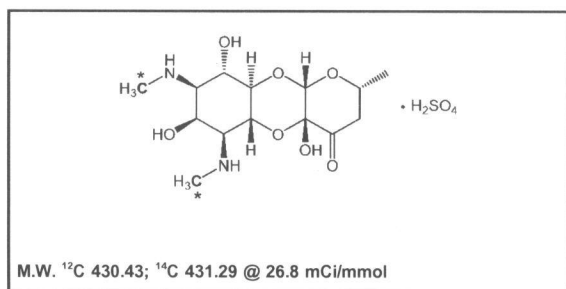




# Product Data Sheet

**MC-2414**

**Spectinomycin sulfate, [<sup>14</sup>C]-**



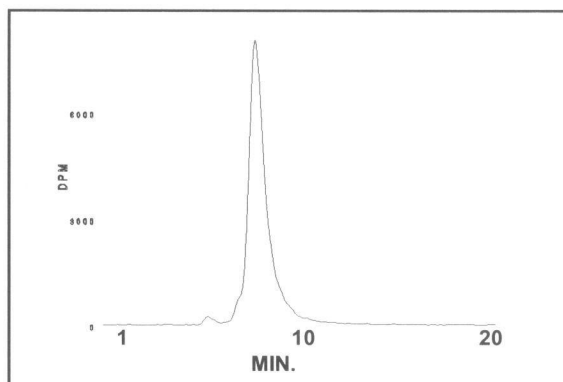
**Lot #:** 213-034-0268-A-20110323-DJ

**Specific Activity:** 26.8 mCi/mmol

**Packaged as:** Solid

**Date of Analysis:** April 06, 2011

**Radiochemical Purity:** 98.5%



HPLC ANALYSIS LOT 213-034-0268-A-20110323-DJ  
File Name: inth3049 Date and Time: 4/6/2011 2:16:27 PM  
Unit 17 Radio

Peak #	Area %	Time	Area
1	1.23	5.36330	655.50572
2	0.21	6.95000	113.16115
3	98.55	7.75000	52401.86933
Totals	100.00		53170.53620

**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-2414**

**Spectinomycin sulfate, [<sup>14</sup>C]-**

**Lot 213-034-0268-A-20110323-DJ**

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

**Concentrations and volumes:**

Standard solution concentration was 5.0 mg/ml.

**Spectinomycin sulfate, [<sup>14</sup>C]-** concentration was 40.0 µCi/ml.

Volume of standard alone injection was 15.0 µl.

Volume of **Spectinomycin sulfate, [<sup>14</sup>C]-** alone injection was 5.0 µl.

Co-injection solution consisted of 5.0 µl **Spectinomycin sulfate, [<sup>14</sup>C]-** + 15.0 µl standard.

Volume of co-injection was 20.0 µl.

