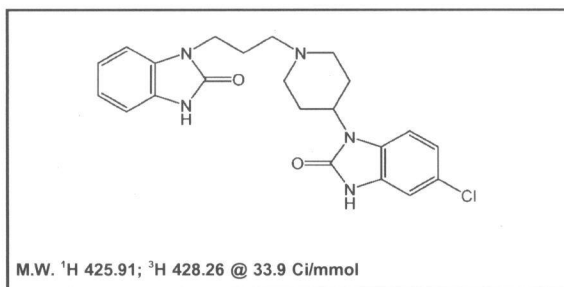




Product Data Sheet

MT-1857

Domperidone, [³H]-



Lot #: 194-151-0339-A-20070409-TN

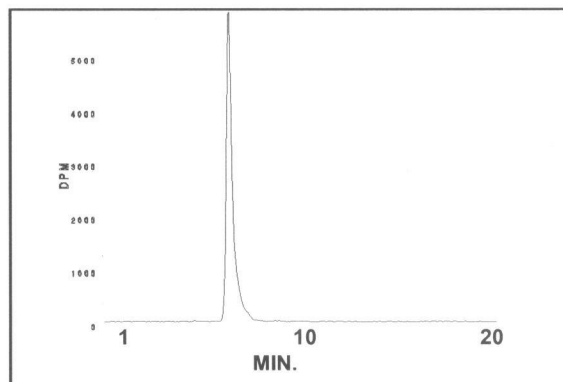
Specific Activity: 33.9 Ci/mmol

Concentration: 1.0 mCi/ml; 12.63 µg/ml

Packaged in: Ethanol solution

Date of Analysis: September 14, 2010

Radiochemical Purity: 99.9%



HPLC ANALYSIS LOT 194-151-0339-A-20070409-TN
File Name: int20690 Date and Time: 9/14/2010 1:29:06 PM
Unit 2 Radio

Peak #	Area %	Time	Area
1	100.00	6.34670	13250.68903
Totals	100.00		13250.68903

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.

MT-1857

Domperidone, [³H]-

Lot 194-151-0339-A-20070409-TN

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

Concentrations and volumes:

Standard solution concentration was 0.5 mg/ml.

Domperidone, [³H]- concentration was 0.1 mCi/ml.

Volume of standard alone injection was 2.0 µl.

Volume of **Domperidone, [³H]-** alone injection was 2.0 µl.

Co-injection solution consisted of 2.0 µl **Domperidone, [³H]-** + 4.0 µl standard.

Volume of co-injection was 6.0 µl.

Volume of blank injection was 2.0 µl.

