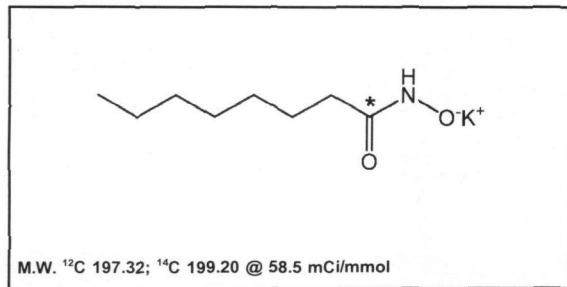




Product Data Sheet

MC-2355

Potassium octyl hydroxamate, [1-¹⁴C]-



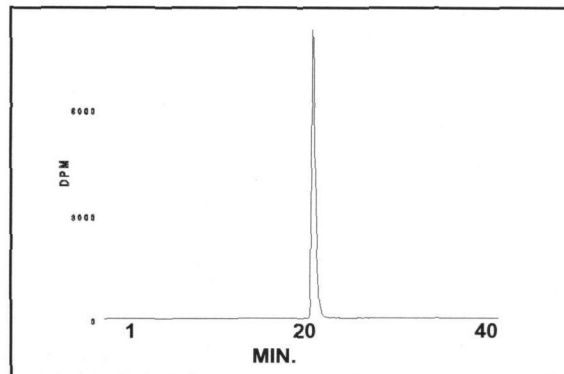
Lot #: 211-010-0585-A-20100901-JH

Specific Activity: 58.5 mCi/mmol

Packaged as: Solid

Date of Analysis: September 17, 2010

Radiochemical Purity: 99.9%



HPLC ANALYSIS LOT 211-010-0585-A-20100901-JH
File Name: intr2649 Date and Time: 9/17/2010 11:35:02 A
Unit 21 Radio

| Peak # | Area % | Time | Area |
|--------|--------|----------|-------------|
| 1 | 99.96 | 21.32670 | 22760.81681 |
| 2 | 0.04 | 22.47670 | 9.45579 |
| Totals | 100.00 | | 22770.27260 |

Stability and 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-2355

Potassium octyl hydroxamate, [1-¹⁴C]-

Lot 211-010-0585-A-20100901-JH

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

Concentrations and volumes:

Potassium octyl hydroxamate, [1-¹⁴C]- concentration was 0.1 mCi/ml.

Volume of **Potassium octyl hydroxamate, [1-¹⁴C]-** injection was 1.0 µl.

Volume of blank injection was 1.0 µl.

