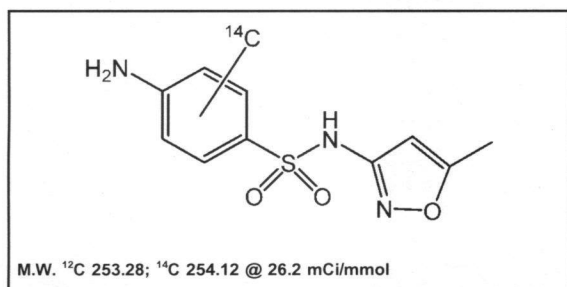




Product Data Sheet

MC-2359

4-Amino-N-(5-methyl-1,2-oxazol-3-yl)benzenesulfonamide, [ring-¹⁴C(U)]-



Lot #: 198-076-0262-A-20101216-JK

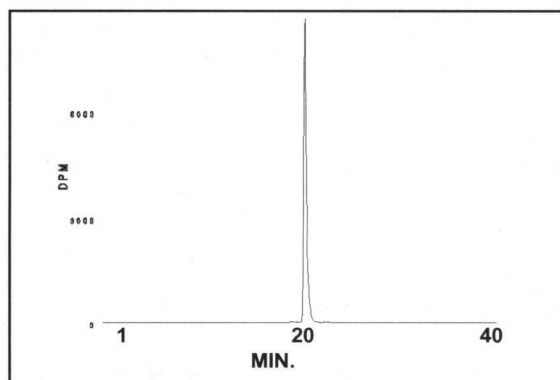
Specific Activity: 26.2 mCi/mmol

Concentration: 0.1 mCi/ml; 969.92 µg/ml

Packaged in: Ethanol solution

Date of Analysis: December 29, 2010

Radiochemical Purity: 98.9%



HPLC ANALYSIS LOT 198-076-0262-A-20101216-JK
File Name: intj2121 Date and Time: 12/29/2010 4:32:33 P
Unit 19 Radio

Peak #	Area %	Time	Area
1	0.67	19.28000	119.40366
2	98.96	20.60330	17620.53376
3	0.05	21.65670	8.54138
4	0.33	22.60000	57.91251
Totals	100.00		17806.39131

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-2359

4-Amino-N-(5-methyl-1,2-oxazol-3-yl)benzenesulfonamide, [ring-¹⁴C(U)]-

Lot 198-076-0262-A-20101216-JK

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.

¹⁴C **Material** concentration was 0.1 mCi/ml.

Volume of standard alone injection was 2.0 µl.

Volume of ¹⁴C **Material** alone injection was 2.0 µl.

Co-injection solution consisted of 2.0 µl ¹⁴C **Material** + 2.0 µl standard.

Volume of co-injection was 4.0 µl.

Volume of blank injection was 2.0 µl.

