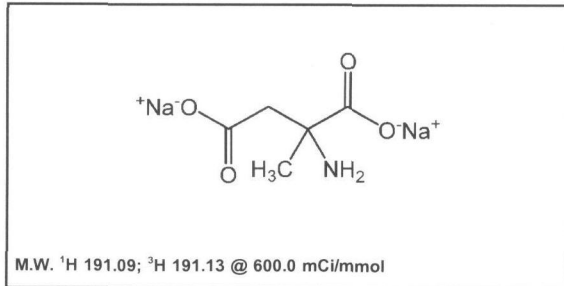




Product Data Sheet

MT-1747

2-Methyl-D,L-aspartic acid, disodium salt, [³H]-



Lot #: 195-089-600-A-20030314-JP

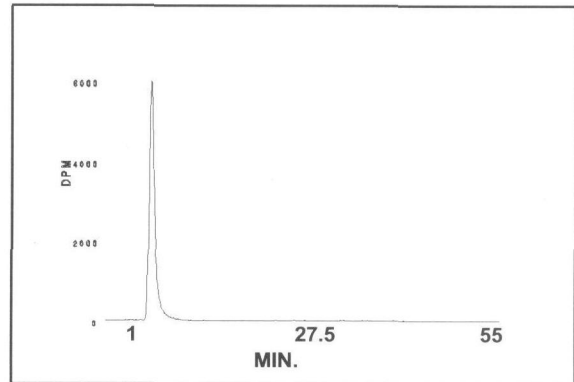
Specific Activity: 600.0 mCi/mmol

Concentration: 1.0 mCi/ml; 318.55 µg/ml

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

Date of Analysis: May 06, 2010

Radiochemical Purity: 99.3%



HPLC ANALYSIS LOT 195-089-600-A-20030314-JP
File Name: int61331 Date and Time: 5/6/2010 9:56:37 AM
Unit 6 Radio

Peak #	Area %	Time	Area
1	0.35	3.67000	116.20270
2	99.33	6.39000	32830.49453
3	0.07	8.56000	22.70991
4	0.04	9.01000	12.19994
5	0.10	9.54000	34.62808
6	0.11	10.15670	36.06491
Totals	100.00		33052.30007

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.

MT-1747

2-Methyl-D,L-aspartic acid, disodium salt, [³H]-

Lot 195-089-600-A-20030314-JP

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

Concentrations and volumes:

2-Methyl-D,L-aspartic acid, disodium salt, [³H]- concentration was 1.0 mCi/ml.

Volume of **2-Methyl-D,L-aspartic acid, disodium salt, [³H]-** injection was 1.0 µl.

