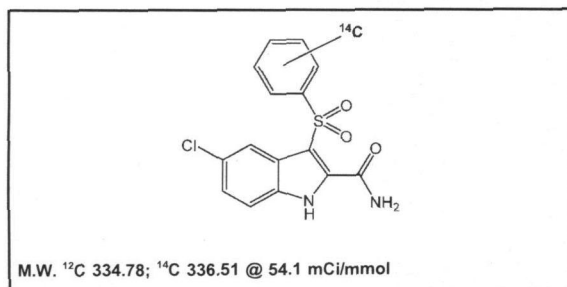




## Product Data Sheet

**MC-2361**

### 5-Chloro-3-phenylsulfonylindole-2-carboxamide, [<sup>14</sup>C]-



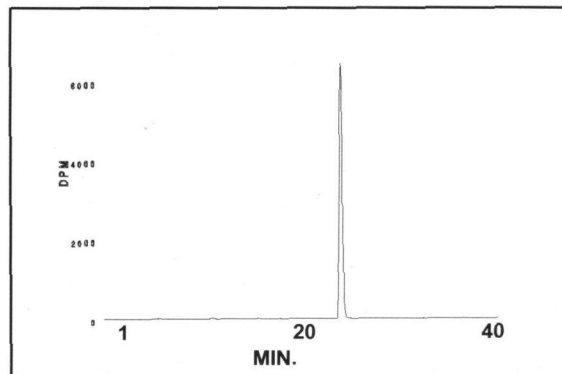
**Lot #:** 648-090-0541-A-20110107-JH

**Specific Activity:** 54.1 mCi/mmol

**Packaged as:** Solid

**Date of Analysis:** January 13, 2011

**Radiochemical Purity:** 99.9%



HPLC ANALYSIS LOT 648-090-0541-A-20110107-JH  
File Name: intg3347 Date and Time: 1/13/2011 2:17:38 PM  
Unit 16 Radio

Peak #	Area %	Time	Area
1	100.00	24.11000	13339.96370
Totals	100.00		13339.96370

**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-2361**

**5-Chloro-3-phenylsulfonylindole-2-carboxamide, [<sup>14</sup>C]-**

**Lot 648-090-0541-A-20110107-JH**

**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.

<sup>14</sup>**C Material** concentration was 55.0 µCi/ml.

Volume of standard alone injection was 5.0 µl.

Volume of <sup>14</sup>**C Material** alone injection was 2.5 µl.

Co-injection solution consisted of 2.5 µl <sup>14</sup>**C Material** + 5.0 µl standard.

Volume of co-injection was 7.5 µl.

Volume of blank injection was 2.5 µl.

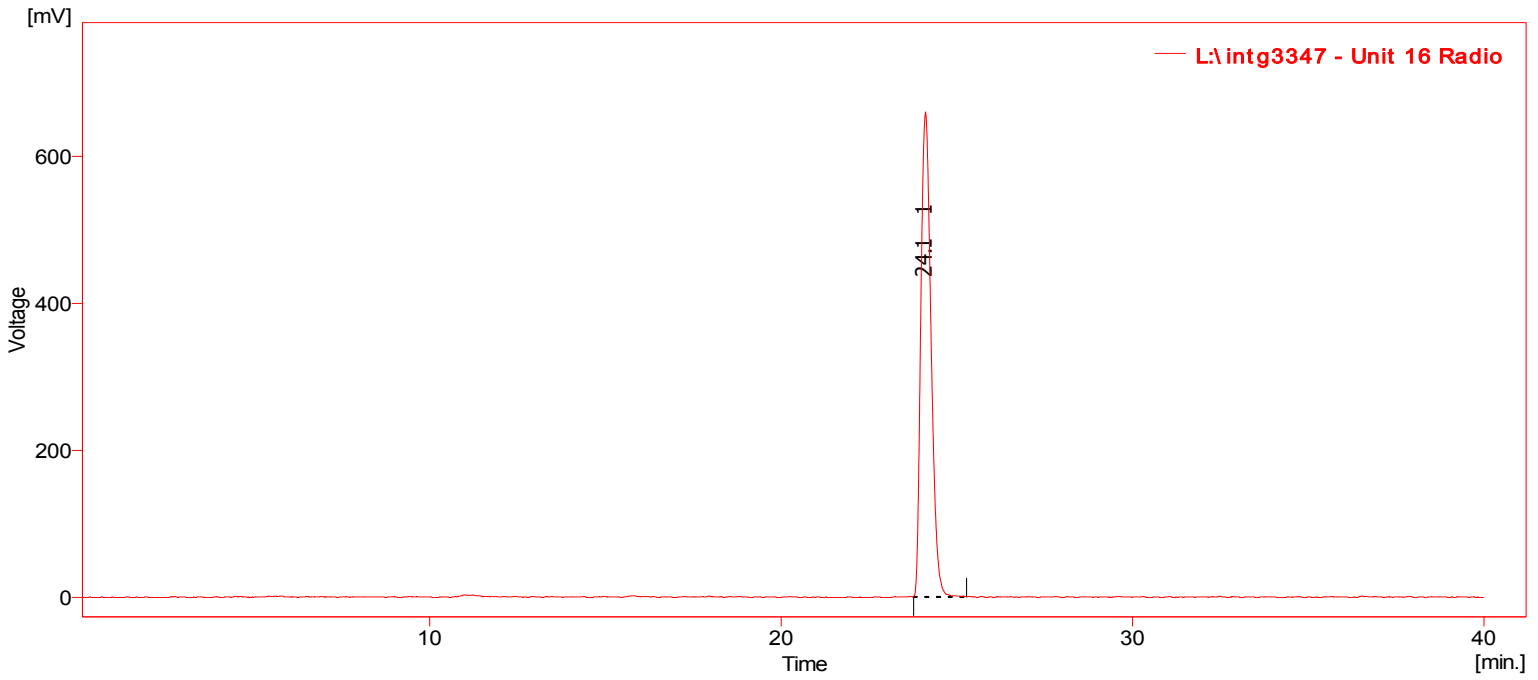
**B) Mass spectrometry - Negative mode**