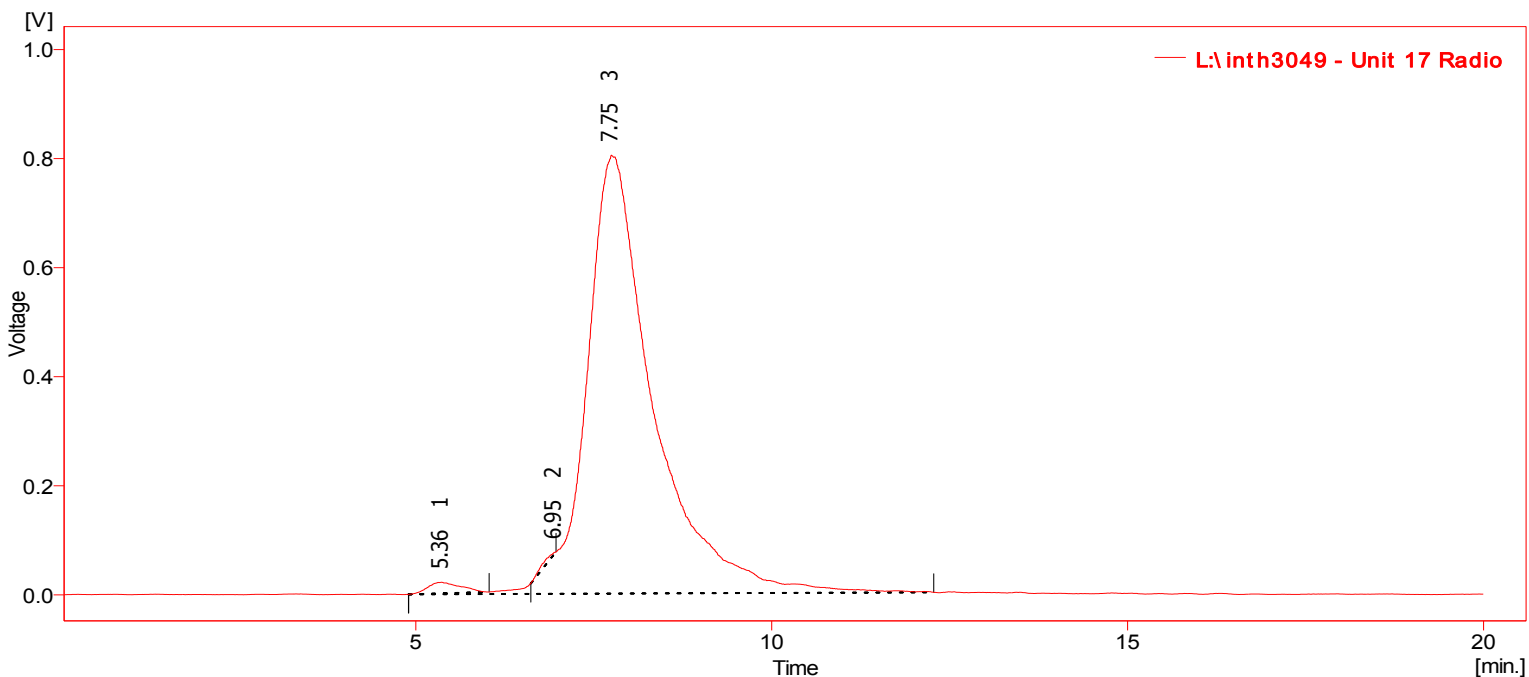
Volume of blank injection was 5.0 µl.

**B) Mass spectrometry - Positive mode**

**MC-2414**  
**Spectinomycin sulfate, [14C]-**  
**Lot 213-034-0268-A-20110323-DJ**

Chromatogram Info:

File Name	: L:\inth3049	File Created	: 5/27/2014 8:53:33 AM
Origin	: Acquired, Acquisition started 4/6/2011 1:56:27 PM	Acquired Date	: 4/6/2011 2:16:27 PM
Project	: Work1	By	: Administrator
Method	: Unit17_20_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material alone	Modified	: 5/27/2014 2:04 PM
Created	: 8/9/2007 8:57 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



