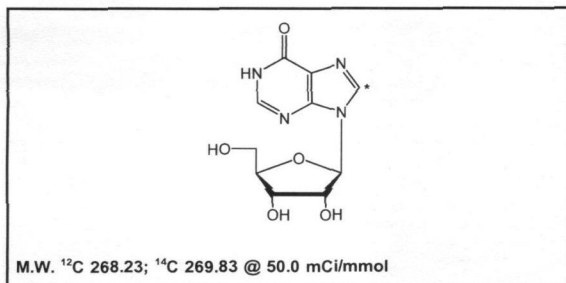




Product Data Sheet

MC-148

Inosine, [8-¹⁴C]-



Lot #: 190-004-050-A-20071019-AA

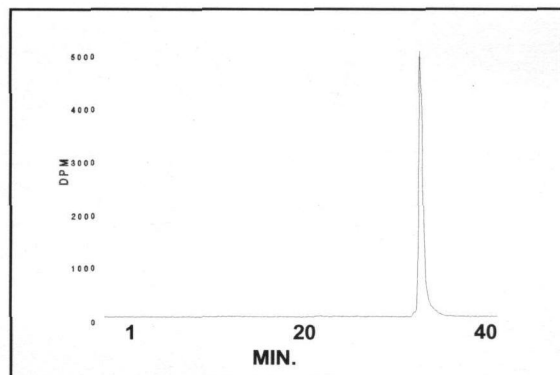
Specific Activity: 50.0 mCi/mmol

Concentration: 0.1 mCi/ml; 539.67 µg/ml

Packaged in: Ethanol : water (2 : 98) solution

Date of Analysis: August 10, 2009

Radiochemical Purity: 98.9%



HPLC ANALYSIS LOT 190-004-050-A-20071019-AA
File Name: int20223 Date and Time: 8/10/2009 12:13:06 P
Unit 2 Radio

Peak #	Area %	Time	Area
1	1.09	31.77330	177.09000
2	98.91	32.23000	16033.28308
Totals	100.00		16210.37308

Stability and Storage Recommendation: The rate of decomposition is approximately 0.1%/month for the first six months after purification when stored at 0-5°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-148

Inosine, [8-¹⁴C]-

Lot 190-004-050-A-20071019-AA

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

Concentrations and volumes:

Standard solution concentration was 0.8 mg/ml.

Inosine, [8-¹⁴C]- concentration was 50.0 µCi/mL.

Volume of standard alone injection was 2.0 µL.

Volume of **Inosine, [8-¹⁴C]-** alone injection was 2.0 µL.

Co-injection solution consisted of 1.5 µL **Inosine, [8-¹⁴C]-** + 1.5 µL standard.

Volume of co-injection was 3.0 µL.

Volume of blank injection was 2.0 µL.

