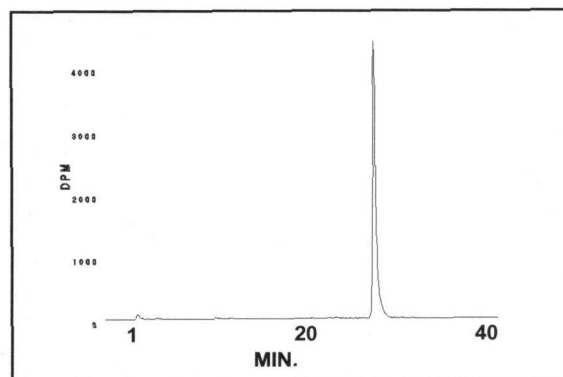
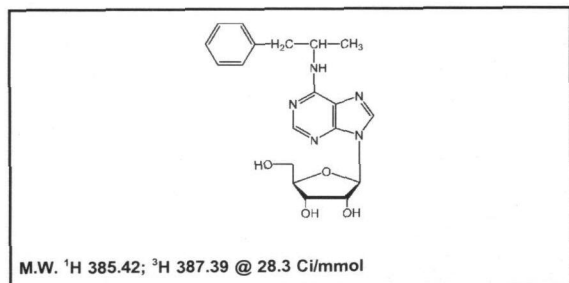




Product Data Sheet

MT-755

(-) N⁶-(2-Phenylisopropyl)-adenosine, [³H]-



HPLC ANALYSIS LOT 167-030-0283-A-20090128-NT
File Name: intj1430 Date and Time: 2/23/2010 11:58:37 A
Unit 19 Radio

Peak #	Area %	Time	Area
1	1.31	3.34330	136.46165
2	0.27	23.60330	28.19343
3	98.30	27.42670	10273.10976
4	0.12	28.58670	13.00439
Totals	100.00		10450.76923

Lot #: 167-030-0283-A-20090128-NT

Specific Activity: 28.3 Ci/mmol

Concentration: 1.0 mCi/ml; 13.69 µg/ml

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

Date of Analysis: February 23, 2010

Radiochemical Purity: 98.3%

Stability and Storage Recommendation: The rate of decomposition is approximately 1% / month for the first six months after purification when stored 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.

MT-755

(-)N6-(2-Phenylisopropyl)-adenosine, [³H]-

Lot 167-030-0283-A-20090128-NT

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

Concentrations and volumes:

Standard solution concentration was 1.0 mg/ml.

³H Material concentration was 1.0 mCi/ml.

Volume of standard alone injection was 1.0 µl.

Volume of ³H Material alone injection was 0.5 µl.

Co-injection solution consisted of 0.5 µl ³H Material + 1.0 µL standard.

Volume of co-injection was 1.5 µl.

Volume of blank injection was 0.5 µl.

