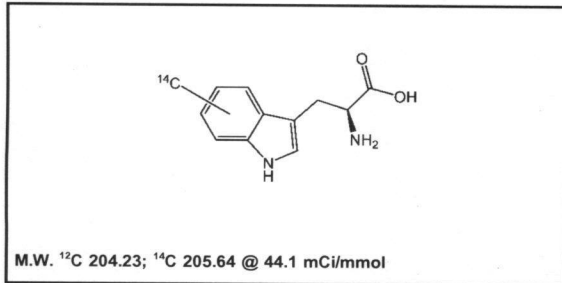




Product Data Sheet

MC-2335

L-Tryptophan, [phenyl-¹⁴C(U)]-



Lot #: 642-125-0441-A-20100714-SB

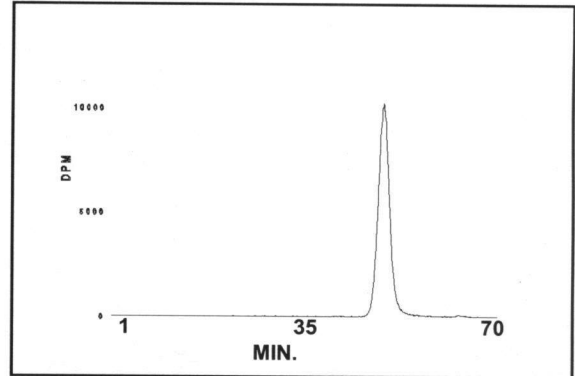
Specific Activity: 44.1 Ci/mmol

Concentration: 0.1 mCi/ml; 466.31 µg/ml

Packaged in: Ethanol : water (1 : 1) solution

Date of Analysis: July 14, 2010

Radiochemical Purity: 99.4%



HPLC ANALYSIS LOT 642-125-0441-A-20100714-SB
File Name: INTB4328 Date and Time: 7/14/2010 10:52:57 A
Unit 11 Radio

Peak #	Area %	Time	Area
1	99.49	49.34000	148048.92087
2	0.51	62.74330	758.53088
Totals	100.00		148807.45175

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.

MC-2335

L-Tryptophan, [phenyl-¹⁴C(U)]-

Lot 642-125-0441-A-20100714-SB

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

Concentrations and volumes:

L-Tryptophan, [phenyl-¹⁴C(U)]- concentration was 100 µCi/ml.

Volume of **L-Tryptophan [phenyl-¹⁴C(U)]-** injection was 2.5 µl.