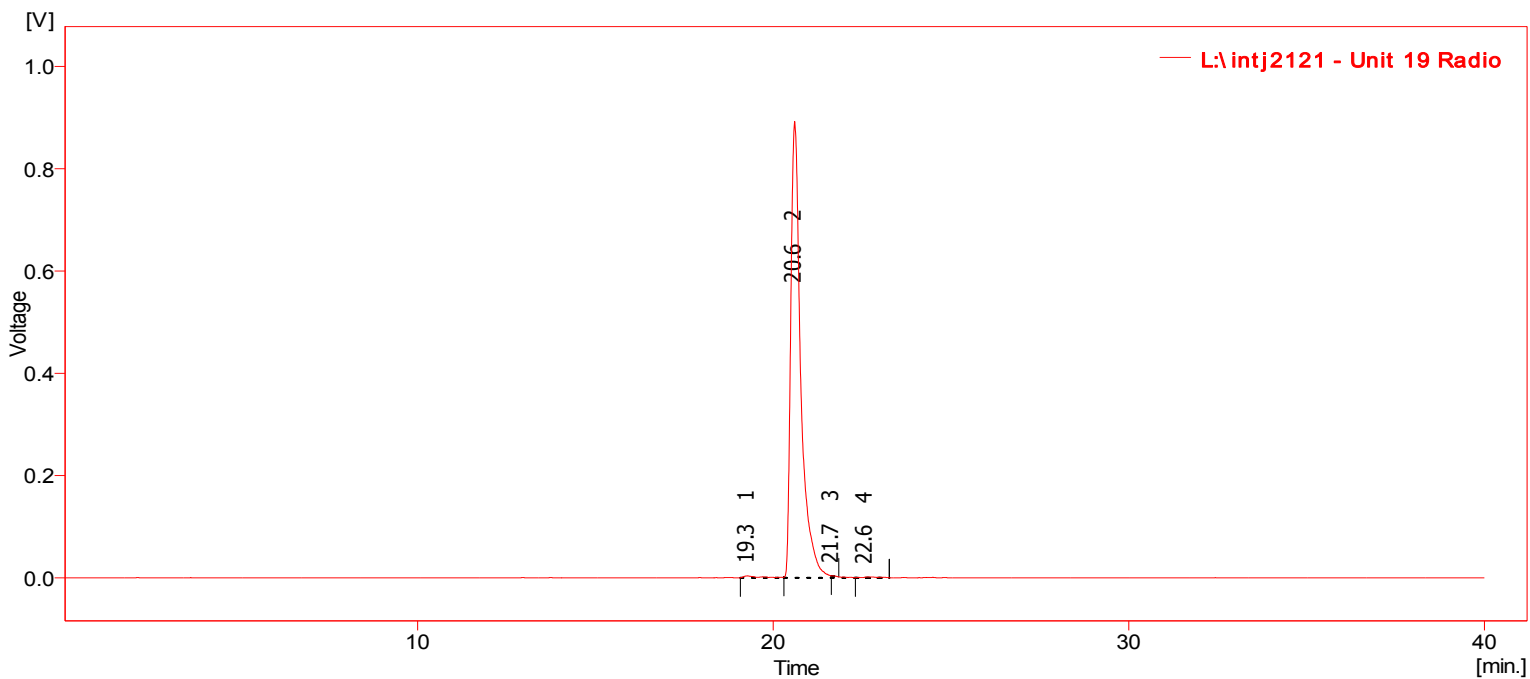
B) Mass spectrometry - Positive mode

C) NMR

MC-2359
4-Amino-N-(5-methyl-1,2-oxazol-3-yl)benzenesulfonamide, [ring-14C(U)]-
Lot 198-076-0262-A-20101216-JK

Chromatogram Info:

File Name	: L:\intj2121	File Created	: 5/22/2014 9:00:28 AM
Origin	: Acquired, Acquisition started 12/29/2010 3:52:34 PM	Acquired Date	: 12/29/2010 4:32:33 PM
Project	: Work1	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material alone	Modified	: 5/22/2014 9:19 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intj2121 - Unit 19 Radio)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]	Efficiency [th.pl]	Eff/I [t.p./m]	Resolution [-]	Symmetry/Tailing [-]	Response Factor
1		19.28	119.404	4.01	0.67	0.4	0.32	3533	70667		3.09	
2		20.60	17620.534	892.46	98.96	99.3	0.28	0	0	2.63	3.28	
3		21.66	8.541	0.65	0.05	0.1	0.06	211232	4224636	3.73	4.50	
4		22.60	57.913	1.59	0.33	0.2	0.37	9520	190401	2.61	1.66	
	Total		17806.391	898.71	100.00	100.0						

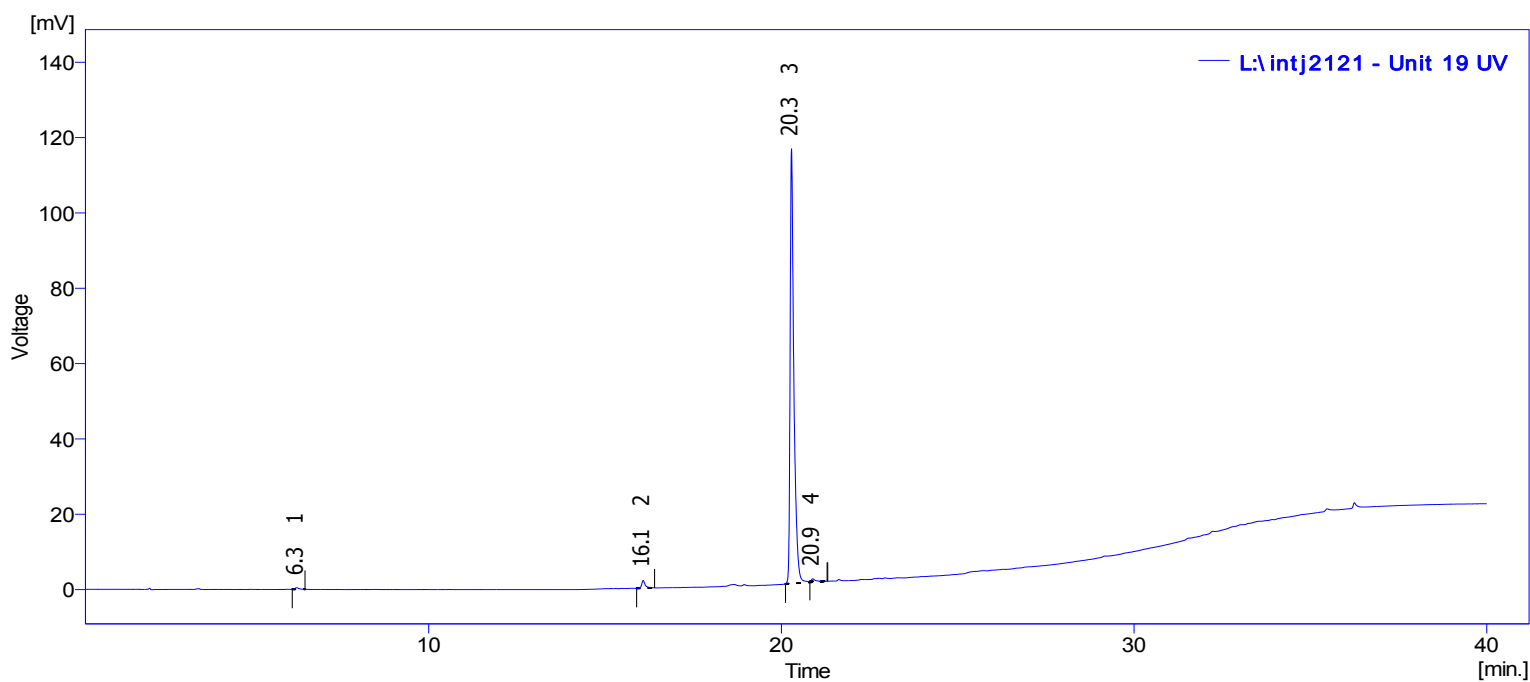
MC-2359
4-Amino-N-(5-methyl-1,2-oxazol-3-yl)benzenesulfonamide, [ring-14C(U)]-
Lot 198-076-0262-A-20101216-JK

