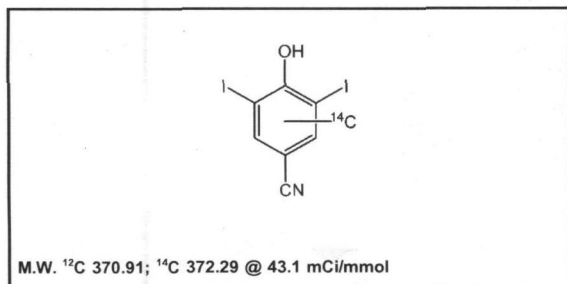




Product Data Sheet

MC-2347

loxynil, [ring-¹⁴C(U)]-



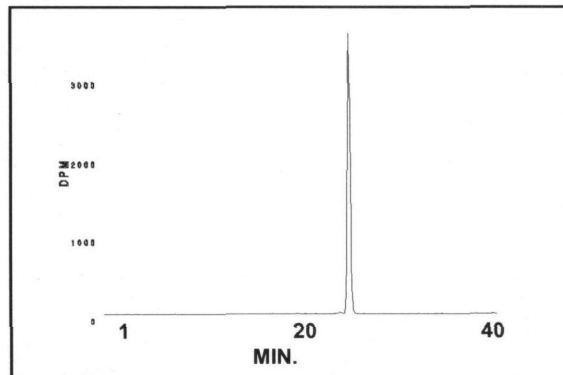
Lot #: 159-103-0431-A-20100402-DC

Specific Activity: 43.1 mCi/mmol

Packaged as: Solid

Date of Analysis: April 16, 2010

Radiochemical Purity: 99.6%



HPLC ANALYSIS LOT 159-103-0431-A-20100402-DC
File Name: intj1569 Date and Time: 4/16/2010 12:22:01 P
Unit 19 Radio

Peak #	Area %	Time	Area
1	0.35	24.07670	26.03172
2	99.65	24.99330	7375.02234
Totals	100.00		7401.05406

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-2347

loxynil, [ring-¹⁴C(U)]-

Lot 159-103-0431-A-20100402-DC

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.

loxynil, [ring-¹⁴C(U)]- concentration was 86.0 µCi/ml.

Volume of standard alone injection was 2.0 µl.

Volume of **loxynil, [ring-¹⁴C(U)]-** alone injection was 1.0 µl.

Co-injection solution consisted of 1.0 µl **loxynil, [ring-¹⁴C(U)]-** + 2.0 µl standard.

Volume of co-injection was 3.0 µl.

Volume of blank injection was 2.0 µl.