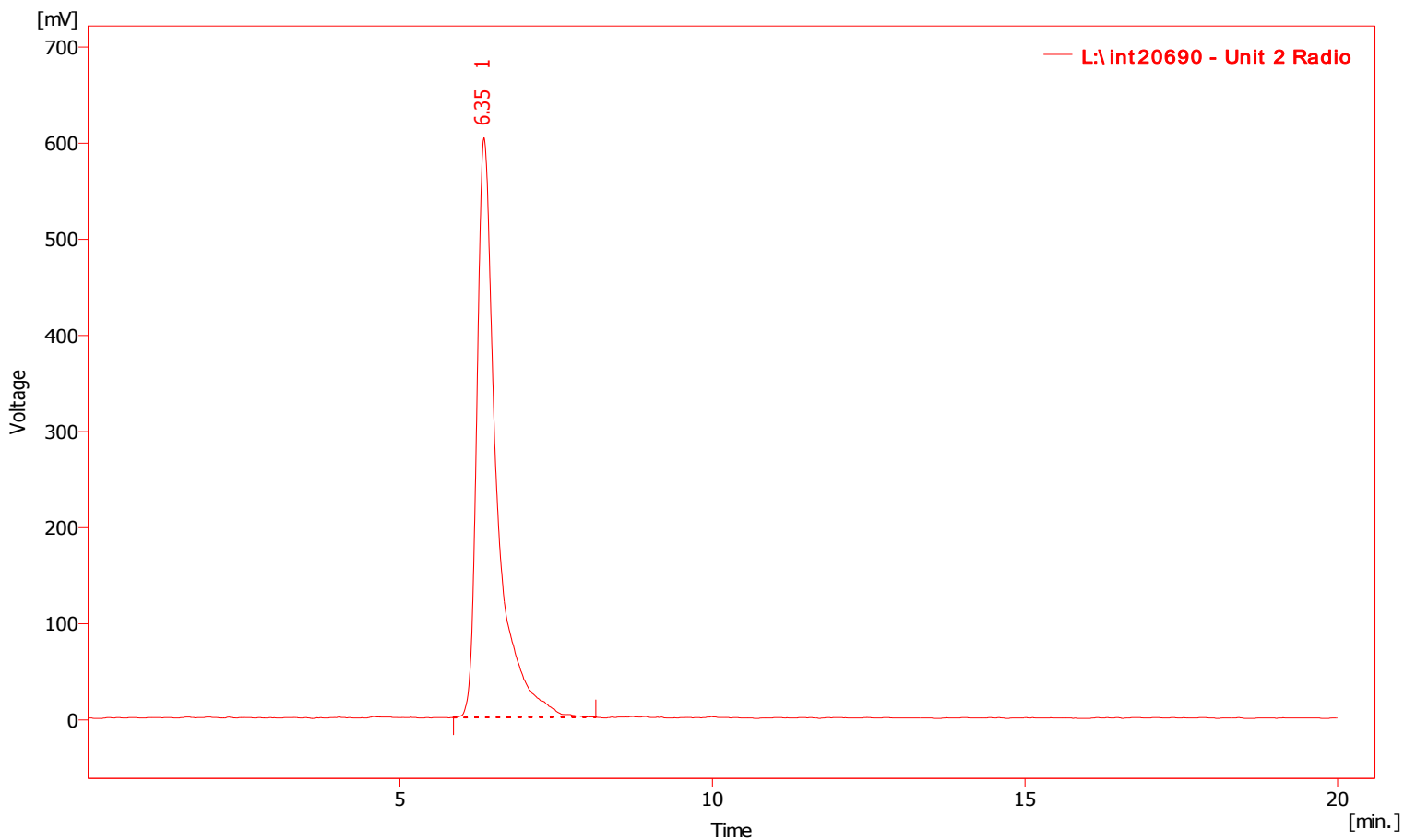
B) Mass spectrometry – Positive mode

C) NMR

MT-1857
Domperidone, [3H]-
Lot 194-151-0339-A-20070409-TN

Chromatogram Info:

File Name	: L:\int20690	File Created	: 4/3/2014 2:19:11 PM
Origin	: Acquired, Acquisition started 9/14/2010 1:09:06 PM	Acquired Date	: 9/14/2010 1:29:06 PM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: Radiochemical trace of 3H material alone	Modified	: 4/3/2014 4:34 PM
Created	: 8/8/2007 9:12 AM	Detection	: Radiochemical
Column	:	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



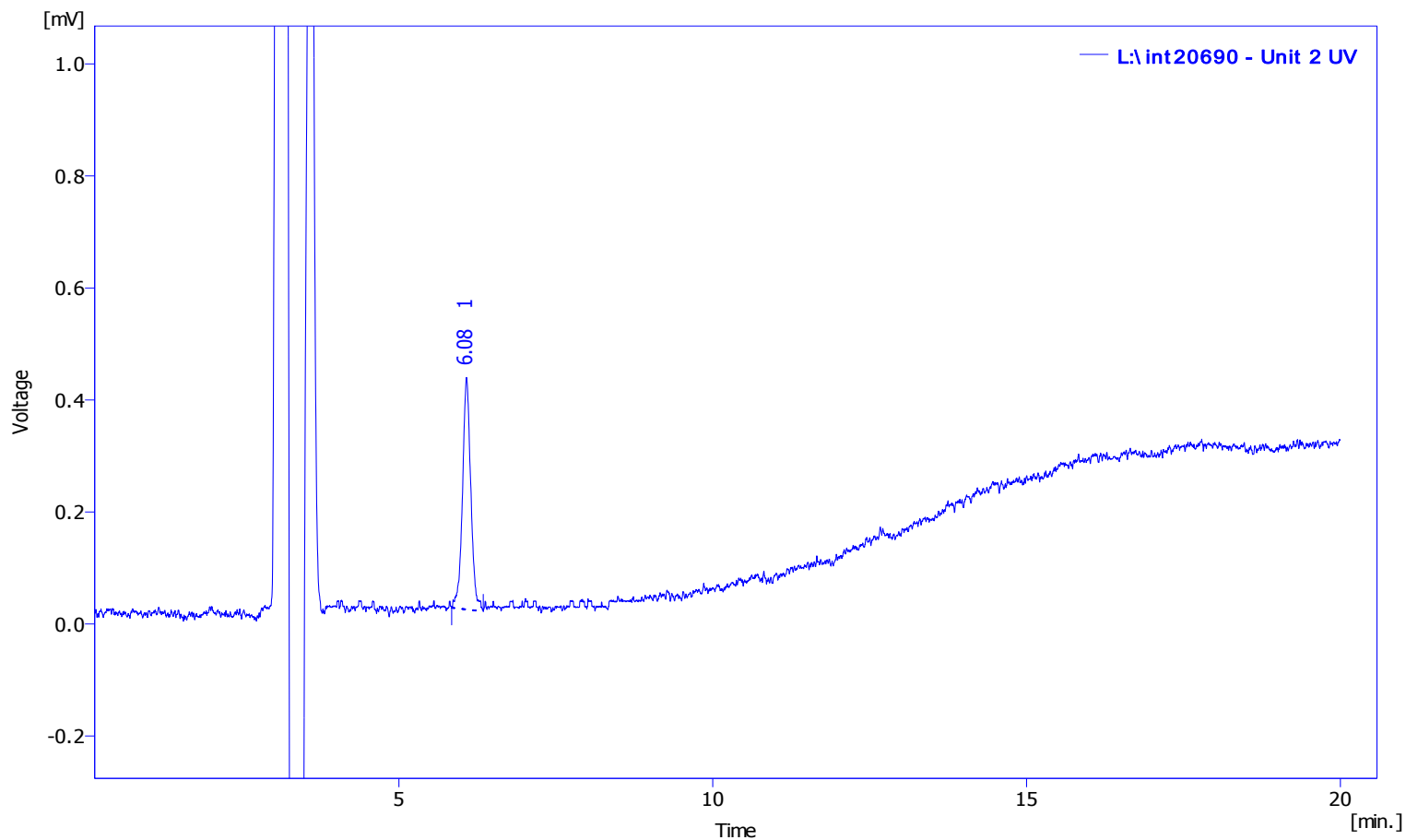
Result Table (Uncal - L:\int20690 - Unit 2 Radio)