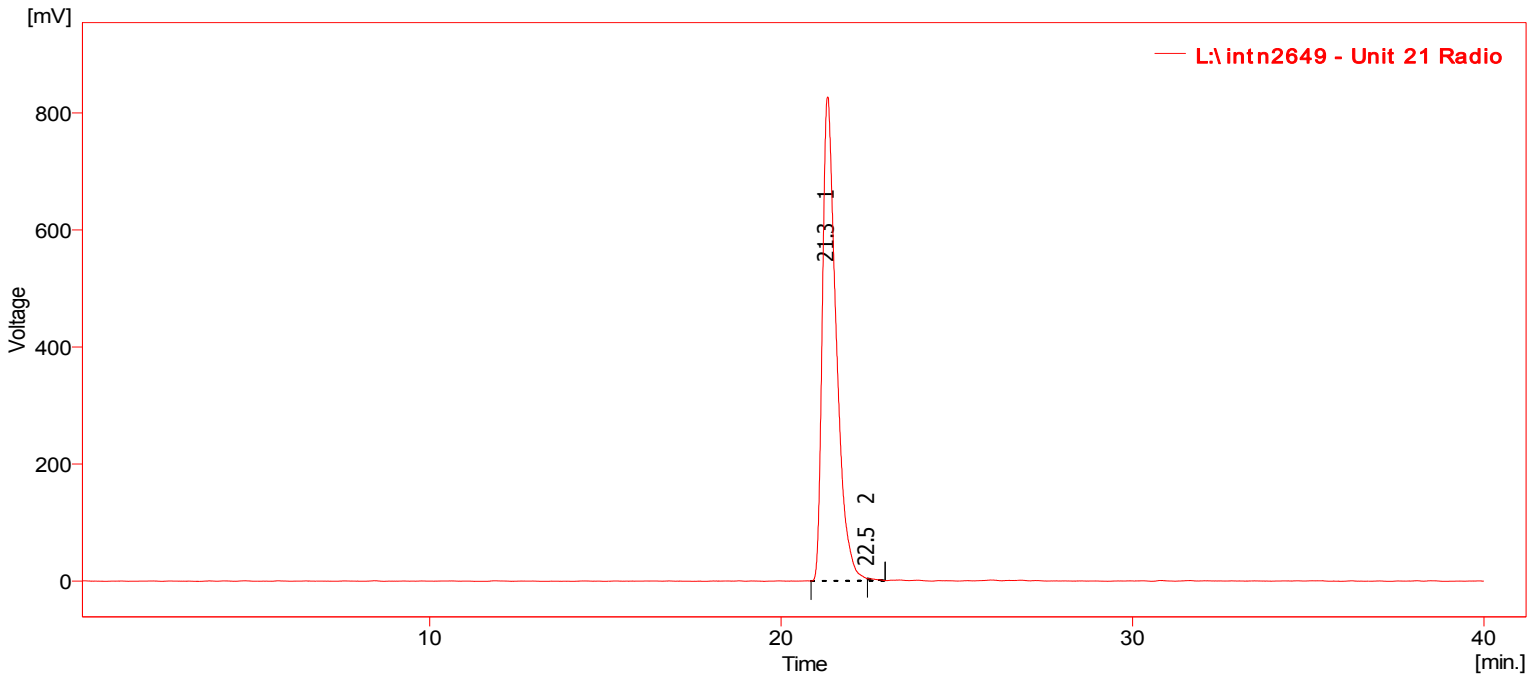
B) Mass spectrometry – Positive mode

C) NMR

MC-2355
Potassium octyl hydroxamate, [1-14C]-
Lot 211-010-0585-A-20100901-JH

Chromatogram Info:

| | | | |
|--------------|---|---------------|-------------------------|
| File Name | : L:\intn2649 | File Created | : 5/20/2014 4:00:13 PM |
| Origin | : Acquired, Acquisition started 9/17/2010 10:55:03 AM | Acquired Date | : 9/17/2010 11:35:02 AM |
| Project | : Work1 | By | : Administrator |
| Method | : Unit_21_40_min_run | By | : Administrator |
| Description | : Radiochemical trace of 14C material alone | | |
| Created | : 4/17/2008 10:21 AM | Modified | : 5/20/2014 4:08 PM |
| Column | : | Detection | : Radiochemical |
| Mobile Phase | : | Temperature | : |
| Flow Rate | : | Pressure | : |
| Note | : | | |



Result Table (Uncal - L:\intn2649 - Unit 21 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 | 21.33 | 22760.817 | 827.04 | 99.96 | 100.0 | 0.41 | 14990 | 299791 | | 2.25 | |
| 2 | 22.48 | 9.456 | 0.23 | 0.04 | 0.0 | 0.02 | 5140673 | 102813466 | 3.13 | 14.90 | |
| Total | | 22770.273 | 827.27 | 100.00 | 100.0 | | | | | | |

