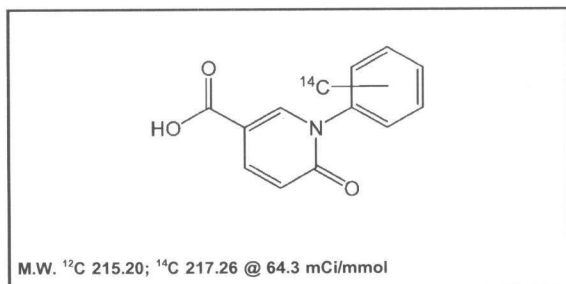




Product Data Sheet

MC-2389

5-Carboxy-N-phenyl-2-(1H)-pyridone, [phenyl-¹⁴C(U)]-



Lot #: 165-024-0643-A-20090122-DR

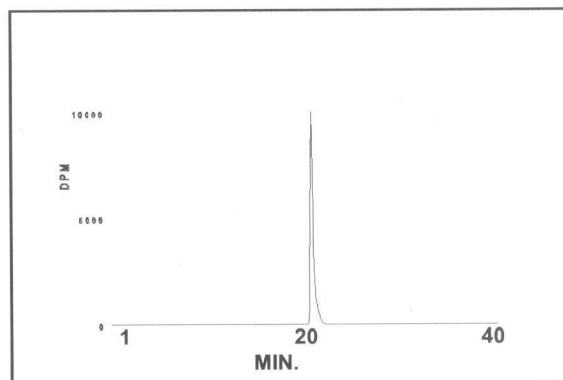
Specific Activity: 64.3 mCi/mmol

Concentration: 0.1 mCi/ml; 337.89 µg/ml

Packaged in: Methanol solution

Date of Analysis: January 24, 2009

Radiochemical Purity: 99.9%



Peak #	Area %	Time	Area
1	100.00	20.75330	22641.59581
Totals	100.00		22641.59581

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-2389

5-Carboxy-N-phenyl-2-(1H)-pyridone, [phenyl-¹⁴C(U)]-

Lot 165-024-0643-A-20090122-DR

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

Concentrations and volumes:

Standard solution concentration is 2.0 mg/mL.

¹⁴C **Material** concentration is 61.0 µCi/mL.

Volume of standard alone injection was 1.0 µL.

Volume of ¹⁴C **Material** alone injection was 2.5 µL.

Co-injection solution consisted of 2.5 µL ¹⁴C **Material** + 1.0 µL standard.

Volume of co-injection was 3.5 µL.

Volume of blank injection was 2.5 µL.