	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		6.35	13250.689	603.06	100.00	100.00	2715.48	54309.62	1.93		
		Total	13250.689	603.06	100.00	100.00					

MT-1857
Domperidone, [3H]-
Lot 194-151-0339-A-20070409-TN

Chromatogram Info:

File Name	: L:\int20690	File Created	: 4/3/2014 2:19:11 PM
Origin	: Acquired, Acquisition started 9/14/2010 1:09:06 PM	Acquired Date	: 9/14/2010 1:29:06 PM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: UV trace of 3H material alone	Modified	: 4/3/2014 4:33 PM
Created	: 8/8/2007 9:12 AM		
Column	:	Detection	: UV 288nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



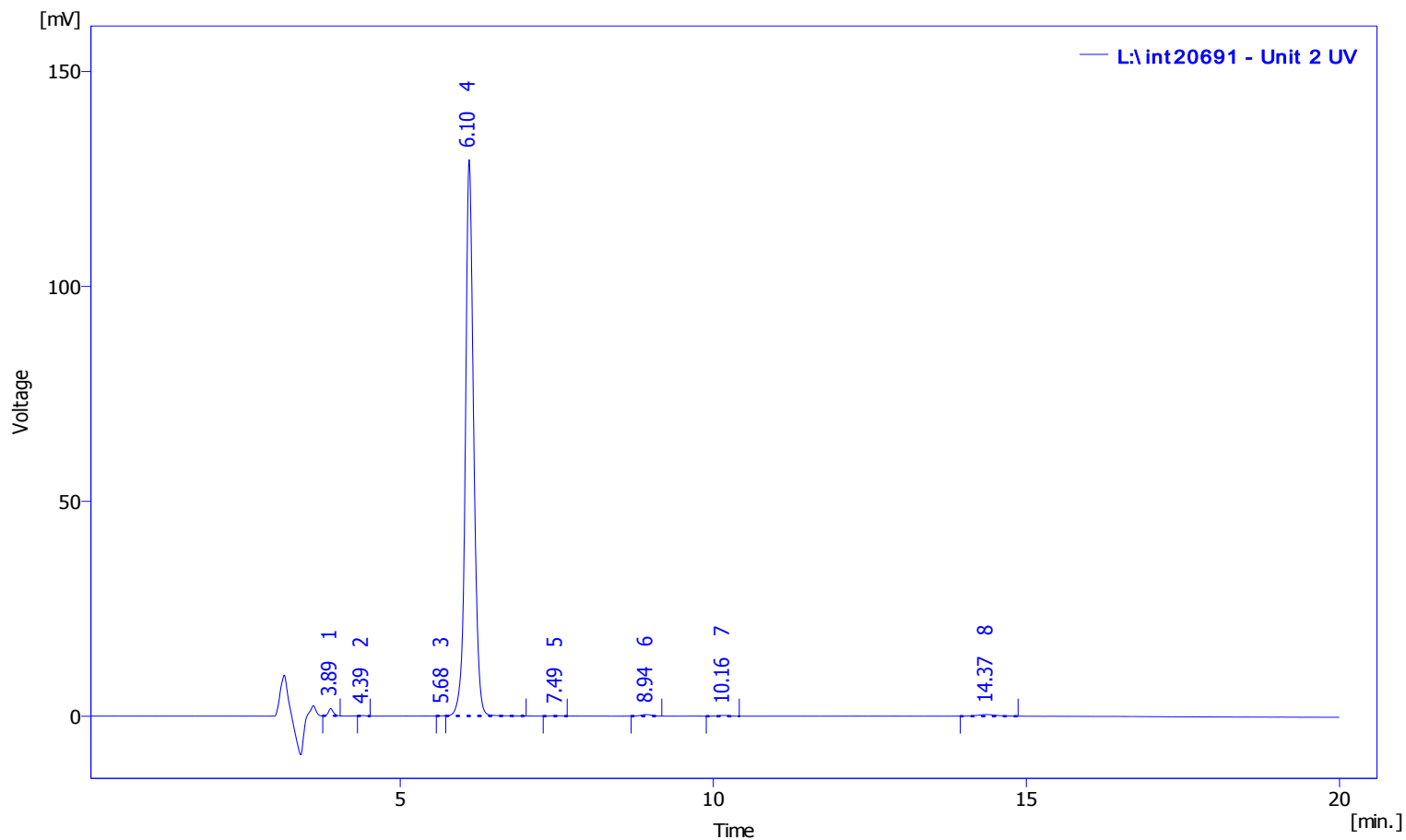
Result Table (Uncal - L:\int20690 - Unit 2 UV)

