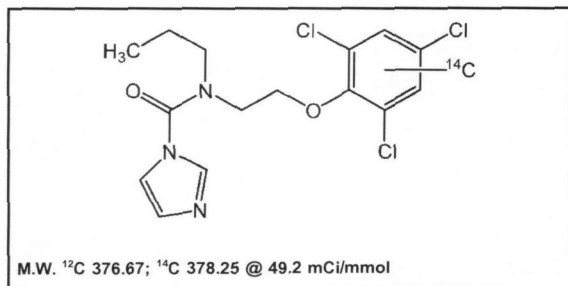




Product Data Sheet

MC-2331

Prochloraz, [phenyl-¹⁴C]-



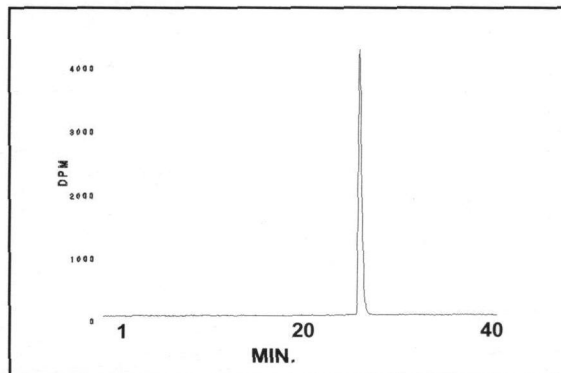
Lot #: 548-120-0492-A-20091031-JH

Specific Activity: 49.2 mCi/mmol

Packaged as: Solid

Date of Analysis: November 03, 2009

Radiochemical Purity: 99.7%



HPLC ANALYSIS LOT 548-120-0492-A-20091031-JH
File Name: int42176 Date and Time: 11/3/2009 11:05:39 A
Unit 4 Radio

Peak #	Area %	Time	Area
1	0.10	25.69330	10.27380
2	99.72	26.16670	10219.49578
3	0.09	27.36000	8.93951
4	0.09	27.71000	8.98181
Totals	100.00		10247.69090

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-2331

Prochloraz, [phenyl-¹⁴C]-

Lot 548-120-0492-A-20091031-JH

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

Concentrations and volumes:

Standard solution concentration was 2.0 mg/mL.

Prochloraz, [phenyl-¹⁴C]- concentration was 100 µCi/mL.

Volume of standard alone injection was 2.5 µL.

Volume of **Prochloraz, [phenyl-¹⁴C]-** alone injection was 1.0 µL.

Co-injection solution consisted of 1.0 µL **Prochloraz, [phenyl-¹⁴C]-** + 2.5 µL standard.

Volume of co-injection was 3.5 µL.

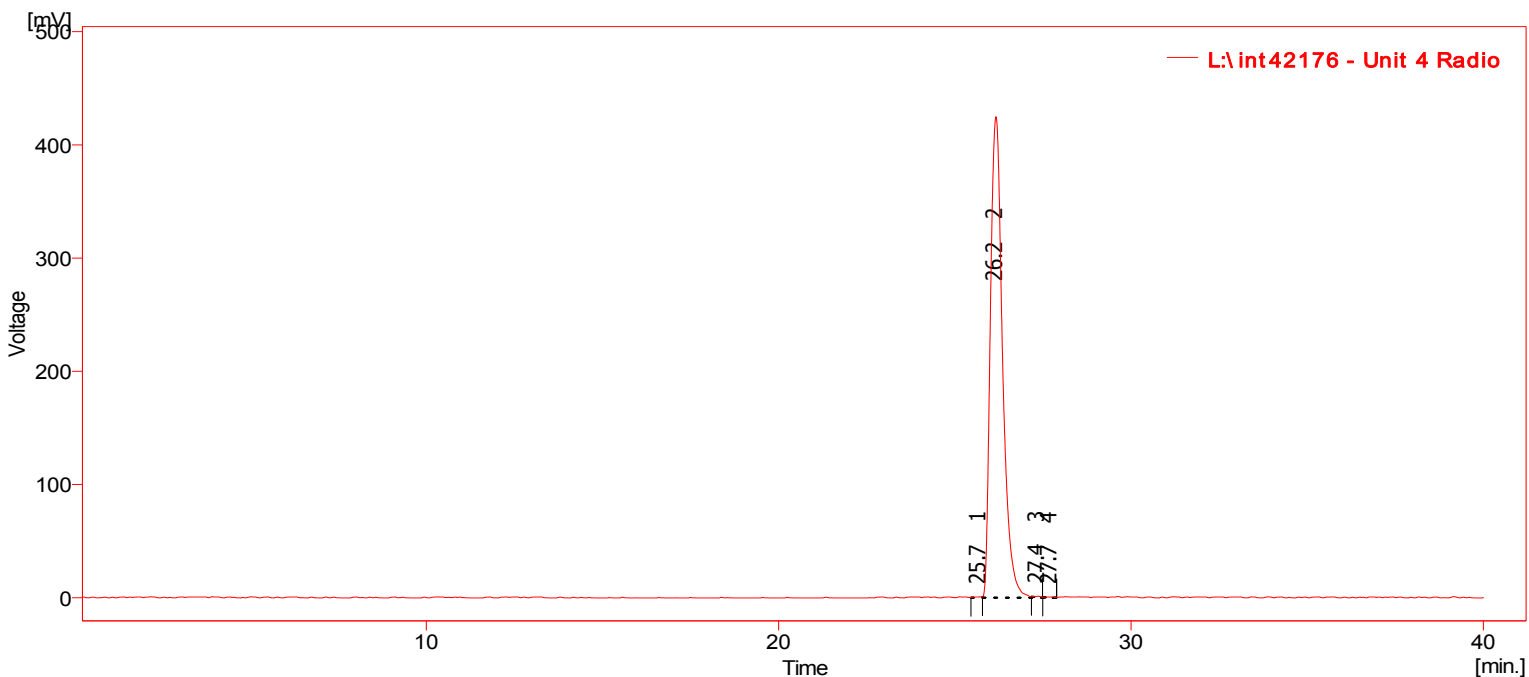
Volume of blank injection was 1.0 µL.