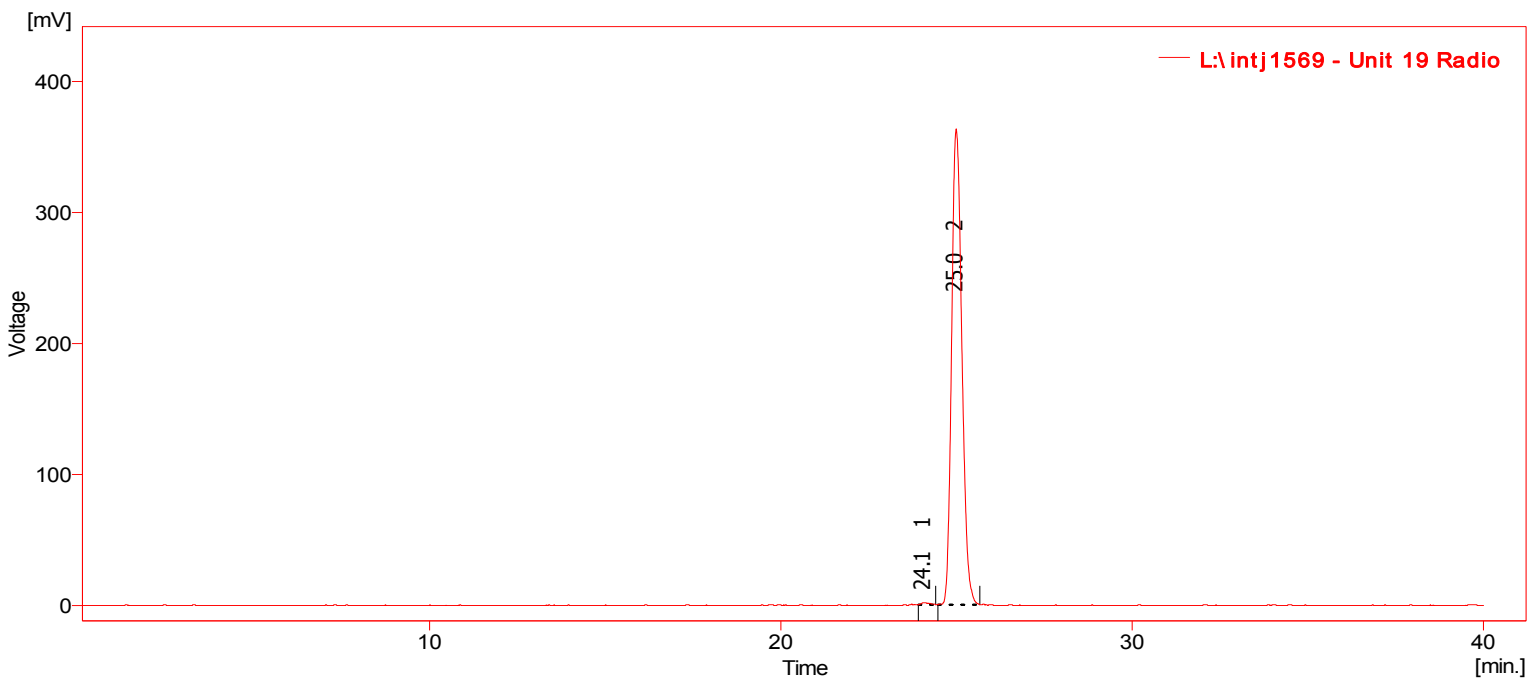
B) Mass spectrometry - Negative mode

C) NMR

MC-2347
loxynil, [ring-14C(U)]-
Lot 159-103-0431-A-20100402-DC

Chromatogram Info:

File Name	: L:\intj1569	File Created	: 5/19/2014 8:52:01 AM
Origin	: Acquired, Acquisition started 4/16/2010 11:42:02 AM	Acquired Date	: 4/16/2010 12:22:01 PM
Project	: Work1	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material alone	Modified	: 5/19/2014 9:22 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



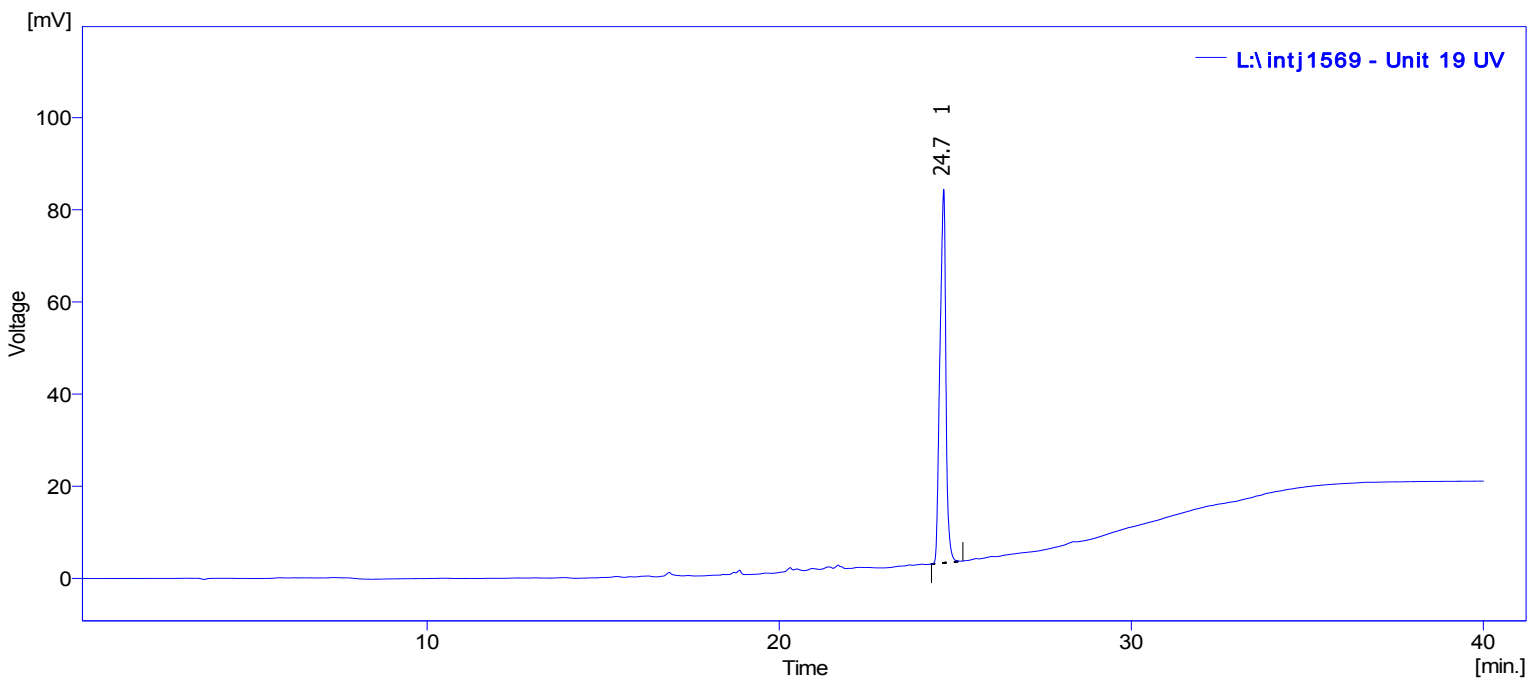
Result Table (Uncal - L:\intj1569 - Unit 19 Radio)