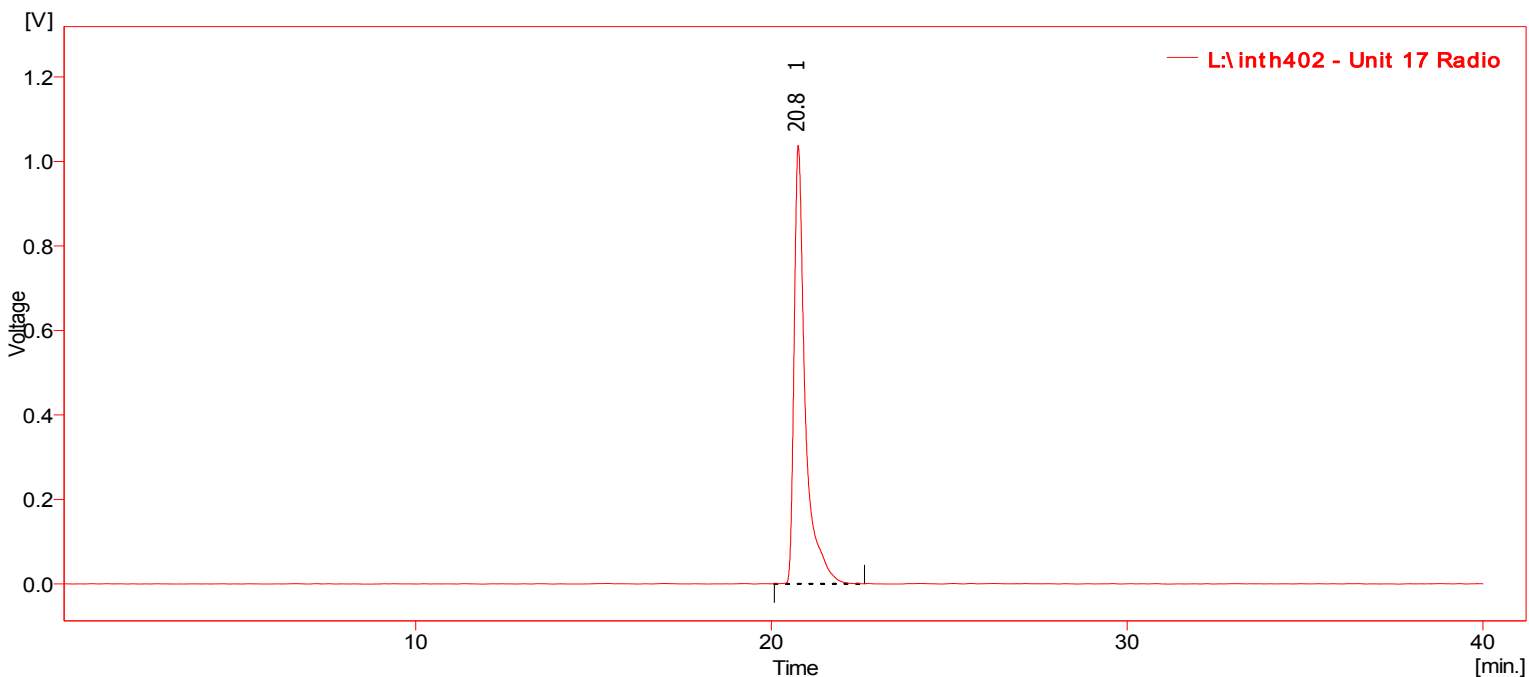
B) Mass spectrometry – Negative mode

C) NMR

MC-2389
5-Carboxy-N-phenyl-2-(1H)-pyridone, [phenyl-14C(U)]-
Lot 165-024-0643-A-20090122-DR

Chromatogram Info:

File Name	: L:\inth402	File Created	: 5/29/2014 8:38:09 AM
Origin	: Acquired, Acquisition started 1/24/2009 9:38:56 AM	Acquired Date	: 1/24/2009 10:18:54 AM
Project	: Work1	By	: Administrator
Method	: Unit17_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material alone	Modified	: 5/29/2014 8:57 AM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



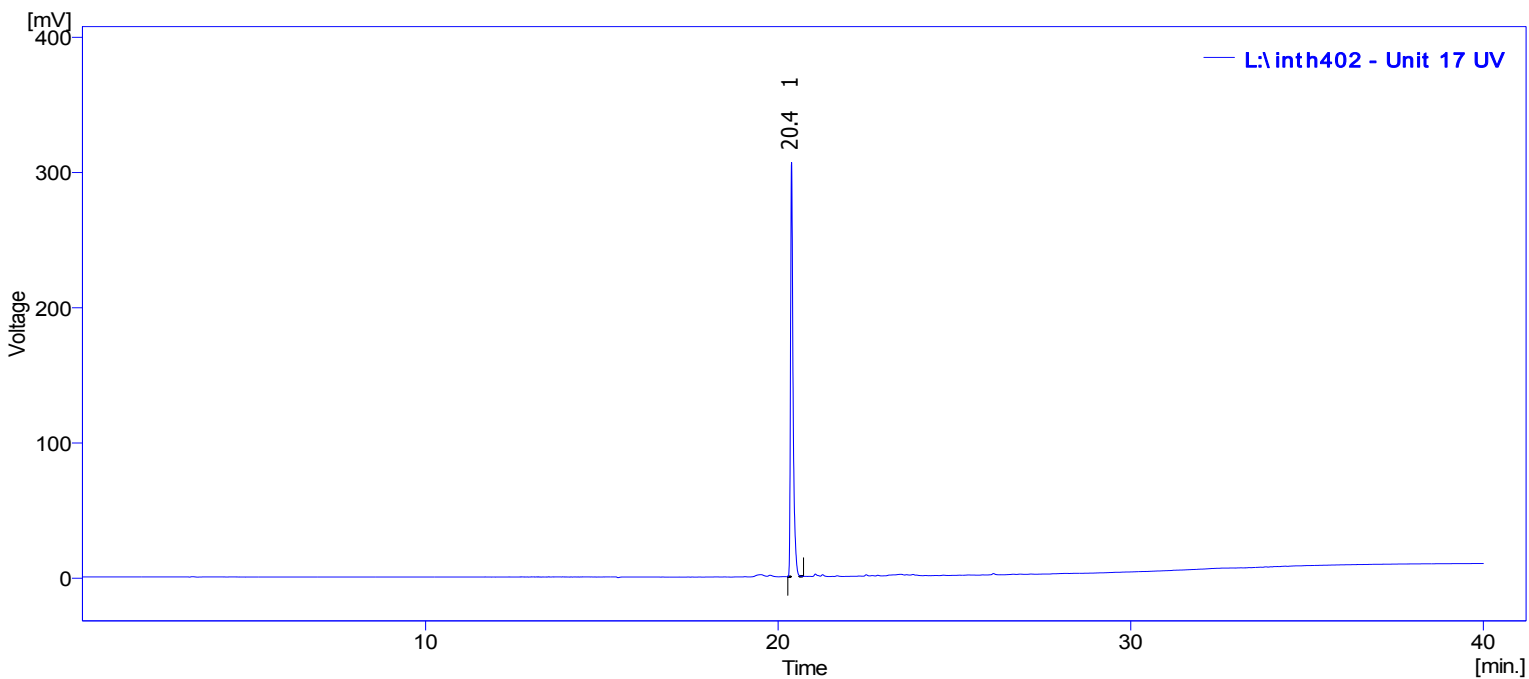
Result Table (Uncal - L:\inth402 - Unit 17 Radio)