	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		6.08	3.823	0.41	100.00	100.00	10437.21	208744.25	1.00		
		Total	3.823	0.41	100.00	100.00					

MT-1857
Domperidone, [3H]-
Lot 194-151-0339-A-20070409-TN

Chromatogram Info:

File Name	: L:\int20691	File Created	: 4/3/2014 2:19:11 PM
Origin	: Acquired, Acquisition started 9/14/2010 1:38:16 PM	Acquired Date	: 9/14/2010 1:58:16 PM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: UV trace of standard material alone	Modified	: 4/3/2014 4:34 PM
Created	: 8/8/2007 9:12 AM		
Column	:	Detection	: UV 288nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



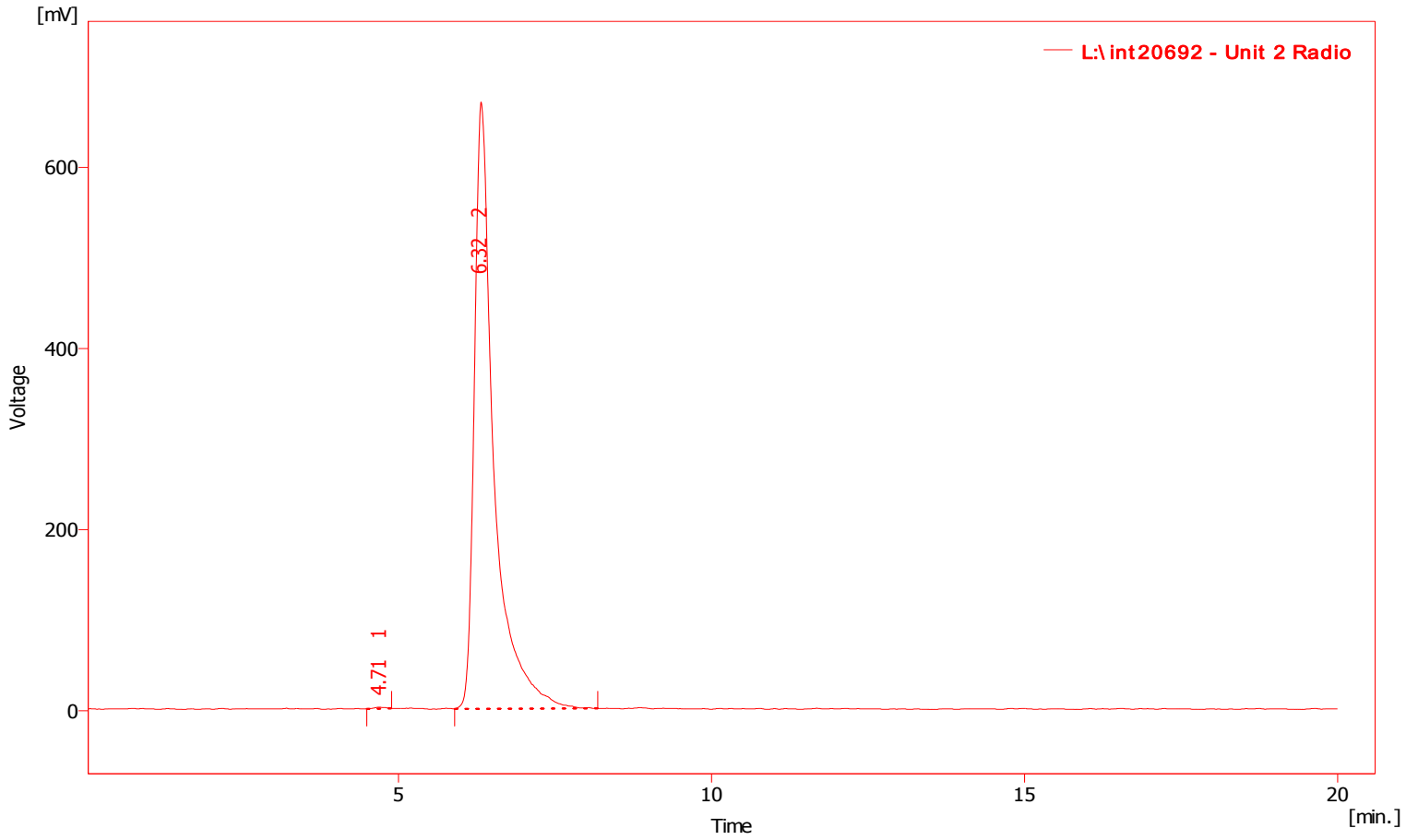
Result Table (Uncal - L:\int20691 - Unit 2 UV)