Chromatogram Info:

File Name : L:\intj2121 File Created : 5/22/2014 9:00:28 AM
 Origin : Acquired, Acquisition started 12/29/2010 3:52:34 PM Acquired Date : 12/29/2010 4:32:33 PM
 Project : Work1 By : Administrator

Method : Unit19_40_min_run By : Administrator
 Description : UV trace of 14C material alone
 Created : 8/9/2007 1:12 PM Modified : 5/22/2014 9:20 AM

Column : Detection : UV 254nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



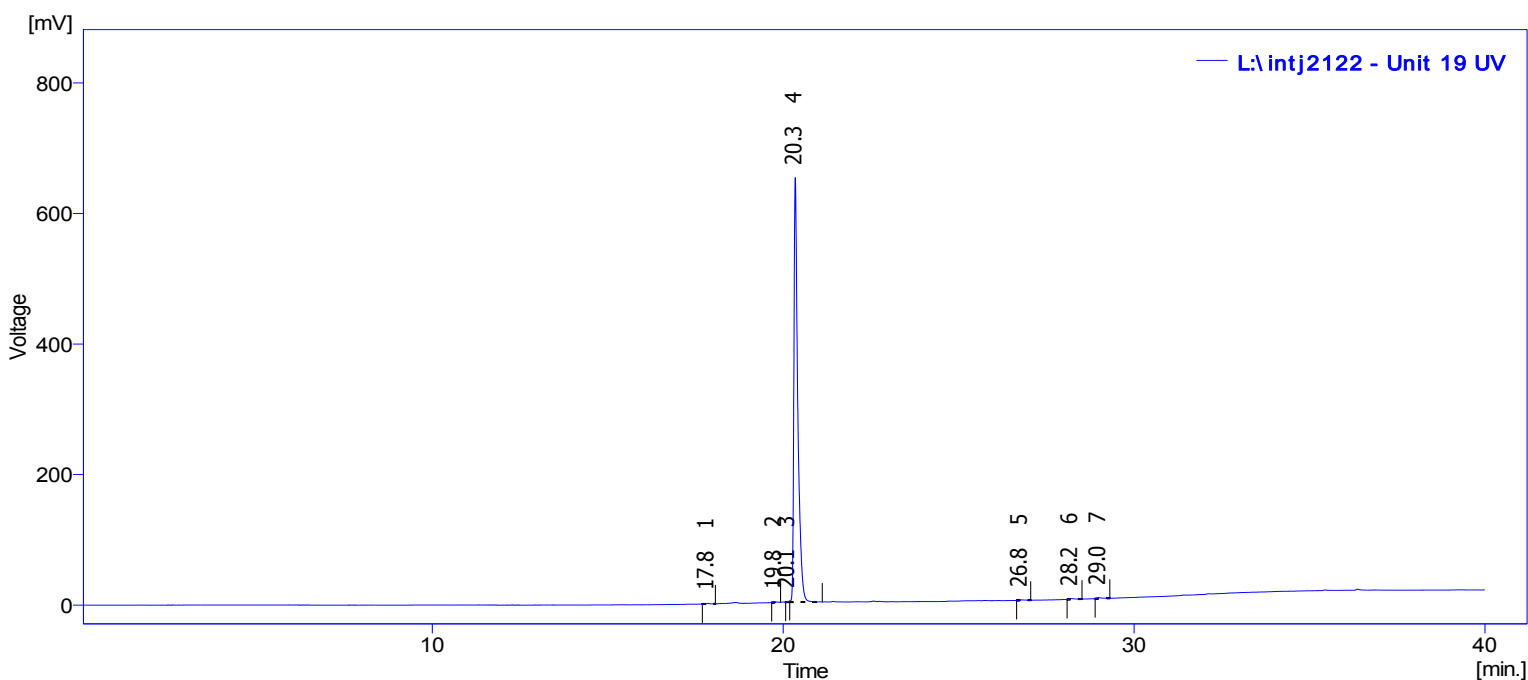
Result Table (Uncal - L:\intj2121 - Unit 19 UV)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]	Efficiency [th.pl]	Eff/I [t.p./m]	Resolution [-]	Symmetry/Tailing [-]	Response Factor
1		6.25	3.413	0.43	0.39	0.4	0.12	11618	232370		1.47	
2		16.08	14.065	2.04	1.60	1.7	0.10	63083	1261653	53.52	1.48	
3		20.29	857.227	115.42	97.40	97.3	0.11	0	0	24.41	3.52	
4		20.89	5.366	0.69	0.61	0.6	0.10	54610	1092202	3.50	2.61	
	Total		880.070	118.59	100.00	100.0						

