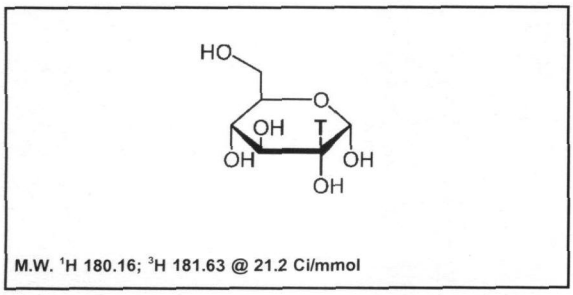
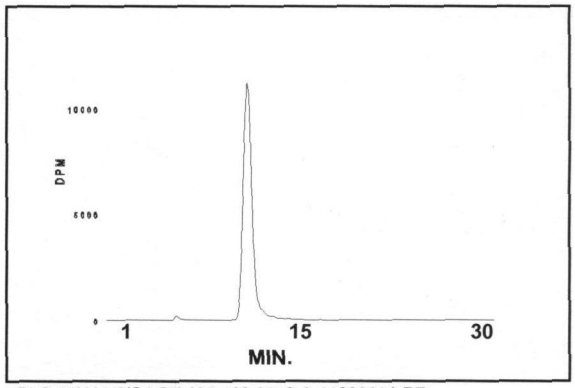
Product Data Sheet

MT-555W

D-Glucose, [2-^{3}H(N)]-



M.W. ^{1}H 180.16; ^{3}H 181.63 @ 21.2 Ci/mmol



HPLC ANALYSIS LOT 195-169-0212-A-19990301-RT
File Name: inth2488 Date and Time: 8/30/2010 4:44:26 PM
Unit 17 Radio

Peak #	Area %	Time	Area
1	0.98	5.43000	548.40438
2	98.47	10.96670	55207.86856
3	0.05	12.10000	30.03371
4	0.17	12.93330	92.81667
5	0.09	13.60000	49.28867
6	0.05	14.16670	29.93664
7	0.19	16.56670	107.47467
Totals	100.00		56065.82330

Lot #: 195-169-0212-A-19990301-RT

Specific Activity: 21.2 Ci/mmol

Concentration: 1.0 mCi/ml; 8.57 μg/ml

Packaged in: Sterile water solution

Date of Analysis: August 30, 2010

Radiochemical Purity: 98.4%

Stability and Storage Recommendation: The rate of decomposition is approximately 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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MT-555W

D-Glucose, [2-^{3}H(N)]-

Lot 195-169-0212-A-19990301-RT

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

Concentrations and volumes:

D-Glucose, [2-^{3}H(N)]- concentration was 1.0 mCi/ml.

Volume of **D-Glucose, [2-^{3}H(N)]-** injection was 2.5 µl.