	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		24.08	26.032	1.49	0.35	0.4	0.29	47899	957987		1.64	
2		24.99	7375.022	363.24	99.65	99.6	0.32	32707	654143	1.77	1.18	
	Total		7401.054	364.73	100.00	100.0						

MC-2347
Ioxynil, [ring-14C(U)]-
Lot 159-103-0431-A-20100402-DC

Chromatogram Info:

File Name	: L:\intj1569	File Created	: 5/19/2014 8:52:01 AM
Origin	: Acquired, Acquisition started 4/16/2010 11:42:02 AM	Acquired Date	: 4/16/2010 12:22:01 PM
Project	: Work1	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of 14C material alone	Modified	: 5/19/2014 9:08 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 254nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intj1569 - 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		24.67	950.097	81.09	100.00	100.0	0.19	86623	1732458		0.94	
		Total	950.097	81.09	100.00	100.0						

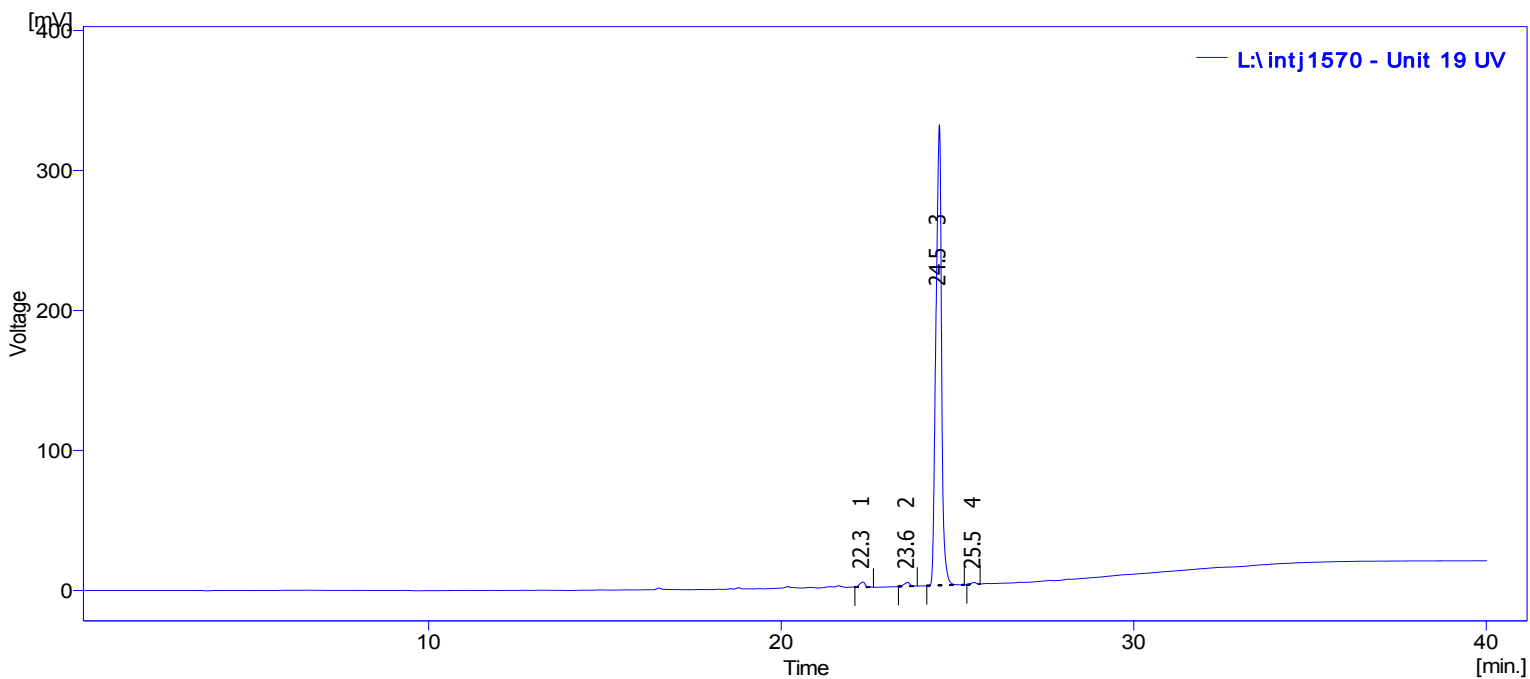
MC-2347
Ioxynil, [ring-14C(U)]-
Lot 159-103-0431-A-20100402-DC