	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		3.89	9.499	1.70	0.78	1.29	12071.78	241435.68	1.17		
2		4.39	0.685	0.12	0.06	0.09	13201.19	264023.78	1.34		3.4
3		5.68	0.297	0.05	0.02	0.04	15690.58	313811.68	0.78		7.7
4		6.10	1191.114	129.44	97.91	97.84	11036.83	220736.54	1.06		2.1
5		7.49	0.716	0.07	0.06	0.05	15870.98	317419.64	0.86		5.9
6		8.94	4.266	0.36	0.35	0.27	12697.77	253955.33	0.95		5.2
7		10.16	2.177	0.18	0.18	0.13	16422.85	328457.03	1.03		3.9
8		14.37	7.828	0.37	0.64	0.28	11904.19	238083.83	1.08		10.0
		Total	1216.582	132.30	100.00	100.00					

MT-1857
Domperidone, [3H]-
Lot 194-151-0339-A-20070409-TN

Chromatogram Info:

File Name	: L:\int20692	File Created	: 4/3/2014 2:19:10 PM
Origin	: Acquired, Acquisition started 9/14/2010 2:13:39 PM	Acquired Date	: 9/14/2010 2:33:39 PM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: Radiochemical trace of 3H material co-injected with standard	Modified	: 4/3/2014 4:36 PM
Created	: 8/8/2007 9:12 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



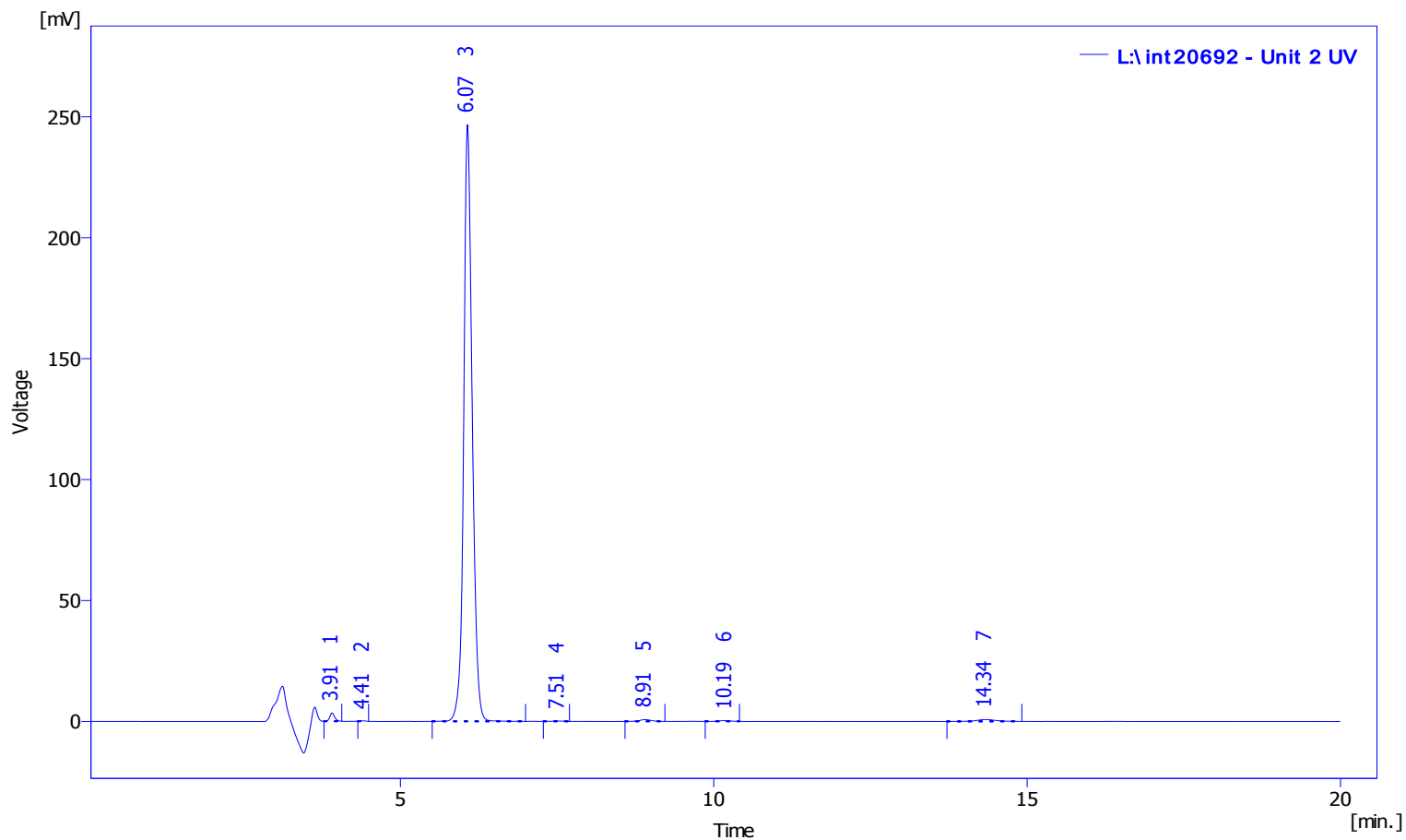
Result Table (Uncal - L:\int20692 - Unit 2 Radio)