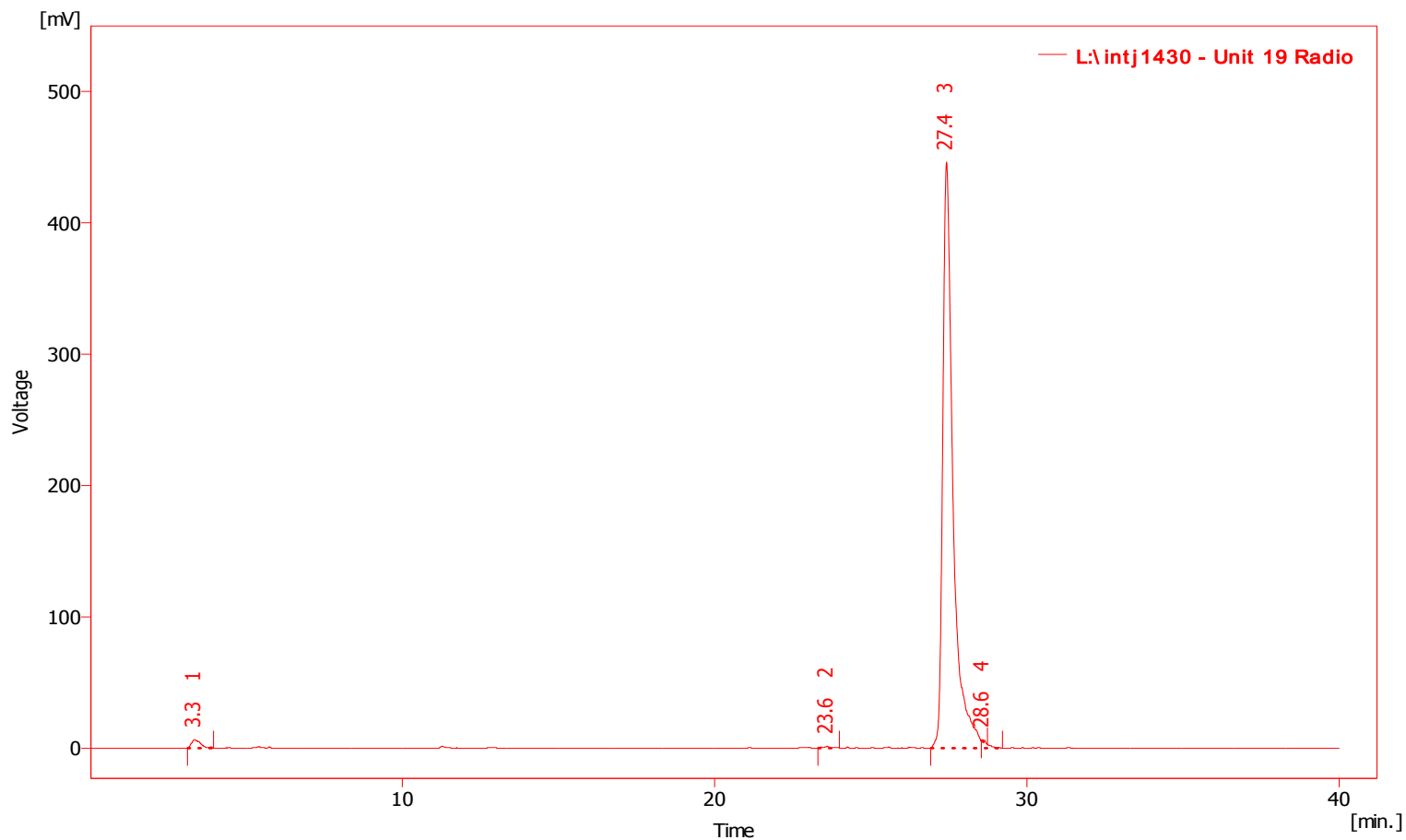
B) Mass spectrometry – Positive mode

C) NMR

MT-755
(-)-N6-(2-Phenylisopropyl)-adenosine, [3H]-
Lot 167-030-0283-A-20090128-NT

Chromatogram Info:

File Name	: L:\intj1430	File Created	: 3/10/2014 4:14:01 PM
Origin	: Acquired, Acquisition started 2/23/2010 11:18:38 AM	Acquired Date	: 2/23/2010 11:58:37 AM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: Radiochemical trace of 3H material alone	Modified	: 3/10/2014 4:23 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



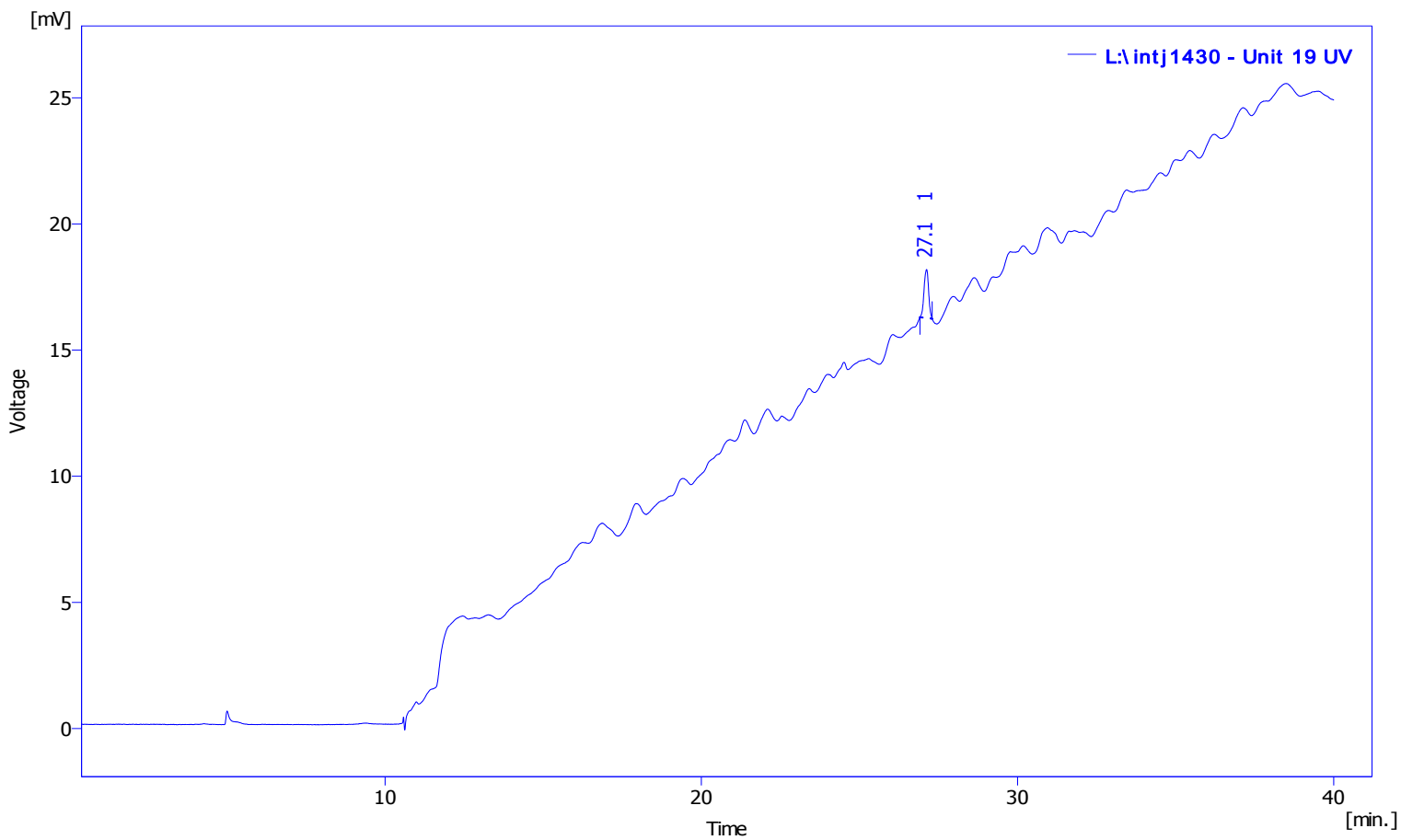
Result Table (Uncal - L:\intj1430 - Unit 19 Radio)