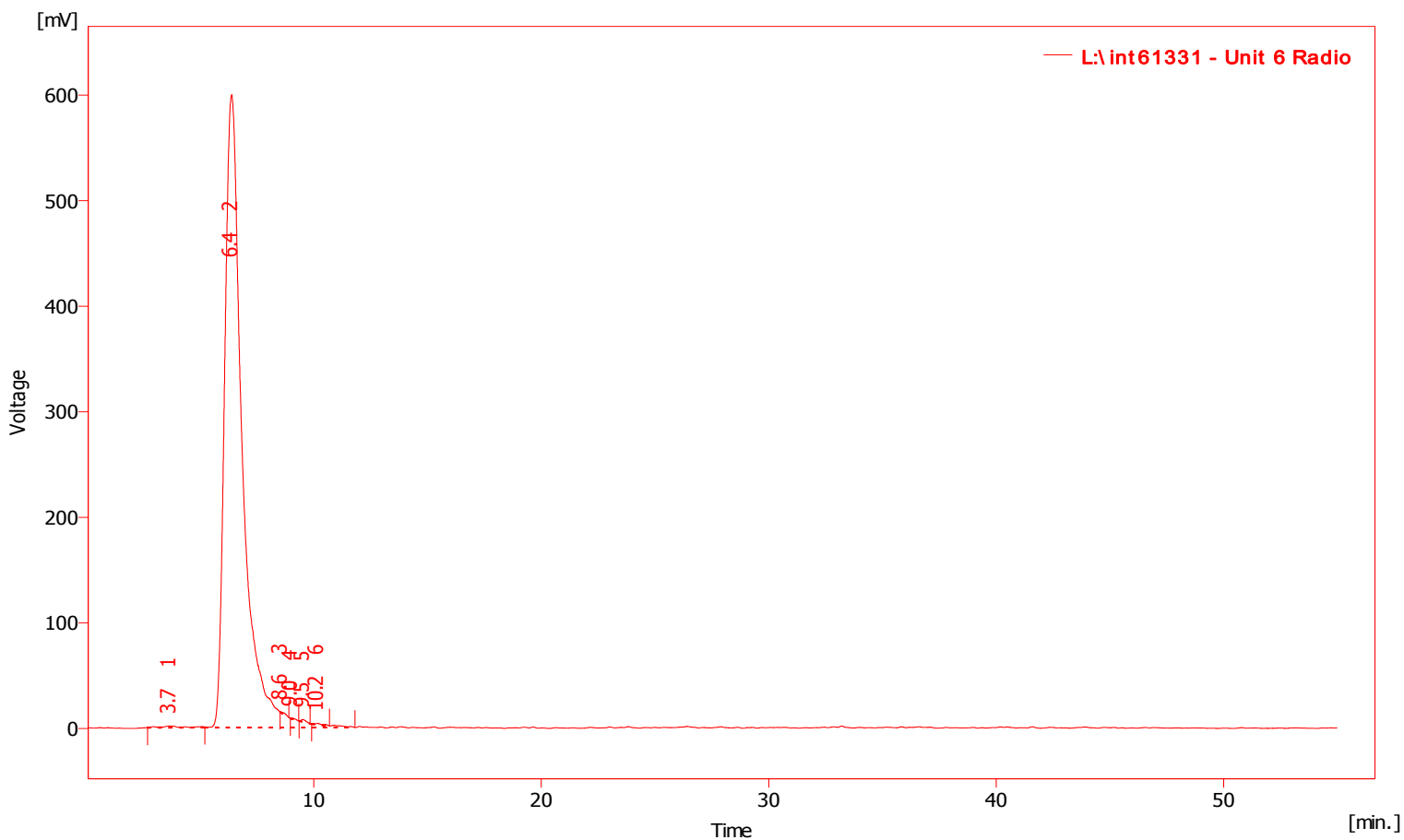
B) Mass spectrometry – Positive mode

C) NMR

MT-1747
2-Methyl-D,L-aspartic acid, disodium salt, [3H]-
Lot 195-089-600-A-20030314-JP

Chromatogram Info:

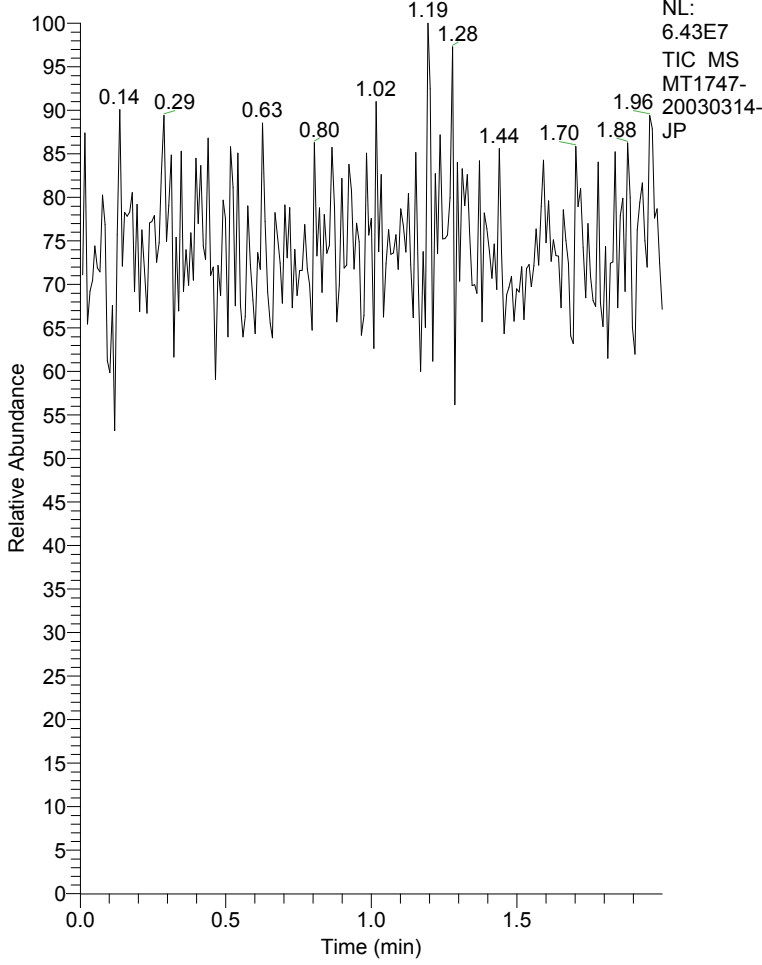
File Name	: L:\int61331	File Created	: 4/1/2014 3:42:13 PM
Origin	: Acquired, Acquisition started 5/6/2010 9:01:38 AM	Acquired Date	: 5/6/2010 9:56:37 AM
Project	: Test	By	: Administrator
Method	: Unit6-55minrun	By	: Administrator
Description	: Radiochemical trace of 2-Methyl-D,L-aspartic acid, disodium salt, [3H]-		
Created	: 7/14/2007 11:01 AM	Modified	: 4/1/2014 3:45 PM
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\int61331 - Unit 6 Radio)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Eff/I [t.p./m]	Symmetry/Tailing [-]	Response Factor	Resolution [-]
1		3.67	116.203	1.68	0.35	0.28	33.11	662.24	1.32		
2		6.39	32830.495	599.83	99.33	98.87	0.00	0.00	2.80		2.6
3		8.56	22.710	0.81	0.07	0.13	10793.47	215869.46	5.14		3.2
4		9.01	12.200	0.67	0.04	0.11	14310.54	286210.82	4.73		4.7
5		9.54	34.628	2.41	0.10	0.40	9004.00	180080.02	1.31		2.2
6		10.16	36.065	1.28	0.11	0.21	2777.74	55554.84	1.57		1.4
		Total	33052.300	606.68	100.00	100.00					

RT: 0.00 - 2.00



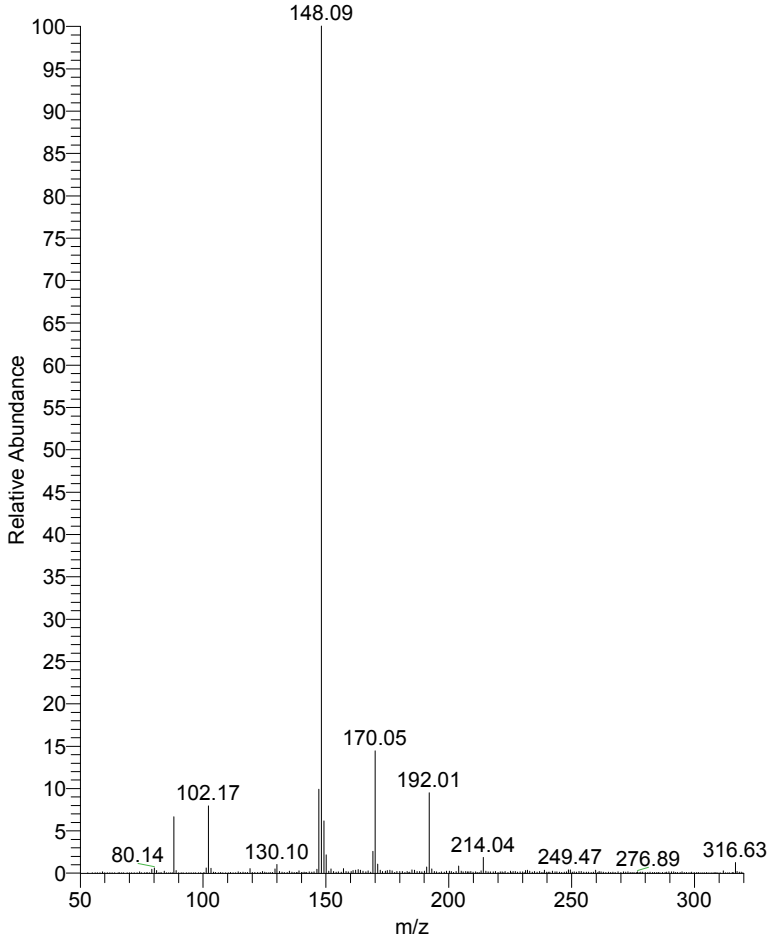
MT1747-20030314-JP#1-236 RT: 0.01-2.00

T: + c NSI Full ms [50.00-320.00]