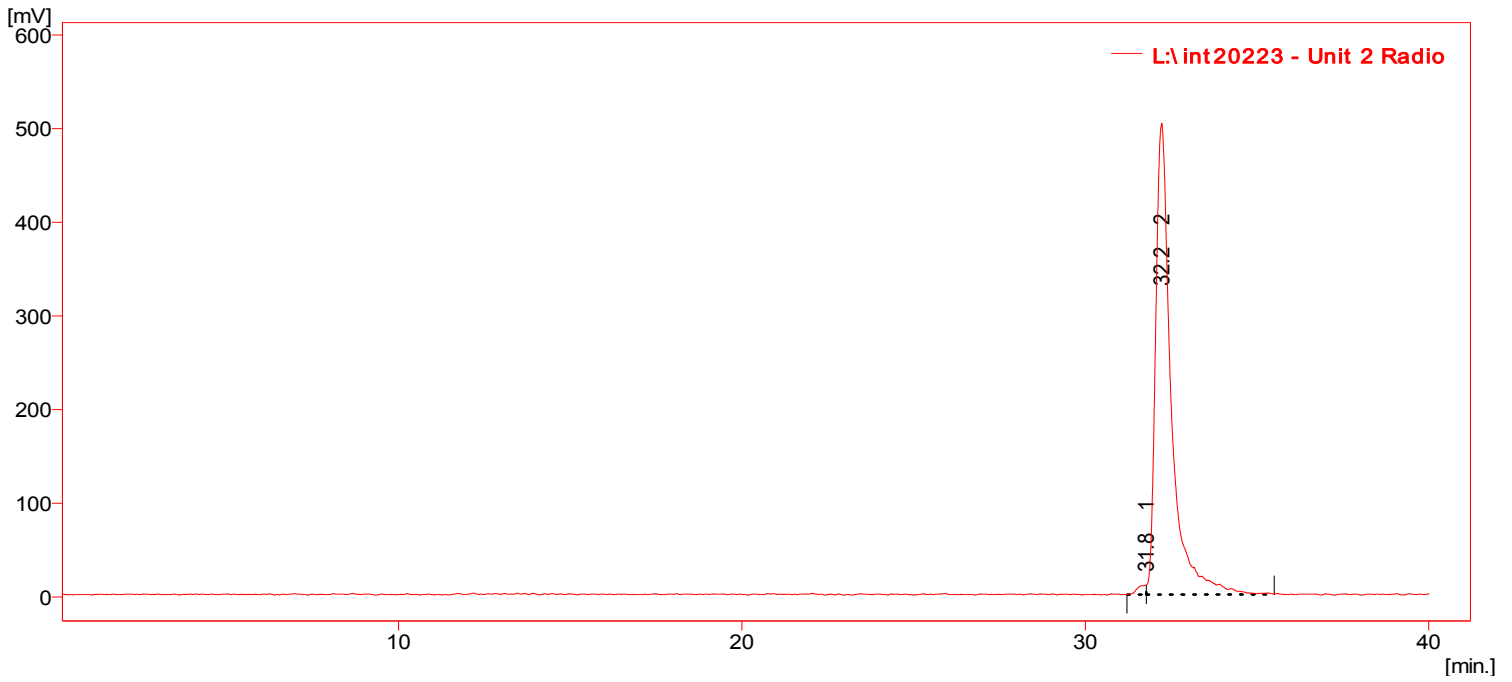
B) Mass spectrometry – Positive mode

C) NMR

MC-148
Inosine, [8-14C]-
Lot 190-004-050-A-20071019-AA

Chromatogram Info:

File Name	: L:\int20223	File Created	: 4/30/2014 9:13:03 AM
Origin	: Acquired, Acquisition started 8/10/2009 11:33:07 AM	Acquired Date	: 8/10/2009 12:13:06 PM
Project	: Work1	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: Radiochemical trace of 14C material alone	Modified	: 4/30/2014 9:29 AM
Created	: 6/16/2007 8:19 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