MC-2359
4-Amino-N-(5-methyl-1,2-oxazol-3-yl)benzenesulfonamide, [ring-14C(U)]-
Lot 198-076-0262-A-20101216-JK

Chromatogram Info:

File Name : L:\intj2122 File Created : 5/22/2014 9:00:29 AM
 Origin : Acquired, Acquisition started 1/3/2011 9:12:55 AM Acquired Date : 1/3/2011 9:52:54 AM
 Project : Work1 By : Administrator
 Method : intj2122 By : Administrator
 Description : UV trace of standard material alone
 Created : 1/3/2011 8:56 AM Modified : 5/22/2014 9:21 AM
 Column : Detection : UV 254nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\intj2122 - Unit 19 UV)

Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]	Efficiency [th.pl]	Eff/I [t.p./m]	Resolution [-]	Symmetry/ Tailing [-]	Response Factor
1	17.84	5.693	0.93	0.11	0.1	0.09	217759	4355186		1.54	
2	19.77	6.914	1.07	0.14	0.2	0.12	150319	3006382	10.81	1.39	
3	20.14	5.881	1.31	0.12	0.2	0.08	323587	6471742	2.17	0.87	
4	20.34	5029.030	650.33	98.98	98.9	0.11	189482	3789646	1.24	1.78	
5	26.77	8.356	0.86	0.16	0.1	0.21	87235	1744693	23.45	1.87	
6	28.20	11.763	1.33	0.23	0.2	0.16	165181	3303627	4.49	2.04	
7	29.00	13.341	1.50	0.26	0.2	0.14	226783	4535669	3.07	1.94	
Total		5080.980	657.32	100.00	100.0						