**C) NMR**

**MC-2361**  
**5-Chloro-3-phenylsulfonylindole-2-carboxamide, [14C]-**  
**Lot 648-090-0541-A-20110107-JH**

Chromatogram Info:

File Name	: L:\intg3347	File Created	: 5/22/2014 4:09:08 PM
Origin	: Acquired, Acquisition started 1/13/2011 1:37:39 PM	Acquired Date	: 1/13/2011 2:17:38 PM
Project	: Work1	By	: Administrator
Method	: Unit16_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material alone	Modified	: 5/22/2014 4:27 PM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



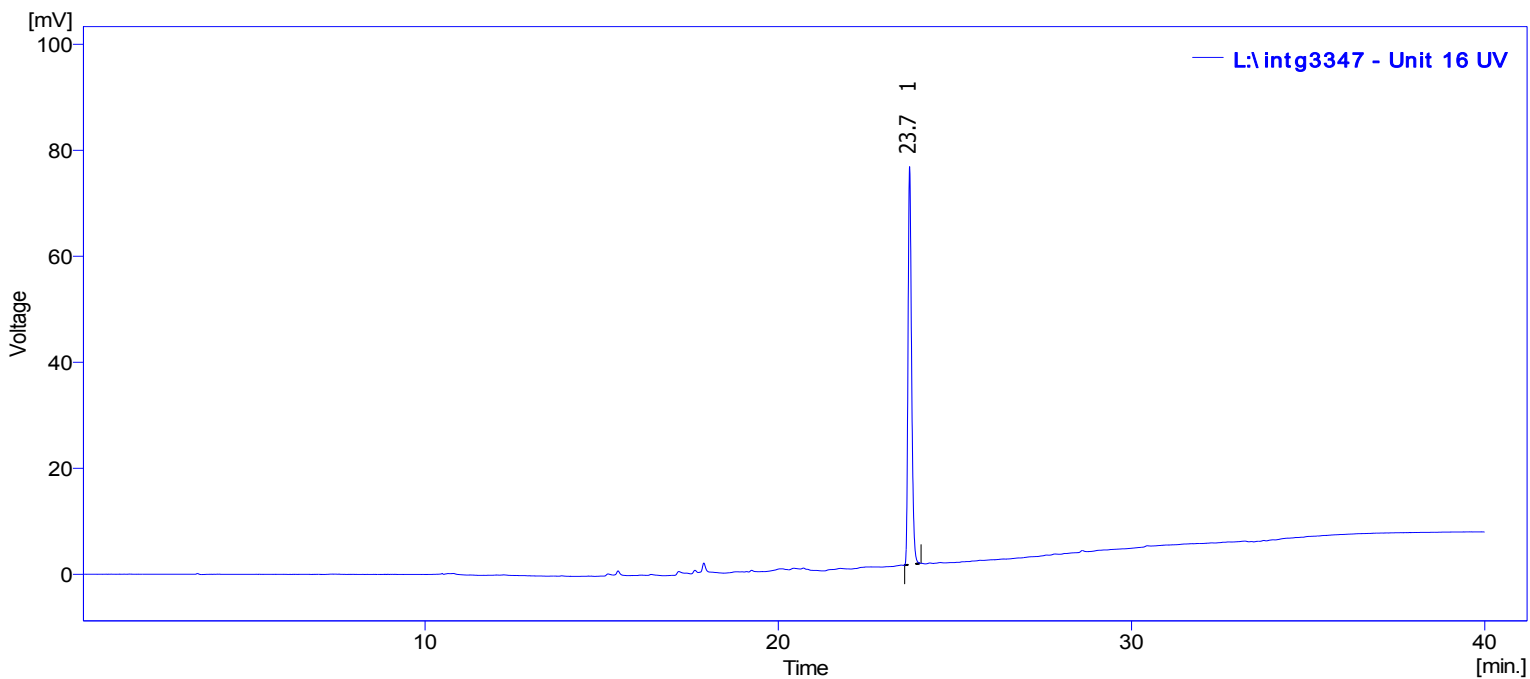
*Result Table (Uncal - L:\intg3347 - Unit 16 Radio)*

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	24.11	13339.964	659.79	100.00	100.0	0.32	27958	559155		1.26	
Total		13339.964	659.79	100.00	100.0						

**MC-2361**  
**5-Chloro-3-phenylsulfonylindole-2-carboxamide, [14C]-**  
**Lot 648-090-0541-A-20110107-JH**

Chromatogram Info:

File Name	: L:\intg3347	File Created	: 5/22/2014 4:09:08 PM
Origin	: Acquired, Acquisition started 1/13/2011 1:37:39 PM	Acquired Date	: 1/13/2011 2:17:38 PM
Project	: Work1	By	: Administrator
Method	: Unit16_40_min_run	By	: Administrator
Description	: UV trace of 14C material alone	Modified	: 5/22/2014 4:27 PM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: UV 254nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



*Result Table (Uncal - L:\intg3347 - Unit 16 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		23.72	524.127	75.09	100.00	100.0	0.11	220036	4400712		1.29	
		Total	524.127	75.09	100.00	100.0						