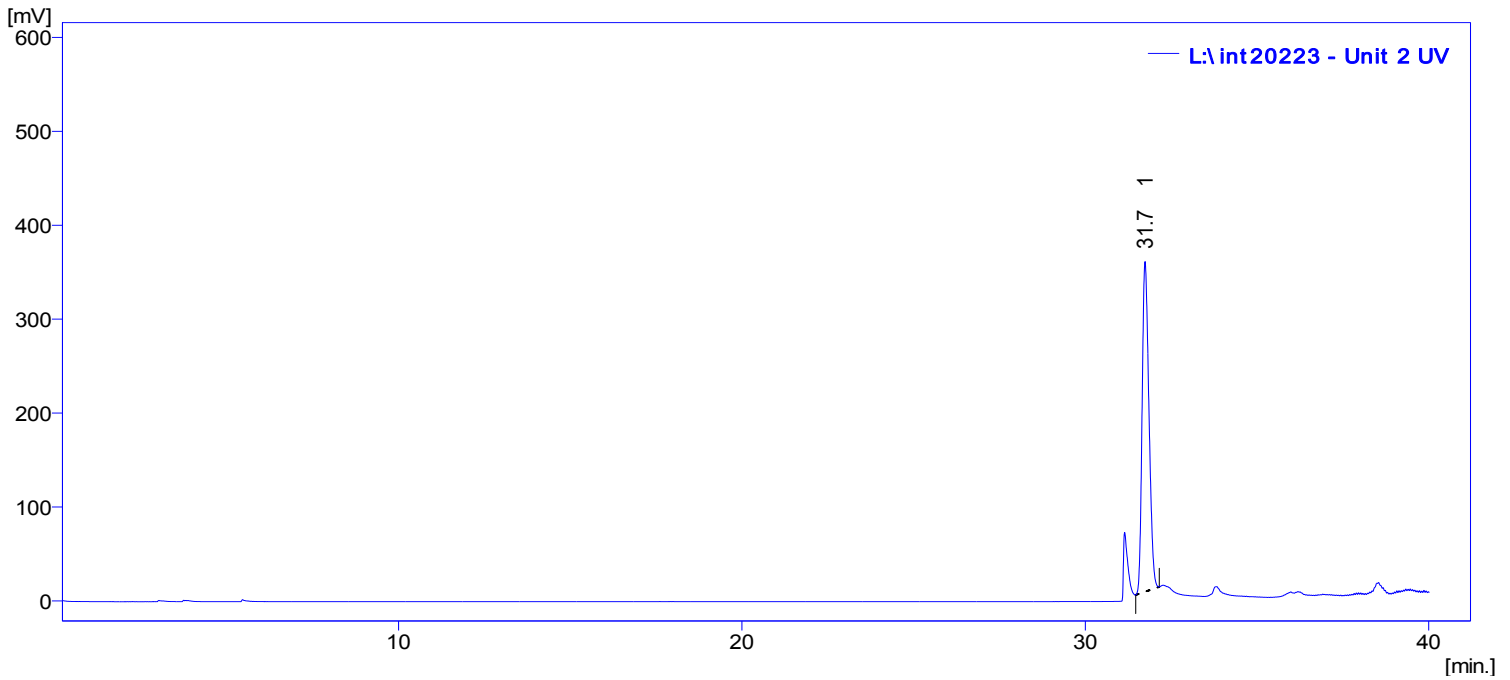
Result Table (Uncal - L:\int20223 - Unit 2 Radio)

	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		31.77	176.994	9.96	1.09	1.9	0.31	59458	1189162		0.51	
2		32.23	16031.322	503.02	98.91	98.1	0.42	32112	642237	0.74	1.86	
	Total		16208.316	512.98	100.00	100.0						

MC-148
Inosine, [8-14C]-
Lot 190-004-050-A-20071019-AA

Chromatogram Info:

File Name	: L:\int20223	File Created	: 4/30/2014 9:13:03 AM
Origin	: Acquired, Acquisition started 8/10/2009 11:33:07 AM	Acquired Date	: 8/10/2009 12:13:06 PM
Project	: Work1	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: UV trace of 14C material alone	Modified	: 4/30/2014 9:31 AM
Created	: 6/16/2007 8:19 AM		
Column	:	Detection	: UV 249nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\int20223 - Unit 2 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		31.74	4839.355	351.51	100.00	100.0	0.22	111897	2237930		1.24	
		Total	4839.355	351.51	100.00	100.0						

MC-148
Inosine, [8-14C]-
Lot 190-004-050-A-20071019-AA

Chromatogram Info:

File Name	: L:\int20224	File Created	: 4/30/2014 9:13:03 AM
Origin	: Acquired, Acquisition started 8/10/2009 12:49:47 PM	Acquired Date	: 8/10/2009 1:29:45 PM
Project	: Work1	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: UV trace of standard material alone		
Created	: 6/16/2007 8:19 AM	Modified	: 4/30/2014 9:32 AM
Column	:	Detection	: UV 249nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