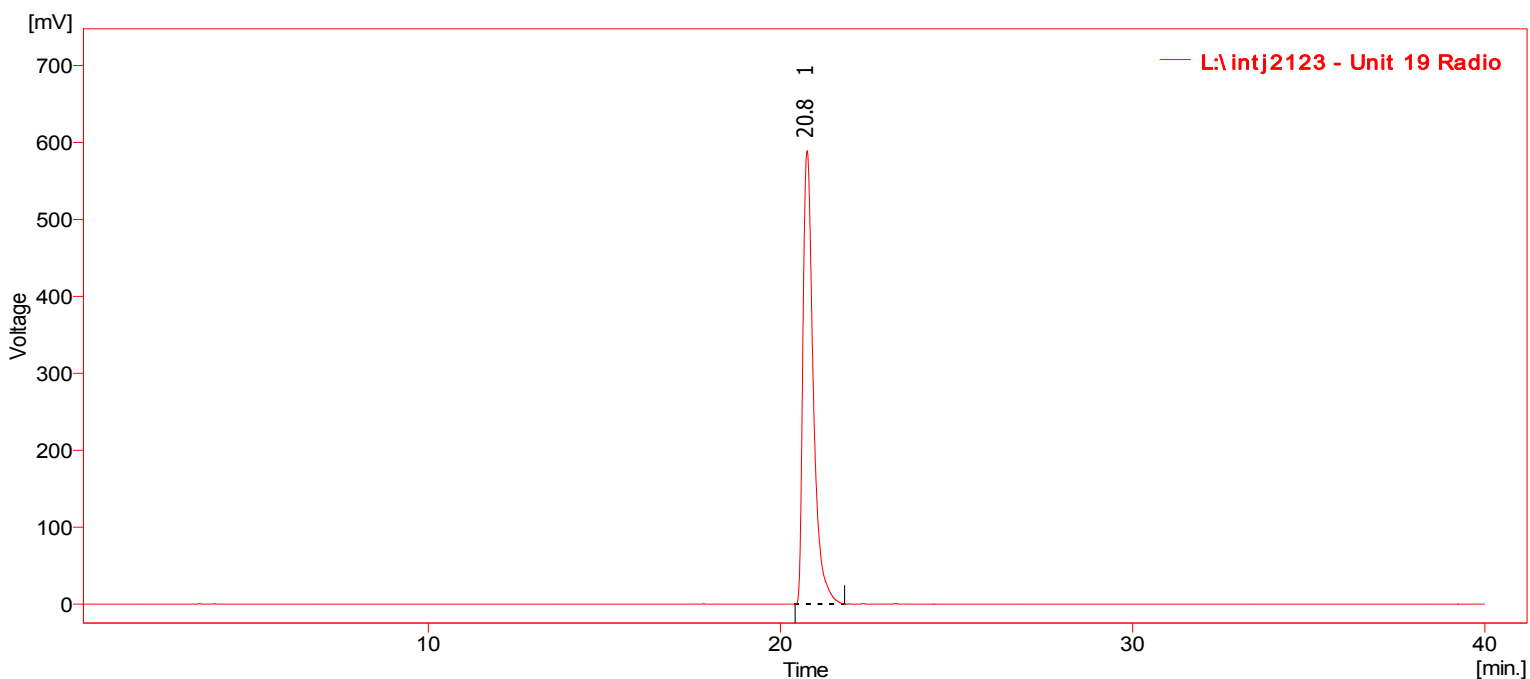
MC-2359
4-Amino-N-(5-methyl-1,2-oxazol-3-yl)benzenesulfonamide, [ring-14C(U)]-
Lot 198-076-0262-A-20101216-JK

Chromatogram Info:

File Name : L:\intj2123 File Created : 5/22/2014 9:00:29 AM
 Origin : Acquired, Acquisition started 1/3/2011 10:18:33 AM Acquired Date : 1/3/2011 10:58:33 AM
 Project : Work1 By : Administrator

Method : intj2123 By : Administrator
 Description : Radiochemical trace of 14C material co-injected with standard
 Created : 1/3/2011 8:56 AM Modified : 5/22/2014 9:23 AM

Column : Detection : Radiochemical
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\intj2123 - Unit 19 Radio)

Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]	Efficiency [th.pl]	Eff/I [t.p./m]	Resolution [-]	Symmetry/Tailing [-]	Response Factor
1	20.76	12065.498	589.37	100.00	100.0	0.30	25941	518818		1.65	
Total		12065.498	589.37	100.00	100.0						

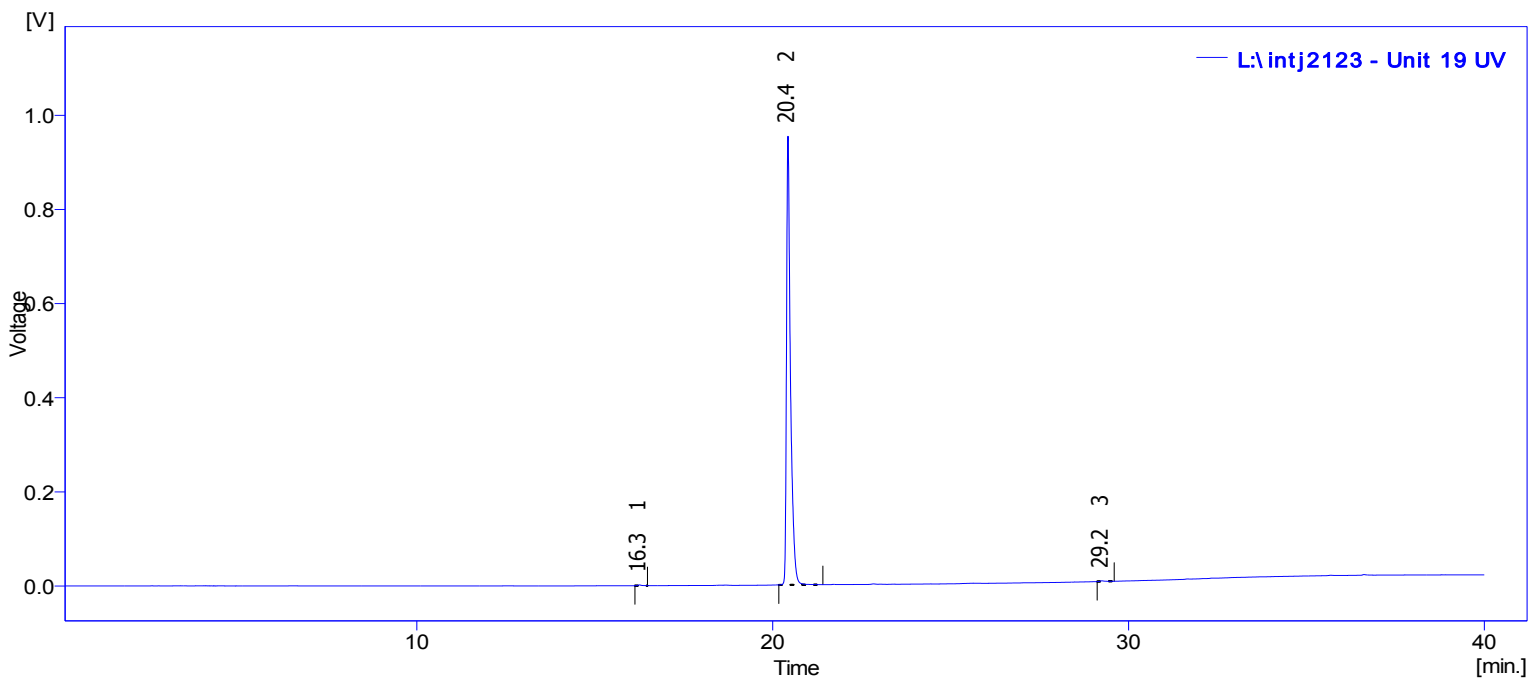
MC-2359
4-Amino-N-(5-methyl-1,2-oxazol-3-yl)benzenesulfonamide, [ring-14C(U)]-
Lot 198-076-0262-A-20101216-JK