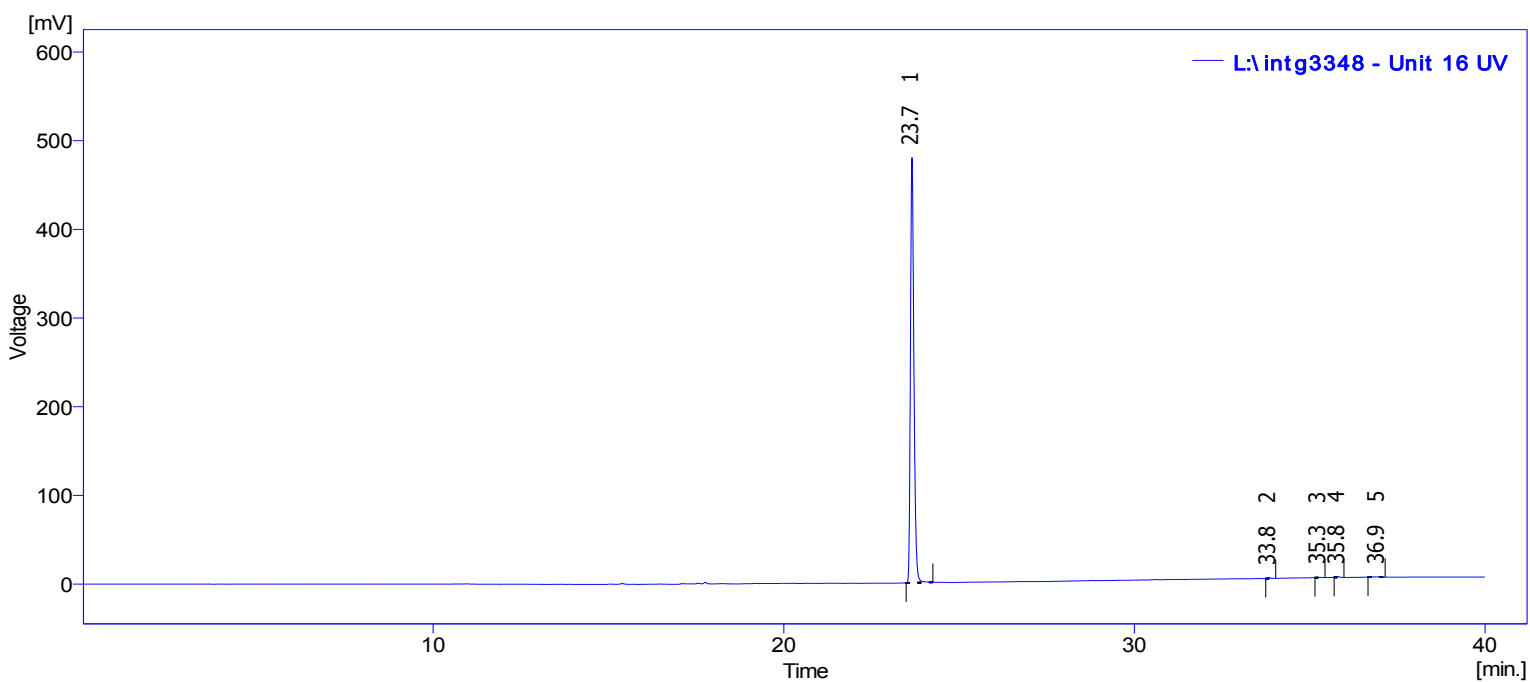
**MC-2361**  
**5-Chloro-3-phenylsulfonylindole-2-carboxamide, [14C]-**  
**Lot 648-090-0541-A-20110107-JH**

## Chromatogram Info:

File Name : L:\intg3348 File Created : 5/22/2014 4:09:07 PM  
 Origin : Acquired, Acquisition started 1/13/2011 2:27:21 PM Acquired Date : 1/13/2011 3:07:20 PM  
 Project : Work1 By : Administrator

Method : Unit16\_40\_min\_run By : Administrator  
 Description : UV trace of standard material alone  
 Created : 8/9/2007 8:59 AM Modified : 5/22/2014 4:28 PM

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



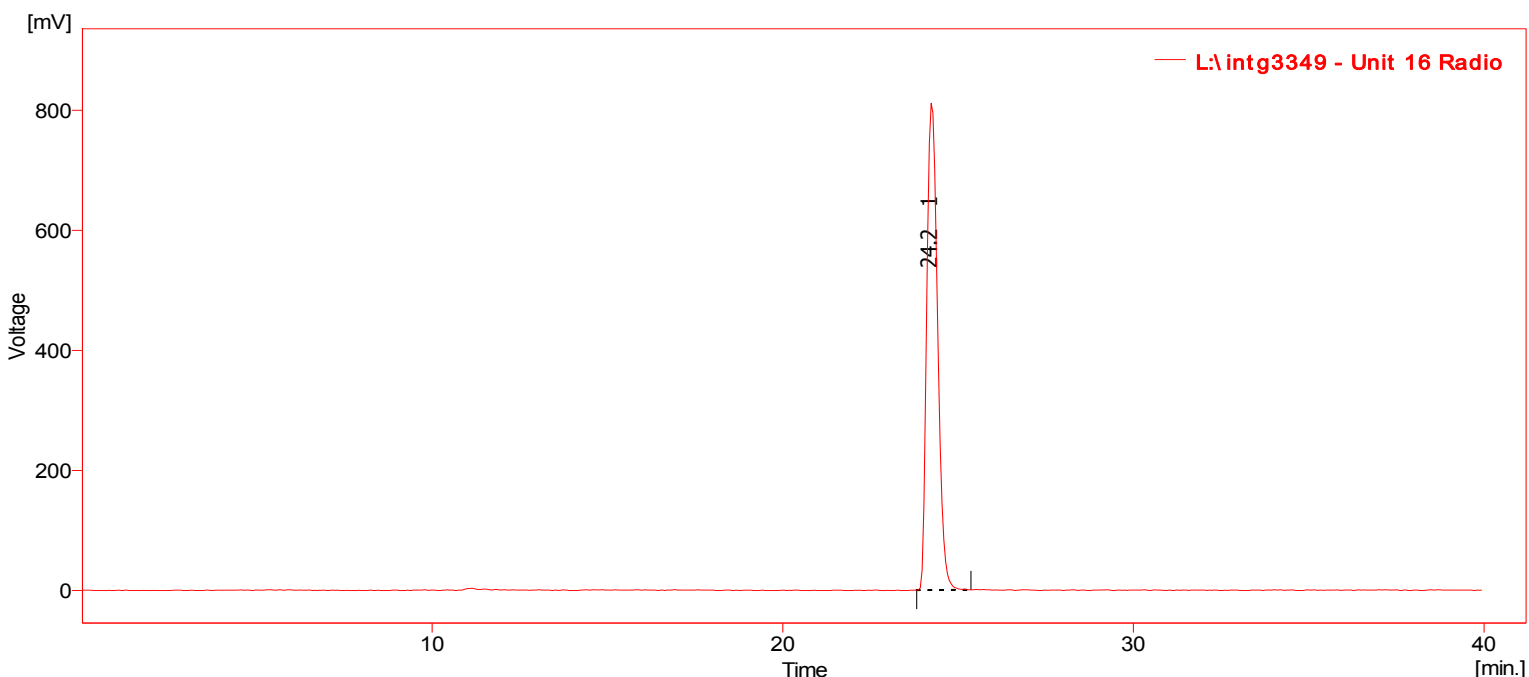
Result Table (Uncal - L:\intg3348 - Unit 16 UV)