Chromatogram Info:

File Name : L:\intj1570 File Created : 5/19/2014 8:52:00 AM
 Origin : Acquired, Acquisition started 4/16/2010 12:57:41 PM Acquired Date : 4/16/2010 1:37:40 PM
 Project : Work1 By : Administrator

Method : Unit19_40_min_run By : Administrator
 Description : UV trace of standard material alone
 Created : 8/9/2007 1:12 PM Modified : 5/19/2014 9:19 AM

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



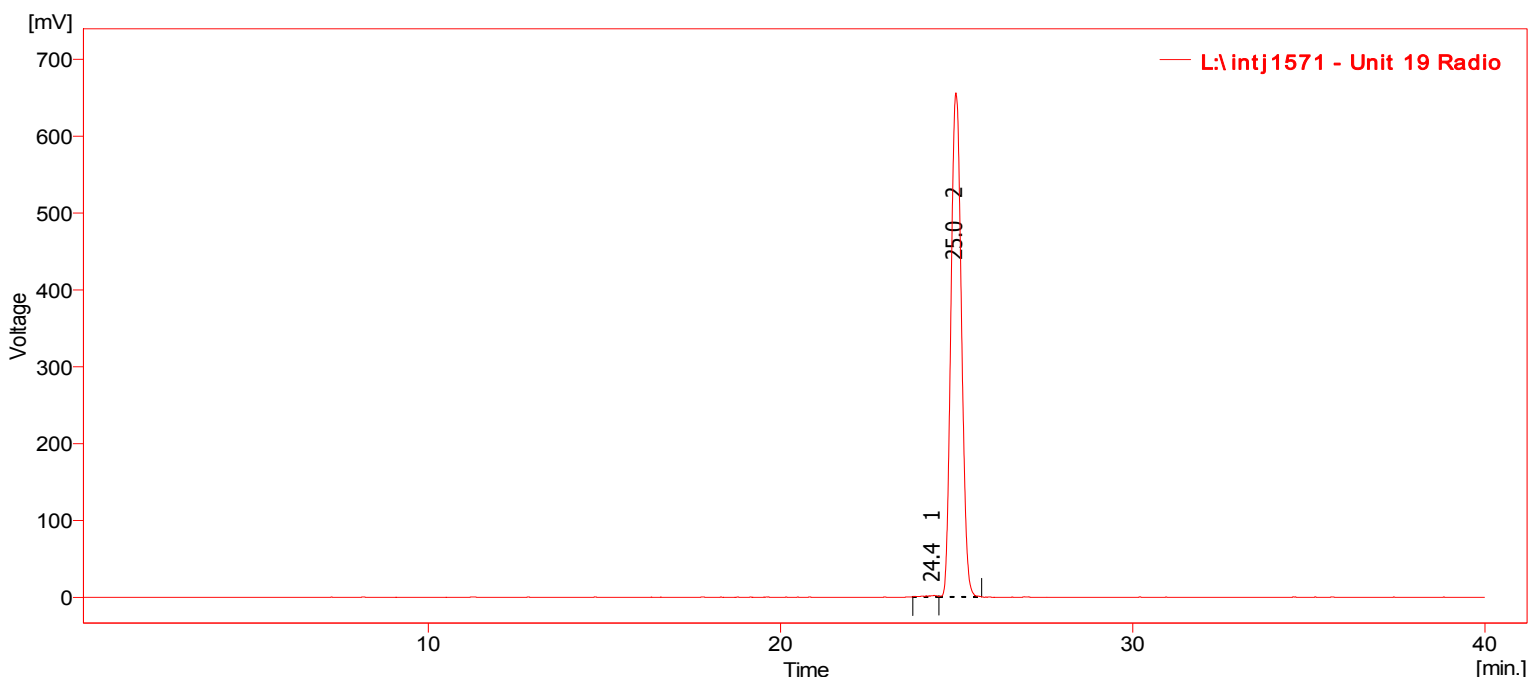
Result Table (Uncal - L:\intj1570 - Unit 19 UV)