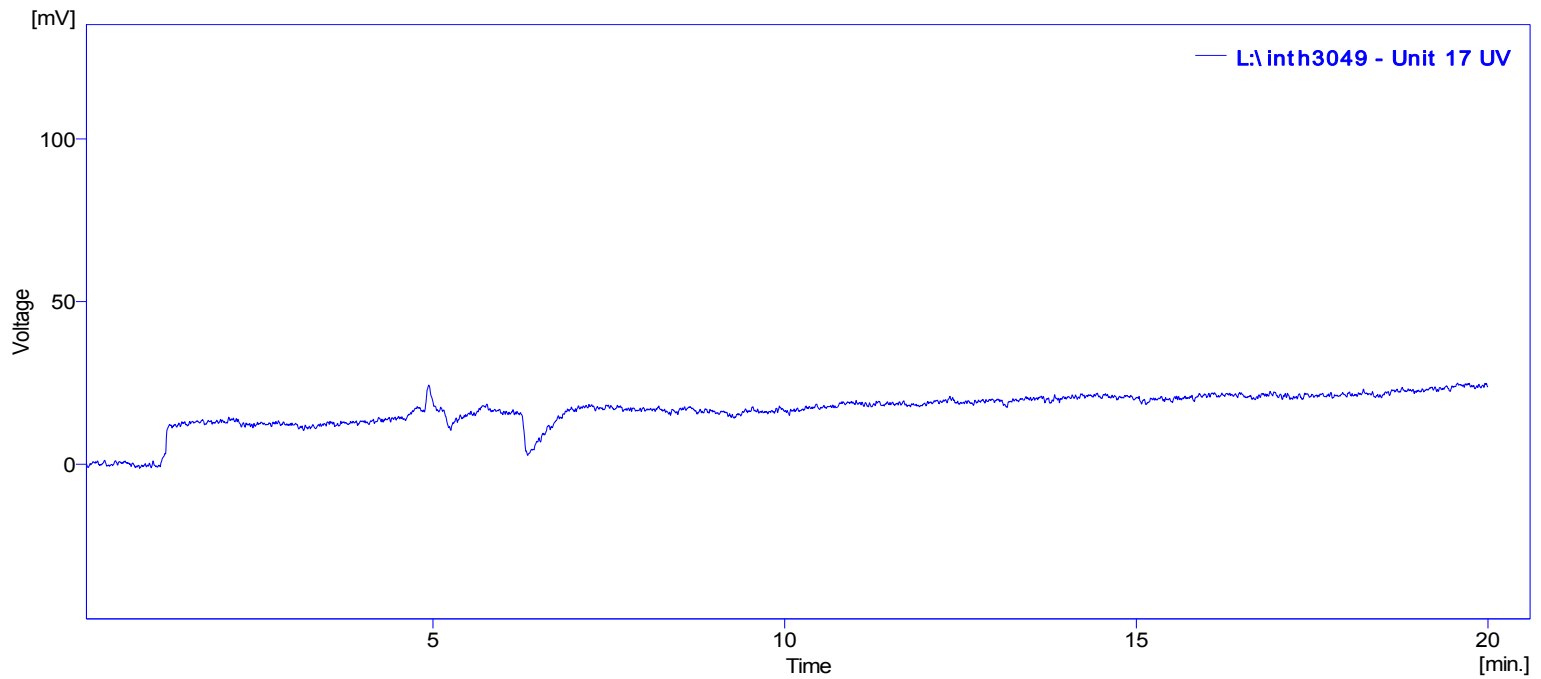
Result Table (Uncal - L:\inth3049 - Unit 17 Radio)

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	5.36	655.506	20.48	1.23	2.5	0.58	668	13352		1.24	
2	6.95	113.161	2.51	0.21	0.3	0.04	8199	163975	3.02	0.53	
3	7.75	52401.869	804.09	98.55	97.2	0.85	0	0	1.06	1.29	
Total		53170.536	827.08	100.00	100.0						

**MC-2414**  
**Spectinomycin sulfate, [14C]-**  
**Lot 213-034-0268-A-20110323-DJ**

## Chromatogram Info:

File Name : L:\inth3049 File Created : 5/27/2014 8:53:33 AM  
 Origin : Acquired, Acquisition started 4/6/2011 1:56:27 PM Acquired Date : 4/6/2011 2:16:27 PM  
 Project : Work1 By : Administrator  
 Method : Unit17\_20\_min\_run By : Administrator  
 Description : UV trace of 14C material alone  
 Created : 8/9/2007 8:57 AM Modified : 5/27/2014 2:17 PM  
 Column : Detection : UV 200nm  
 Mobile Phase : Temperature :  
 Flow Rate : Pressure :  
 Note :