	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		3.34	136.462	6.54	1.31	1.43	439.98	8799.65	1.90		
2		23.60	28.193	1.59	0.27	0.35	18941.56	378831.20	1.22		49.8
3		27.43	10273.110	446.15	98.30	97.89	0.00	0.00	2.26		9.6
4		28.59	13.004	1.51	0.12	0.33	446579.07	8931581.44	2.11		3.2
		Total	10450.769	455.78	100.00	100.00					

MT-755
(-)-N6-(2-Phenylisopropyl)-adenosine, [3H]-
Lot 167-030-0283-A-20090128-NT

Chromatogram Info:

File Name	: L:\intj1430	File Created	: 3/10/2014 4:14:01 PM
Origin	: Acquired, Acquisition started 2/23/2010 11:18:38 AM	Acquired Date	: 2/23/2010 11:58:37 AM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of 3H material alone	Modified	: 3/10/2014 4:22 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 270nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



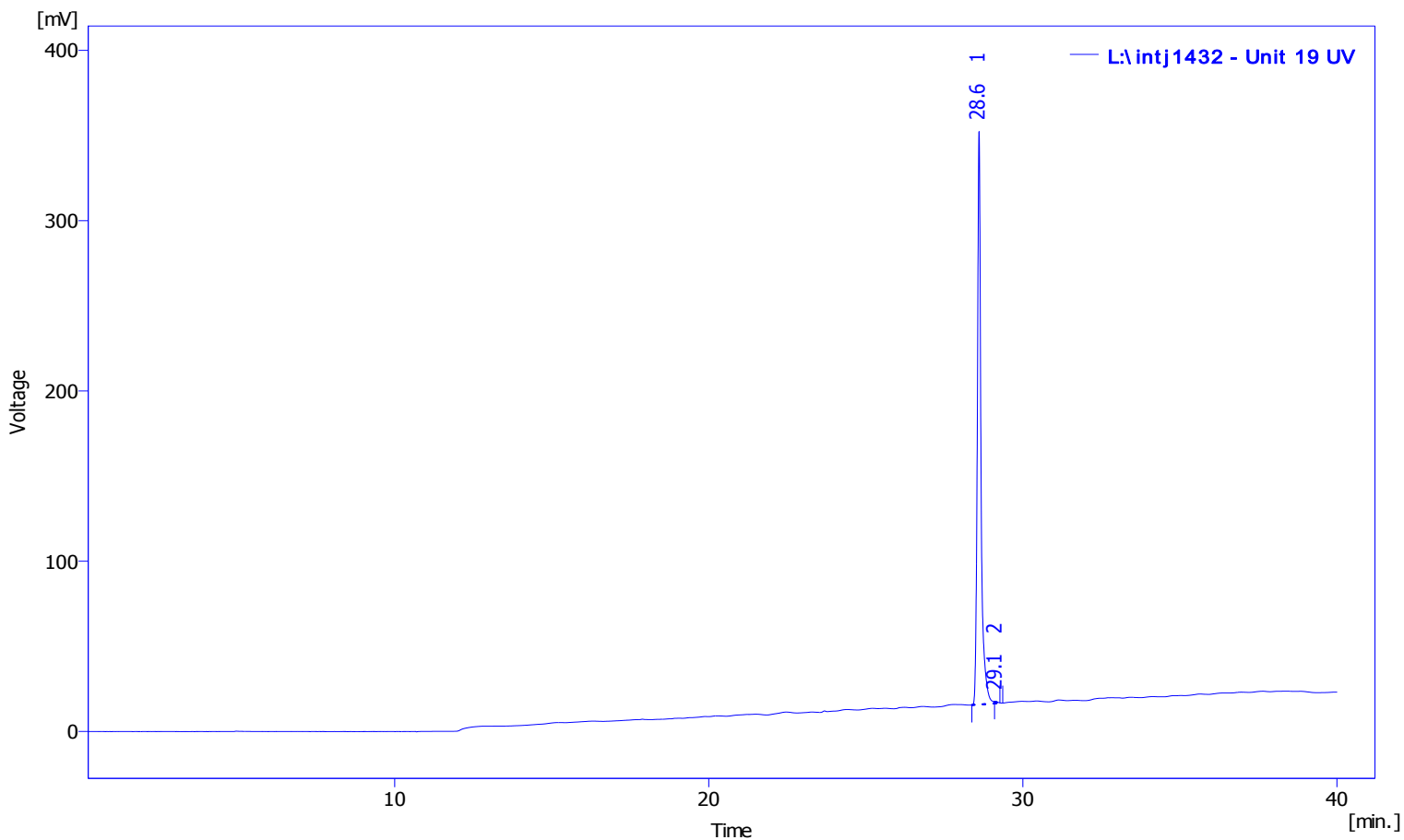
Result Table (Uncal - L:\intj1430 - Unit 19 UV)