	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		22.32	38.201	3.63	1.03	1.1	0.17	91328	1826553		0.97	
2		23.59	31.842	2.81	0.86	0.8	0.18	89760	1795198	4.32	0.88	
3		24.49	3635.438	329.06	97.77	97.7	0.18	91132	1822640	2.98	0.96	
4		25.48	13.062	1.29	0.35	0.4	0.16	159112	3182248	3.44	0.85	
	Total		3718.544	336.79	100.00	100.0						

MC-2347
loxynil, [ring-14C(U)]-
Lot 159-103-0431-A-20100402-DC

Chromatogram Info:

File Name	: L:\intj1571	File Created	: 5/19/2014 8:52:00 AM
Origin	: Acquired, Acquisition started 4/16/2010 1:54:25 PM	Acquired Date	: 4/16/2010 2:34:24 PM
Project	: Work1	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material co-injected with standard		
Created	: 8/9/2007 1:12 PM	Modified	: 5/19/2014 9:21 AM
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



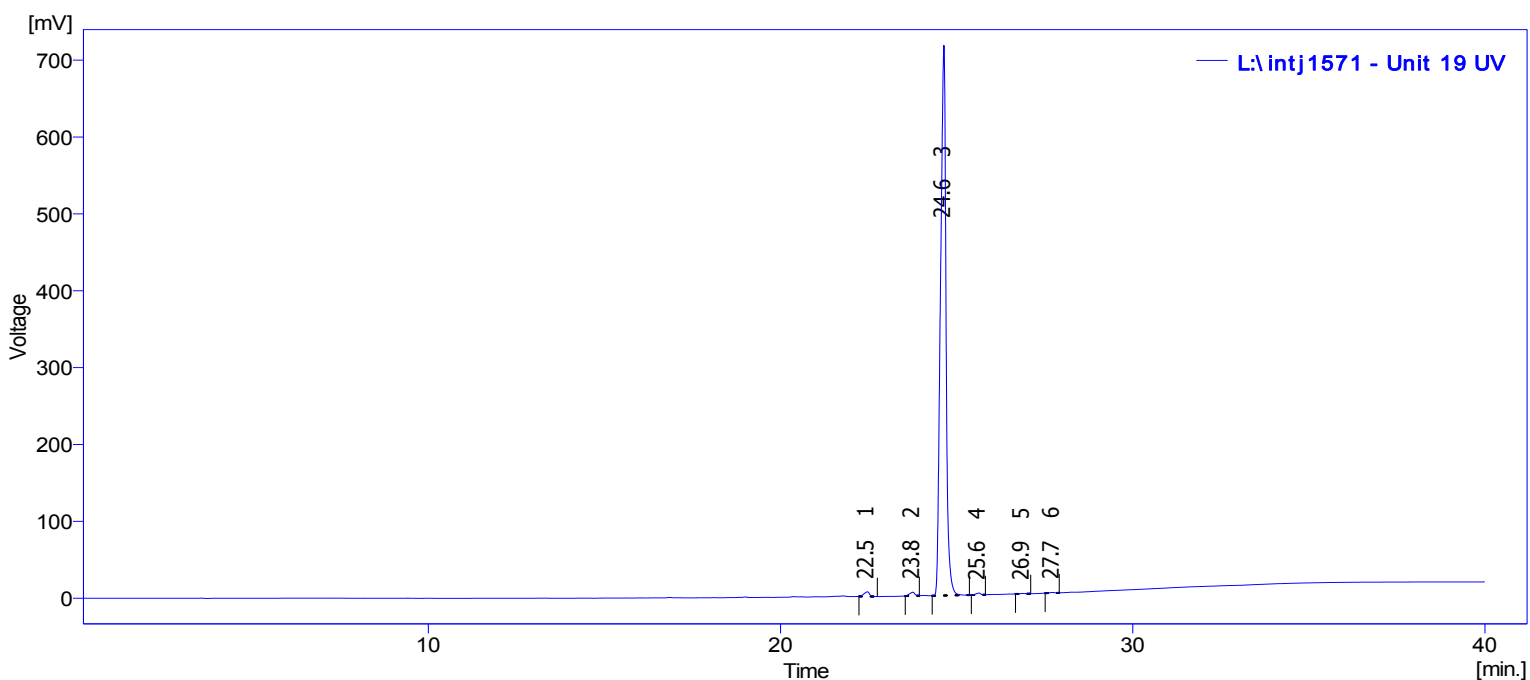
Result Table (Uncal - L:\intj1571 - Unit 19 Radio)