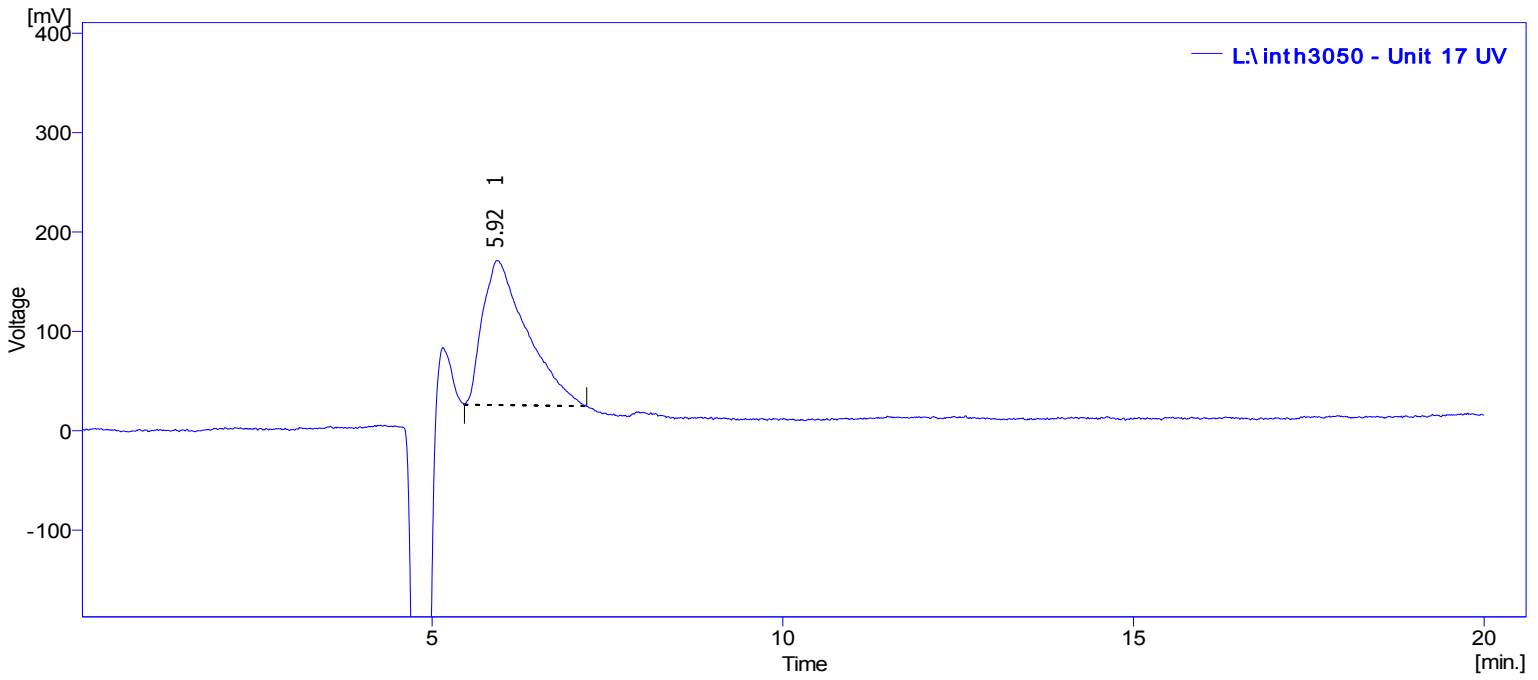
Result Table (Uncal - L:\inth3049 - Unit 17 UV)

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											

**MC-2414**  
**Spectinomycin sulfate, [14C]-**  
**Lot 213-034-0268-A-20110323-DJ**

Chromatogram Info:

File Name	: L:\inth3050	File Created	: 5/27/2014 1:51:20 PM
Origin	: Acquired, Acquisition started 4/6/2011 2:17:45 PM	Acquired Date	: 4/6/2011 2:37:45 PM
Project	: Work1	By	: Administrator
Method	: Unit17_20_min_run	By	: Administrator
Description	: UV trace of standard material alone	Modified	: 5/27/2014 2:06 PM
Created	: 8/9/2007 8:57 AM		
Column	:	Detection	: UV 200nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