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	20.75	22641.596	1037.94	100.00	100.0	0.29	7475	149499		2.05	
Total		22641.596	1037.94	100.00	100.0						

MC-2389
5-Carboxy-N-phenyl-2-(1H)-pyridone, [phenyl-14C(U)]-
Lot 165-024-0643-A-20090122-DR

Chromatogram Info:

File Name	: L:\inth402	File Created	: 5/29/2014 8:38:09 AM
Origin	: Acquired, Acquisition started 1/24/2009 9:38:56 AM	Acquired Date	: 1/24/2009 10:18:54 AM
Project	: Work1	By	: Administrator
Method	: Unit17_40_min_run	By	: Administrator
Description	: UV trace of 14C material alone		
Created	: 8/9/2007 8:59 AM	Modified	: 5/29/2014 8:58 AM
Column	:	Detection	: UV 255nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\inth402 - 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		20.38	1522.393	306.20	100.00	100.0	0.07	240609	4812179		1.55	
		Total	1522.393	306.20	100.00	100.0						

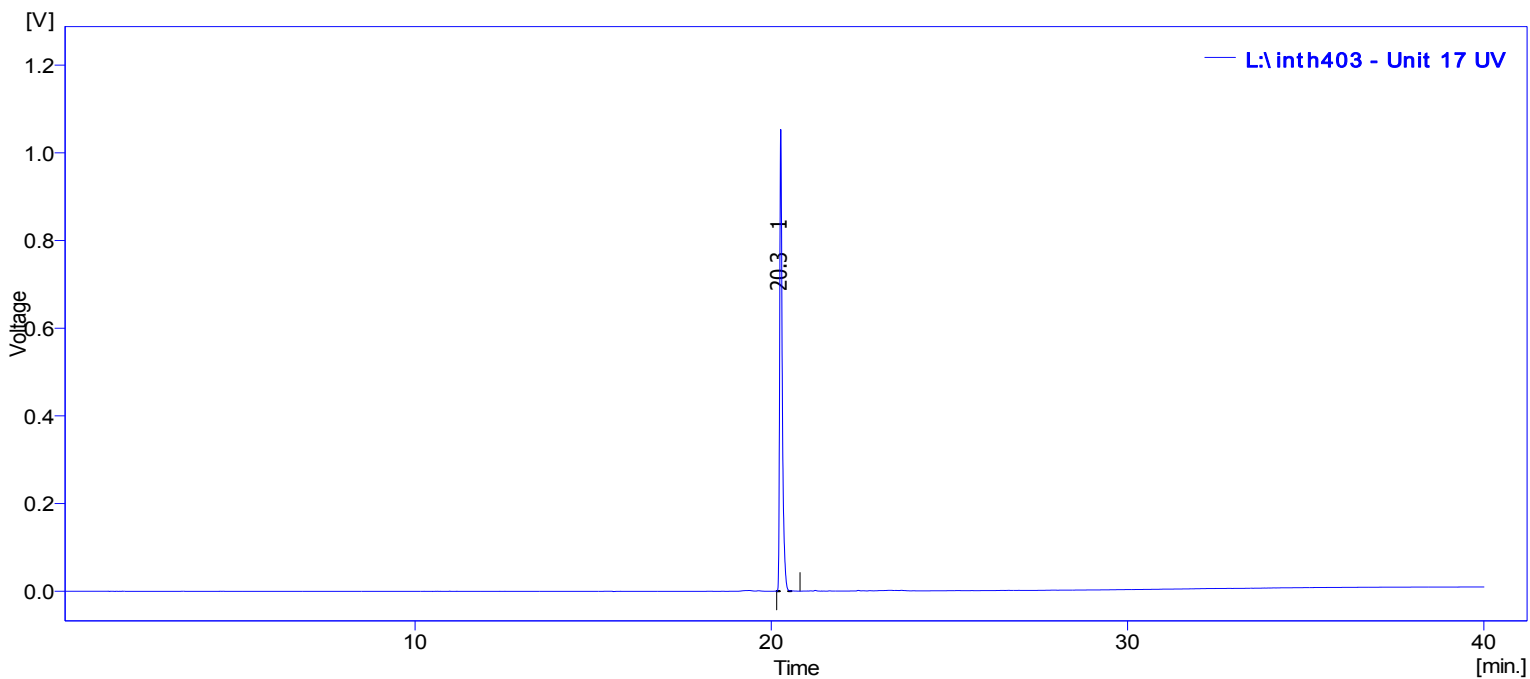
MC-2389
5-Carboxy-N-phenyl-2-(1H)-pyridone, [phenyl-14C(U)]-
Lot 165-024-0643-A-20090122-DR

Chromatogram Info:

File Name : L:\inth403 File Created : 5/29/2014 8:38:10 AM
 Origin : Acquired, Acquisition started 1/24/2009 11:22:51 AM Acquired Date : 1/24/2009 12:02:49 PM
 Project : Work1 By : Administrator

Method : Unit17_40_min_run By : Administrator
 Description : UV trace of standard material alone
 Created : 8/9/2007 8:59 AM Modified : 5/29/2014 8:59 AM