	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		24.35	43.980	2.03	0.32	0.3	0.23	16117	322333		0.62	
2		24.98	13596.064	655.88	99.68	99.7	0.33	33883	677654	1.31	1.11	
	Total		13640.043	657.91	100.00	100.0						

MC-2347
loxynil, [ring-14C(U)]-
Lot 159-103-0431-A-20100402-DC

Chromatogram Info:

File Name	: L:\intj1571	File Created	: 5/19/2014 8:52:00 AM
Origin	: Acquired, Acquisition started 4/16/2010 1:54:25 PM	Acquired Date	: 4/16/2010 2:34:24 PM
Project	: Work1	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of 14C material co-injected with standard	Modified	: 5/19/2014 9:25 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 254nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



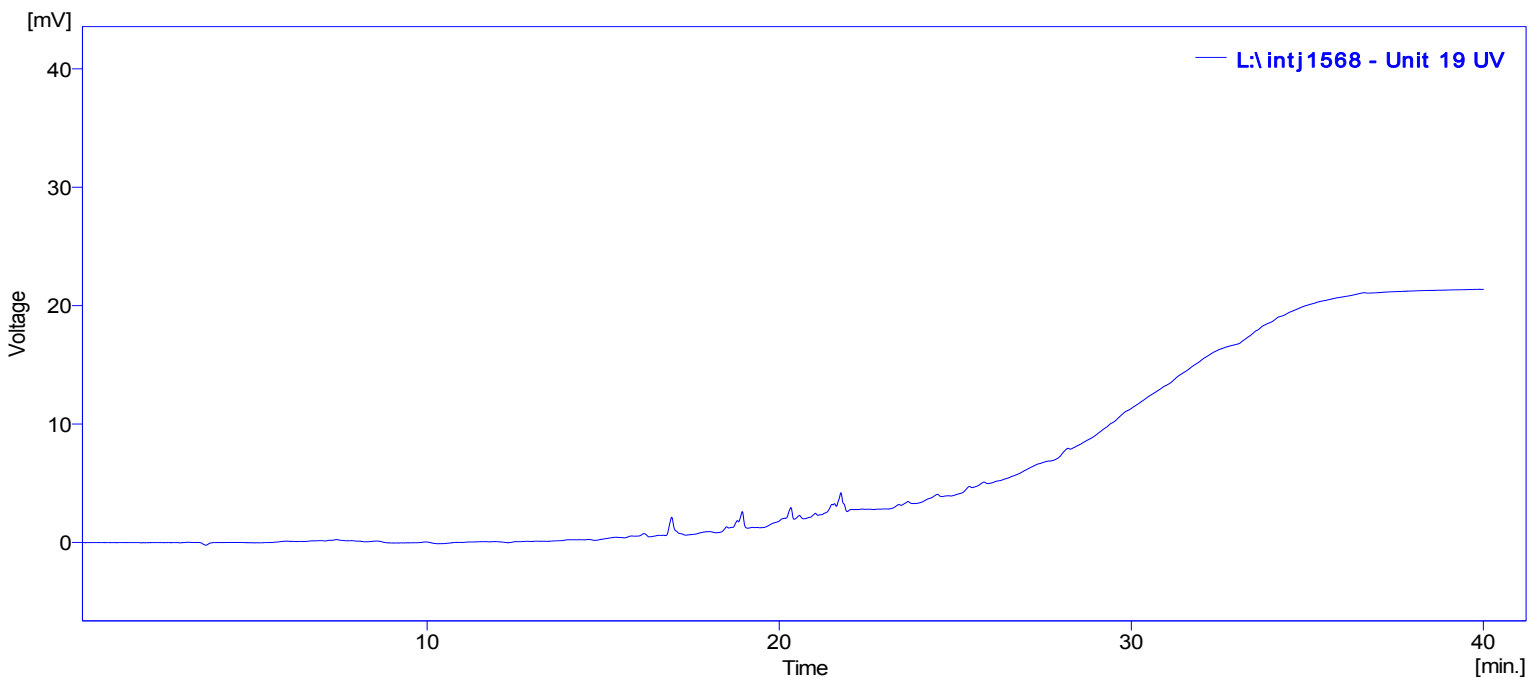
Result Table (Uncal - L:\intj1571 - Unit 19 UV)