B) Mass spectrometry – Positive mode

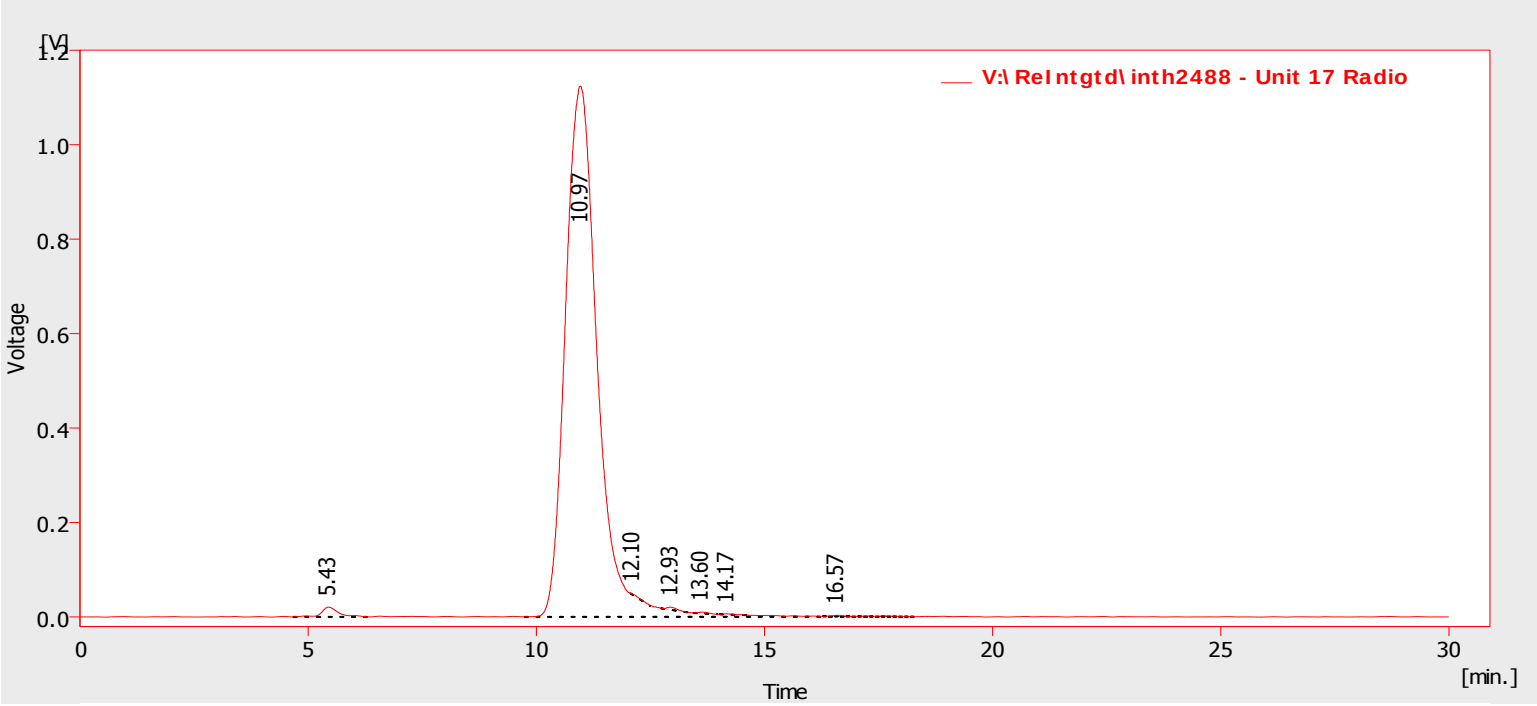
C) NMR

MT-555W
D-Glucose, [2-3H(N)]-
Lot 195-169-0212-A-19990301-RT

Chromatogram Info:

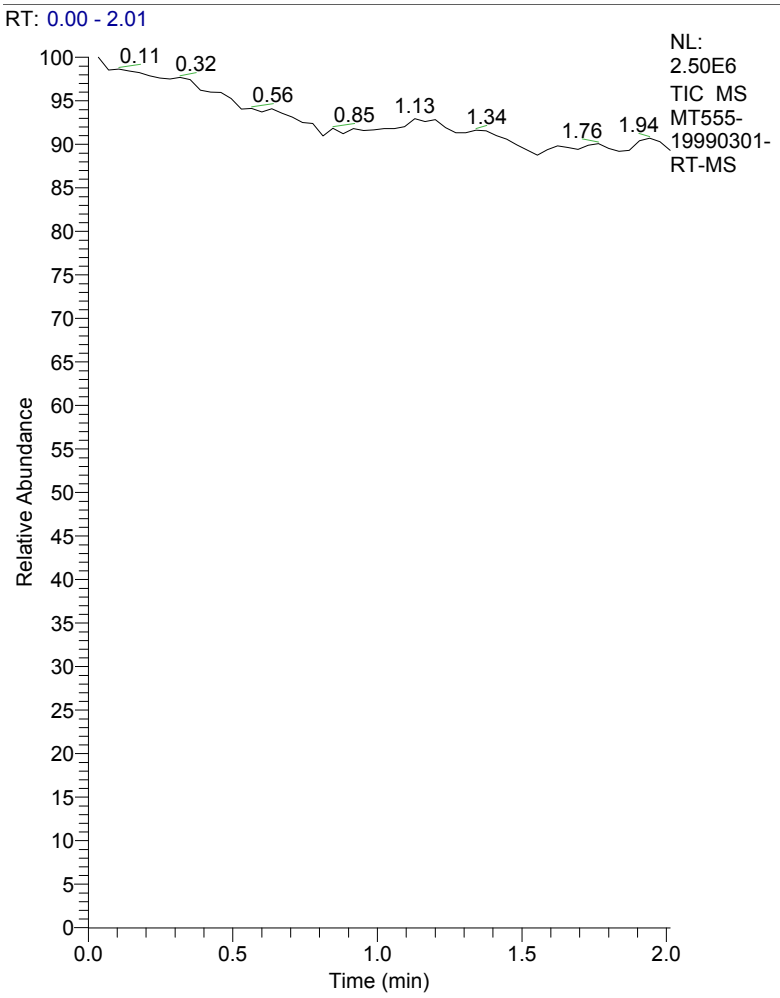
File Name	: V:\ReIntgtd\inth2488	File Created	: 8/31/2010 4:31:12 PM
Origin	: Acquired	Acquired Date	: 8/30/2010 4:44:26 PM
Project	: Test	By	: Administrator

Method	: Unit17_30_min_run	By	: Administrator
Description	: Radiochemical trace of D-Glucose, [2-3H(N)]-		
Created	: 8/9/2007 8:59 AM	Modified	: 10/7/2010 3:11 PM
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - V:\ReIntgtd\inth2488 - Unit 17 Radio)