B) Mass spectrometry- Positive mode

MC-2331
Prochloraz, [phenyl-14C]-
Lot 548-120-0492-A-20091031-JH

Chromatogram Info:

File Name	: L:\int42176	File Created	: 5/6/2014 1:52:06 PM
Origin	: Acquired, Acquisition started 11/3/2009 10:25:40 AM	Acquired Date	: 11/3/2009 11:05:39 AM
Project	: Work1	By	: Administrator
Method	: Unit4-40minrun	By	: Administrator
Description	: Radiochemical trace of 14C material alone	Modified	: 5/6/2014 2:14 PM
Created	: 6/12/2008 10:30 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



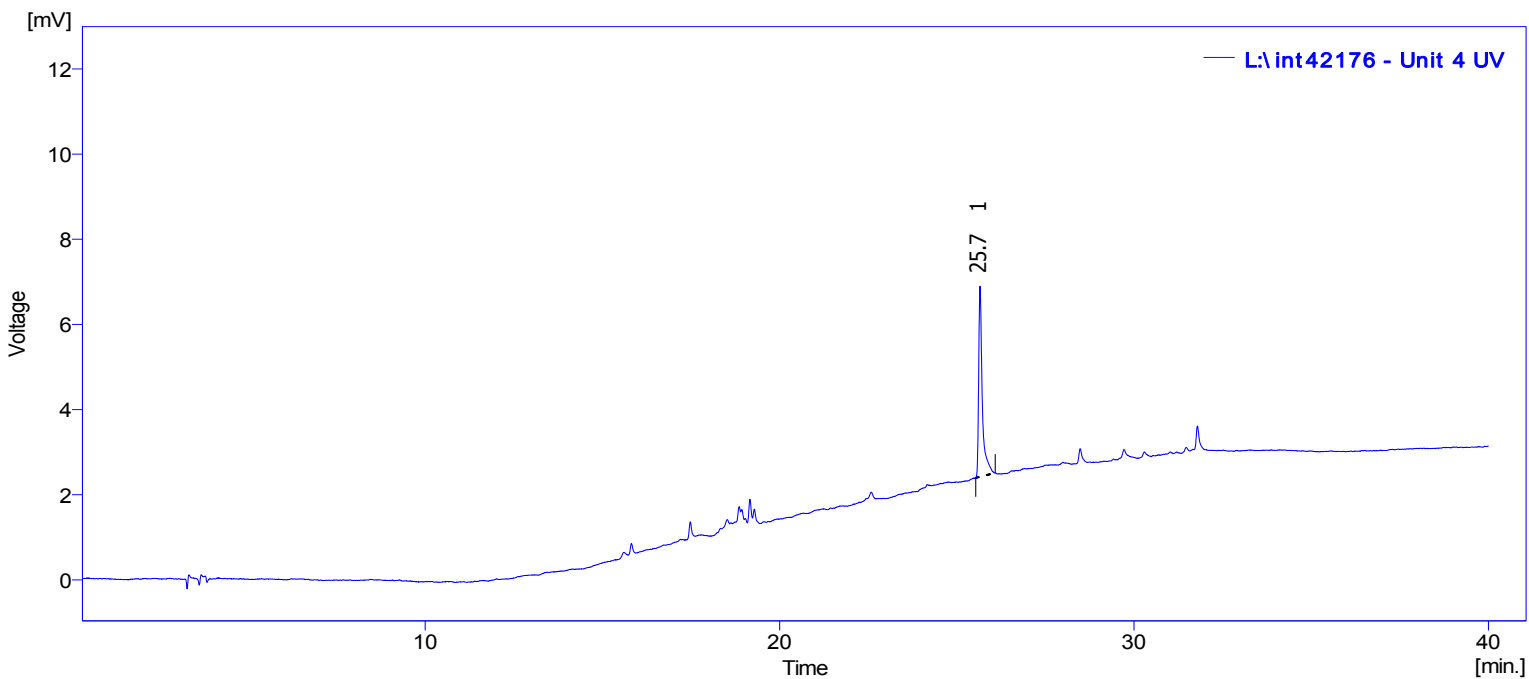
Result Table (Uncal - L:\int42176 - Unit 4 Radio)

	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		25.69	10.274	0.76	0.10	0.2	0.28	46648	932963		0.69	
2		26.17	10219.496	424.88	99.72	99.5	0.36	28734	574680	0.87	2.75	
3		27.36	8.940	0.88	0.09	0.2	0.22	85683	1713668	2.41	0.85	
4		27.71	8.982	0.51	0.09	0.1	0.33	39863	797266	0.76	0.88	
	Total		10247.691	427.03	100.00	100.0						