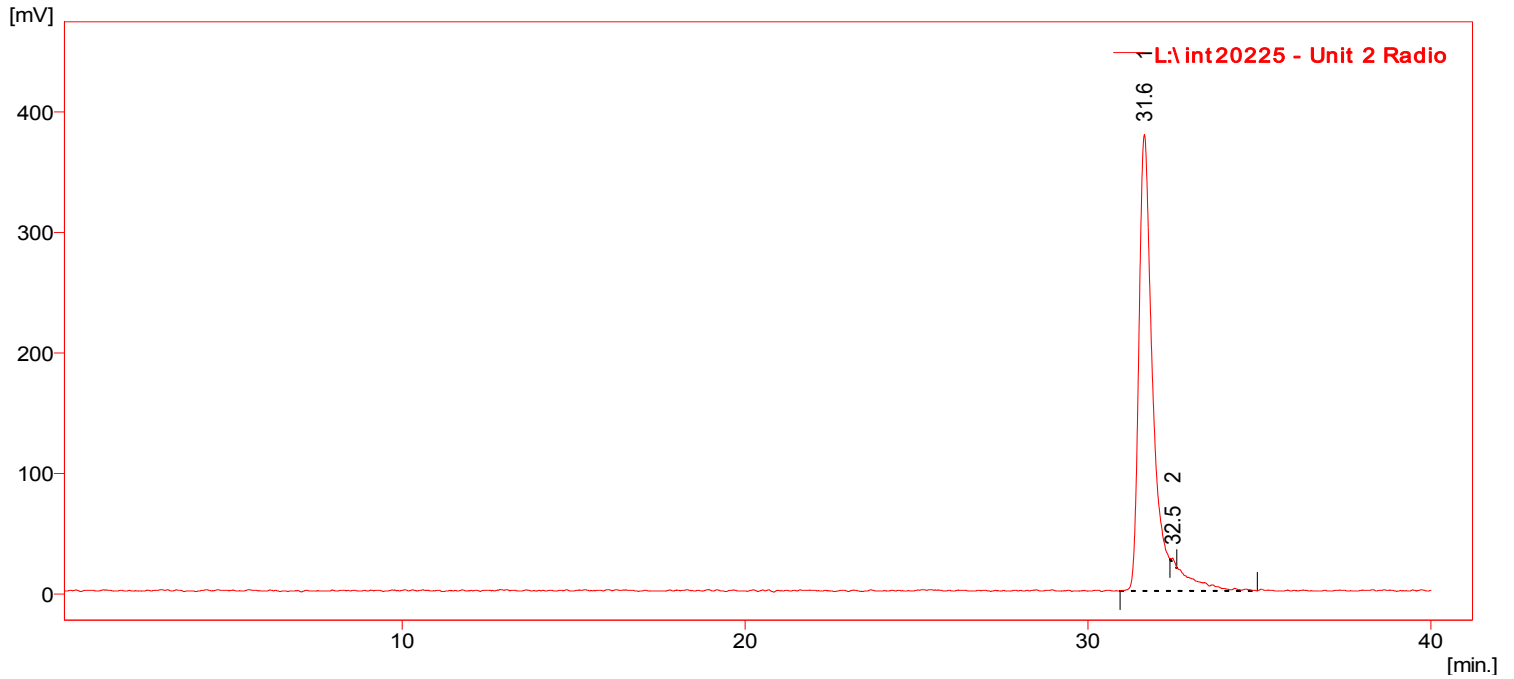
Result Table (Uncal - L:\int20224 - Unit 2 UV)

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	31.20	11899.379	929.37	100.00	100.0	0.20	130437	2608746		1.22	
Total		11899.379	929.37	100.00	100.0						

MC-148
Inosine, [8-14C]-
Lot 190-004-050-A-20071019-AA

Chromatogram Info:

File Name	: L:\int20225	File Created	: 4/30/2014 9:13:02 AM
Origin	: Acquired, Acquisition started 8/10/2009 1:53:11 PM	Acquired Date	: 8/10/2009 2:33:09 PM
Project	: Work1	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: Radiochemical trace of 14C material co-injected with standard		
Created	: 6/16/2007 8:19 AM	Modified	: 4/30/2014 9:36 AM
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\int20225 - Unit 2 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		31.64	11312.559	378.71	99.77	99.0	0.39	35855	717105		2.83	
2		32.47	26.240	3.99	0.23	1.0	0.12	429210	8584202	1.92	1.24	
	Total		11338.799	382.70	100.00	100.0						