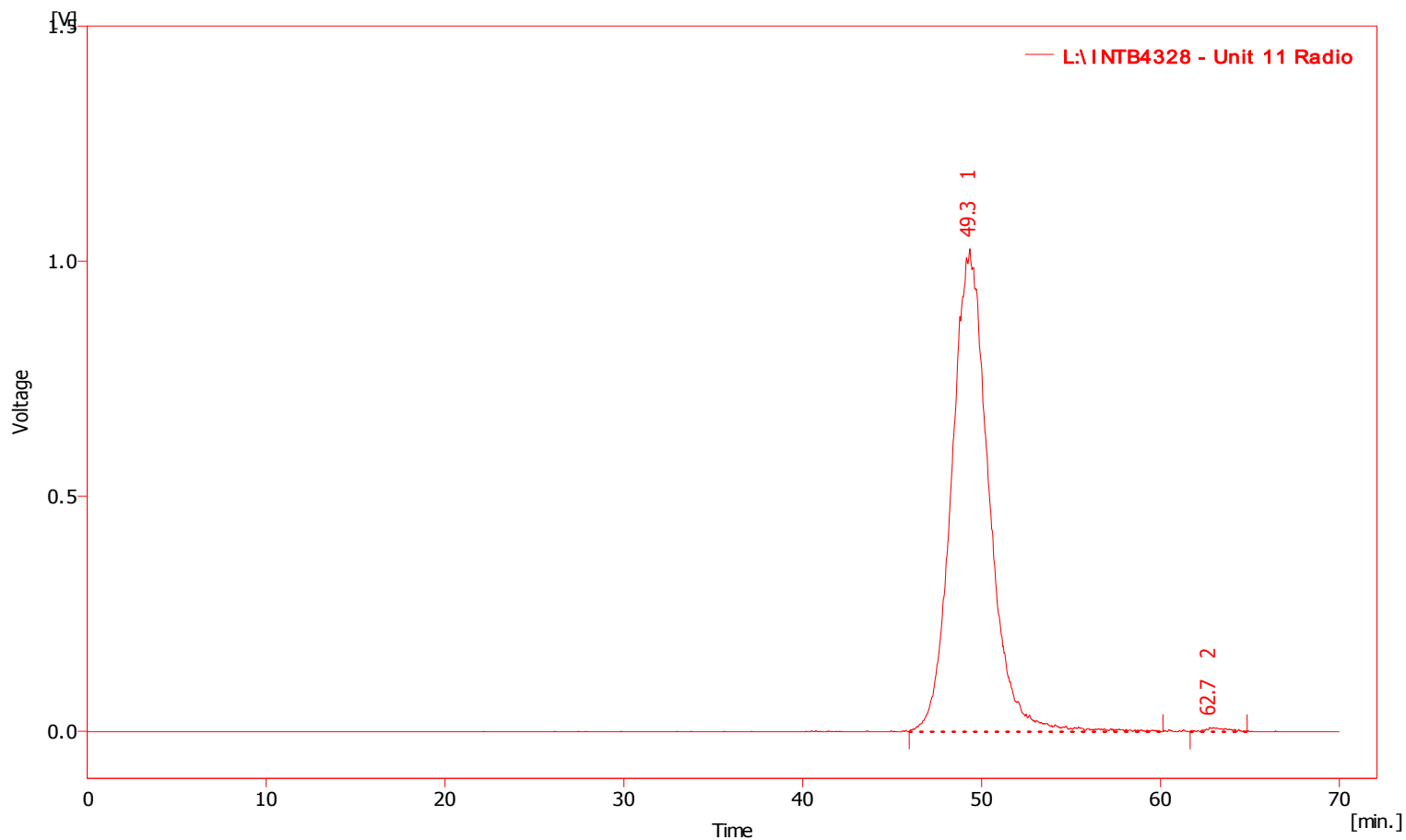
B) Mass spectrometry – Positive mode

C) NMR

MC-2335
L-Tryptophan, [phenyl-14C(U)]
Lot 642-125-0441-A-20100714-SB

Chromatogram Info:

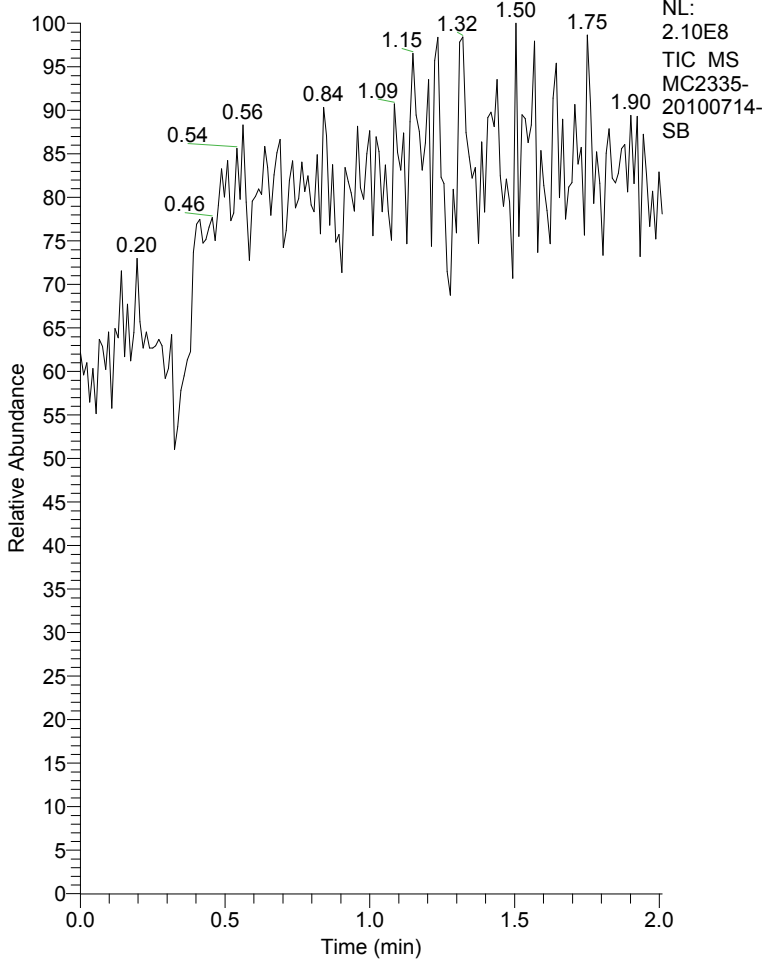
File Name	: L:\INTB4328	File Created	: 2/18/2014 1:29:30 PM
Origin	: Acquired, Acquisition started 7/14/2010 9:42:58 AM	Acquired Date	: 7/14/2010 10:52:57 AM
Project	: Test	By	: Administrator
Method	: Unit11_70_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material	Modified	: 2/18/2014 1:41 PM
Created	: 7/30/2007 10:00 AM	Detection	: Radiochemical
Column	:	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