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	23.66	3289.891	479.28	99.44	99.5	0.11	185384	3707681		1.27	
2	33.84	5.644	0.98	0.17	0.2	0.09	550321	11006411	61.08	1.60	
3	35.27	2.865	0.45	0.09	0.1	0.11	693464	13869284	8.58	1.19	
4	35.81	4.823	0.79	0.15	0.2	0.10	744906	14898116	3.13	1.19	
5	36.94	5.234	0.41	0.16	0.1	0.23	198641	3972829	4.08	0.87	
Total		3308.458	481.90	100.00	100.0						

**MC-2361**  
**5-Chloro-3-phenylsulfonylindole-2-carboxamide, [14C]-**  
**Lot 648-090-0541-A-20110107-JH**

Chromatogram Info:

File Name	: L:\intg3349	File Created	: 5/22/2014 4:09:07 PM
Origin	: Acquired, Acquisition started 1/13/2011 3:15:06 PM	Acquired Date	: 1/13/2011 3:55:05 PM
Project	: Work1	By	: Administrator
Method	: Unit16_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material co-injected with standard		
Created	: 8/9/2007 8:59 AM	Modified	: 5/22/2014 4:29 PM
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intg3349 - Unit 16 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	24.23	17509.613	810.78	100.00	100.0	0.36	27303	546057		1.40	
Total		17509.613	810.78	100.00	100.0						

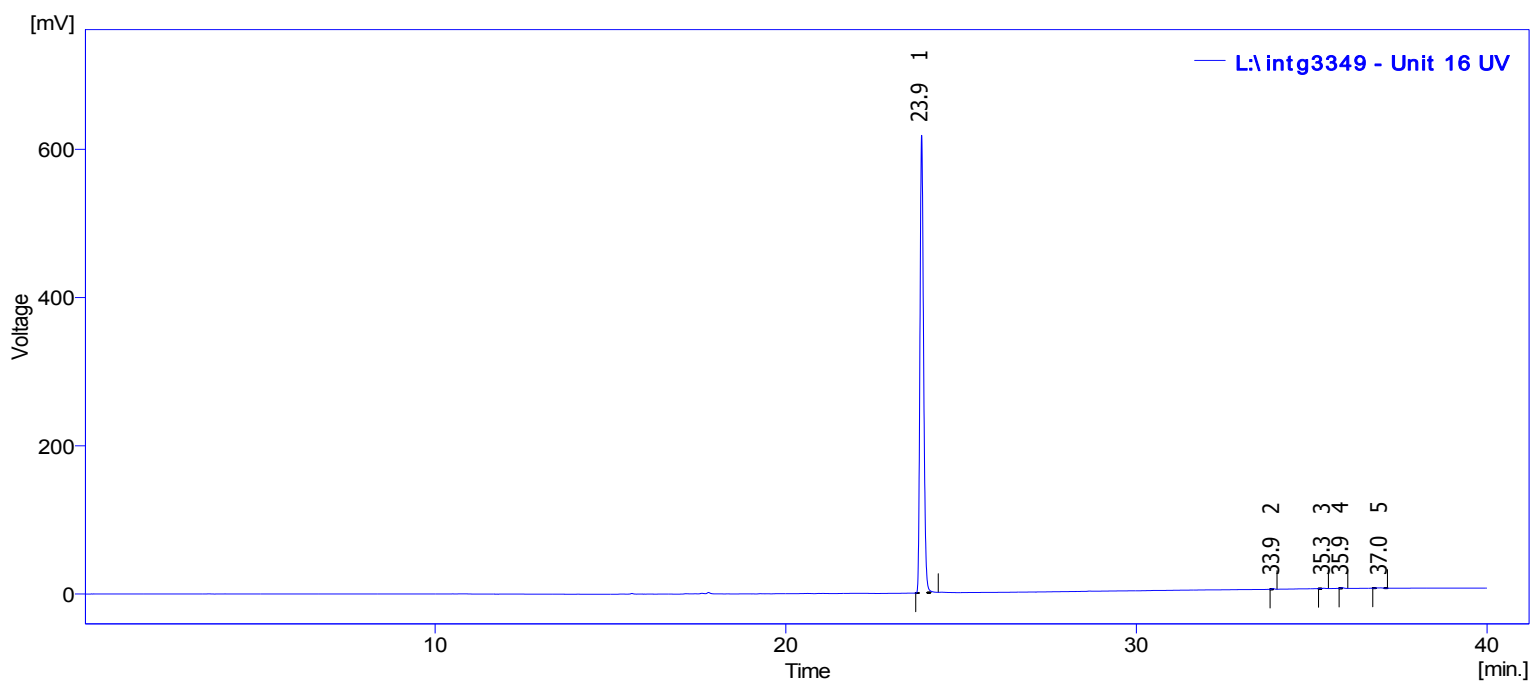
**MC-2361**  
**5-Chloro-3-phenylsulfonylindole-2-carboxamide, [14C]-**  
**Lot 648-090-0541-A-20110107-JH**