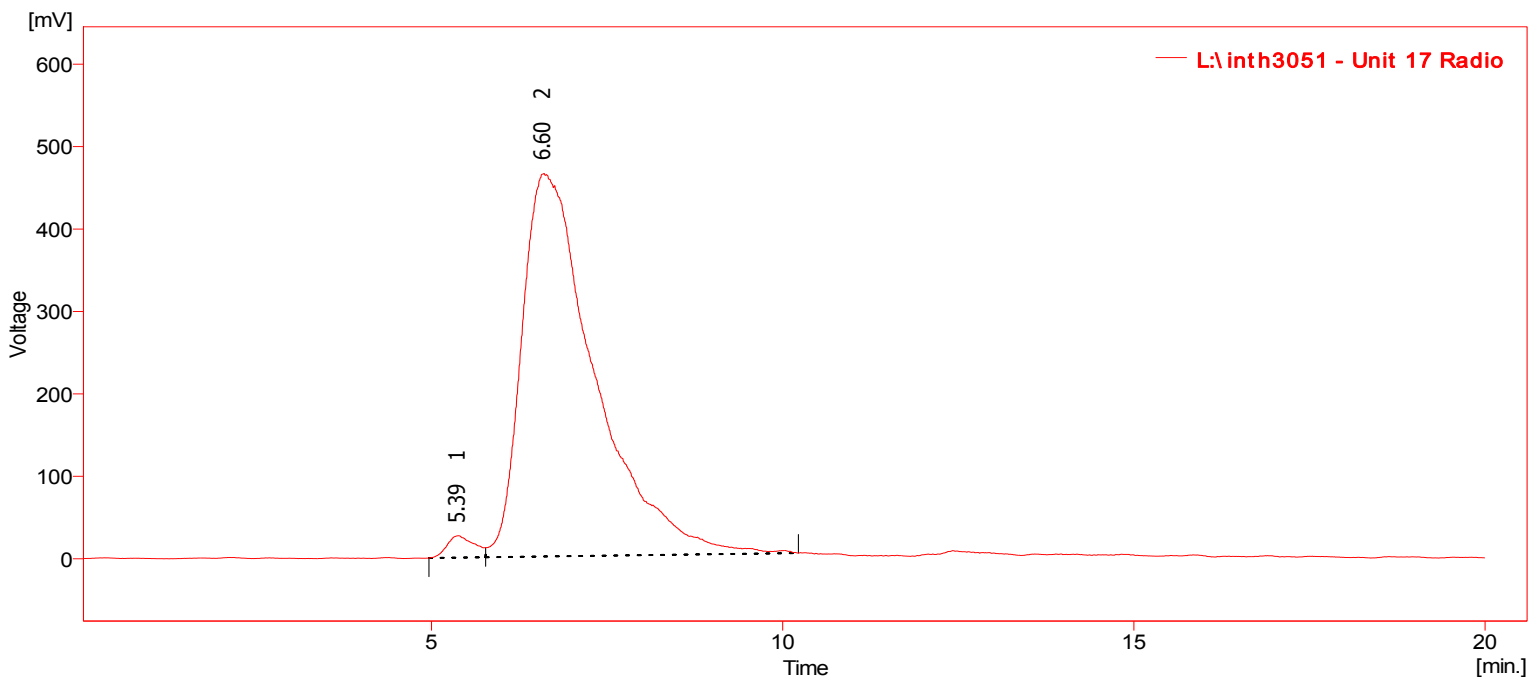
*Result Table (Uncal - L:\inth3050 - Unit 17 UV)*

	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		5.92	6418.460	145.43	100.00	100.0	0.70	347	6938		1.92	
		Total	6418.460	145.43	100.00	100.0						

**MC-2414**  
**Spectinomycin sulfate, [14C]-**  
**Lot 213-034-0268-A-20110323-DJ**

Chromatogram Info:

File Name	: L:\inth3051	File Created	: 5/27/2014 1:51:16 PM
Origin	: Acquired, Acquisition started 4/6/2011 2:38:43 PM	Acquired Date	: 4/6/2011 2:58:42 PM
Project	: Work1	By	: Administrator
Method	: Unit17_20_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material co-injected with standard		
Created	: 8/9/2007 8:57 AM	Modified	: 5/27/2014 2:08 PM
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