Result Table (Uncal - L:\INTB4328 - Unit 11 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		49.34	148048.921	1027.47	99.49	99.12	1429.64	28592.76	1.13		
2		62.74	758.531	9.16	0.51	0.88	9041.88	180837.50	2.28		5.0
		Total	148807.452	1036.63	100.00	100.00					

RT: 0.00 - 2.01



MC2335-20100714-SB#1-188 RT: 0.00-2.01

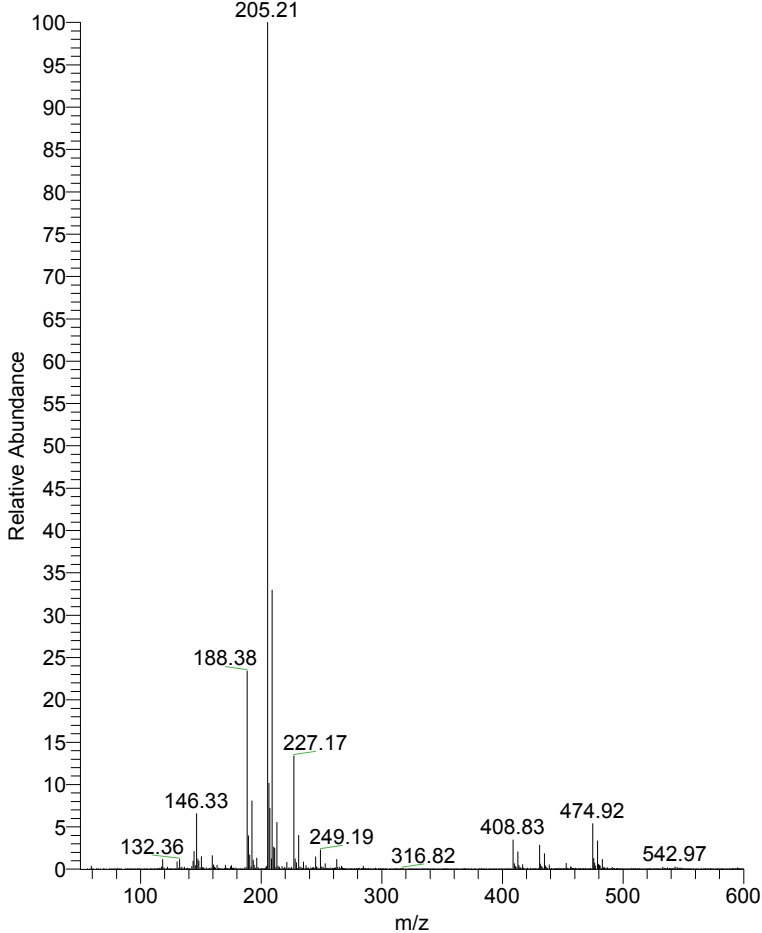
T: + c NSI Full ms [50.00-600.00]