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	5.430	548.404	20.903	0.98	1.8	0.34
2	10.967	55207.869	1123.797	98.47	96.9	0.72
3	12.100	30.034	2.073	0.05	0.2	0.05
4	12.933	92.817	5.868	0.17	0.5	0.21
5	13.600	49.289	2.954	0.09	0.3	0.22
6	14.167	29.937	1.567	0.05	0.1	0.21
7	16.567	107.475	2.428	0.19	0.2	0.28
	Total	56065.823	1159.590	100.00	100.0	



MT555W-19990301-RT-MS#1-57 RT: 0.04-2.01

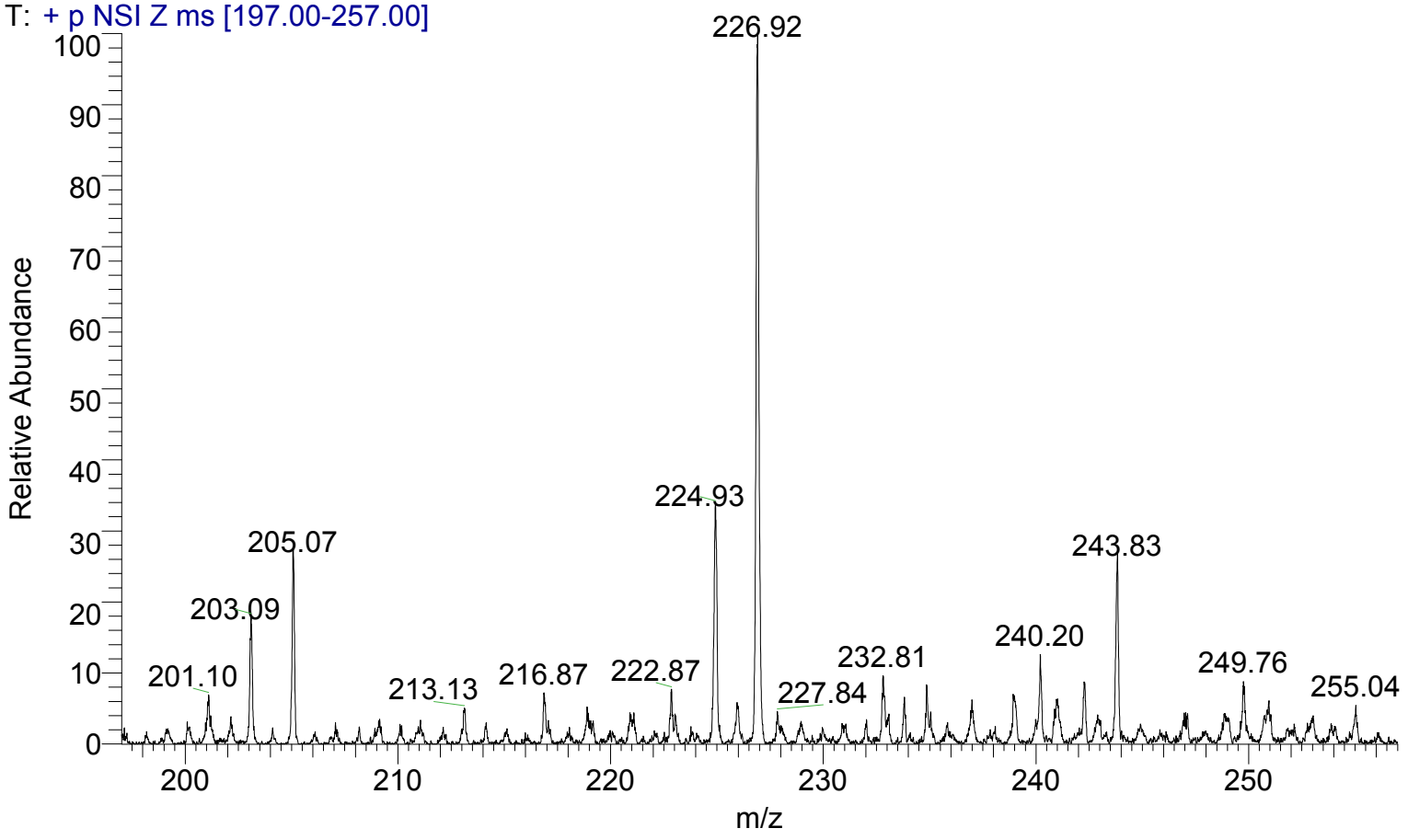
T: + p NSI Z ms [197.00-257.00]