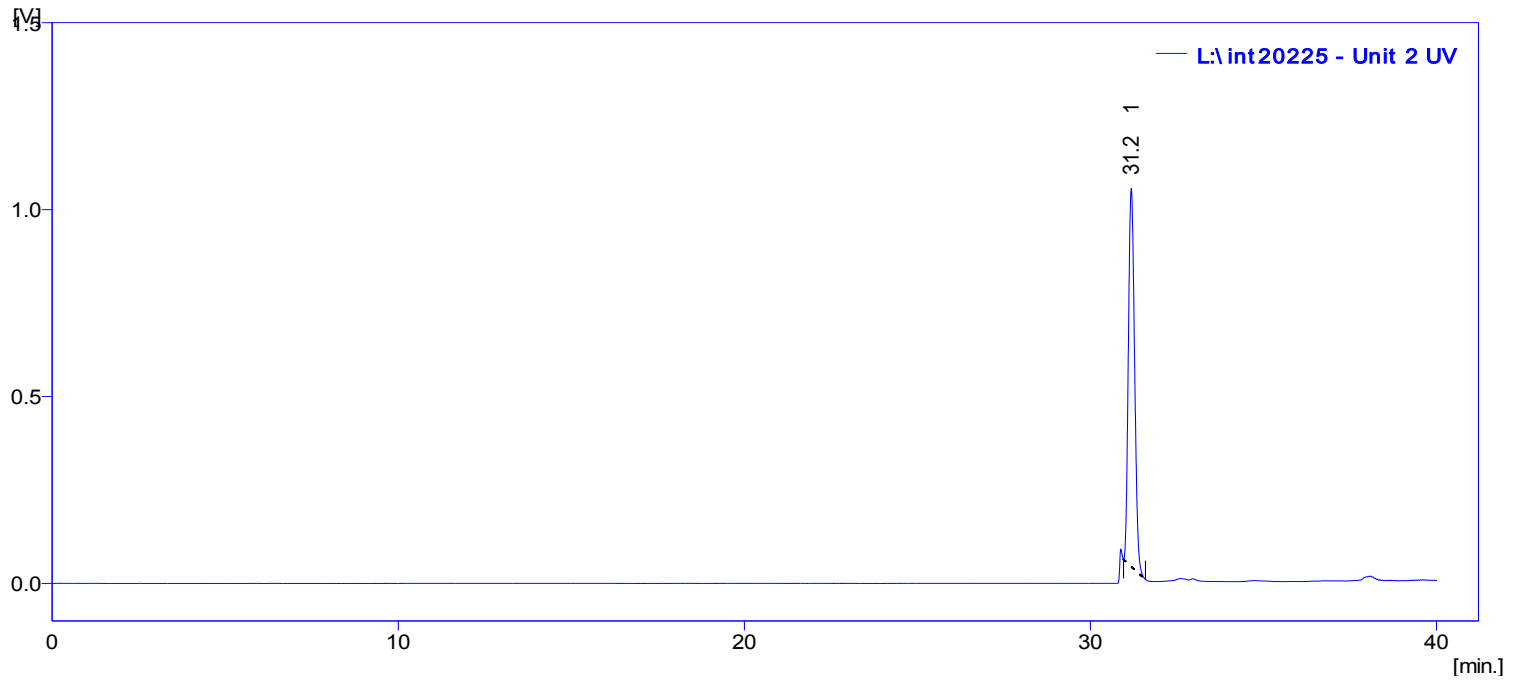
MC-148
Inosine, [8-14C]-
Lot 190-004-050-A-20071019-AA

Chromatogram Info:

File Name : L:\int20225 File Created : 4/30/2014 9:13:02 AM
 Origin : Acquired, Acquisition started 8/10/2009 1:53:11 PM Acquired Date : 8/10/2009 2:33:09 PM
 Project : Work1 By : Administrator

Method : Unit2-40minrun By : Administrator
 Description : UV trace of 14C material co-injected with standard
 Created : 6/16/2007 8:19 AM Modified : 4/30/2014 9:33 AM

Column : Detection : UV 249nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\int20225 - Unit 2 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		31.18	12579.917	1011.34	100.00	100.0	0.20	134649	2692973		1.14	
	Total		12579.917	1011.34	100.00	100.0						