	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		27.12	19.373	1.93	100.00	100.00	178670.16	3573403.29	0.94		
		Total	19.373	1.93	100.00	100.00					

MT-755
(-)-N6-(2-Phenylisopropyl)-adenosine, [3H]-
Lot 167-030-0283-A-20090128-NT

Chromatogram Info:

File Name	: L:\intj1432	File Created	: 3/10/2014 4:14:00 PM
Origin	: Acquired, Acquisition started 2/23/2010 2:52:57 PM	Acquired Date	: 2/23/2010 3:32:55 PM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of standard material alone	Modified	: 3/10/2014 4:24 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 270nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



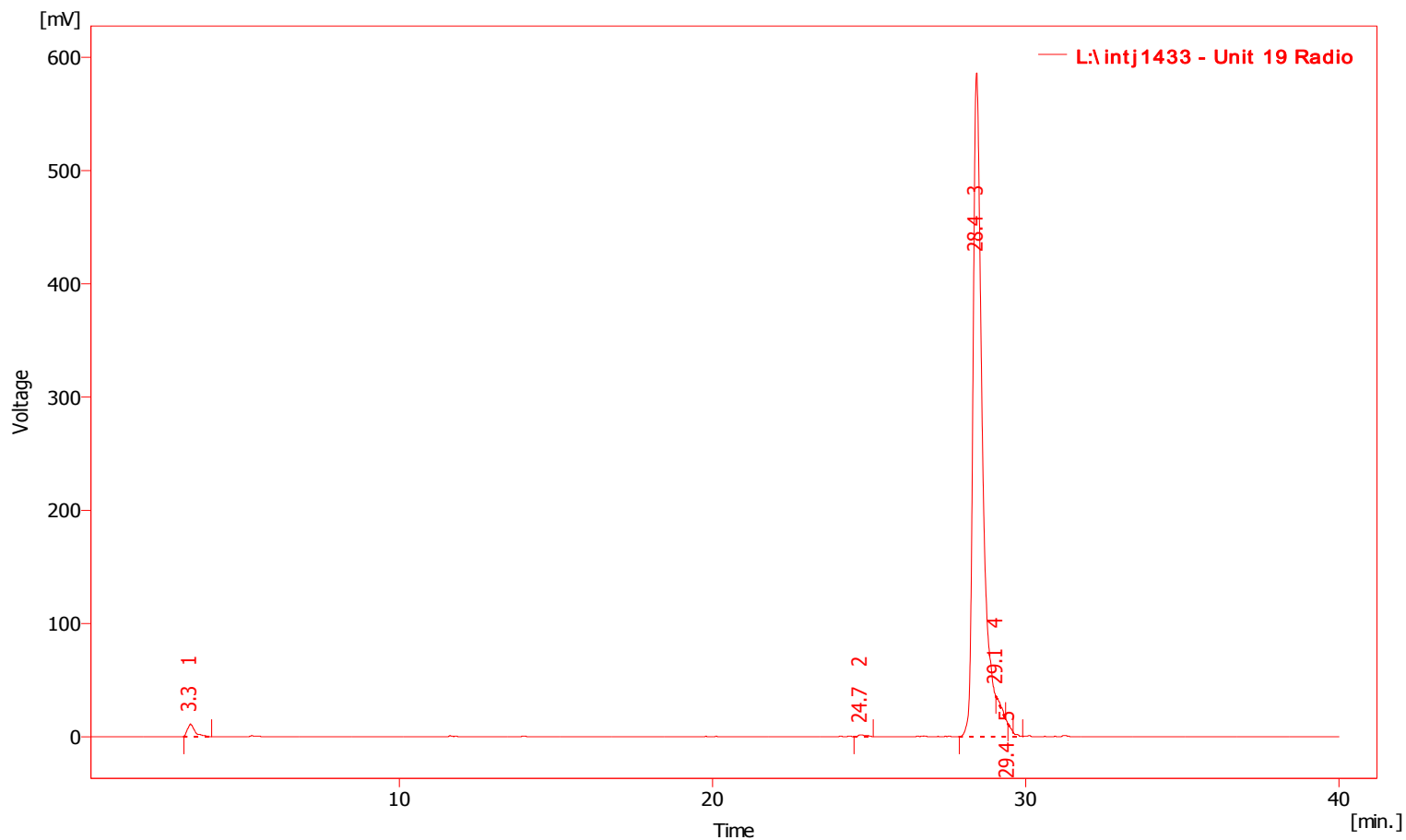
Result Table (Uncal - L:\intj1432 - Unit 19 UV)

