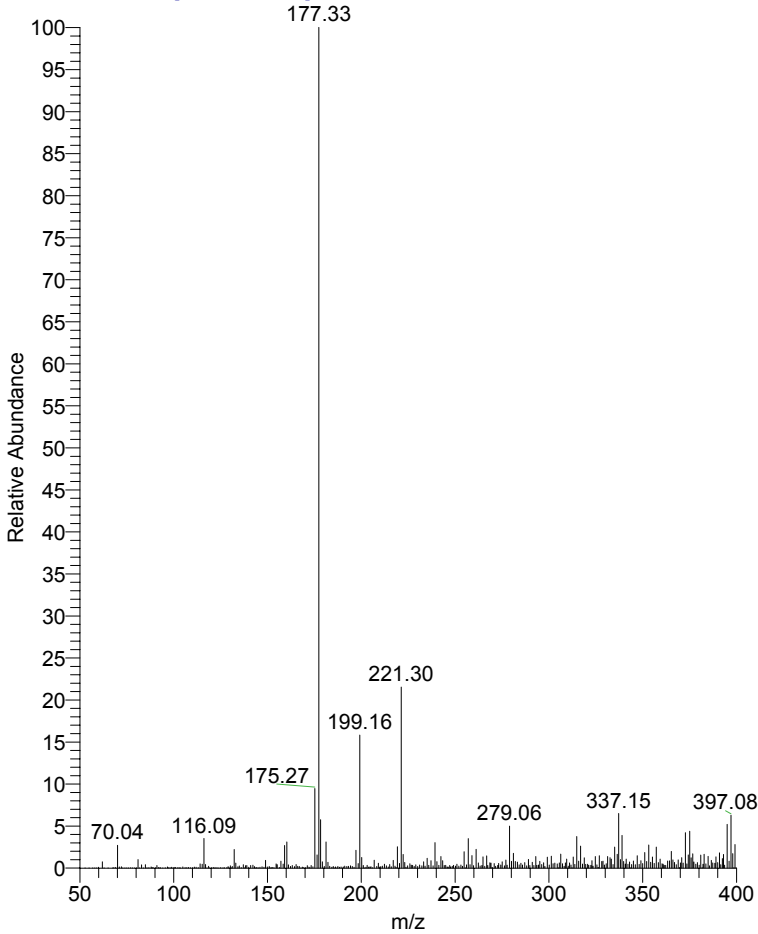
NL:
9.12E8
TIC MS
Arginine (L)
[14C] Lot
137-
088_0809241
05926

T: + c NSI Full ms [50.00-400.00]

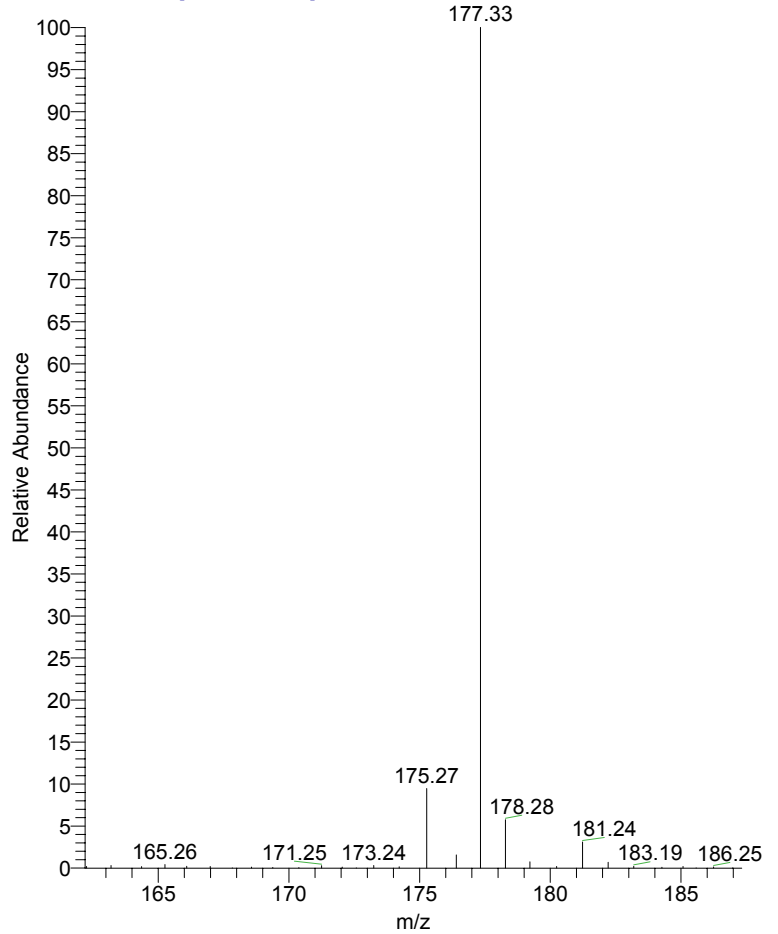
m/z = 173.44-179.21

m/z	Intensity	Relative
174.22	270834.9	0.14
175.27	17720461.6	9.44
176.40	2921070.7	1.56
177.33	187639259.4	100.00
178.28	10752239.8	5.73

Arginine (L) [14C] Lot 137-088_080924105926 #1-56 RT: 0.00-0.48 AV: 56
T: + c NSI Full ms [50.00-400.00]



Arginine (L) [14C] Lot 137-088_080924105926 #1-56 RT: 0.00-0.48 AV: 56
T: + c NSI Full ms [50.00-400.00]



Arginine (L) [14C]- 1H NMR in D2O
Lot 137-088



1.874
1.867
1.852
1.829
1.824
1.719
1.696
1.675
1.652
1.645
1.631
1.622
1.608
1.599
1.586
1.575

3.204
3.181
3.158
2.991

3.793
3.773
3.753

Current Data Parameters
NAME Arginine (L) [14C]
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20081124
Time 13.21
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg30
TD 65536
SOLVENT D2O
NS 509
DS 2
SWH 4194.631 Hz
FIDRES 0.064005 Hz
AQ 7.8119411 sec
RG 362
DW 119.200 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 10.25 usec
PL1 0.00 dB
SF01 300.1318534 MHz

F2 - Processing parameters
SI 32768
SF 300.1300000 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