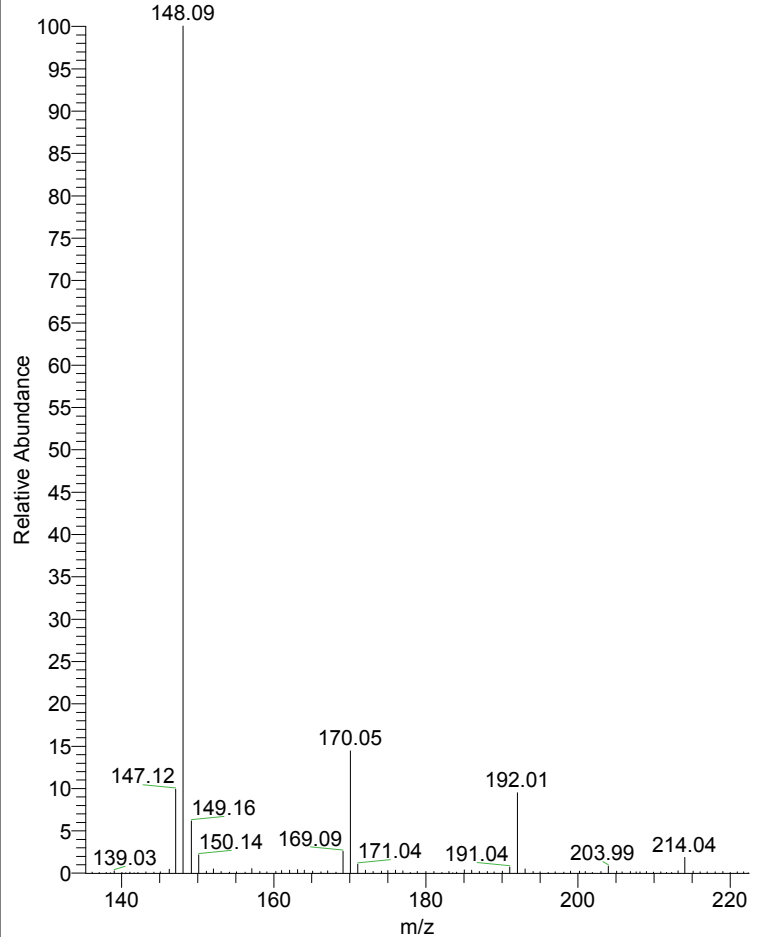
m/z = 141.10-167.39

m/z	Intensity	Relative
147.12	2396255.9	9.89
148.09	24221425.6	100.00
149.16	1485585.4	6.13
150.14	519638.8	2.15
151.15	52020.9	0.21
152.06	117734.7	0.49
153.09	45694.3	0.19
155.08	34667.4	0.14
157.12	121386.0	0.50
158.16	44263.7	0.18
159.11	34524.0	0.14
160.28	42568.5	0.18
161.03	66589.6	0.27
162.07	74684.7	0.31
163.13	100189.9	0.41
164.00	82111.3	0.34
165.10	52193.6	0.22
167.11	56518.5	0.23

MT1747-20030314-JP #1-236 RT: 0.01-2.00 AV: 236 NL: 2.42E7
T: + c NSI Full ms [50.00-320.00]



MT1747-20030314-JP #1-236 RT: 0.01-2.00 AV: 236 NL: 2.42E7
T: + c NSI Full ms [50.00-320.00]



MT11747 3H NMR in D2O
Batch 20030314-JP



2.751
2.693
2.489
2.431
1.373
1.336
1.291

NAME MT11747
EXPNO 1
PROCNO 1
Date_ 20100722
Time_ 15.15
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg
TD 16384
SOLVENT D2O
NS 5000
DS 2
SWH 6172.839 Hz
FIDRES 0.376760 Hz
AQ 1.3271540 sec
RG 46341
DW 81.000 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 3H
P1 10.00 usec
PL1 2.00 dB
SF01 320.1321857 MHz
SI 32768
SF 320.1305850 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