Chromatogram Info:

File Name : L:\intj2123 File Created : 5/22/2014 9:00:29 AM
 Origin : Acquired, Acquisition started 1/3/2011 10:18:33 AM Acquired Date : 1/3/2011 10:58:33 AM
 Project : Work1 By : Administrator

Method : intj2123 By : Administrator
 Description : UV trace of 14C material co-injected with standard
 Created : 1/3/2011 8:56 AM Modified : 5/22/2014 9:22 AM

Column : Detection : UV 254nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\intj2123 - Unit 19 UV)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]	Efficiency [th.pl]	Eff/I [t.p./m]	Resolution [-]	Symmetry/Tailing [-]	Response Factor
1		16.26	10.566	1.69	0.14	0.2	0.09	180754	3615079		1.44	
2		20.43	7404.273	953.12	99.69	99.7	0.11	180024	3600486	24.22	1.71	
3		29.25	12.556	1.50	0.17	0.2	0.13	280399	5607972	42.75	1.93	
	Total		7427.395	956.31	100.00	100.0						

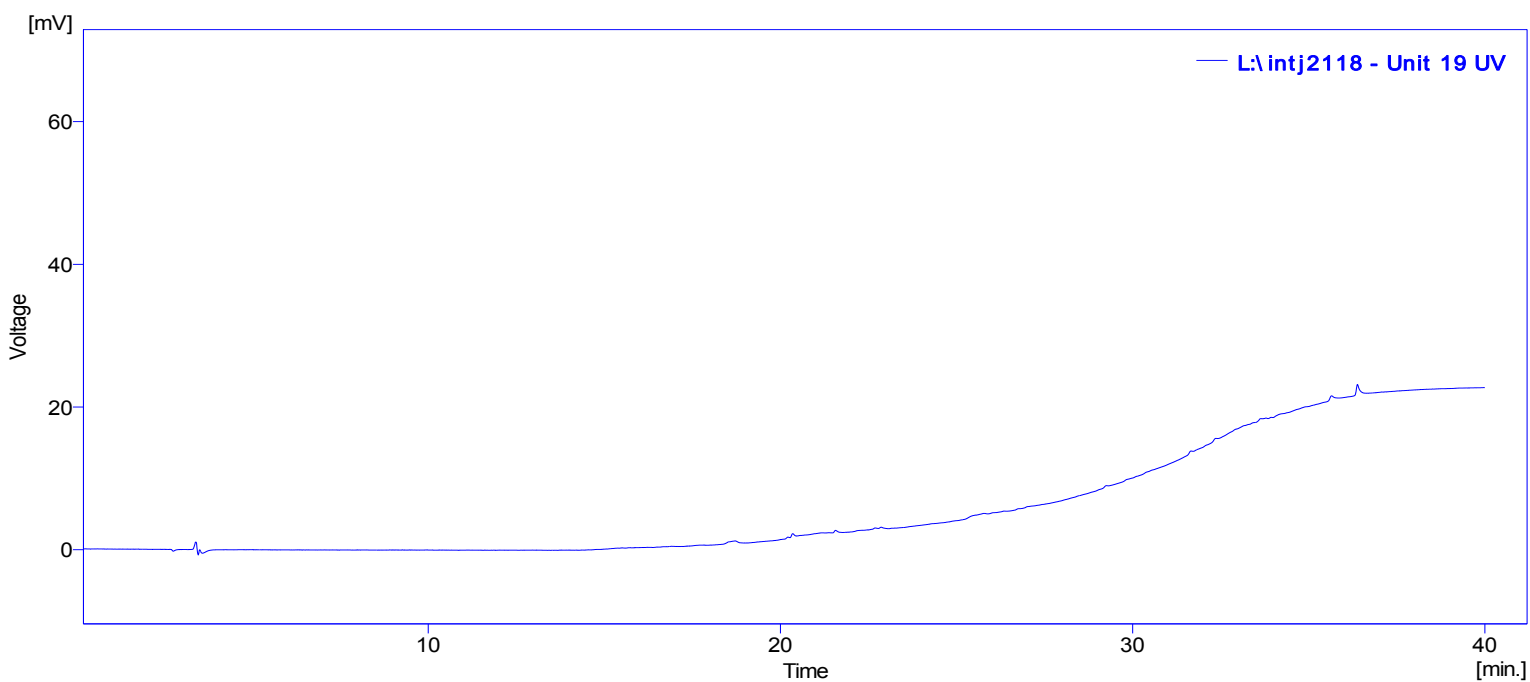
MC-2359
4-Amino-N-(5-methyl-1,2-oxazol-3-yl)benzenesulfonamide, [ring-14C(U)]-
Lot 198-076-0262-A-20101216-JK