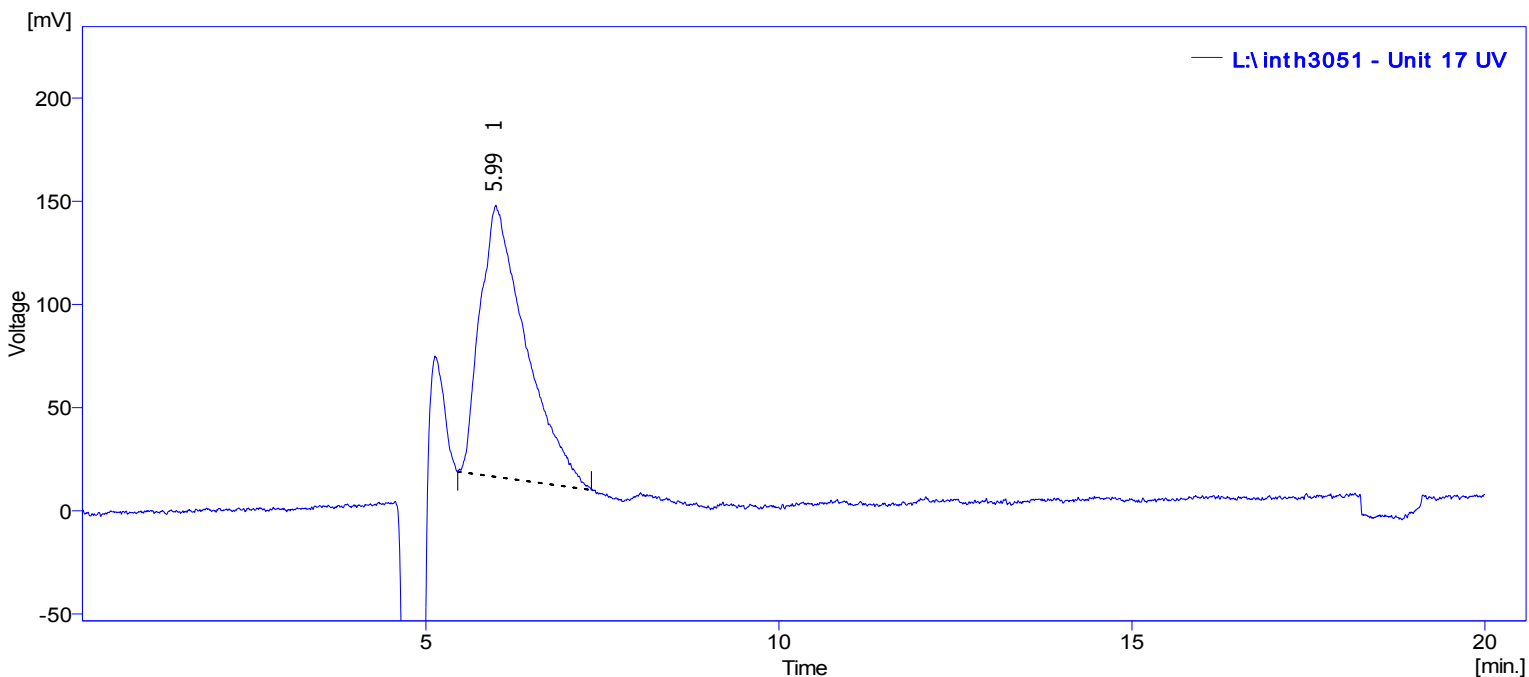
Result Table (Uncal - L:\inth3051 - Unit 17 Radio)

	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		5.39	718.339	26.64	2.09	5.4	0.50	1050	20999		1.05	
2		6.60	33731.923	464.67	97.91	94.6	1.04	121	2424	0.93	2.02	
	Total		34450.262	491.31	100.00	100.0						

**MC-2414**  
**Spectinomycin sulfate, [14C]-**  
**Lot 213-034-0268-A-20110323-DJ**

Chromatogram Info:

File Name	: L:\inth3051	File Created	: 5/27/2014 1:51:16 PM
Origin	: Acquired, Acquisition started 4/6/2011 2:38:43 PM	Acquired Date	: 4/6/2011 2:58:42 PM
Project	: Work1	By	: Administrator
Method	: Unit17_20_min_run	By	: Administrator
Description	: UV trace of 14C material co-injected with standard	Modified	: 5/27/2014 2:18 PM
Created	: 8/9/2007 8:57 AM		
Column	:	Detection	: UV 200nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



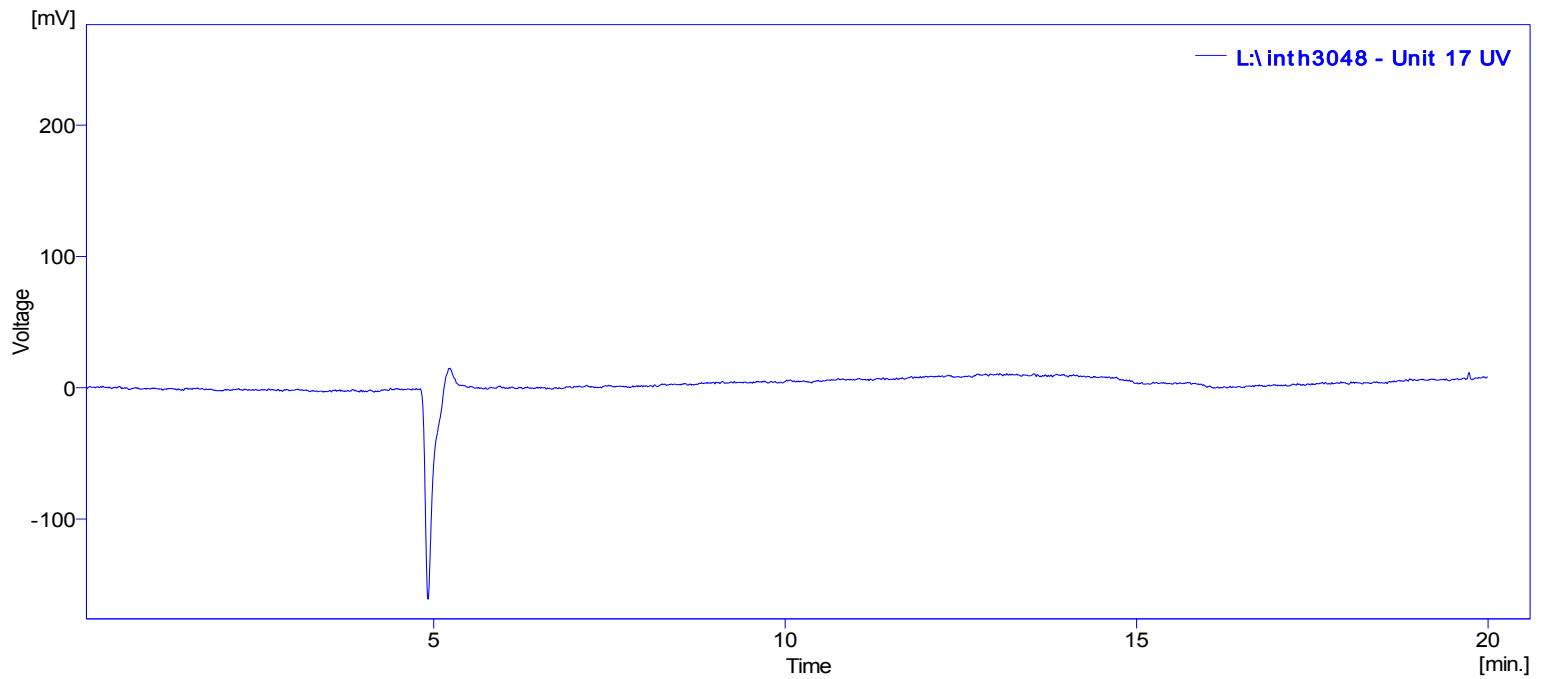
*Result Table (Uncal - L:\inth3051 - Unit 17 UV)*