MC-2331
Prochloraz, [phenyl-14C]-
Lot 548-120-0492-A-20091031-JH

Chromatogram Info:

File Name	: L:\int42176	File Created	: 5/6/2014 1:52:06 PM
Origin	: Acquired, Acquisition started 11/3/2009 10:25:40 AM	Acquired Date	: 11/3/2009 11:05:39 AM
Project	: Work1	By	: Administrator
Method	: Unit4-40minrun	By	: Administrator
Description	: UV trace of 14C material alone		
Created	: 6/12/2008 10:30 AM	Modified	: 5/6/2014 1:57 PM
Column	:	Detection	: UV 255nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



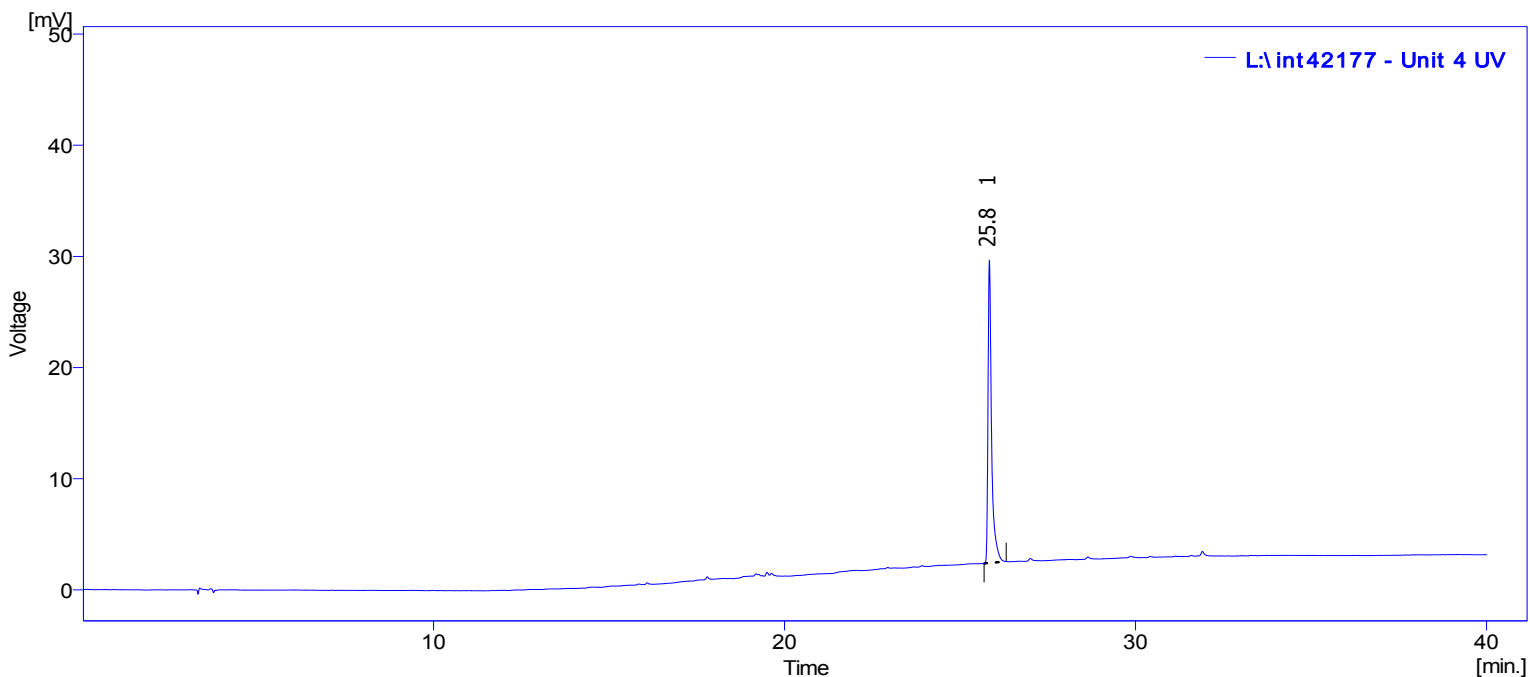
Result Table (Uncal - L:\int42176 - Unit 4 UV)

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	25.66	31.915	4.48	100.00	100.0	0.10	390262	7805249		2.06	
Total		31.915	4.48	100.00	100.0						

MC-2331
Prochloraz, [phenyl-14C]-
Lot 548-120-0492-A-20091031-JH

Chromatogram Info:

File Name	: L:\int42177	File Created	: 5/6/2014 1:52:07 PM
Origin	: Acquired, Acquisition started 11/3/2009 11:30:26 AM	Acquired Date	: 11/3/2009 12:10:25 PM
Project	: Work1	By	: Administrator
Method	: Unit4-40minrun	By	: Administrator
Description	: UV trace of standard material alone		
Created	: 6/12/2008 10:30 AM	Modified	: 5/6/2014 2:16 PM
Column	:	Detection	: UV 255nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