Column : Detection : UV 255nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\inth403 - 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		20.26	5246.575	1053.17	100.00	100.0	0.08	230640	4612805		1.53	
	Total		5246.575	1053.17	100.00	100.0						

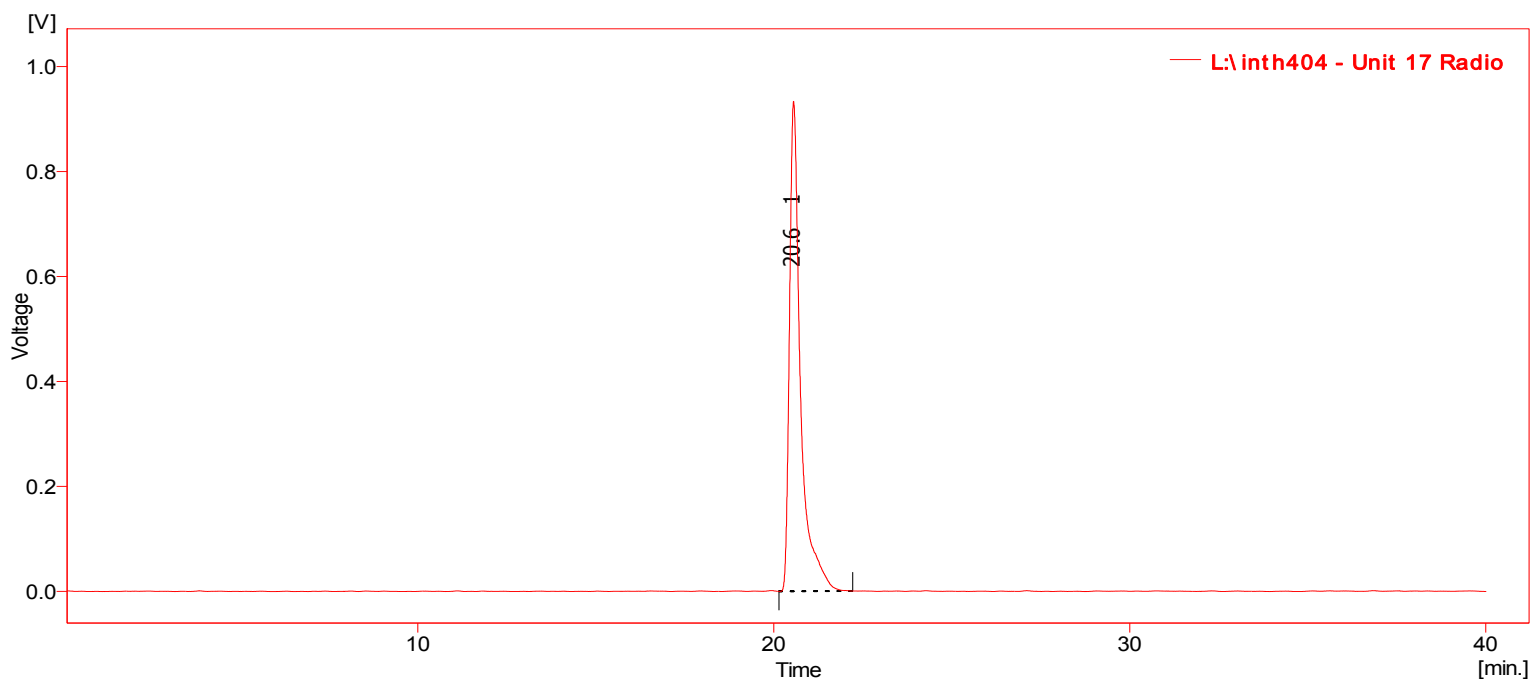
MC-2389
5-Carboxy-N-phenyl-2-(1H)-pyridone, [phenyl-14C(U)]-
Lot 165-024-0643-A-20090122-DR

Chromatogram Info:

File Name : L:\inth404 File Created : 5/29/2014 8:38:05 AM
 Origin : Acquired, Acquisition started 1/24/2009 12:11:48 PM Acquired Date : 1/24/2009 12:51:46 PM
 Project : Work1 By : Administrator

Method : Unit17_40_min_run By : Administrator
 Description : Radiochemical trace of 14C material co-injected with standard
 Created : 8/9/2007 8:59 AM Modified : 5/29/2014 9:00 AM

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



Result Table (Uncal - L:\inth404 - 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		20.56	20208.321	933.58	100.00	100.0	0.29	7460	149200		2.04	
	Total		20208.321	933.58	100.00	100.0						