	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		4.71	20.269	1.68	0.14	0.25	2976.79	59535.90	0.85		
2		6.32	14541.344	669.98	99.86	99.75	2822.46	56449.21	2.09		3.9
		Total	14561.613	671.66	100.00	100.00					

MT-1857
Domperidone, [3H]-
Lot 194-151-0339-A-20070409-TN

Chromatogram Info:

File Name	: L:\int20692	File Created	: 4/3/2014 2:19:10 PM
Origin	: Acquired, Acquisition started 9/14/2010 2:13:39 PM	Acquired Date	: 9/14/2010 2:33:39 PM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: UV trace of 3H material co-injected with standard	Modified	: 4/3/2014 4:36 PM
Created	: 8/8/2007 9:12 AM		
Column	:	Detection	: UV 288nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



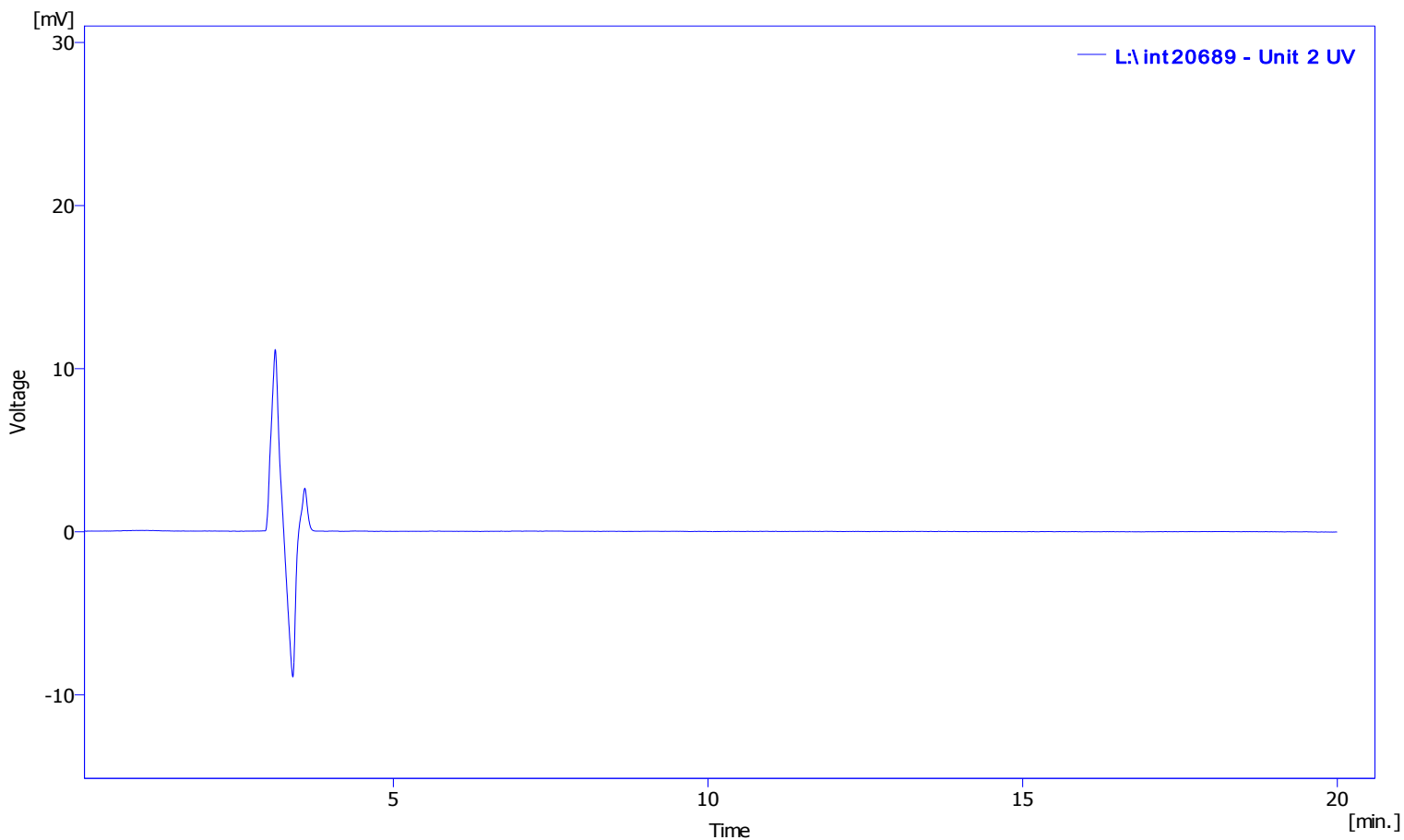
Result Table (Uncal - L:\int20692 - Unit 2 UV)