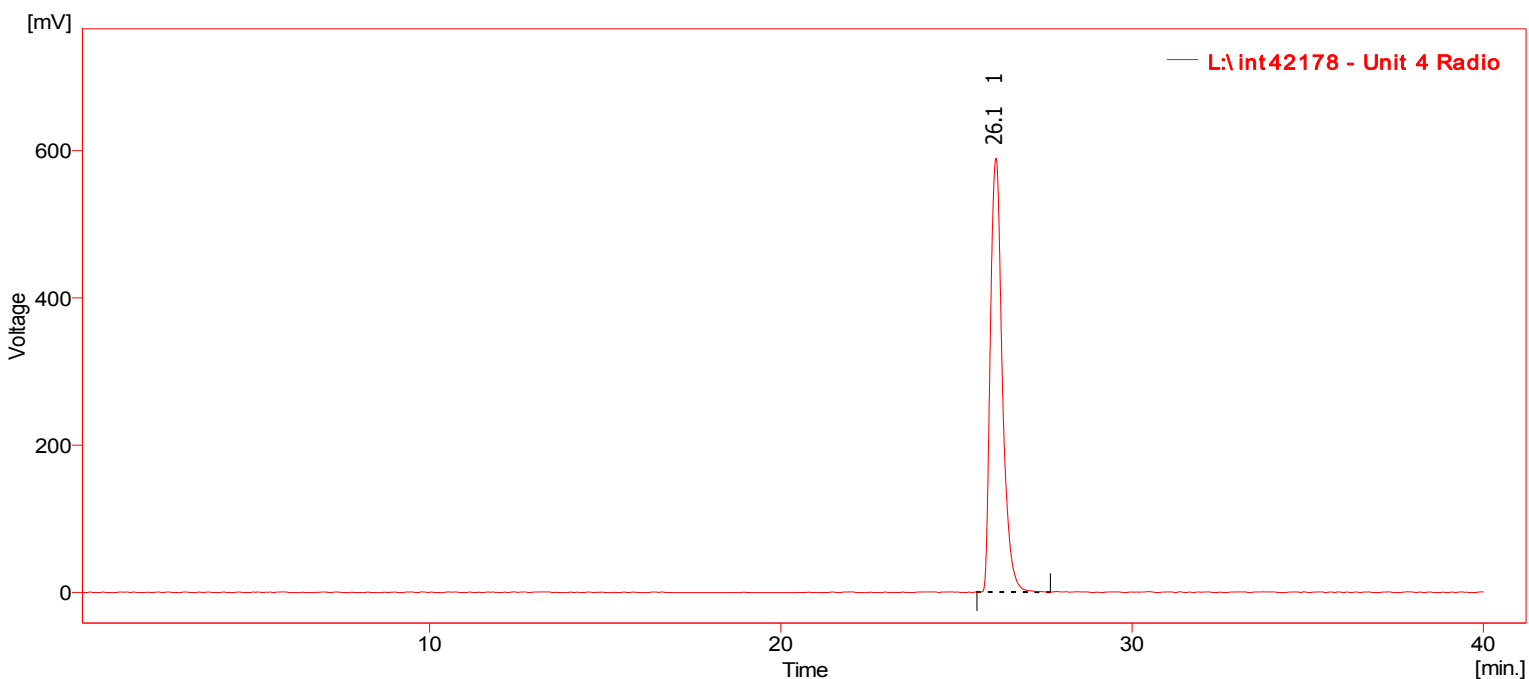
Result Table (Uncal - L:\int42177 - Unit 4 UV)

	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		25.84	192.129	27.25	100.00	100.0	0.10	369813	7396269		1.84	
		Total	192.129	27.25	100.00	100.0						

MC-2331
Prochloraz, [phenyl-14C]-
Lot 548-120-0492-A-20091031-JH

Chromatogram Info:

File Name	: L:\int42178	File Created	: 5/6/2014 1:52:07 PM
Origin	: Acquired, Acquisition started 11/3/2009 12:37:02 PM	Acquired Date	: 11/3/2009 1:17:01 PM
Project	: Work1	By	: Administrator
Method	: Unit4-40minrun	By	: Administrator
Description	: Radiochemical trace of 14C material co-injected with standard		
Created	: 6/12/2008 10:30 AM	Modified	: 5/6/2014 2:21 PM
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