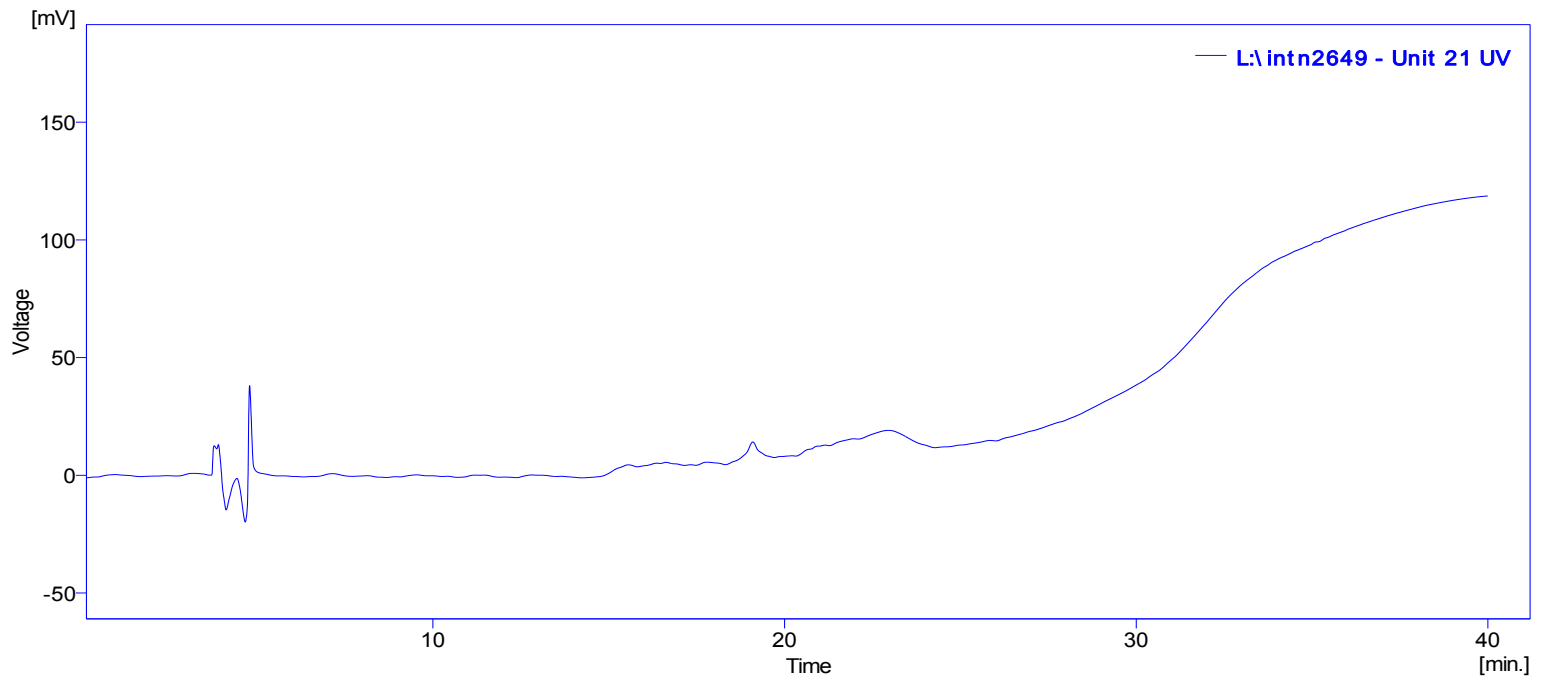
MC-2355
Potassium octyl hydroxamate, [1-14C]-
Lot 211-010-0585-A-20100901-JH

Chromatogram Info:

File Name : L:\intn2649 File Created : 5/20/2014 4:00:13 PM
 Origin : Acquired, Acquisition started 9/17/2010 10:55:03 AM Acquired Date : 9/17/2010 11:35:02 AM
 Project : Work1 By : Administrator

Method : Unit_21_40_min_run By : Administrator
 Description : UV trace of 14C material alone
 Created : 4/17/2008 10:21 AM Modified : 5/20/2014 4:08 PM

Column : Detection : UV 240nm
 Mobile Phase : Temperature :
 Flow Rate : Pressure :
 Note :