	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		3.91	18.580	3.47	0.78	1.38	13211.21	264224.14	1.17		
2		4.41	0.992	0.20	0.04	0.08	15491.47	309829.42	0.98		3.6
3		6.07	2329.784	246.72	97.82	97.75	9935.57	198711.38	1.11		8.7
4		7.51	1.535	0.15	0.06	0.06	13301.54	266030.80	0.90		5.7
5		8.91	9.585	0.75	0.40	0.30	11757.82	235156.33	0.98		4.7
6		10.19	4.247	0.34	0.18	0.13	14863.20	297264.08	0.91		3.9
7		14.34	17.065	0.77	0.72	0.31	11120.04	222400.72	1.03		9.5
		Total	2381.789	252.40	100.00	100.00					

MT-1857
Domperidone, [3H]-
Lot 194-151-0339-A-20070409-TN

Chromatogram Info:

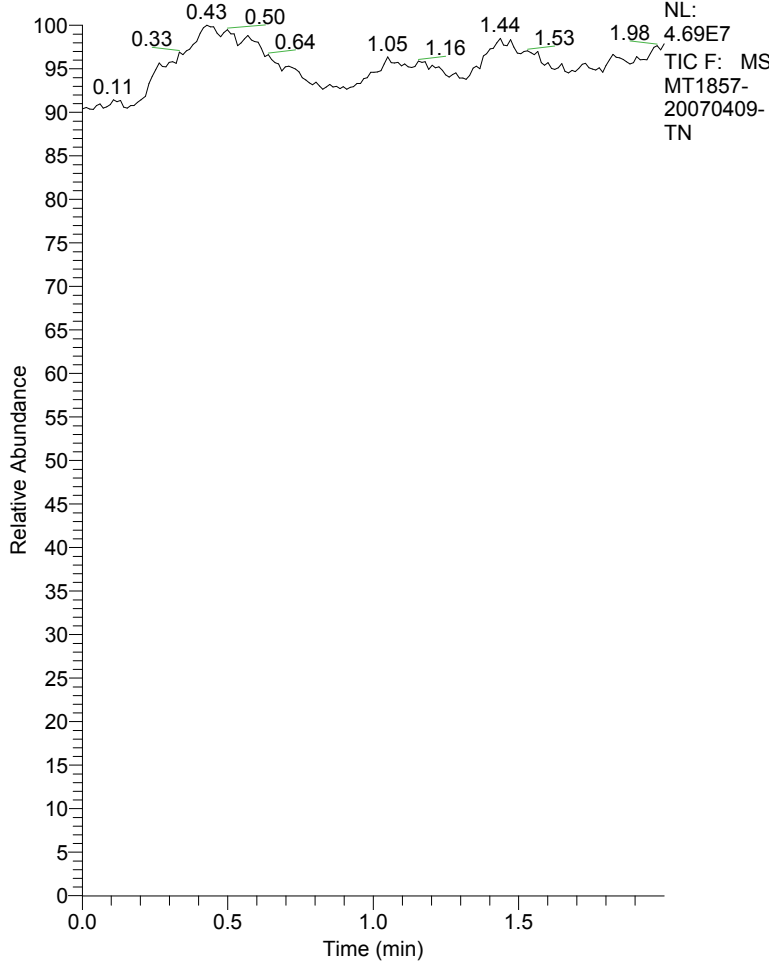
File Name	: L:\int20689	File Created	: 4/3/2014 2:19:10 PM
Origin	: Acquired, Acquisition started 9/14/2010 11:41:51 AM	Acquired Date	: 9/14/2010 12:01:50 PM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: UV trace of blank injection	Modified	: 4/3/2014 4:37 PM
Created	: 8/8/2007 9:12 AM		
Column	:	Detection	: UV 288nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\int20689 - Unit 2 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 [-]
No peak to report										