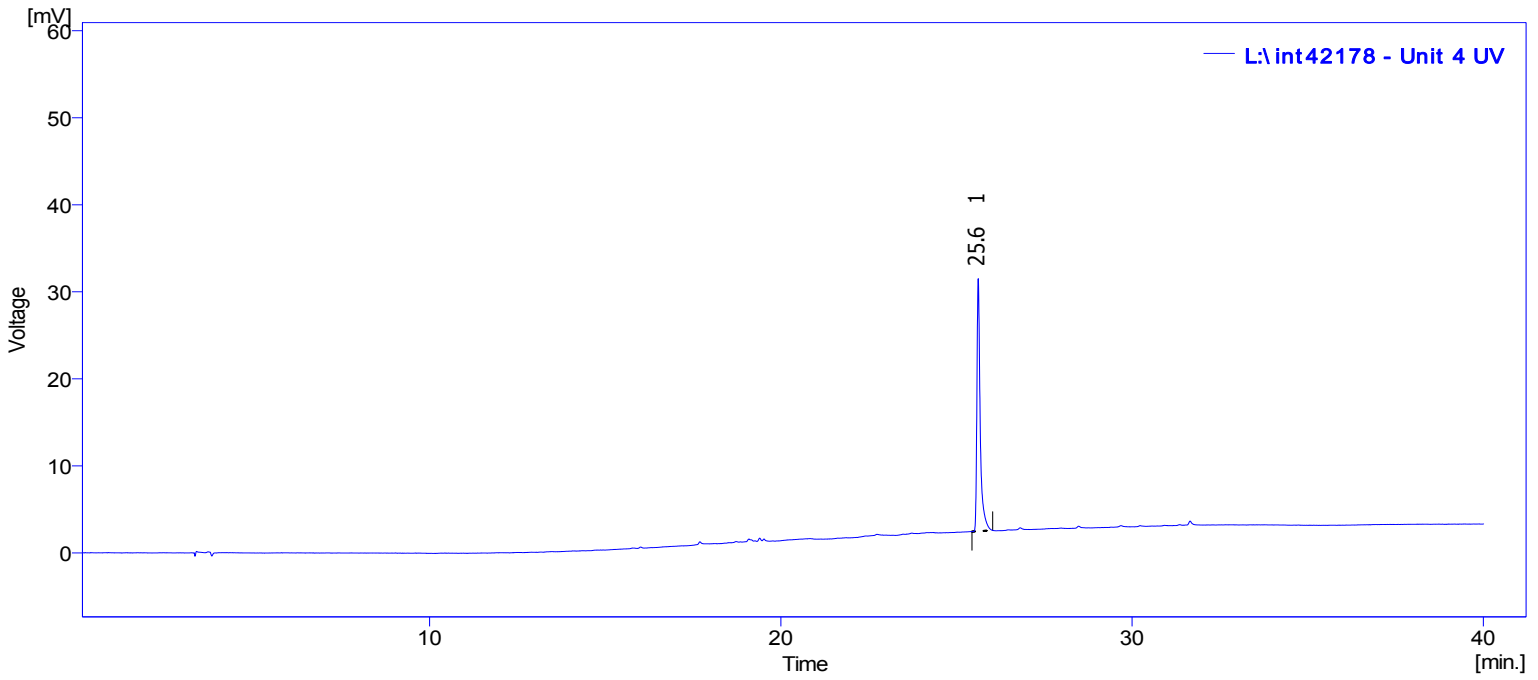
Result Table (Uncal - L:\int42178 - Unit 4 Radio)

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	26.12	13963.358	589.29	100.00	100.0	0.36	29172	583434		1.35	
Total		13963.358	589.29	100.00	100.0						

MC-2331
Prochloraz, [phenyl-14C]-
Lot 548-120-0492-A-20091031-JH

Chromatogram Info:

File Name	: L:\int42178	File Created	: 5/6/2014 1:52:07 PM
Origin	: Acquired, Acquisition started 11/3/2009 12:37:02 PM	Acquired Date	: 11/3/2009 1:17:01 PM
Project	: Work1	By	: Administrator
Method	: Unit4-40minrun	By	: Administrator
Description	: UV trace of 14C material co-injected with standard	Modified	: 5/6/2014 2:20 PM
Created	: 6/12/2008 10:30 AM		
Column	:	Detection	: UV 255nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



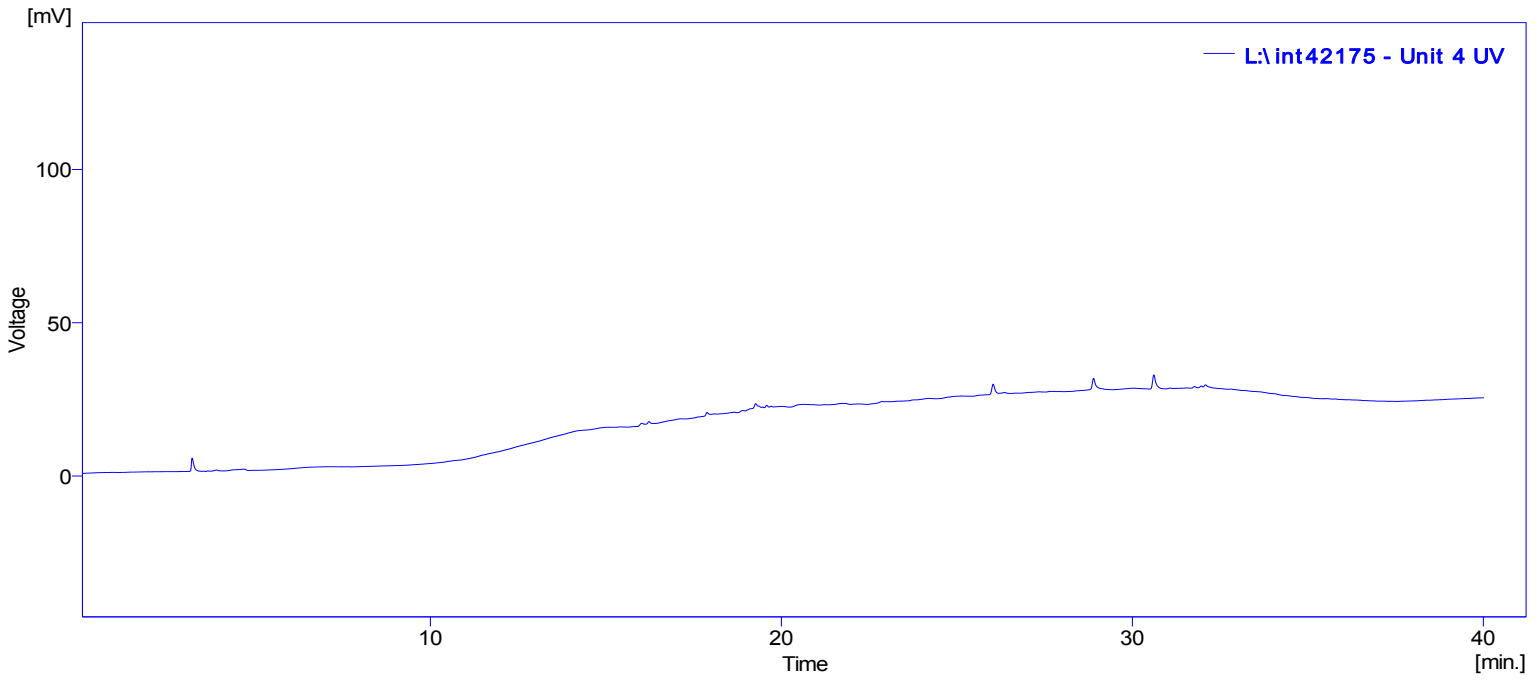
Result Table (Uncal - L:\int42178 - Unit 4 UV)