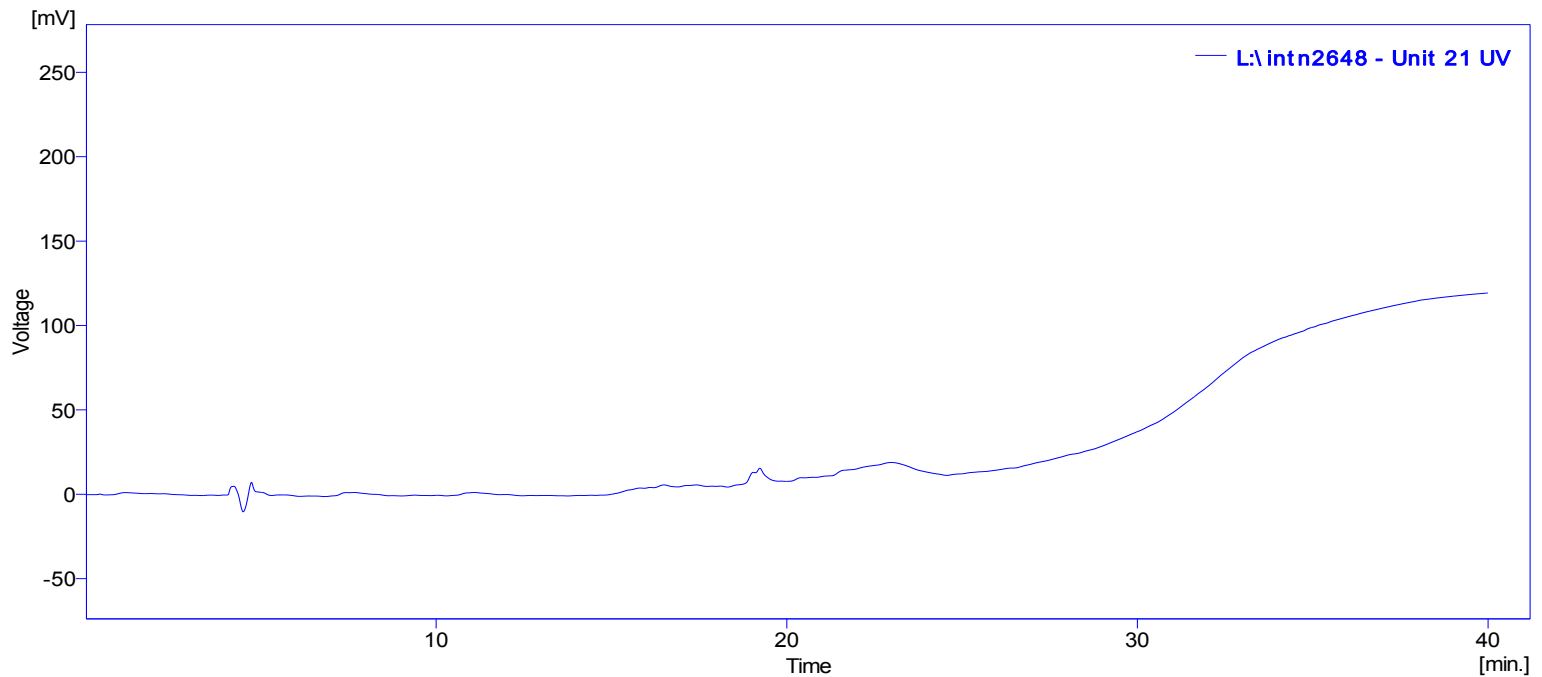
Result Table (Uncal - L:\intn2649 - Unit 21 UV)

| 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 | | | | | | | | | | | |

MC-2355
Potassium octyl hydroxamate, [1-14C]-
Lot 211-010-0585-A-20100901-JH

Chromatogram Info:

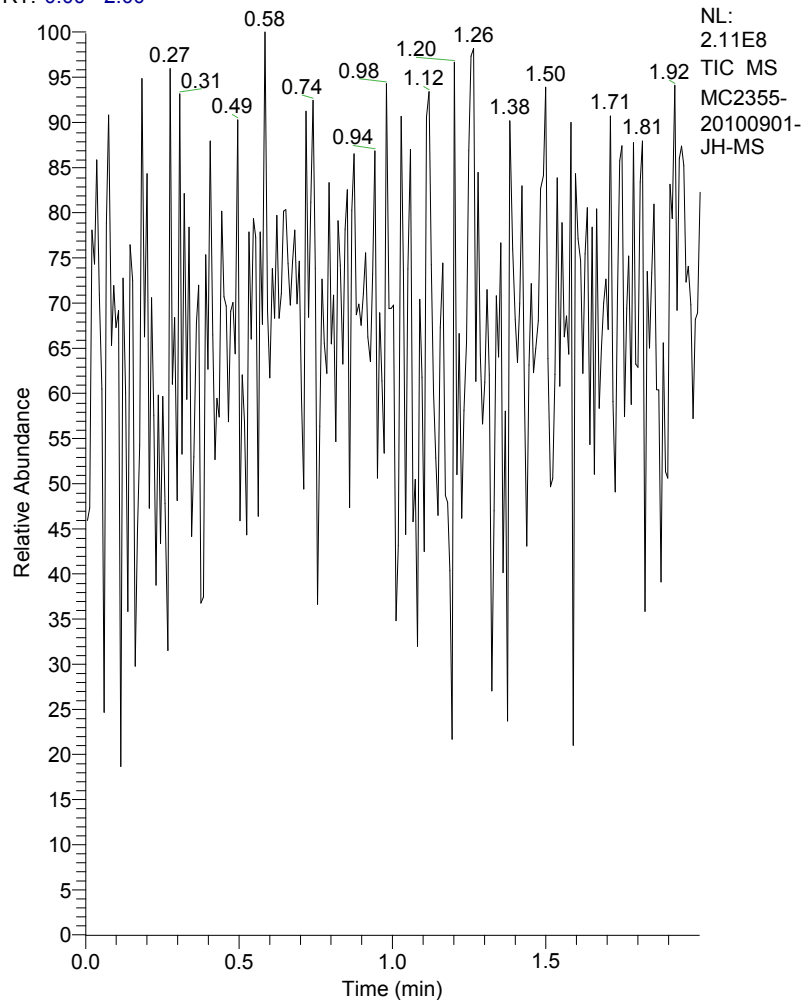
File Name : L:\intn2648 File Created : 5/20/2014 4:00:13 PM
Origin : Acquired, Acquisition started 9/17/2010 9:59:37 AM Acquired Date : 9/17/2010 10:39:36 AM
Project : Work1 By : Administrator
Method : Unit_21_40_min_run By : Administrator
Description : UV trace of blank injection
Created : 4/17/2008 10:21 AM Modified : 5/20/2014 4:10 PM
Column : Detection : UV 240nm
Mobile Phase : Temperature :
Flow Rate : Pressure :
Note :