m/z= 216.33-238.50

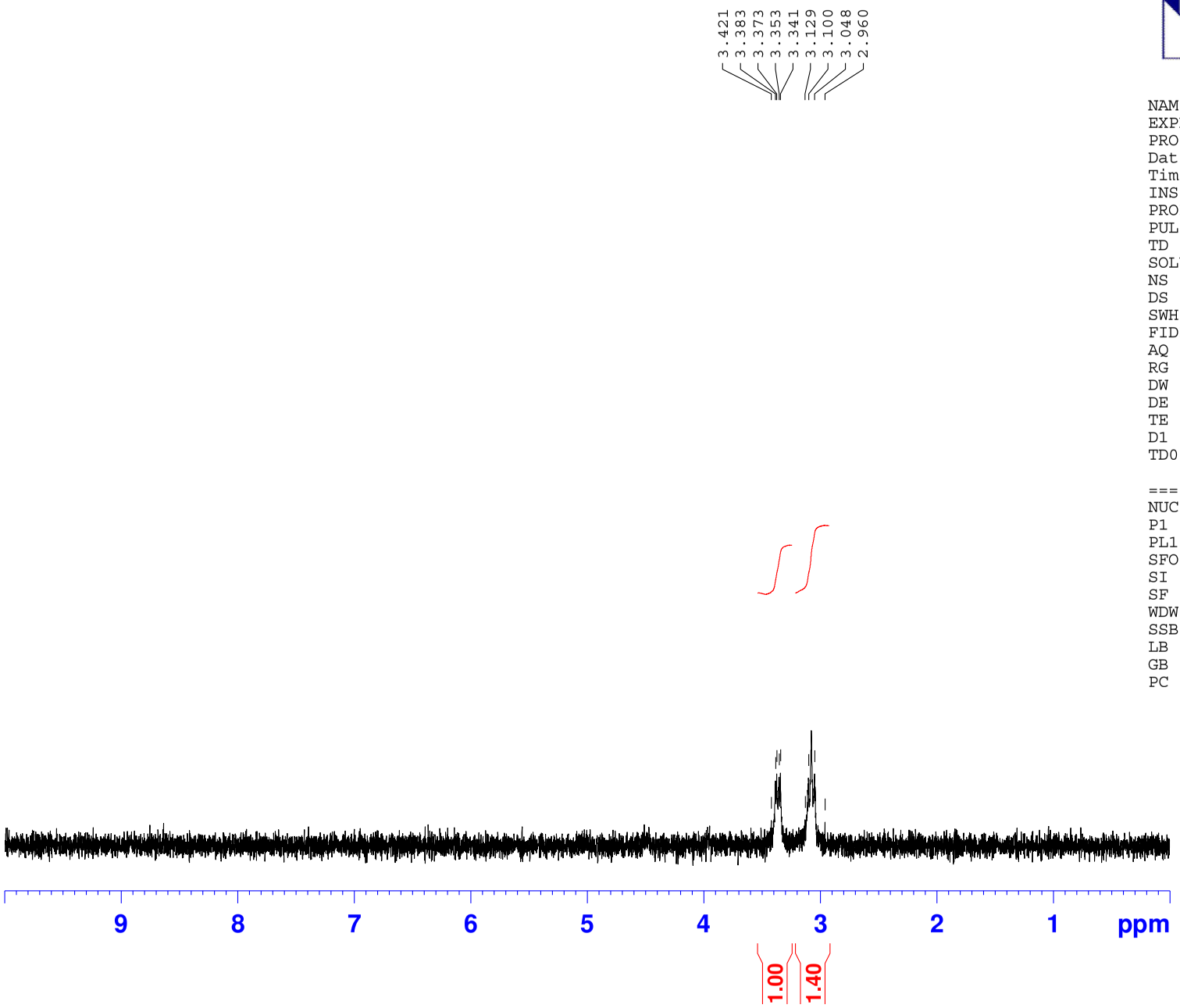
m/z	Intensity	Relative
222.89	45038.8	10.53
223.89	15603.4	3.65
224.92	150627.4	35.22
225.94	34341.5	8.03
226.91	427720.1	100.00
227.93	30326.6	7.09
228.95	23319.8	5.45
229.99	18408.0	4.30
230.95	22855.2	5.34
232.00	15678.5	3.67
232.87	57408.9	13.42
233.84	28542.3	6.67
234.92	43619.8	10.20
235.90	23289.3	5.44
236.97	36030.1	8.42
237.95	18807.8	4.40

MT555W-19990301-RT-MS #1-57 RT: 0.04-2.01 AV: 57 NL: 1.26E4

T: + p NSI Z ms [197.00-257.00]



MT555W 3H NMR in D2O
Batch 19990301-RT



NAME	MT555W-19990301-RT	
EXPNO	1	
PROCNO	1	
Date_	20100125	
Time	20.48	
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
SFO1	320.1321857	MHz
SI	32768	
SF	320.1305850	MHz
WDW	no	
SSB	0	
LB	0.00	Hz
GB	0	
PC	1.00	