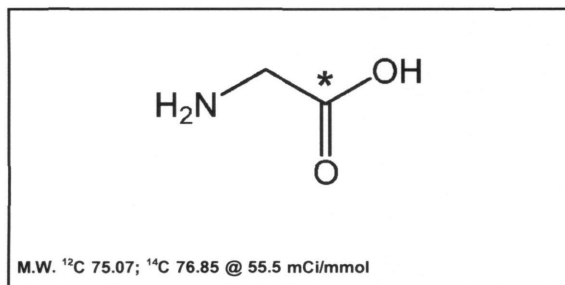




Product Data Sheet

MC-1109

Glycine, [1-¹⁴C]-



Lot #: 542-148-0555-A-20080225-SB

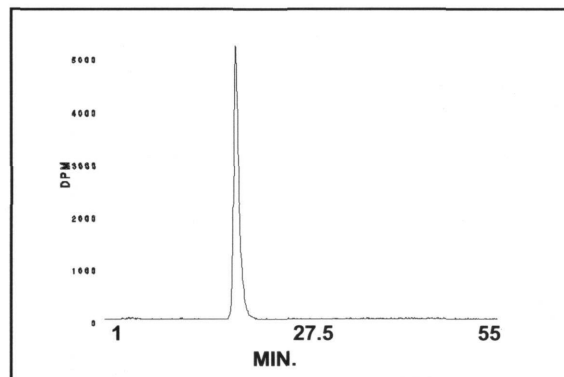
Specific Activity: 55.5 mCi/mmol

Concentration: 0.1 mCi/ml; 138.47 µg/ml

Packaged in: 0.01N HCl solution

Date of Analysis: June 2, 2010

Radiochemical Purity: 98.9%



HPLC ANALYSIS LOT 542-148-0555-A-20080225-SB
File Name: INTB4182 Date and Time: 6/2/2010 4:24:06 PM
Unit 11 Radio

Peak #	Area %	Time	Area
1	0.79	3.48670	225.78463
2	98.98	18.68670	28303.77117
3	0.18	21.02330	52.44254
4	0.05	21.72330	14.00033
Totals	100.00		28595.99867

Stability and Storage Recommendation: The rate of decomposition is approximately 0.1%/month for the first 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-1109

Glycine, [1-¹⁴C]-

Lot 542-148-0555-A-20080225-SB

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

Concentrations and volumes:

Glycine, [1-¹⁴C]- concentration was 50.0 $\mu\text{Ci/ml}$.

Volume of **Glycine, [1-¹⁴C]-** injection was 1.0 μl .