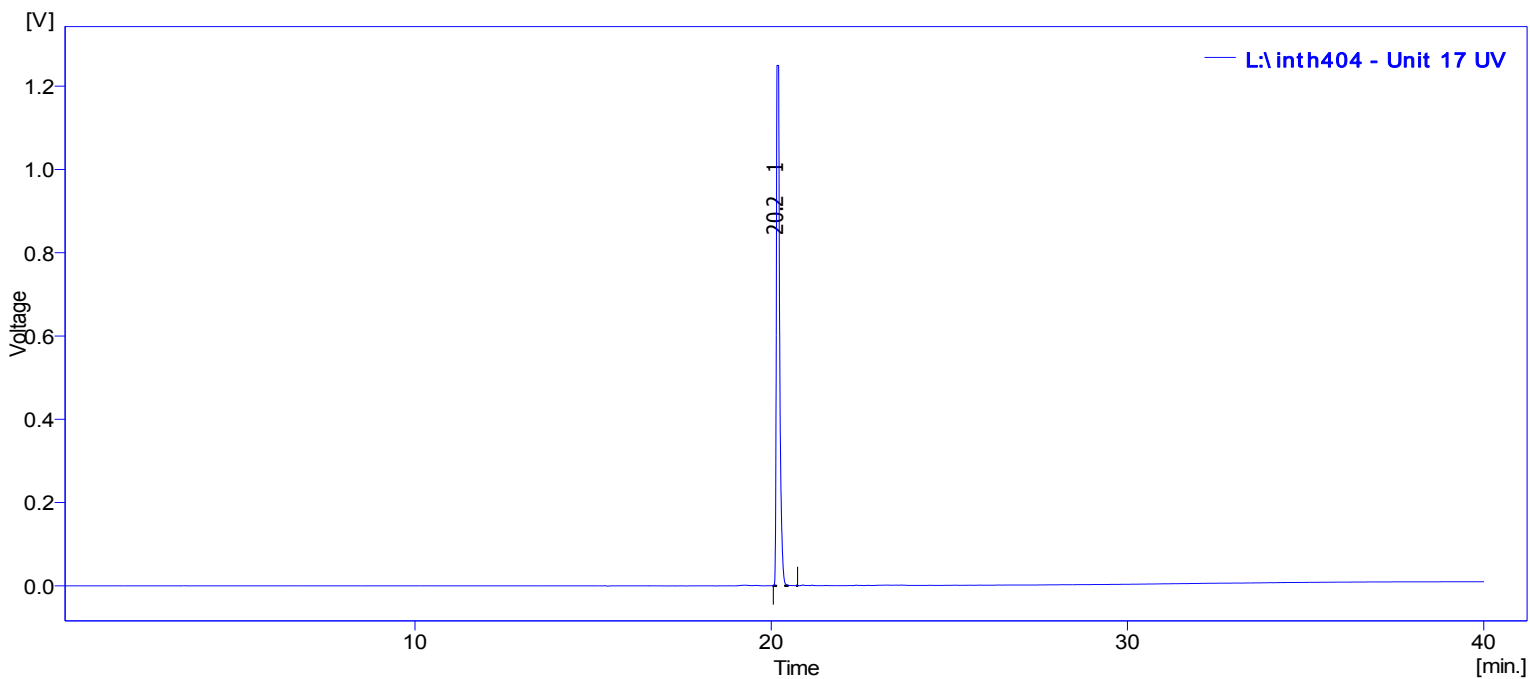
MC-2389
5-Carboxy-N-phenyl-2-(1H)-pyridone, [phenyl-14C(U)]-
Lot 165-024-0643-A-20090122-DR

Chromatogram Info:

File Name : L:\inth404 File Created : 5/29/2014 8:38:05 AM
 Origin : Acquired, Acquisition started 1/24/2009 12:11:48 PM Acquired Date : 1/24/2009 12:51:46 PM
 Project : Work1 By : Administrator

Method : Unit17_40_min_run By : Administrator
 Description : UV trace of 14C material co-injected with standard
 Created : 8/9/2007 8:59 AM Modified : 5/29/2014 9:01 AM

Column : Detection : UV 255nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\inth404 - 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		20.16	8110.204	1249.84	100.00	100.0	0.10	197993	3959863		2.17	
		Total	8110.204	1249.84	100.00	100.0						