Result Table (Uncal - L:\intn2648 - Unit 21 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 - 2.00

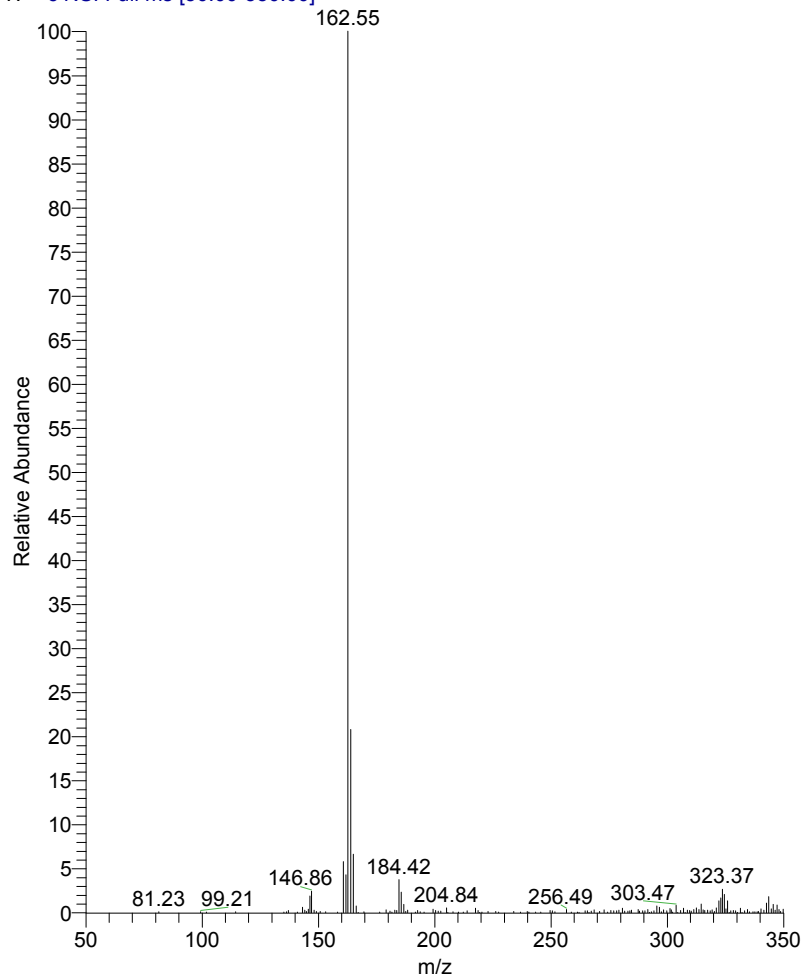
MC2355-20100901-JH-MS#1-265 RT:
T: + c NSI Full ms [50.00-350.00]