	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		25.62	190.966	29.02	100.00	100.0	0.09	417440	8348808		1.72	
		Total	190.966	29.02	100.00	100.0						

MC-2331
Prochloraz, [phenyl-14C]-
Lot 548-120-0492-A-20091031-JH

Chromatogram Info:

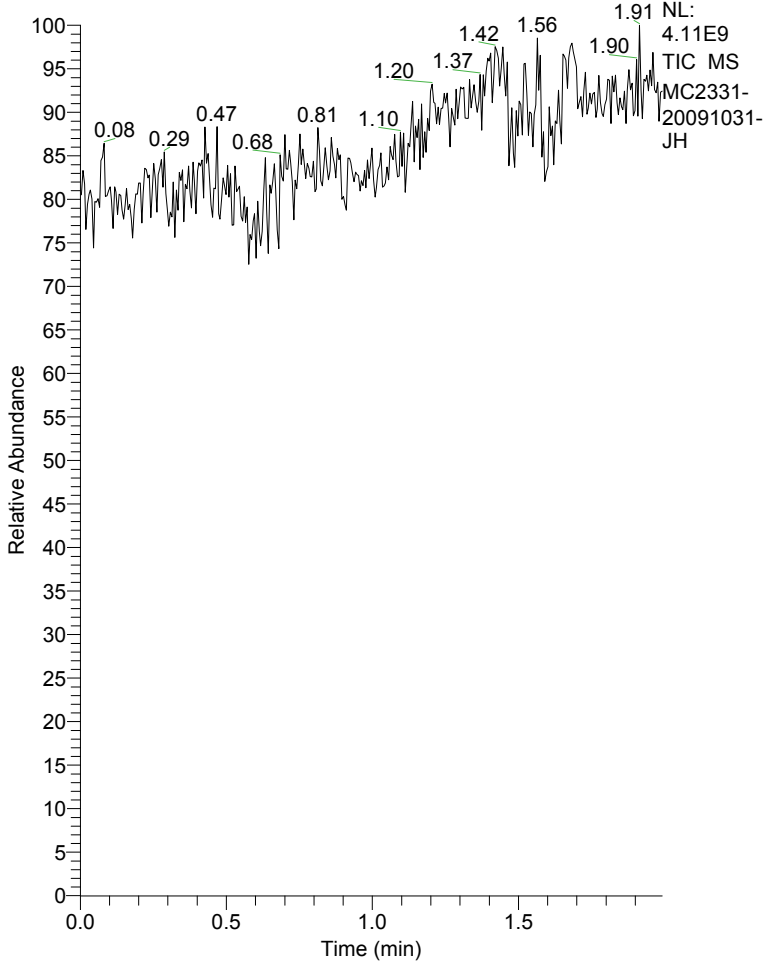
File Name	: L:\int42175	File Created	: 5/6/2014 1:52:06 PM
Origin	: Acquired, Acquisition started 11/3/2009 9:04:33 AM	Acquired Date	: 11/3/2009 9:44:32 AM
Project	: Work1	By	: Administrator
Method	: Unit4-40minrun	By	: Administrator
Description	: UV trace of blank injection		
Created	: 6/12/2008 10:30 AM	Modified	: 5/6/2014 2:03 PM
Column	:	Detection	: UV 255nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\int42175 - Unit 4 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