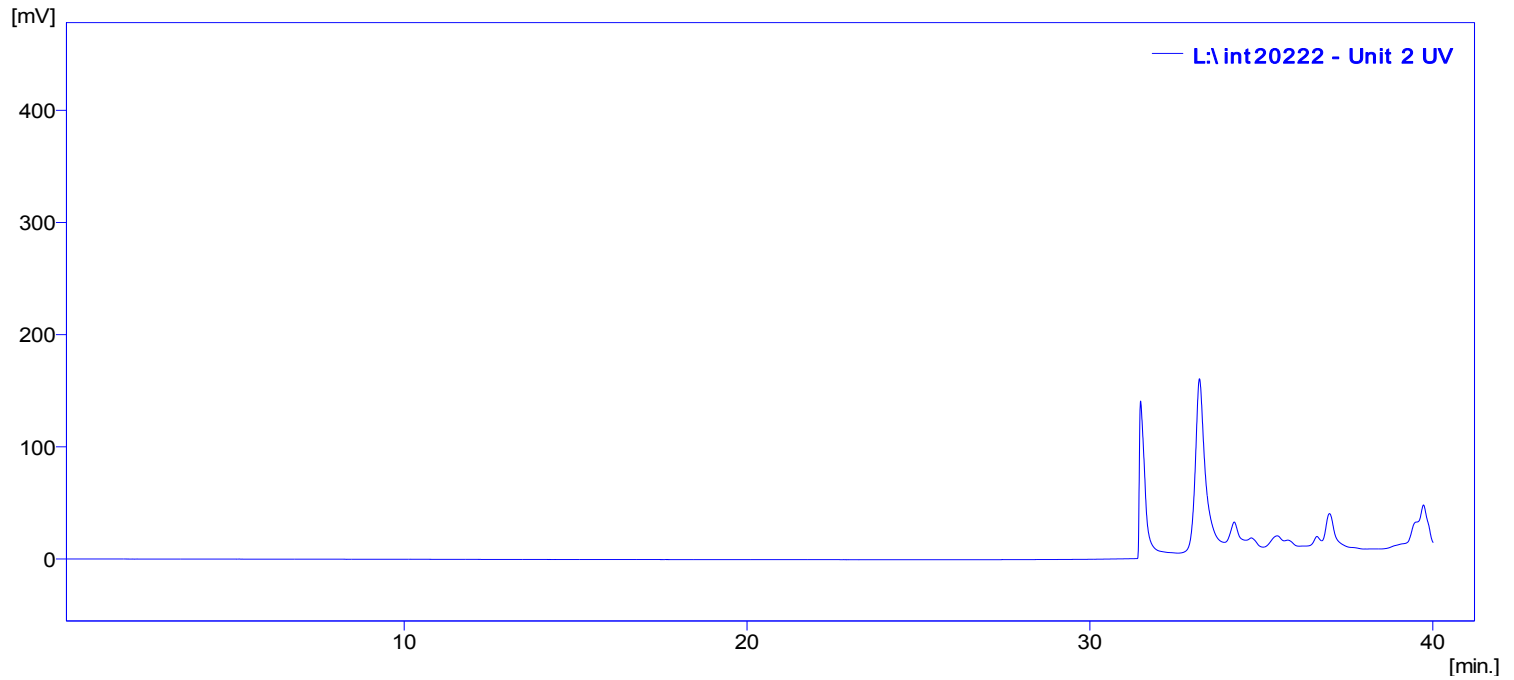
MC-148
Inosine, [8-14C]-
Lot 190-004-050-A-20071019-AA

Chromatogram Info:

File Name : L:\int20222 File Created : 4/30/2014 9:13:03 AM
 Origin : Acquired, Acquisition started 8/10/2009 10:26:50 AM Acquired Date : 8/10/2009 11:06:49 AM
 Project : Work1 By : Administrator

Method : Unit2-40minrun By : Administrator
 Description : UV trace of blank injection
 Created : 6/16/2007 8:19 AM Modified : 4/30/2014 9:36 AM