	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		22.47	65.791	6.14	0.83	0.8	0.18	96418	1928358		0.89	
2		23.76	47.989	4.70	0.60	0.6	0.16	126729	2534589	4.48	0.82	
3		24.64	7795.919	715.75	98.13	98.0	0.18	93922	1878441	3.05	0.94	
4		25.63	22.588	2.37	0.28	0.3	0.15	163968	3279359	3.58	0.84	
5		26.88	5.843	0.57	0.07	0.1	0.15	125786	2515716	4.90	1.03	
6		27.73	6.681	0.70	0.08	0.1	0.14	184707	3694140	3.46	0.88	
		Total	7944.811	730.23	100.00	100.0						

MC-2347
loxynil, [ring-14C(U)]-
Lot 159-103-0431-A-20100402-DC

Chromatogram Info:

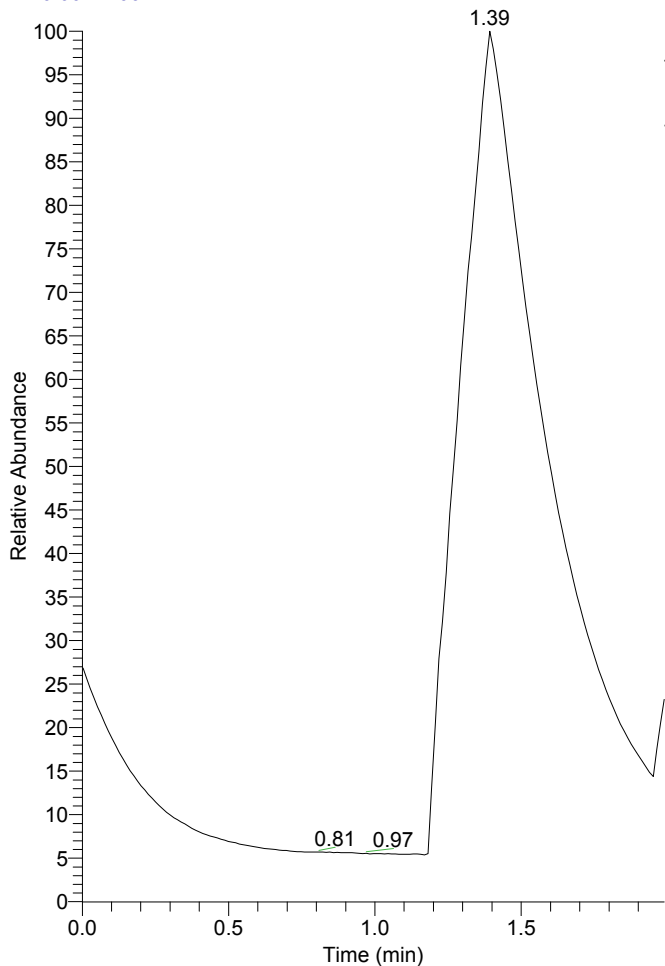
File Name	: L:\intj1568	File Created	: 5/19/2014 8:52:01 AM
Origin	: Acquired, Acquisition started 4/16/2010 10:41:29 AM	Acquired Date	: 4/16/2010 11:21:28 AM
Project	: Work1	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of blank injection	Modified	: 5/19/2014 9:07 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 254nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intj1568 - 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 - 1.99



NL:
1.05E8
TIC F: MS
MC2347-
-20100402-
DC

MC2347-20100402-DC#1-161 RT: 0.00-1.99

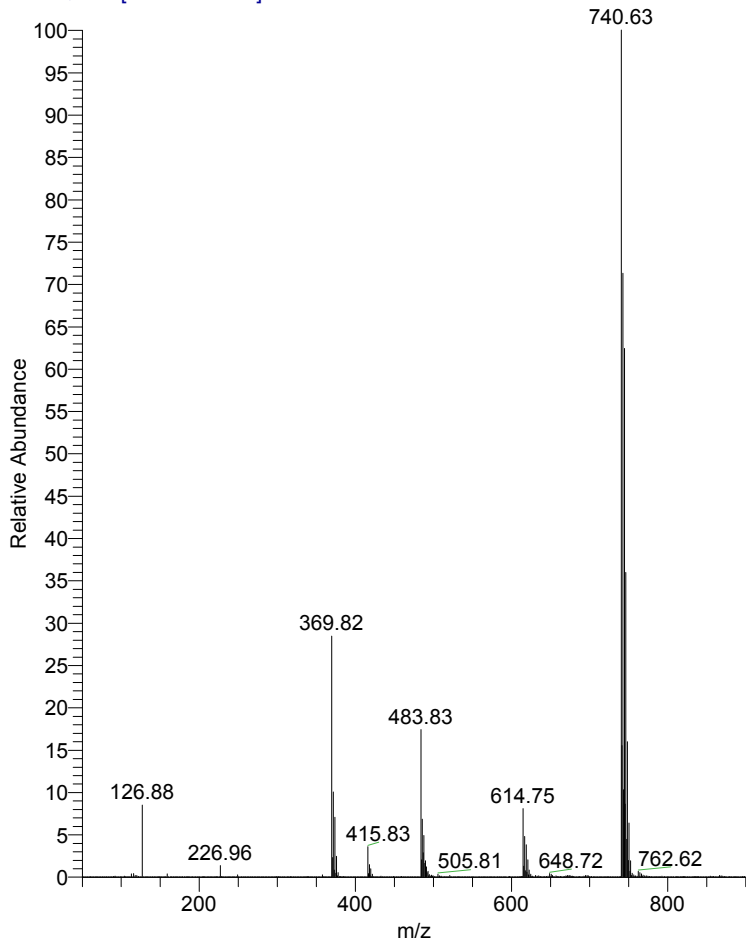
T: - c Q3MS [50.00-900.00]