MC2331-20091031-JH #1-387 RT: 0.00-1.99

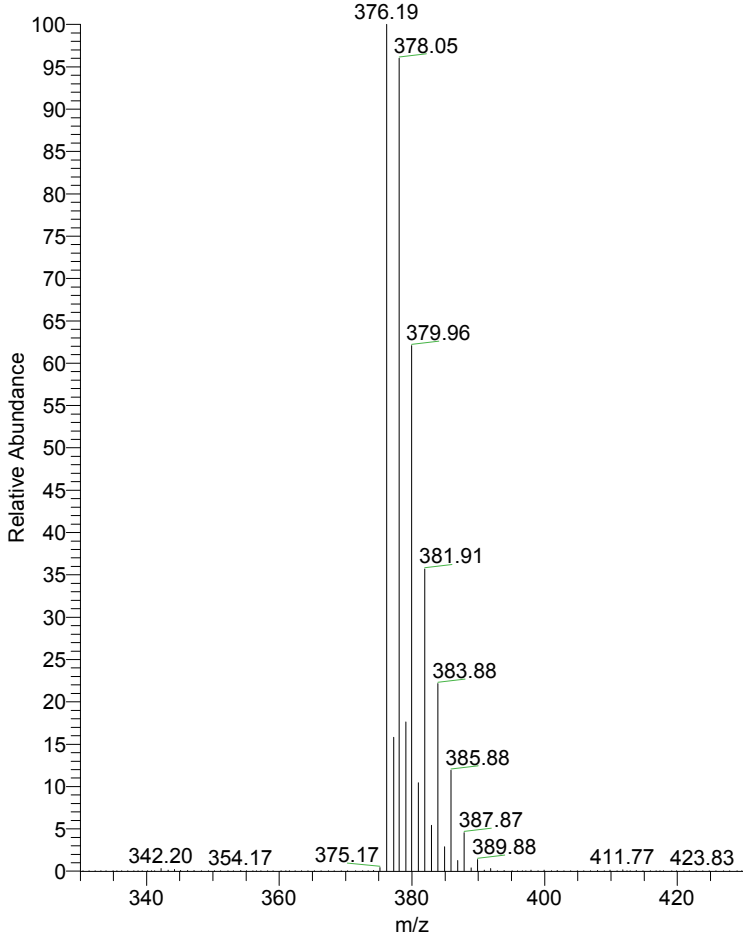
T: + c NSI Full ms [330.00-430.00]

m/z = 373.08-393.64

m/z	Intensity	Relative
373.40	34004.9	0.00
374.21	366536.5	0.04
375.17	3698870.7	0.41
376.19	904394362.4	100.00
377.26	142559886.9	15.76
378.05	867964303.2	95.97
379.08	159070285.2	17.59
379.96	561212343.6	62.05
380.98	94335484.9	10.43
381.91	322412179.3	35.65
382.95	48670387.2	5.38
383.88	199968960.5	22.11
384.92	25675111.8	2.84
385.88	107487364.5	11.89
386.92	11039269.7	1.22
387.87	40942442.5	4.53
388.93	3193660.2	0.35
389.88	11996553.5	1.33
390.88	809480.7	0.09
391.86	2466189.7	0.27
392.88	292091.6	0.03

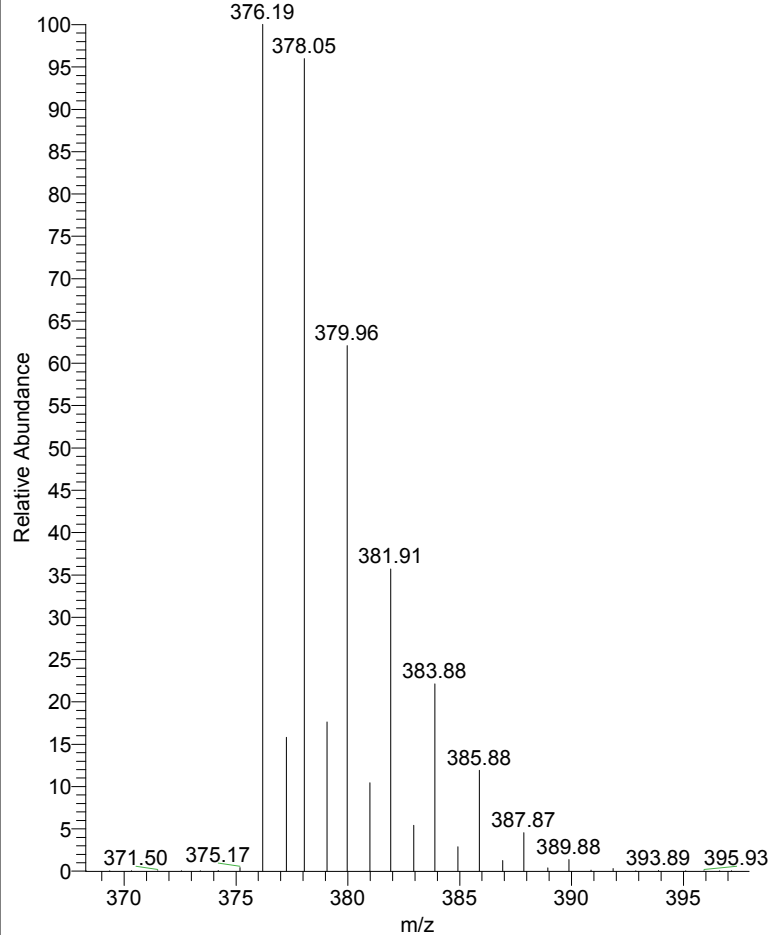
MC2331-20091031-JH #1-387 RT: 0.00-1.99 AV: 387 NL: 9.04E8

T: + c NSI Full ms [330.00-430.00]