	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		5.99	5934.475	131.66	100.00	100.0	0.70	324	6481		1.80	
		Total	5934.475	131.66	100.00	100.0						

**MC-2414**  
**Spectinomycin sulfate, [14C]-**  
**Lot 213-034-0268-A-20110323-DJ**

## Chromatogram Info:

File Name : L:\inth3048 File Created : 5/27/2014 1:51:16 PM  
Origin : Acquired, Acquisition started 4/6/2011 1:32:26 PM Acquired Date : 4/6/2011 1:52:25 PM  
Project : Work1 By : Administrator  
Method : Unit17\_20\_min\_run By : Administrator  
Description : UV trace of blank injection  
Created : 8/9/2007 8:57 AM Modified : 5/27/2014 2:11 PM  
Column : Detection : UV 200nm  
Mobile Phase : Temperature :  
Flow Rate : Pressure :  
Note :

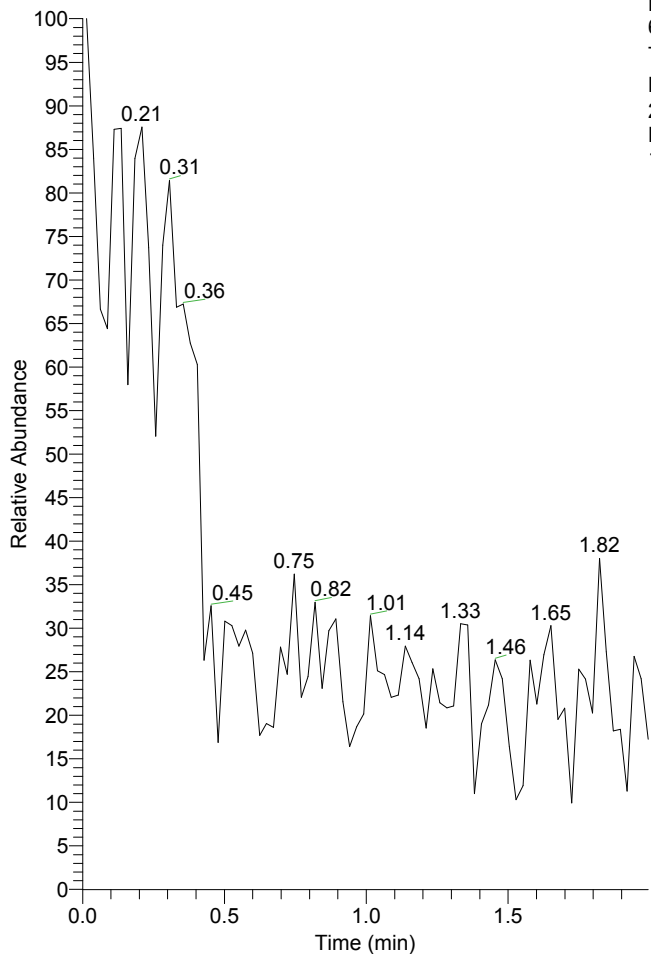


Result Table (Uncal - L:\inth3048 - Unit 17 UV)

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 - 1.99



NL:  
6.04E8  
TIC MS  
MC2414-  
20110323-  
DJ\_110406  
141301

MC2414-20110323-DJ\_110406141301 #1-82

T: + p NSI Z ms [316.00-350.00]

m/z= 329.65-344.31

m/z	Intensity	Relative
332.07	1914597.9	2.10
333.06	91146512.0	100.00
334.04	14224850.0	15.61
335.02	39480072.0	43.31
336.03	5777203.5	6.34
337.01	10589897.0	11.62
338.01	1424836.1	1.56
339.01	926697.1	1.02
340.03	182791.8	0.20
340.96	806142.1	0.88
341.97	151245.1	0.17
342.98	293326.7	0.32
343.97	302835.0	0.33

MC2414-20110323-DJ\_110406141301  
T: + p NSI Z ms [316.00-350.00]

#1-82 RT: 0.01-1.99 AV: 82 NL: 2.51E6