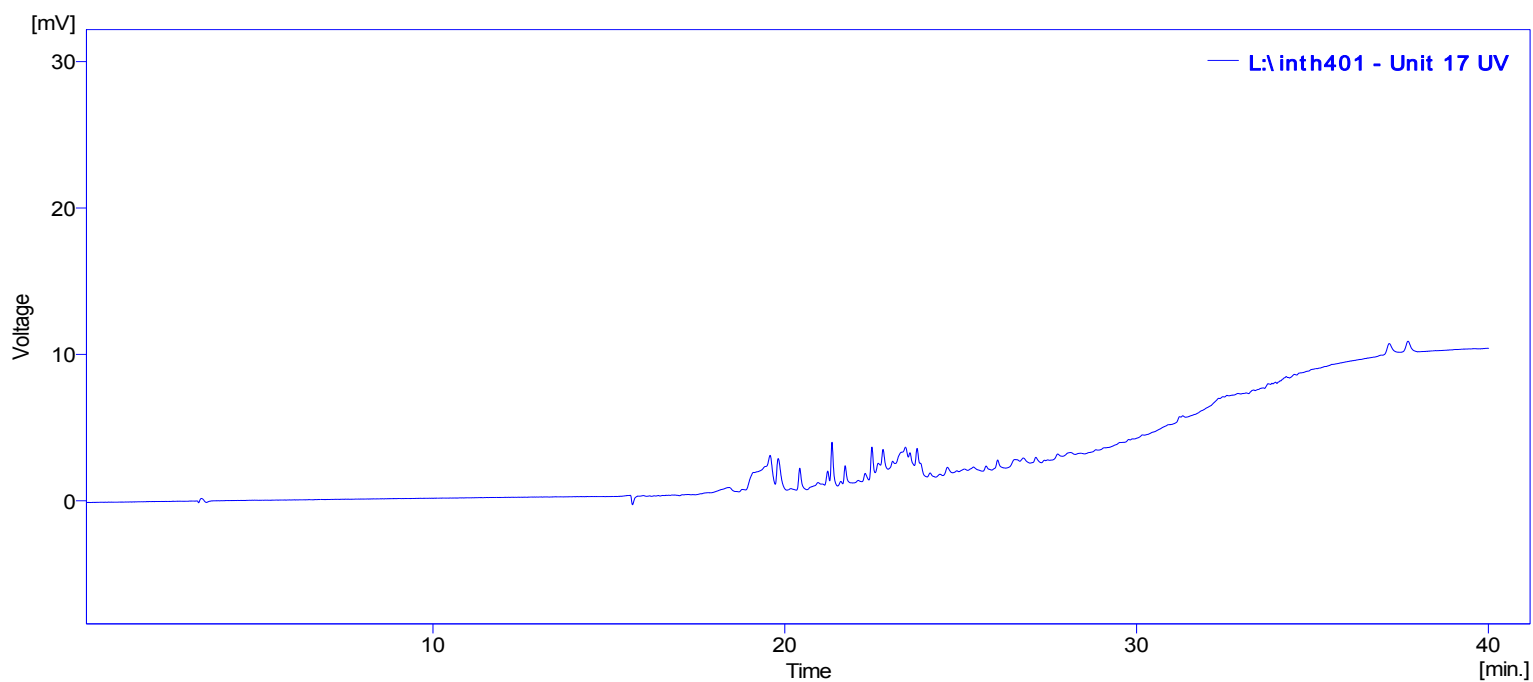
MC-2389
5-Carboxy-N-phenyl-2-(1H)-pyridone, [phenyl-14C(U)]-
Lot 165-024-0643-A-20090122-DR

Chromatogram Info:

File Name : L:\inth401 File Created : 5/29/2014 8:38:09 AM
 Origin : Acquired, Acquisition started 1/24/2009 8:49:46 AM Acquired Date : 1/24/2009 9:29:45 AM
 Project : Work1 By : Administrator

Method : Unit17_40_min_run By : Administrator
 Description : UV trace of blank injection
 Created : 8/9/2007 8:59 AM Modified : 5/29/2014 9:02 AM

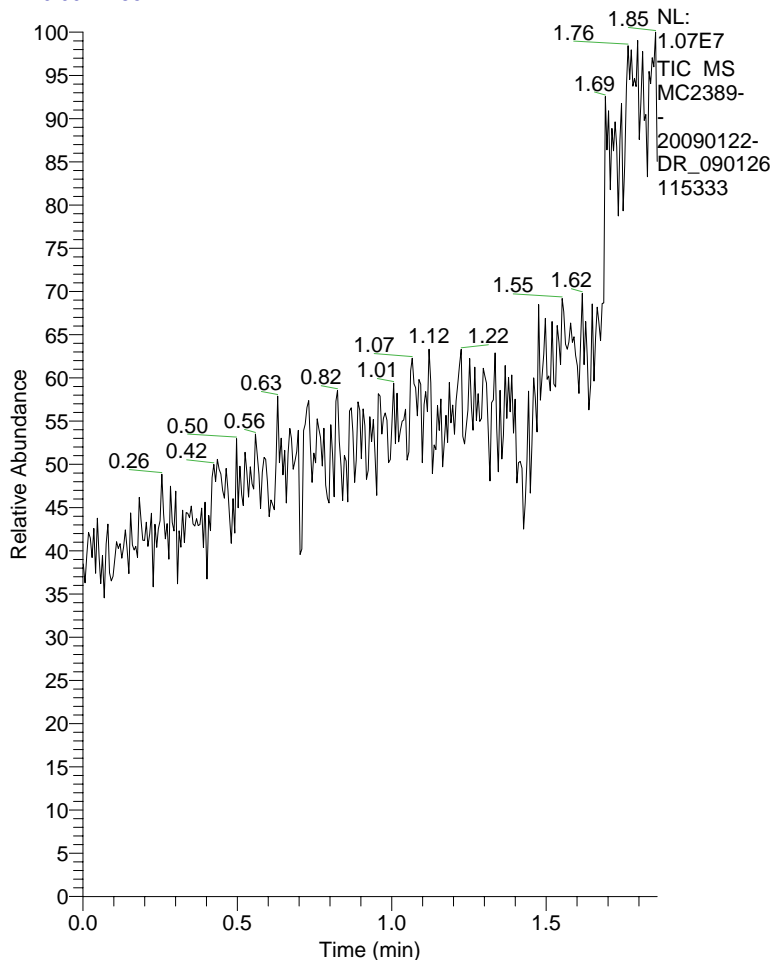
Column : Detection : UV 255nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