## Chromatogram Info:

File Name : L:\intg3349 File Created : 5/22/2014 4:09:07 PM  
 Origin : Acquired, Acquisition started 1/13/2011 3:15:06 PM Acquired Date : 1/13/2011 3:55:05 PM  
 Project : Work1 By : Administrator

Method : Unit16\_40\_min\_run By : Administrator  
 Description : UV trace of 14C material co-injected with standard  
 Created : 8/9/2007 8:59 AM Modified : 5/22/2014 4:30 PM

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



Result Table (Uncal - L:\intg3349 - Unit 16 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	23.87	4452.297	617.35	99.58	99.5	0.12	208864	4177283		1.22	
2	33.89	5.055	1.08	0.11	0.2	0.08	1174838	23496763	61.16	1.21	
3	35.34	2.945	0.47	0.07	0.1	0.10	722435	14448703	9.48	1.13	
4	35.87	5.077	0.89	0.11	0.1	0.09	863529	17270570	3.21	1.24	
5	36.97	5.755	0.46	0.13	0.1	0.22	227769	4555372	4.16	0.86	
Total		4471.130	620.25	100.00	100.0						

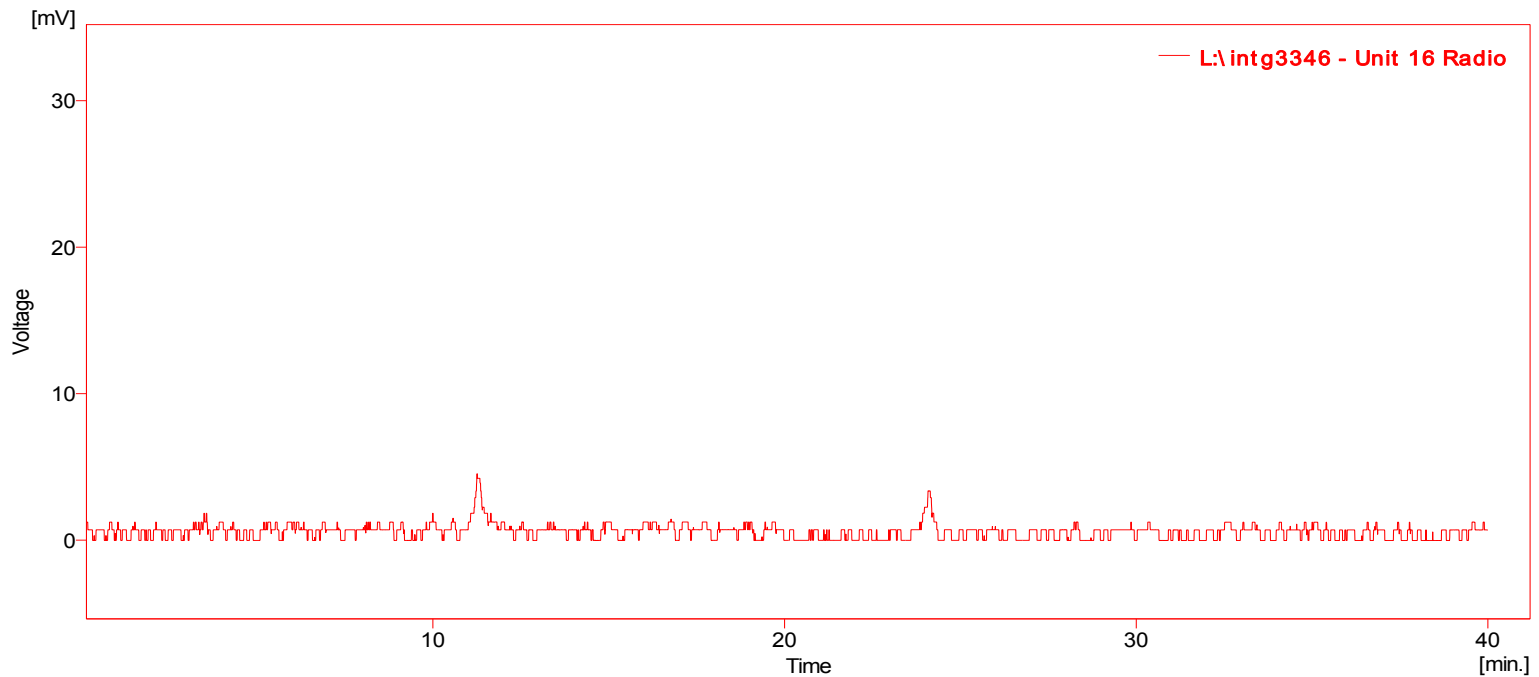
**MC-2361**  
**5-Chloro-3-phenylsulfonylindole-2-carboxamide, [14C]-**  
**Lot 648-090-0541-A-20110107-JH**

## Chromatogram Info:

File Name : L:\intg3346 File Created : 5/22/2014 4:09:08 PM  
 Origin : Acquired, Acquisition started 1/13/2011 12:48:48 PM Acquired Date : 1/13/2011 1:28:47 PM  
 Project : Work1 By : Administrator

Method : Unit16\_40\_min\_run By : Administrator  
 Description : Radiochemical trace of blank injection  
 Created : 8/9/2007 8:59 AM Modified : 5/22/2014 4:31 PM

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



Result Table (Uncal - L:\intg3346 - Unit 16 Radio)