	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		28.61	2714.584	336.55	99.96	99.95	0.00	0.00	2.15		
2		29.15	1.113	0.17	0.04	0.05	919315.08	18386301.62	1.77		3.2
		Total	2715.697	336.72	100.00	100.00					

MT-755
(-)-N6-(2-Phenylisopropyl)-adenosine, [3H]-
Lot 167-030-0283-A-20090128-NT

Chromatogram Info:

File Name	: L:\intj1433	File Created	: 3/10/2014 4:14:01 PM
Origin	: Acquired, Acquisition started 2/23/2010 4:07:49 PM	Acquired Date	: 2/23/2010 4:47:48 PM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: Radiochemical trace of 3H material co-injected with standard	Modified	: 3/10/2014 4:25 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



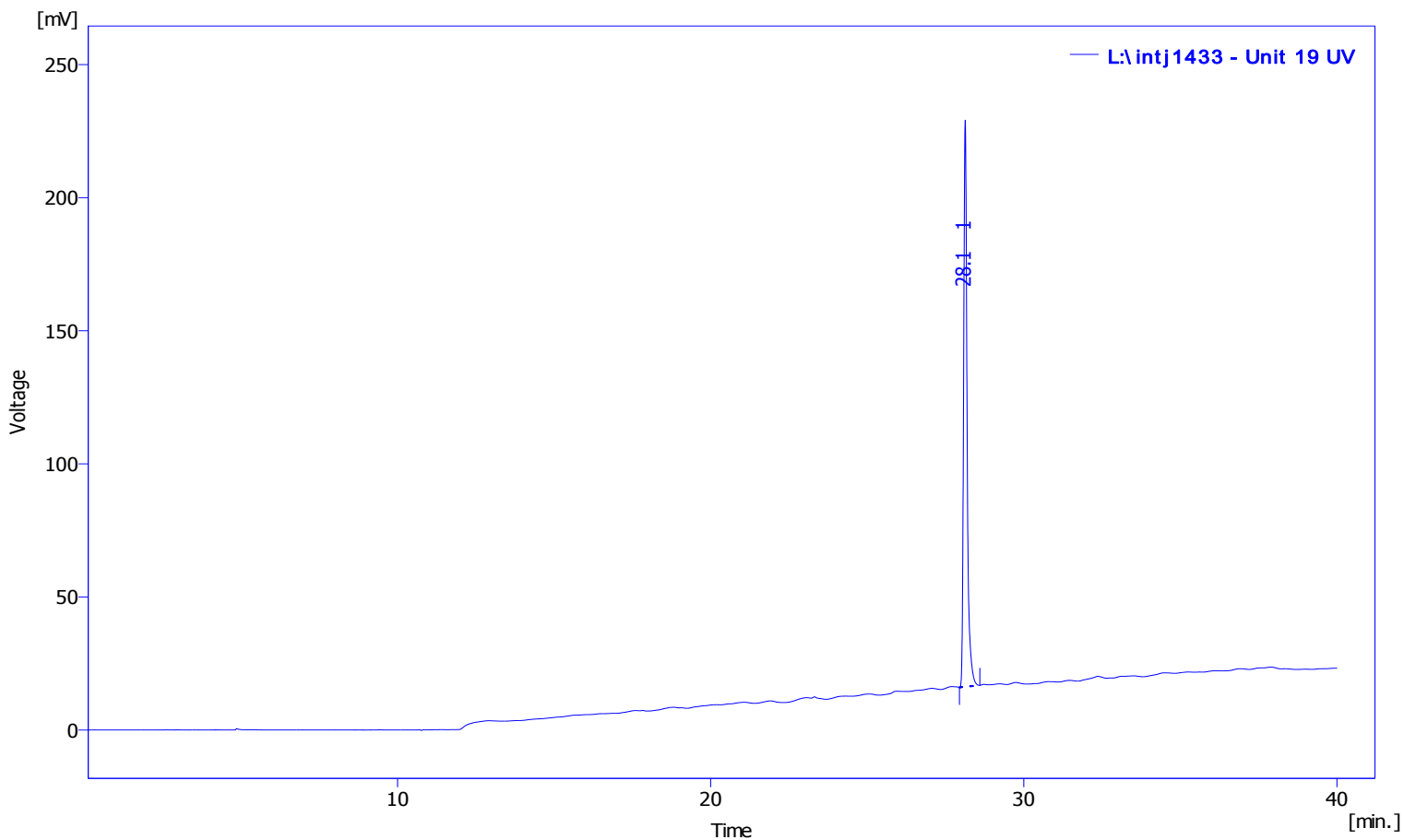
Result Table (Uncal - L:\intj1433 - Unit 19 Radio)