Result Table (Uncal - L:\inth401 - 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 - 1.86



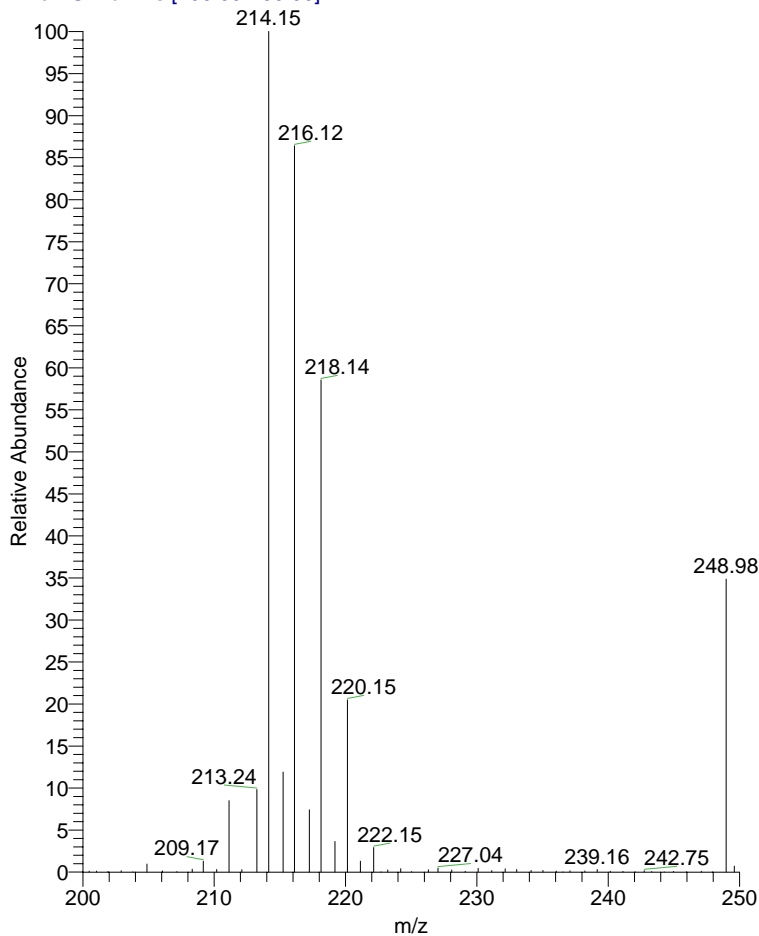
MC2389-20090122-DR_090126115333#1-339

T: - c NSI Full ms [200.00-250.00]

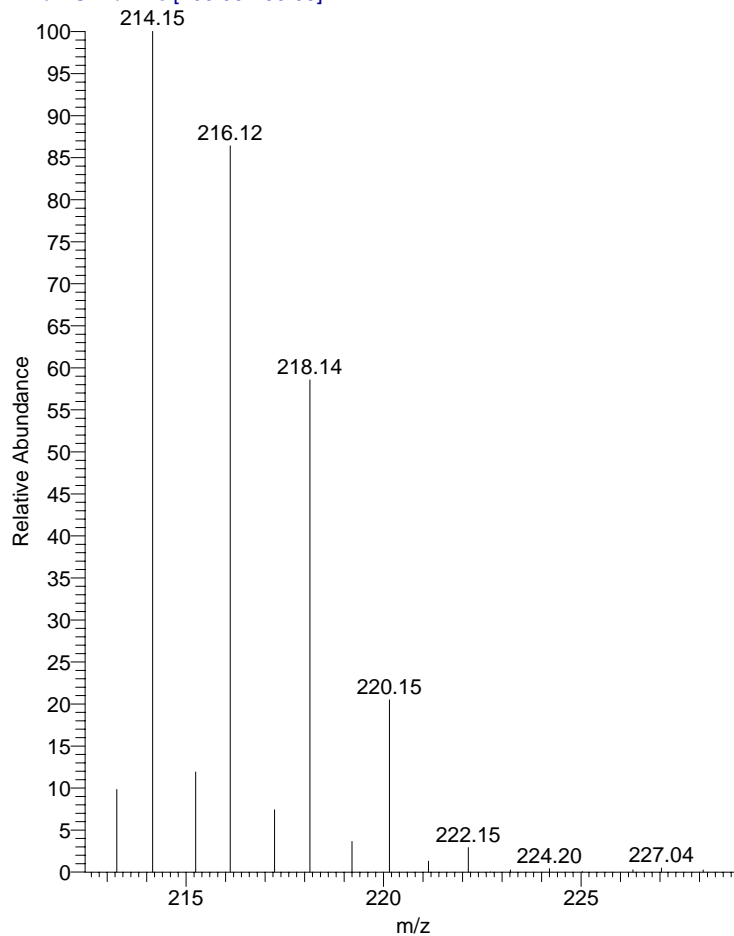
m/z = 213.20-226.64

m/z	Intensity	Relative
213.24	163172.3	9.82
214.15	1662286.3	100.00
215.24	197707.0	11.89
216.12	1436194.0	86.40
217.24	123017.2	7.40
218.14	973081.6	58.54
219.20	60248.2	3.62
220.15	340276.0	20.47
221.14	21249.5	1.28
222.15	48249.4	2.90
222.71	47.9	0.00
223.21	4087.8	0.25
224.20	6385.0	0.38
225.03	945.6	0.06
226.32	4177.8	0.25