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											



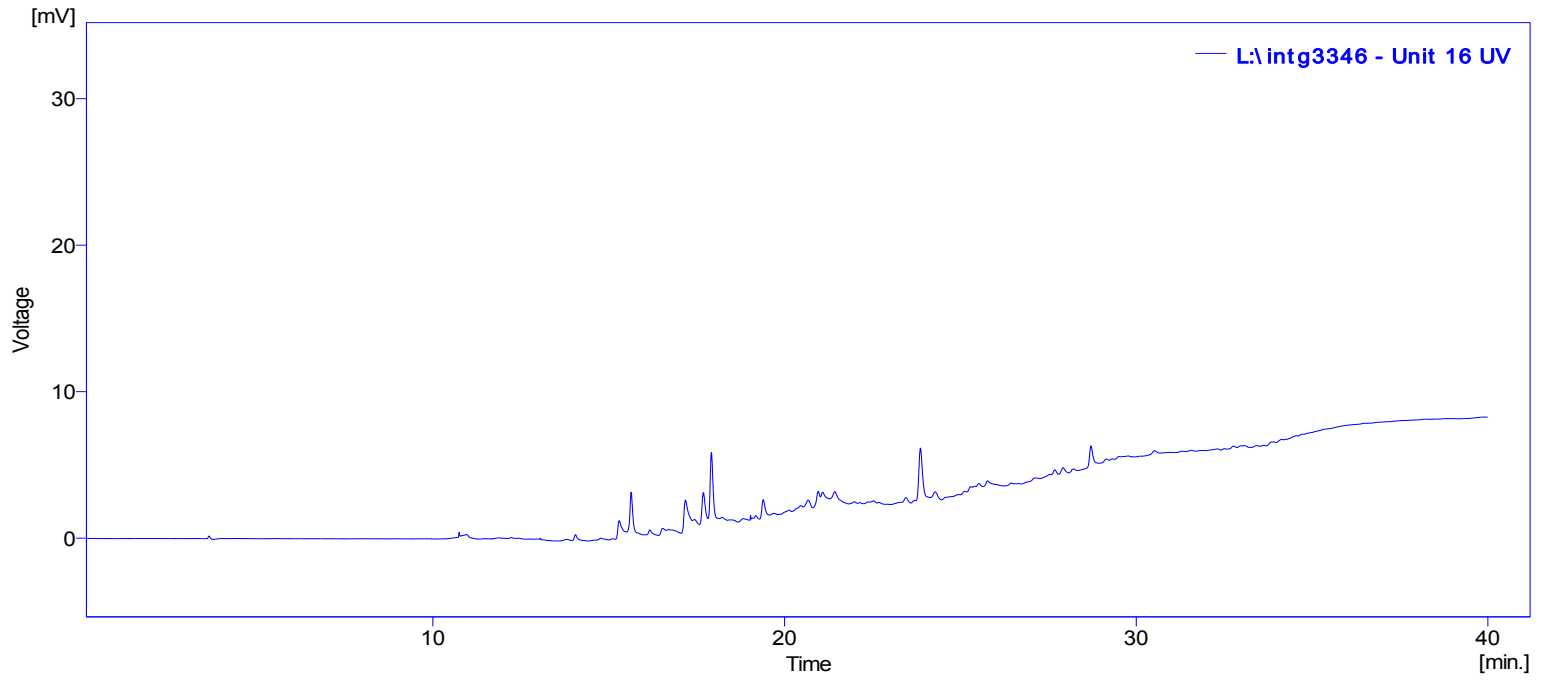
**MC-2361**  
**5-Chloro-3-phenylsulfonylindole-2-carboxamide, [14C]-**  
**Lot 648-090-0541-A-20110107-JH**

## Chromatogram Info:

File Name : L:\intg3346 File Created : 5/22/2014 4:09:08 PM  
Origin : Acquired, Acquisition started 1/13/2011 12:48:48 PM Acquired Date : 1/13/2011 1:28:47 PM  
Project : Work1 By : Administrator

Method : Unit16\_40\_min\_run By : Administrator  
Description : UV trace of blank injection  
Created : 8/9/2007 8:59 AM Modified : 5/22/2014 4:16 PM

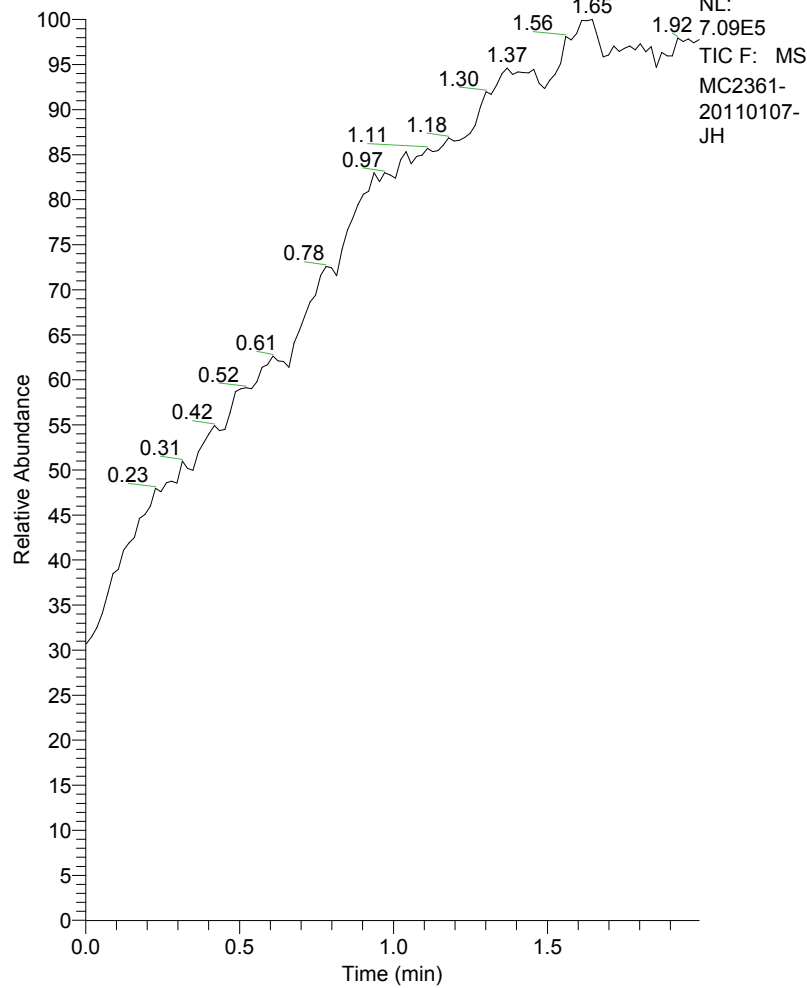
Column : Detection : UV 254nm  
Mobile Phase : Temperature :  
Flow Rate : Pressure :  
Note :