Chromatogram Info:

File Name : L:\intj2118 File Created : 5/22/2014 9:00:29 AM
 Origin : Acquired, Acquisition started 12/29/2010 2:15:20 PM Acquired Date : 12/29/2010 2:55:19 PM
 Project : Work1 By : Administrator

Method : Unit19_40_min_run By : Administrator
 Description : UV trace of blank injection
 Created : 8/9/2007 1:12 PM Modified : 5/22/2014 9:08 AM

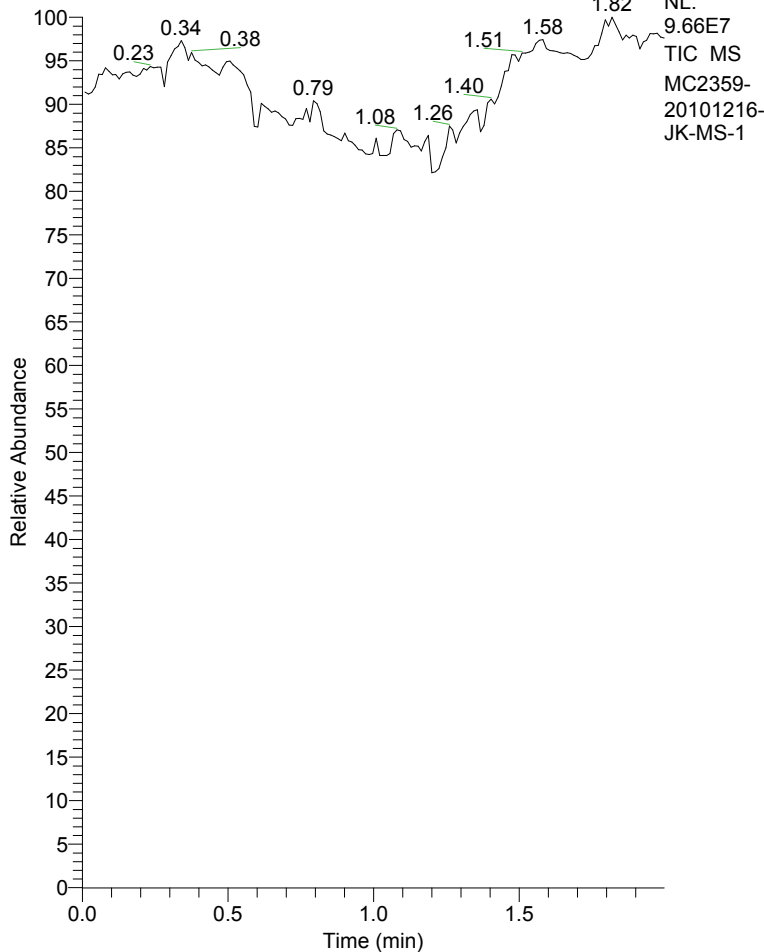
Column : Detection : UV 254nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\intj2118 - Unit 19 UV)

Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]	Efficiency [th.pl]	Eff/l [t.p./m]	Resolution [-]	Symmetry/Tailing [-]	Response Factor
No peak to report											

RT: 0.00 - 2.00



MC2359-20101216-JK-MS-1#1-168 RT:

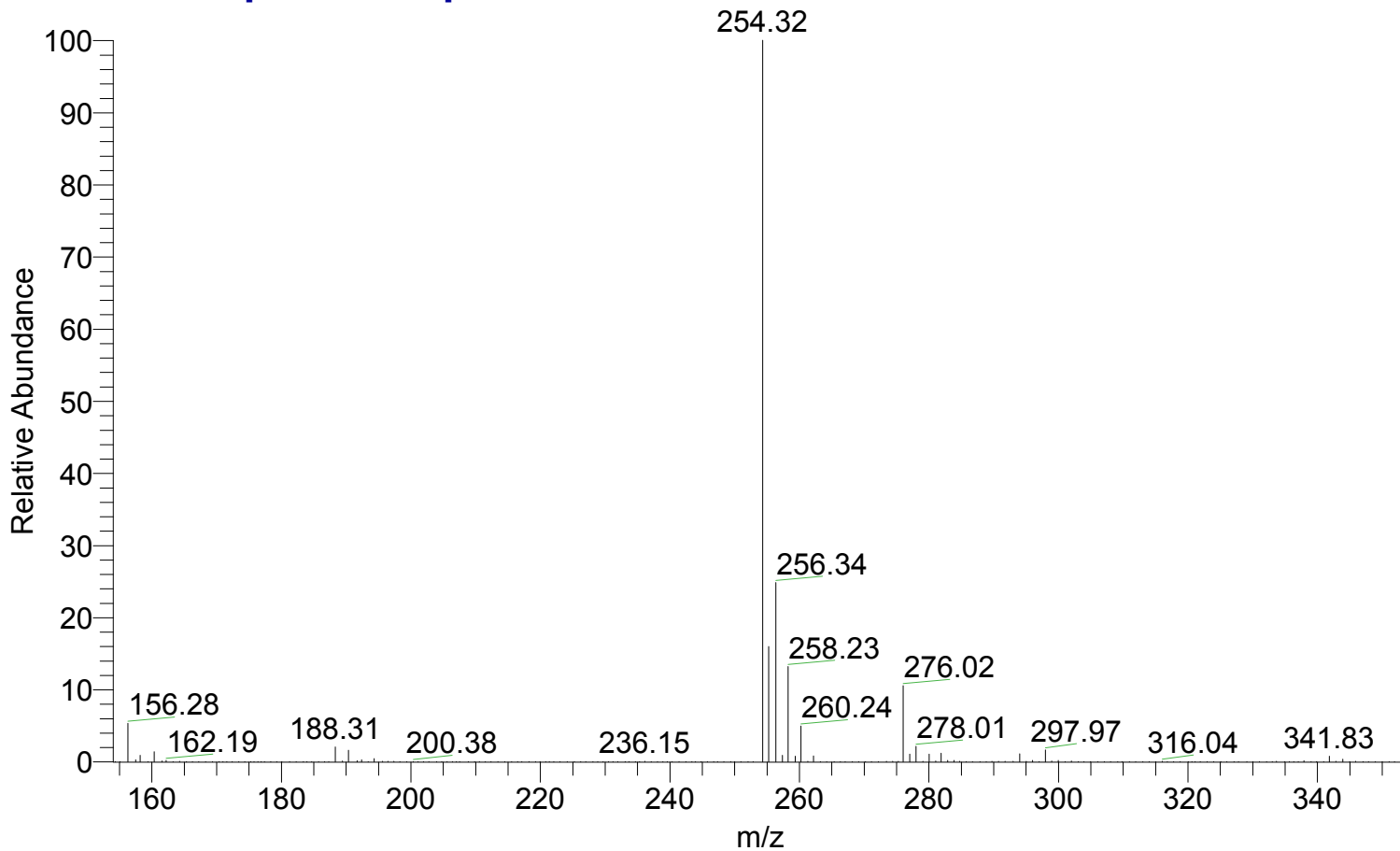
T: + c NSI Full ms [154.00-354.00]

m/z = 248.17-273.02

m/z	Intensity	Relative
252.85	6071.3	0.01
254.32	44699763.0	100.00
255.27	7150356.0	16.00
256.34	11111959.7	24.86
257.38	401015.0	0.90
258.23	5907557.8	13.22
259.33	337459.7	0.75
260.24	2217594.8	4.96
261.32	32934.2	0.07
262.19	352033.5	0.79
263.24	9860.4	0.02
264.19	15464.3	0.03
265.36	2954.3	0.01
266.33	3089.4	0.01
267.04	1333.0	0.00
268.18	17898.3	0.04
269.14	3143.4	0.01
270.21	7596.0	0.02
271.14	3042.4	0.01
272.19	3765.8	0.01

MC2359-20101216-JK-MS-1 #1-168 RT: 0.01-2.00 AV: 168 NL: 4.47E7

T: + c NSI Full ms [154.00-354.00]



MC2359 1H NMR in Acetone-d6
Batch 20101216-JK