MC2389-20090122-DR_090126115333 #1-339 RT: 0.00-1.86 AV: 339
T: - c NSI Full ms [200.00-250.00]



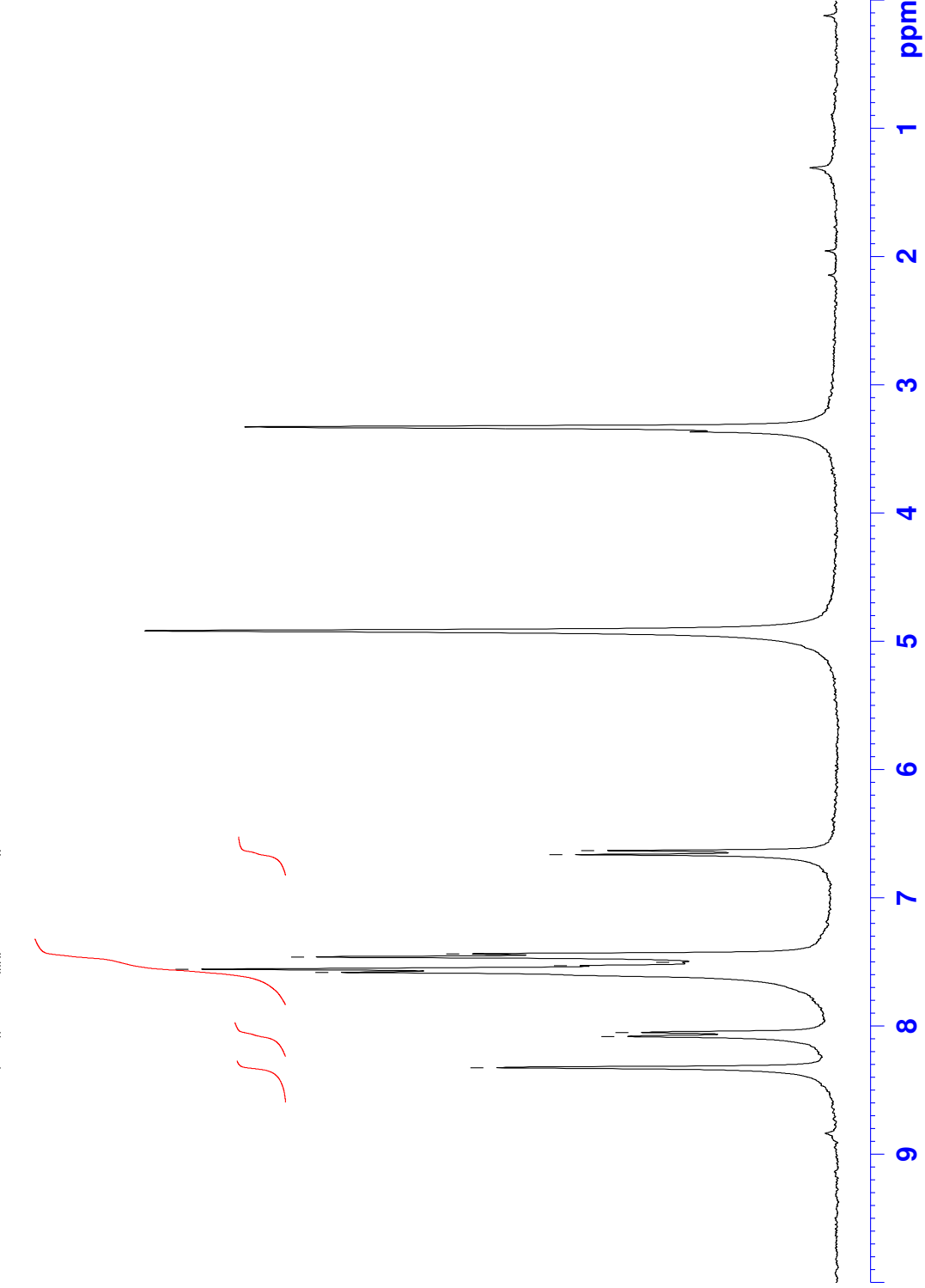
MC2389-20090122-DR_090126115333 #1-339 RT: 0.00-1.86 AV: 339
T: - c NSI Full ms [200.00-250.00]



MC2389 1H NMR in MeOD
Batch 20090122-DR



8.226
8.083
8.052
7.583
7.558
7.530
7.503
7.463
7.438
6.664
6.633



Current Data Parameters
NAME MC2389
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20090129
Time 10.34
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 500
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 362
DW 81.000 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 10.25 usec
PL1 0.00 dB
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 32768
SF 300.1300000 MHz
WDW EM
SSB 0
LB 2.10 Hz
GB 0
PC 1.00