RT: 0.00 - 2.00



MT1857-20070409-TN#1-171 RT: 0.00-2.00

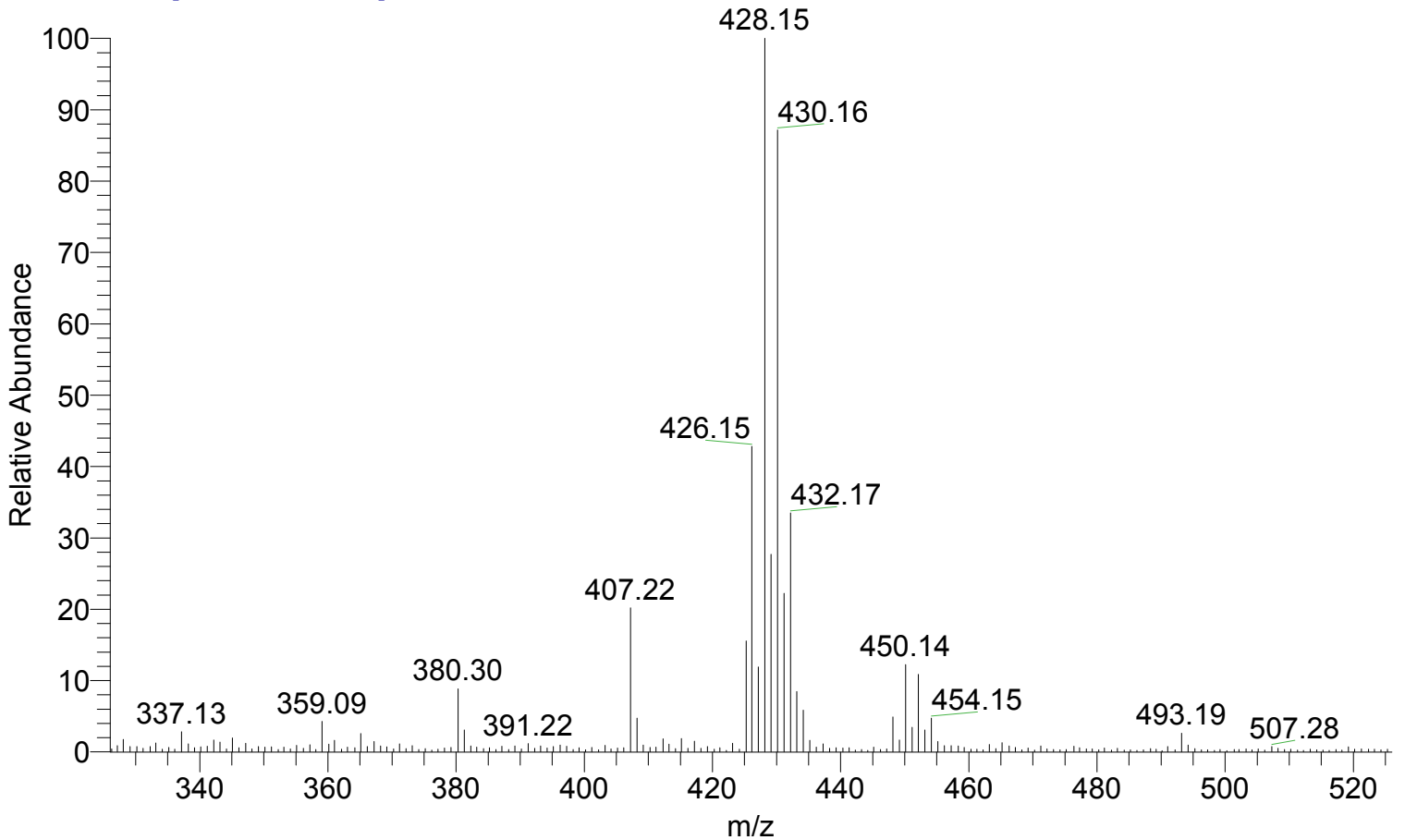
T: + c Q3MS [326.00-526.00]

m/z = 420.04-446.65

m/z	Intensity	Relative
421.13	44981.5	0.55
423.12	97823.8	1.20
425.24	1265610.3	15.54
426.15	3485893.6	42.80
427.15	967464.2	11.88
428.15	8144069.8	100.00
429.16	2253031.6	27.66
430.16	7094509.0	87.11
431.16	1808221.7	22.20
432.17	2725971.0	33.47
433.17	685346.6	8.42
434.18	474840.6	5.83
435.18	131619.0	1.62
436.20	53292.8	0.65
437.25	90892.9	1.12
438.26	38319.5	0.47
439.28	43879.9	0.54
440.35	43589.6	0.54
441.31	44134.2	0.54
445.16	53583.9	0.66

MT1857-20070409-TN #1-171 RT: 0.00-2.00 AV: 171 NL: 8.14E6

T: + c Q3MS [326.00-526.00]



MT1857 3H NMR in MeOD
Batch 20070409-TN

7.181
7.174
7.159
7.130
7.125



BRUKER

NAME MT1857-20070409-TN
EXPNO 1
PROCNO 1
Date_ 20100915
Time_ 13.58
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg
TD 16384
SOLVENT MeOD
NS 4609
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