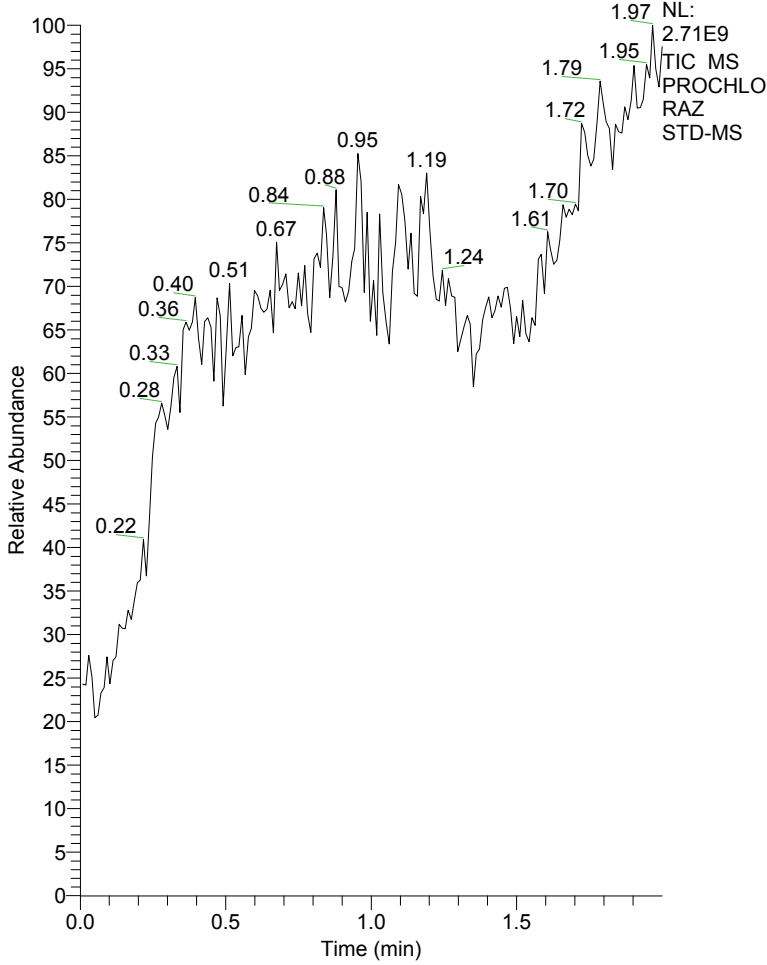


MC2331-20091031-JH #1-387 RT: 0.00-1.99 AV: 387 NL: 9.04E8

T: + c NSI Full ms [330.00-430.00]



RT: 0.00 - 2.00



PROCHLORAZ STD-MS#1-188 RT: 0.01-2.00 AV:

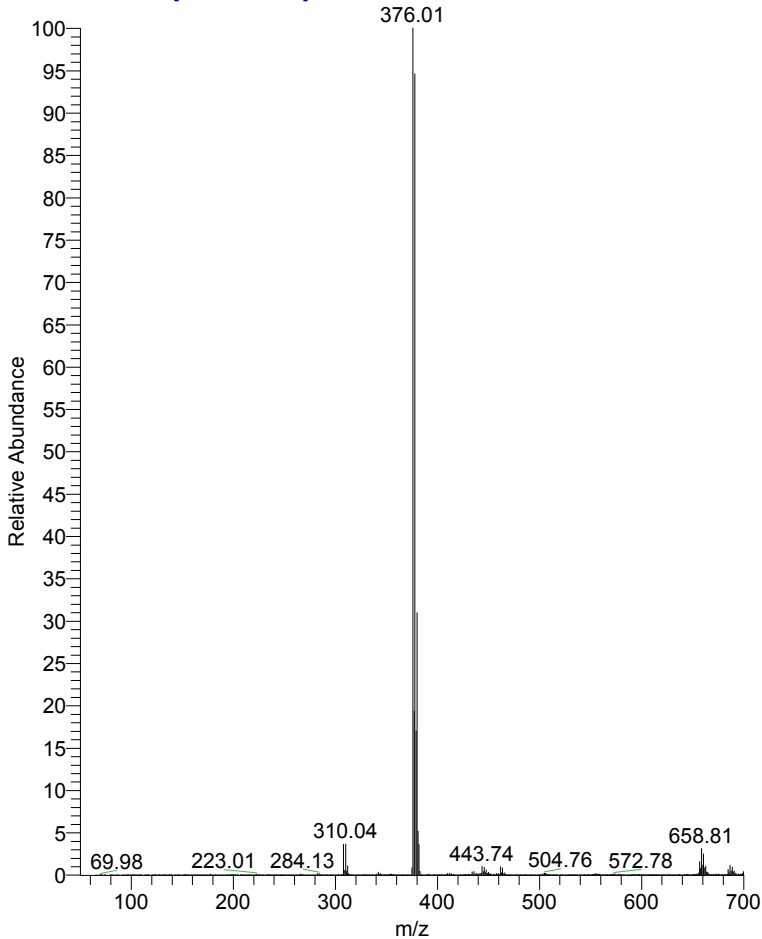
T: + c NSI Full ms [50.00-700.00]

m/z= 371.10-391.11

m/z	Intensity	Relative
371.90	157039.7	0.03
372.96	183130.1	0.03
374.10	267890.1	0.05
375.12	4827981.0	0.86
376.01	559989026.4	100.00
377.05	108199037.1	19.32
377.96	529748582.1	94.60
378.97	95185339.4	17.00
379.92	173444619.1	30.97
380.93	28971930.8	5.17
381.92	19922333.0	3.56
382.94	2466240.2	0.44
384.01	505245.0	0.09
385.03	163562.0	0.03
386.05	190558.3	0.03
387.04	32099.1	0.01
388.06	81852.8	0.01
389.21	160155.7	0.03
389.98	300818.5	0.05
390.92	127491.5	0.02

PROCHLORAZ STD-MS #1-188 RT: 0.01-2.00 AV: 188 NL: 5.60E8

T: + c NSI Full ms [50.00-700.00]



PROCHLORAZ STD-MS #1-188 RT: 0.01-2.00 AV: 188 NL: 5.60E8

T: + c NSI Full ms [50.00-700.00]