m/z= 364.30-389.03

m/z	Intensity	Relative
365.96	171.3	0.01
369.18	284.3	0.02
369.82	1491764.2	100.00
370.84	120763.4	8.10
371.82	525893.7	35.25
372.87	42927.1	2.88
373.82	369032.1	24.74
374.84	22172.3	1.49
375.83	128282.0	8.60
376.85	6483.6	0.43
377.83	27423.9	1.84
378.88	1250.6	0.08
379.83	3067.3	0.21
380.72	2124.4	0.14
382.93	137.6	0.01
384.91	3857.2	0.26
385.87	495.4	0.03
386.92	182.4	0.01
387.85	304.1	0.02
388.78	156.3	0.01

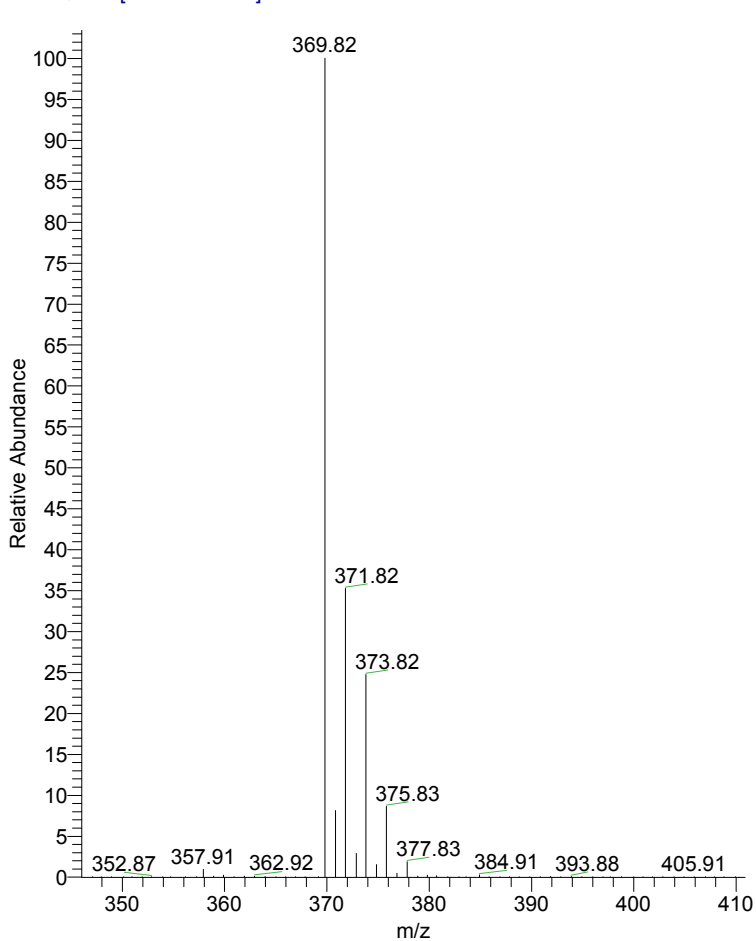
MC2347-20100402-DC #1-161 RT: 0.00-1.99 AV: 161 NL: 5.25E6

T: - c Q3MS [50.00-900.00]



MC2347-20100402-DC #1-161 RT: 0.00-1.99 AV: 161 NL: 1.49E6

T: - c Q3MS [50.00-900.00]



MC2347 1H NMR in C3D60
Batch 20100402-DC



3.893
3.827
3.815
3.804
3.781
3.741

MC2347
NAME
EXPNO 1
PROCNO 1
Date_ 20100419
Time 14.35
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT Acetone
NS 512
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 294.4 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 400.1299812 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