	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		3.33	189.299	11.49	1.46	1.91	489.44	9788.78	1.68		
2		24.75	30.731	1.59	0.24	0.26	42787.36	855747.19	1.66		42.3
3		28.44	12725.669	586.16	97.98	97.46	0.00	0.00	1.90		6.7
4		29.07	35.513	1.80	0.27	0.30	142469.11	2849382.12	5.81		2.2
5		29.44	6.386	0.41	0.05	0.07	468430.09	9368601.83	8.33		6.2
		Total	12987.598	601.45	100.00	100.00					

MT-755
(-)-N6-(2-Phenylisopropyl)-adenosine, [3H]-
Lot 167-030-0283-A-20090128-NT

Chromatogram Info:

File Name	: L:\intj1433	File Created	: 3/10/2014 4:14:01 PM
Origin	: Acquired, Acquisition started 2/23/2010 4:07:49 PM	Acquired Date	: 2/23/2010 4:47:48 PM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of 3H material co-injected with standard	Modified	: 3/10/2014 4:24 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 270nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



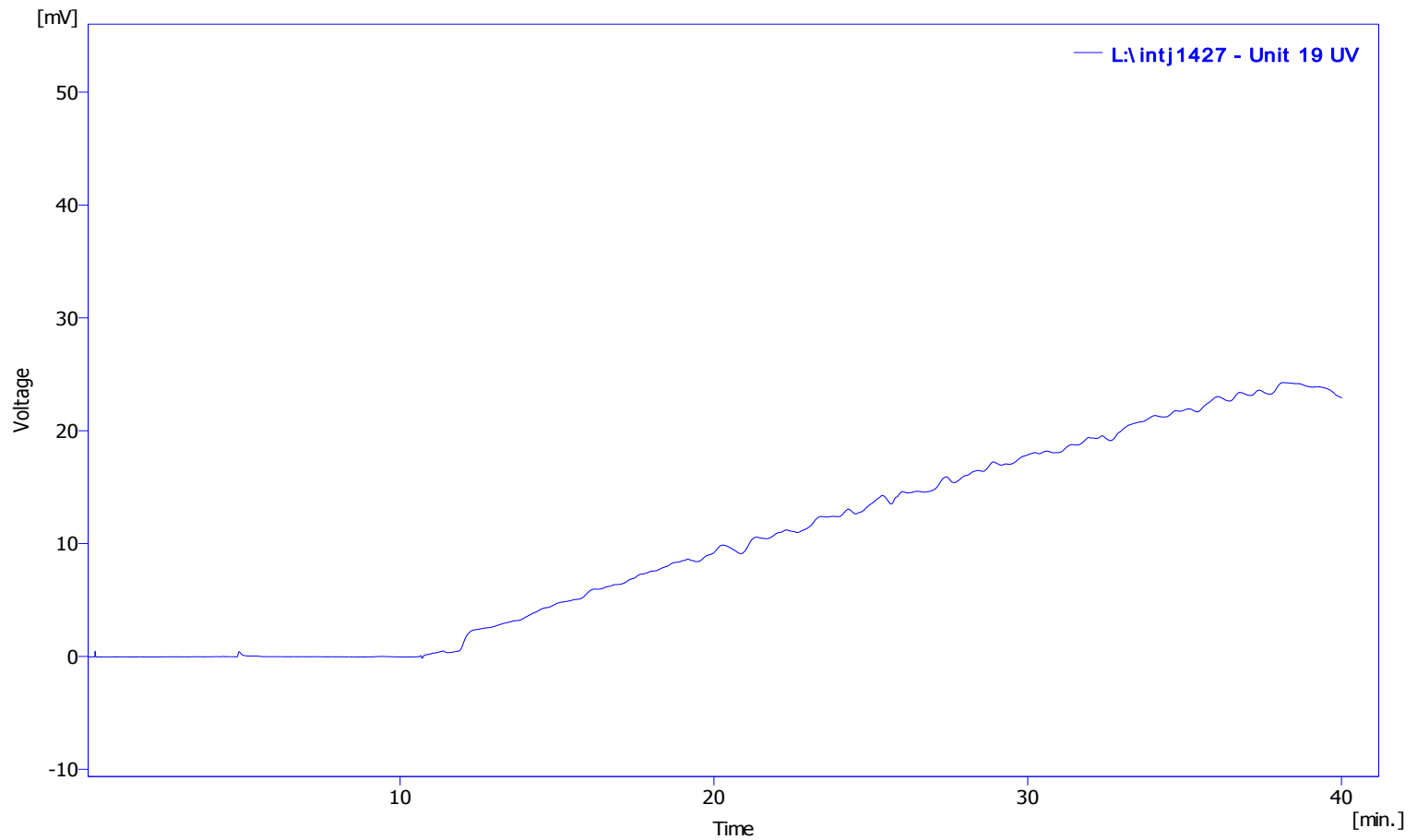
Result Table (Uncal - L:\intj1433 - Unit 19 UV)