Result Table (Uncal - L:\intg3346 - Unit 16 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: 7.09E5  
TIC F: MS  
MC2361-20110107-JH

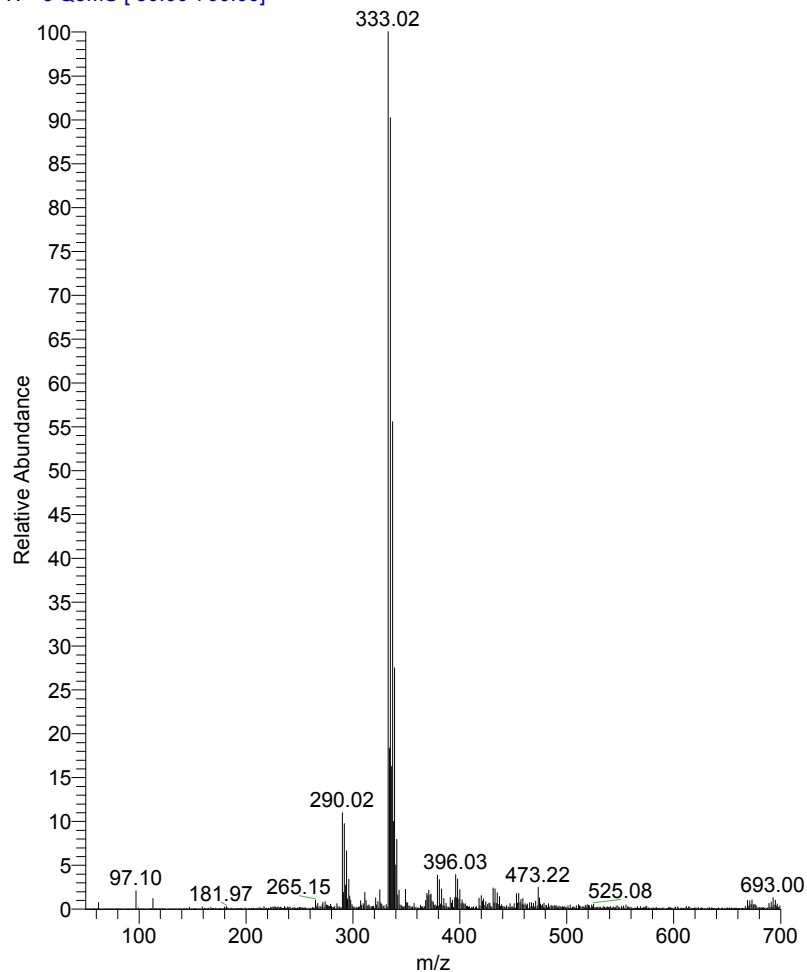
MC2361-20110107-JH#1-116 RT: 0.00-1.99

T: - c Q3MS [ 50.00-700.00]

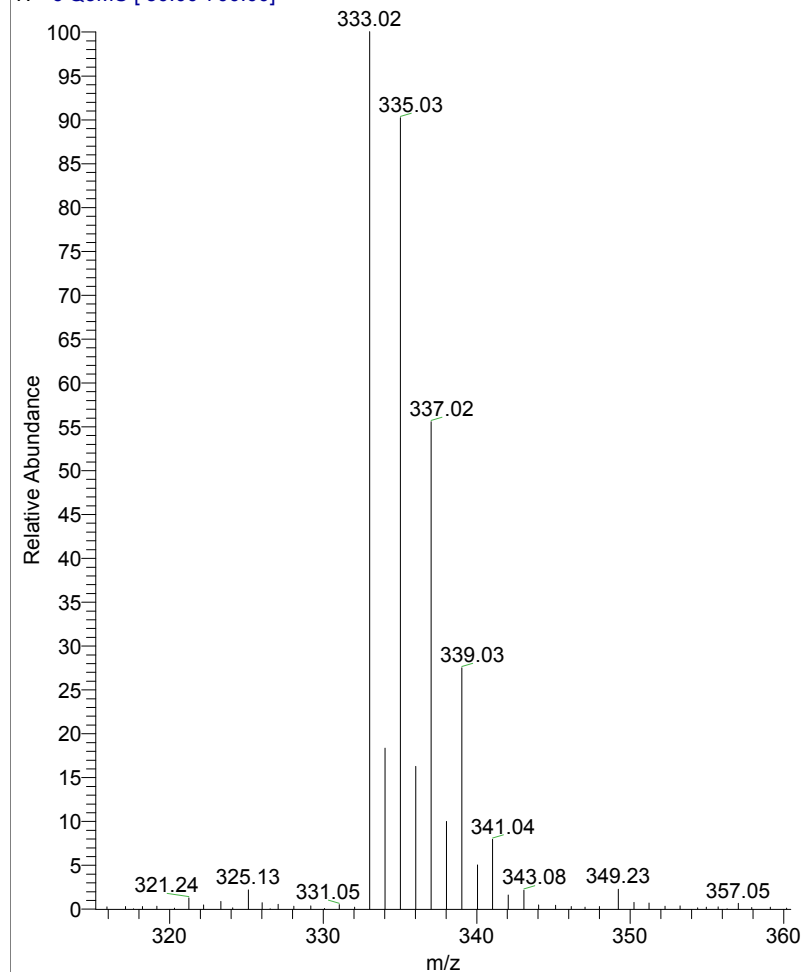
m/z = 331.17-345.36

m/z	Intensity	Relative
332.04	199.1	0.21
333.02	95873.8	100.00
334.03	17570.6	18.33
335.03	86488.6	90.21
336.03	15596.1	16.27
337.02	53260.9	55.55
338.03	9574.9	9.99
339.03	26354.7	27.49
340.05	4805.5	5.01
341.04	7611.9	7.94
342.05	1513.4	1.58
343.08	2063.1	2.15
344.03	420.7	0.44
345.14	390.6	0.41