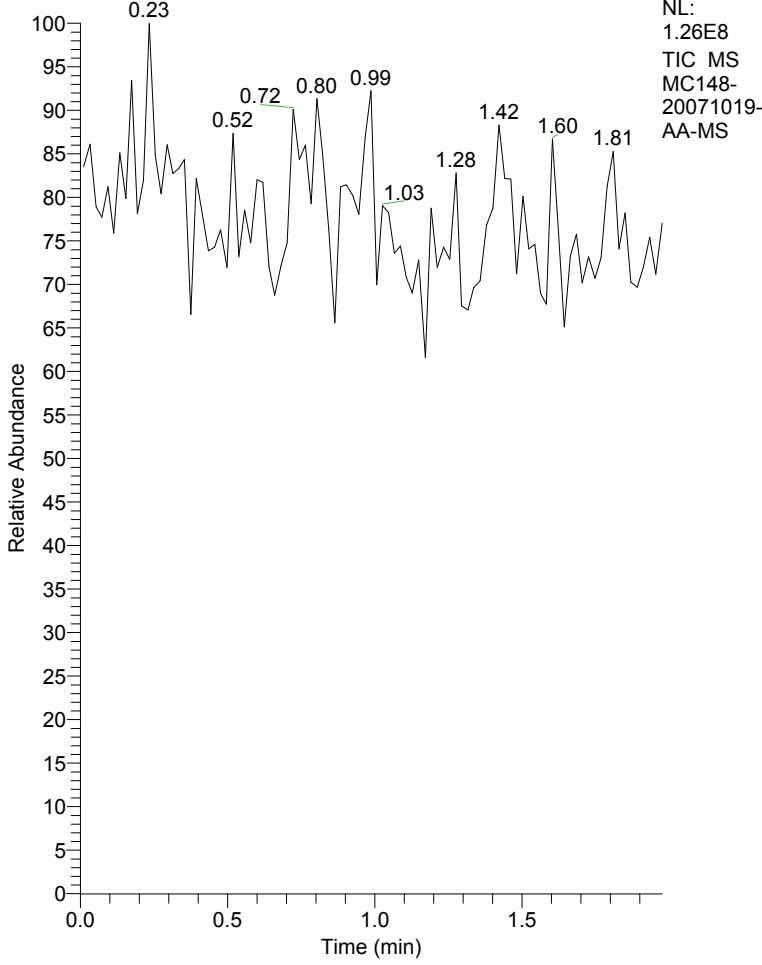
Column : Detection : UV 249nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\int20222 - Unit 2 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 - 1.98



NL:
1.26E8
TIC MS
MC148-
20071019-
AA-MS

MC148-20071019-AA-MS#1-97 RT: 0.01-1.98

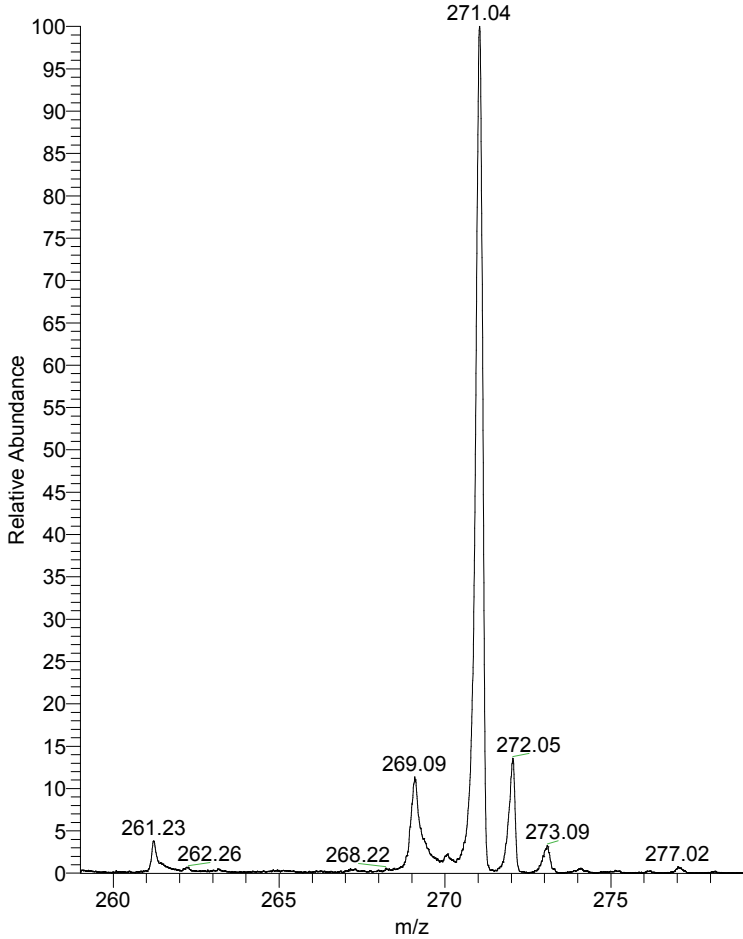
T: + p NSI Z ms [259.00-279.00]