m/z = 200.47-226.31

m/z	Intensity	Relative
204.41	174448.0	0.32
205.21	54746867.6	100.00
206.33	5536841.9	10.11
207.22	3920876.4	7.16
208.43	641793.7	1.17
209.18	18042010.8	32.96
210.26	1425011.2	2.60
211.19	1339380.9	2.45
212.30	108398.7	0.20
213.16	3012844.5	5.50
214.16	172778.1	0.32
215.16	97378.2	0.18
217.20	155137.9	0.28
219.37	85580.7	0.16
220.40	47627.0	0.09
221.21	432871.7	0.79
222.22	44015.7	0.08
223.22	63071.2	0.12
225.26	118629.0	0.22

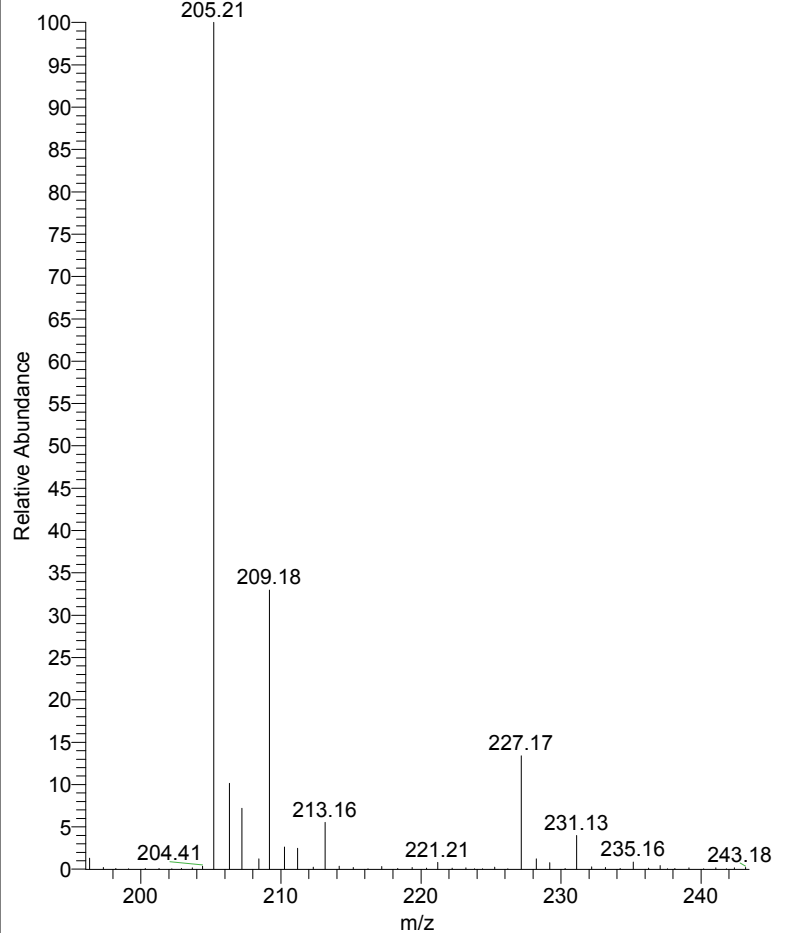
MC2335-20100714-SB #1-188 RT: 0.00-2.01 AV: 188 NL: 5.47E7

T: + c NSI Full ms [50.00-600.00]



MC2335-20100714-SB #1-188 RT: 0.00-2.01 AV: 188 NL: 5.47E7

T: + c NSI Full ms [50.00-600.00]



MC2335 1H NMR in D2O
Batch 20100714-SB



7.605
7.585
7.408
7.388
7.172
7.146
7.127
7.080
7.062

3.906
3.363
3.325
3.188
3.169
3.151
3.131

NAME MC2335-20100714-SB
EXPNO 1
PROCNO 1
Date_ 20100826
Time 15.43
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 295.1 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