MC2361-20110107-JH #1-116 RT: 0.00-1.99 AV: 116 NL: 9.59E4  
T: - c Q3MS [ 50.00-700.00]



MC2361-20110107-JH #1-116 RT: 0.00-1.99 AV: 116 NL: 9.59E4  
T: - c Q3MS [ 50.00-700.00]

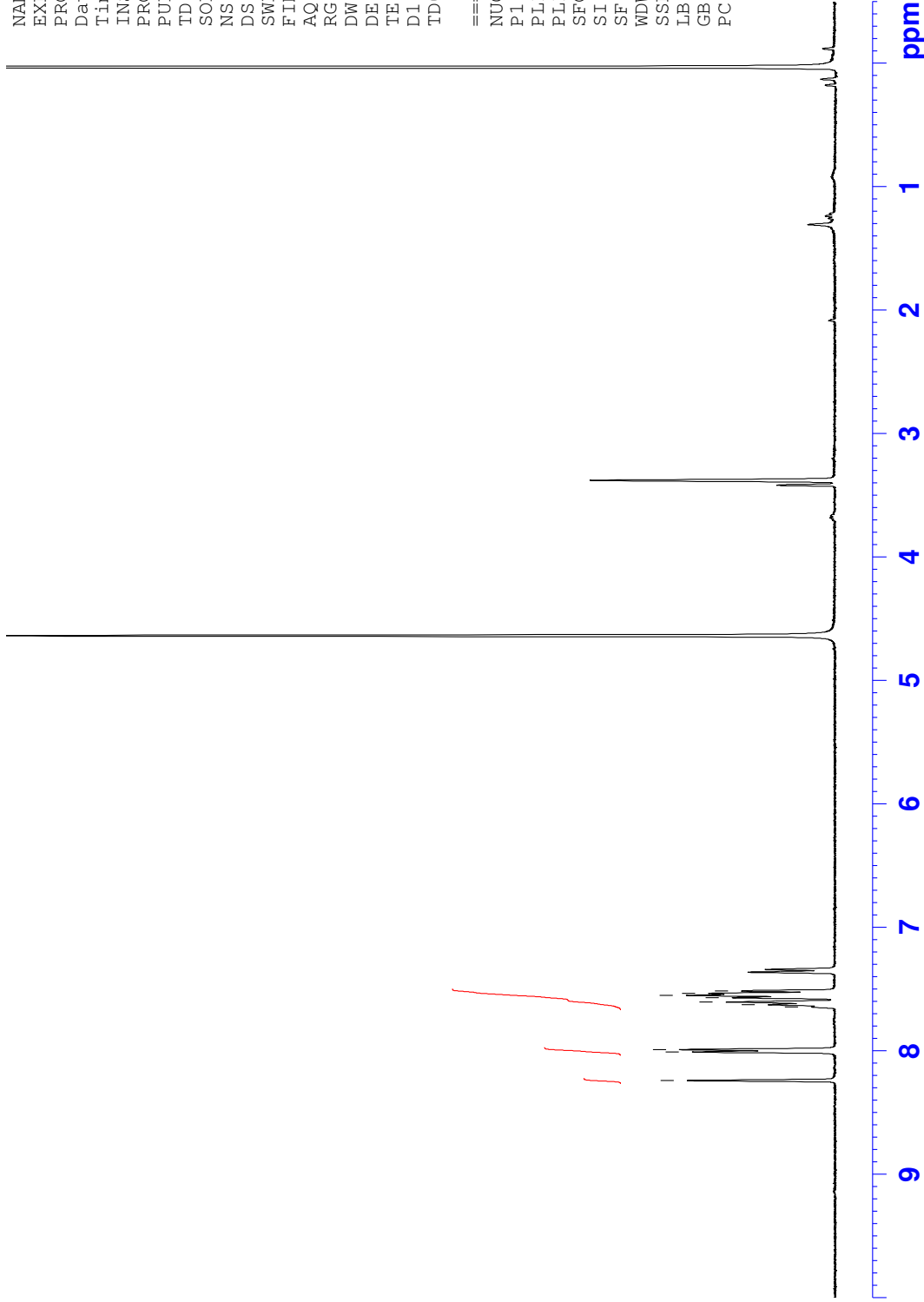


MC2361 1H NMR in MeOD : CDC13 (1 : 1)  
Batch 20110107-JH



8.241  
8.010  
7.991  
7.645  
7.627  
7.605  
7.570  
7.551  
7.535  
7.516

NAME MC2361  
EXPNO 2  
PROCNO 1  
Date\_ 20110114  
Time 12.37  
INSTRUM spect  
PROBHD 5 mm PABBO BB-  
PULPROG zg30  
TD 65536  
SOLVENT MeOD  
NS 414  
DS 2  
SWH 8278.146 Hz  
FIDRES 0.126314 Hz  
AQ 3.9584243 sec  
RG 4  
DW 60.400 usec  
DE 6.50 usec  
TE 297.3 K  
D1 1.00000000 sec  
TD0 1  
===== CHANNEL f1 =====  
NUC1 1H  
P1 14.50 usec  
PL1 -0.70 dB  
PL1W 10.03411102 W  
SF01 400.1324710 MHz  
SI 32768  
SF 400.1299802 MHz  
WDW no  
SSB 0  
LB 0.00 Hz  
GB 0  
PC 1.00



1.09  
2.26  
5.00