	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		28.13	1640.332	212.87	100.00	100.00	181330.79	3626615.83	1.34		
		Total	1640.332	212.87	100.00	100.00					

MT-755
(-)-N6-(2-Phenylisopropyl)-adenosine, [3H]-
Lot 167-030-0283-A-20090128-NT

Chromatogram Info:

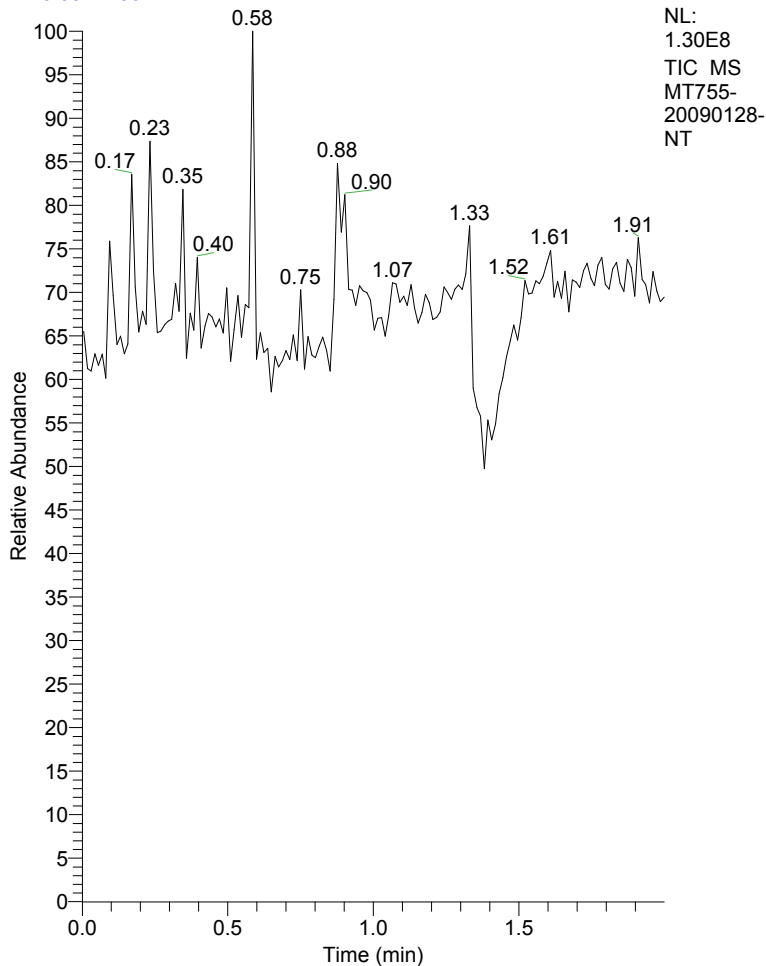
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Origin	: Acquired, Acquisition started 2/22/2010 4:06:55 PM	Acquired Date	: 2/22/2010 4:46:53 PM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of blank injection	Modified	: 3/10/2014 4:26 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 270nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intj1427 - Unit 19 UV)

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 [-]
No peak to report										

RT: 0.00 - 2.00



MT755-20090128-NT#1-159 RT: 0.01-2.00 AV:

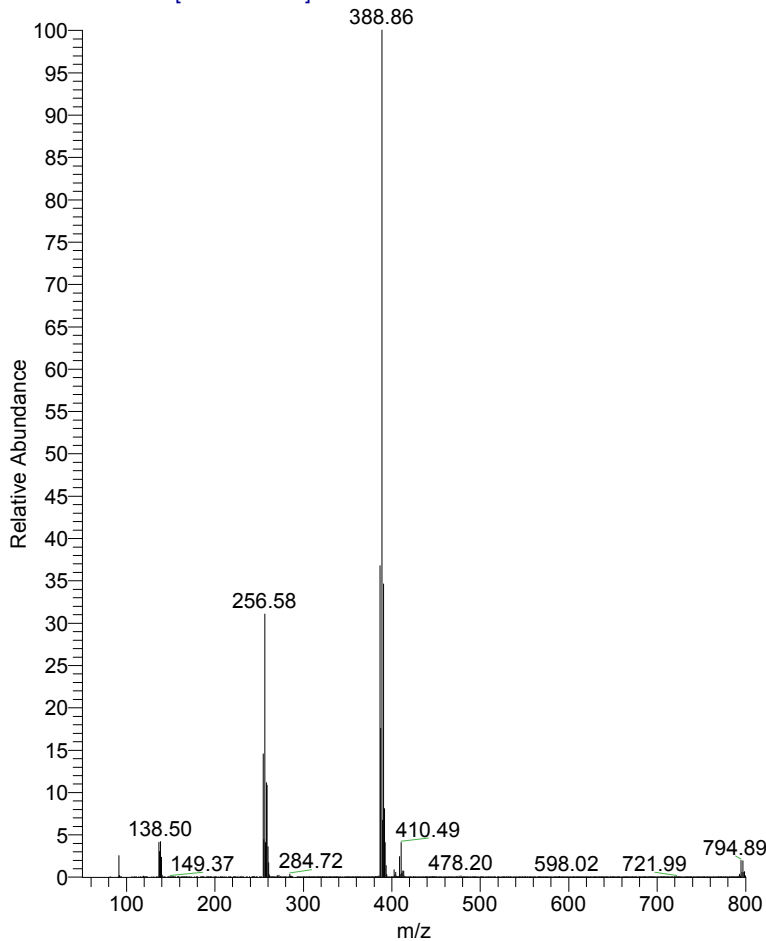
T: + c NSI Full ms [50.00-800.00]

m/z= 374.07-402.47

m/z	Intensity	Relative
384.06	11535.5	0.04
384.87	702.7	0.00
385.48	39428.1	0.15
386.76	9829600.4	36.74
387.55	4701916.9	17.57
388.86	26755461.6	100.00
389.63	1798185.5	6.72
390.72	9252768.1	34.58
391.66	2161105.0	8.08
392.59	1083451.5	4.05
393.44	360501.6	1.35
394.26	77027.8	0.29
395.29	8663.5	0.03
396.47	5841.2	0.02
397.58	3738.6	0.01
398.83	2807.2	0.01
399.51	3324.5	0.01
400.21	321.2	0.00
400.80	2340.5	0.01
401.65	1506.8	0.01

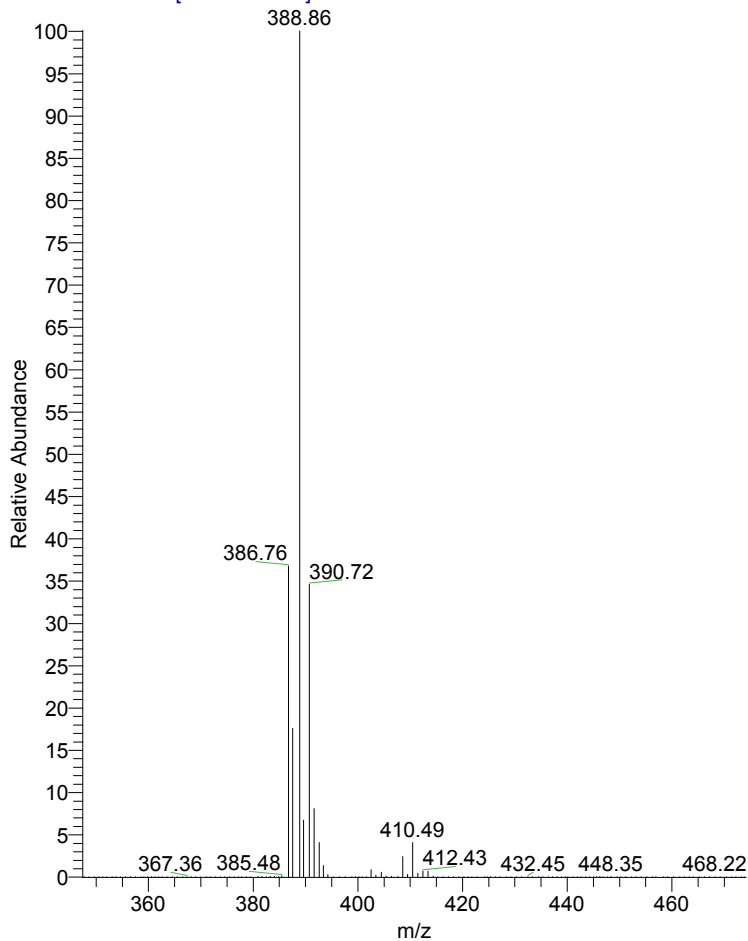
MT755-20090128-NT #1-159 RT: 0.01-2.00 AV: 159 NL: 2.68E7

T: + c NSI Full ms [50.00-800.00]



MT755-20090128-NT #1-159 RT: 0.01-2.00 AV: 159 NL: 2.68E7

T: + c NSI Full ms [50.00-800.00]



MT755 3H NMR in MeOD
Batch 20090128-NT

00.340
00.330
00.285
00.1255

3.042
3.022
2.994
2.977



NAME MT755
EXPNO 1
PROCNO 1
Date_ 20100128
Time_ 16.12
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg
TD 16384
SOLVENT MeOD
NS 4273
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