m/z= 133.79-190.69

| m/z | Intensity | Relative |
|--------|------------|----------|
| 146.44 | 2286705.6 | 3.35 |
| 147.34 | 353699.3 | 0.52 |
| 157.42 | 206921.7 | 0.30 |
| 160.48 | 4446765.0 | 6.51 |
| 161.42 | 1202094.4 | 1.76 |
| 162.45 | 68335070.3 | 100.00 |
| 163.43 | 9012233.3 | 13.19 |
| 164.40 | 4125362.9 | 6.04 |
| 165.34 | 1745195.1 | 2.55 |
| 166.33 | 1028051.6 | 1.50 |
| 167.34 | 640519.5 | 0.94 |
| 168.36 | 405023.1 | 0.59 |
| 169.27 | 316169.4 | 0.46 |
| 171.15 | 214343.8 | 0.31 |
| 184.42 | 2982922.5 | 4.37 |
| 185.35 | 755080.3 | 1.10 |
| 186.27 | 461742.0 | 0.68 |
| 187.12 | 356084.7 | 0.52 |
| 188.04 | 272363.7 | 0.40 |
| 188.94 | 214188.7 | 0.31 |

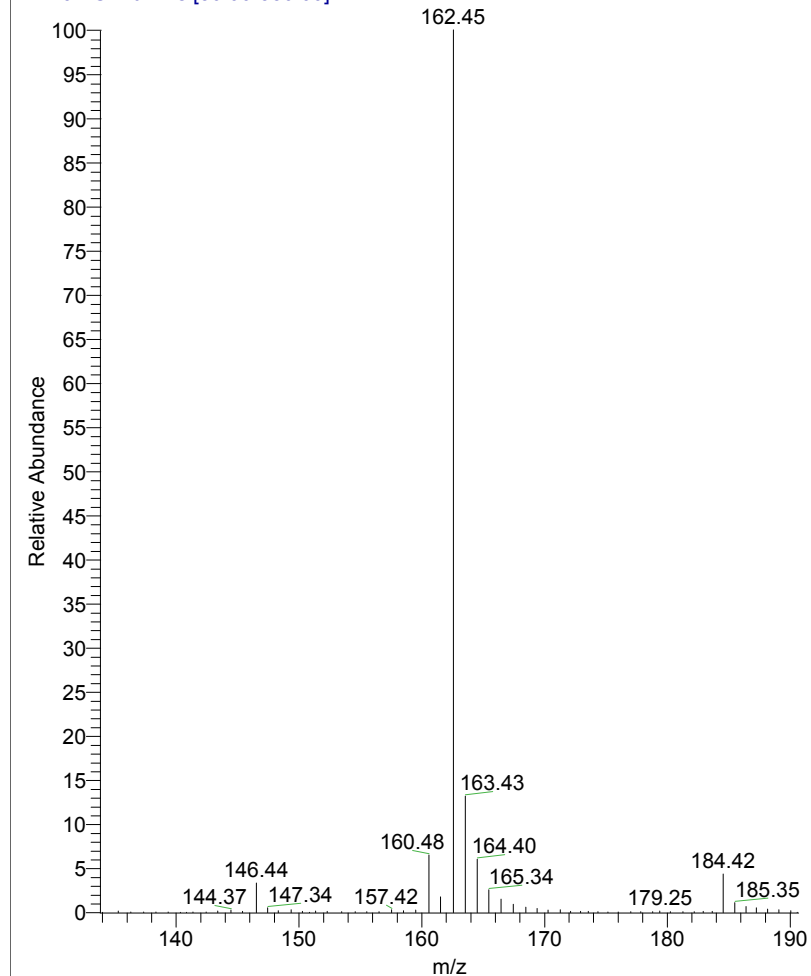
MC2355-20100901-JH-MS #265 RT: 2.00 AV: 1 NL: 9.05E7

T: + c NSI Full ms [50.00-350.00]



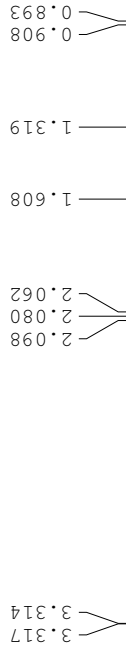
MC2355-20100901-JH-MS #1-265 RT: 0.01-2.00 AV: 265 NL: 6.83E7

T: + c NSI Full ms [50.00-350.00]



MC2355

Octyl hydroxamate, [1-14C]- 1H NMR in MeOD
Batch# 20100901-JH



MC2355
NAME
EXPNO 1
PROCNO 1
Date_ 20100917
Time 14.10
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 128
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 294.7 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 400.1300062 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