m/z = 267.44-276.17

m/z	Intensity	Relative
269.14	12424217.0	19.09
270.08	1924613.0	2.96
270.99	65067552.0	100.00
271.98	7762115.5	11.93
273.03	2234541.3	3.43
274.05	521023.5	0.80
275.02	321184.8	0.49
276.08	197900.9	0.30

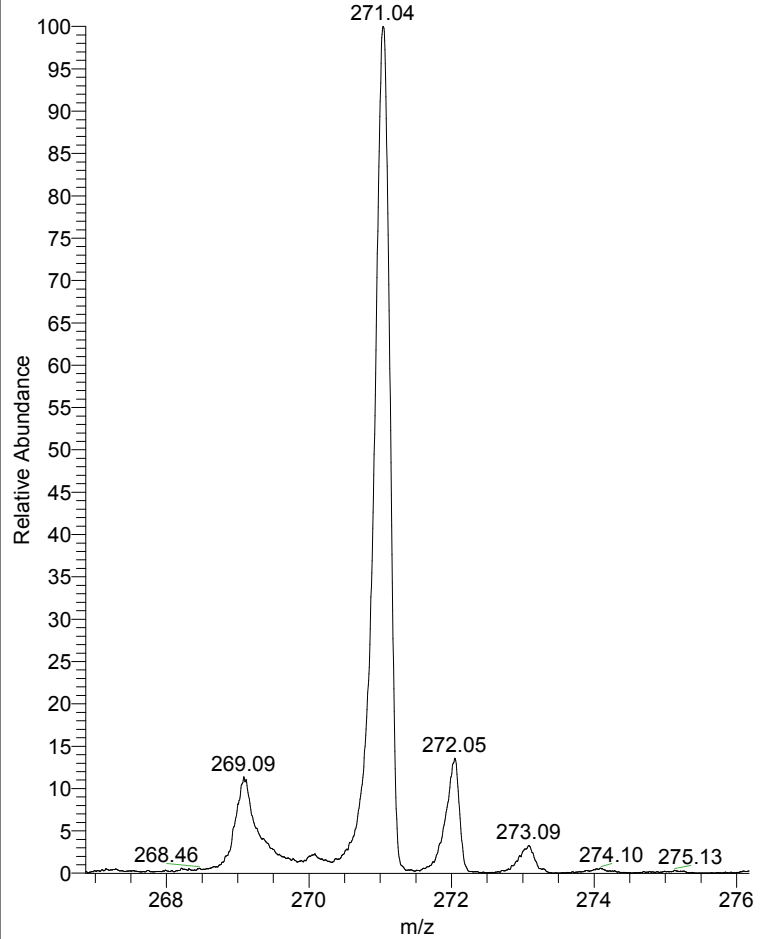
MC148-20071019-AA-MS #1-97 RT: 0.01-1.98 AV: 97 NL: 1.22E6

T: + p NSI Z ms [259.00-279.00]



MC148-20071019-AA-MS #1-97 RT: 0.01-1.98 AV: 97 NL: 1.22E6

T: + p NSI Z ms [259.00-279.00]



MC148 1H NMR in D2O
Batch 20071019-AA



8.187
8.069
5.952
5.939
4.302
4.143
3.800
3.768
3.722
3.692

NAME MC148
EXPNO 1
PROCNO 1
Date_ 20090714
Time 13.21
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT D2O
NS 473
DS 0
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 362
DW 60.400 usec
DE 6.50 usec
TE 294.7 K
D1 2.00000000 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 400.1300052 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