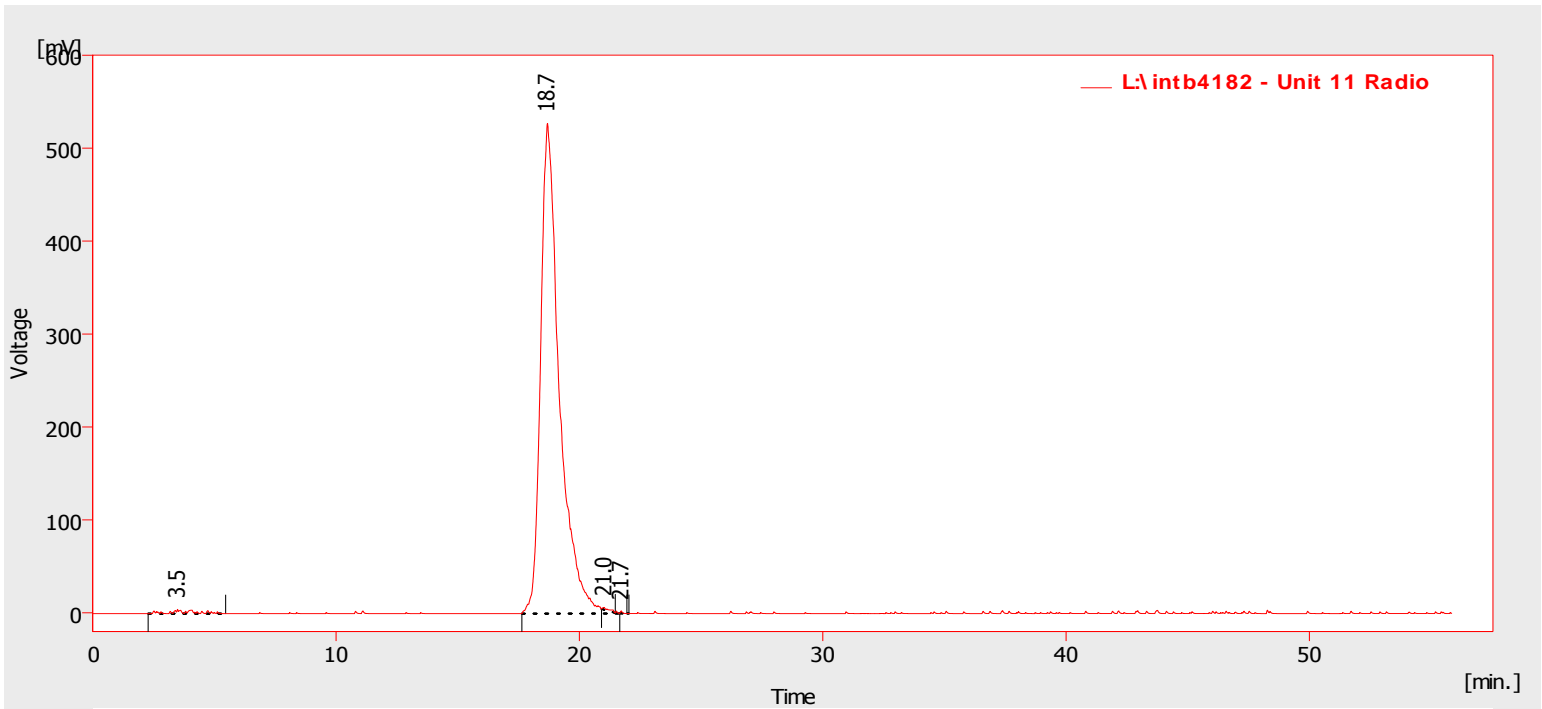
B) Mass spectrometry – Positive mode

C) NMR

MC-1109
Glycine, [1-14C]-
Lot 542-148-0555-A-20080225-SB

Chromatogram Info:

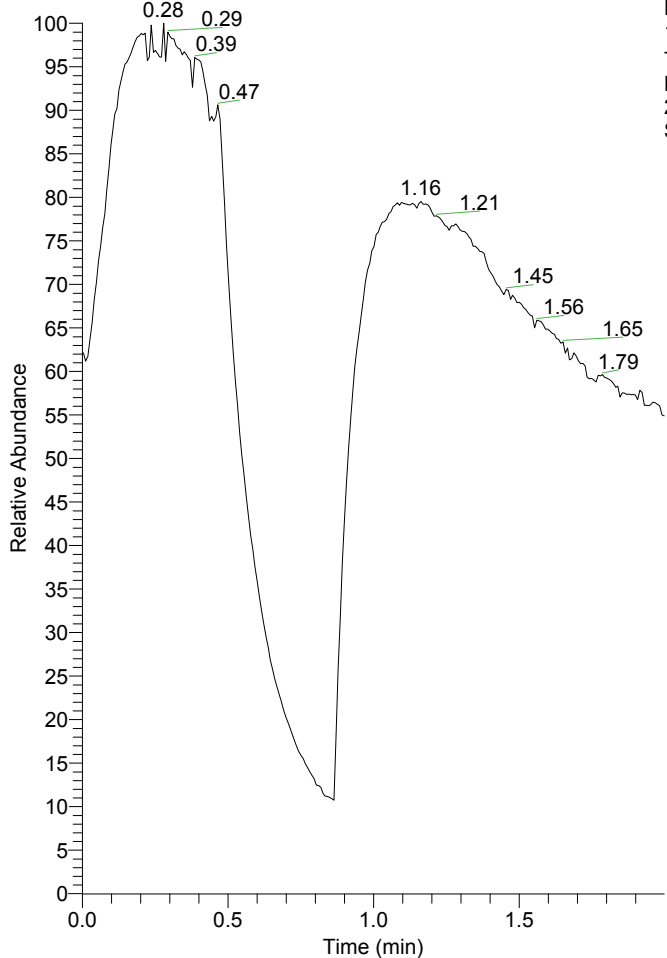
File Name	: L:\intb4182	File Created	: 6/2/2010 3:52:18 PM
Origin	: Acquired	Acquired Date	: 6/2/2010 4:24:06 PM
Project	: Test	By	: Administrator
Method	: Unit11_70_min_run	By	: Administrator
Description	: Radiochemical trace of Glycine, [1-14C]-	Modified	: 8/23/2010 4:20 PM
Created	: 7/30/2007 10:00 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intb4182 - Unit 11 Radio)

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	3.487	225.785	4.577	0.79	0.9	0.07
2	18.687	28303.771	527.247	98.98	98.1	0.73
3	21.023	52.443	2.588	0.18	0.5	0.14
4	21.723	14.000	2.823	0.05	0.5	0.08
	Total	28595.999	537.234	100.00	100.0	

RT: 0.00 - 2.00



NL:
1.31E7
TIC MS
MC1109-
20080225-
SB-MS

MC1109-20080225-SB-MS#1-271 RT: 0.00-2.00

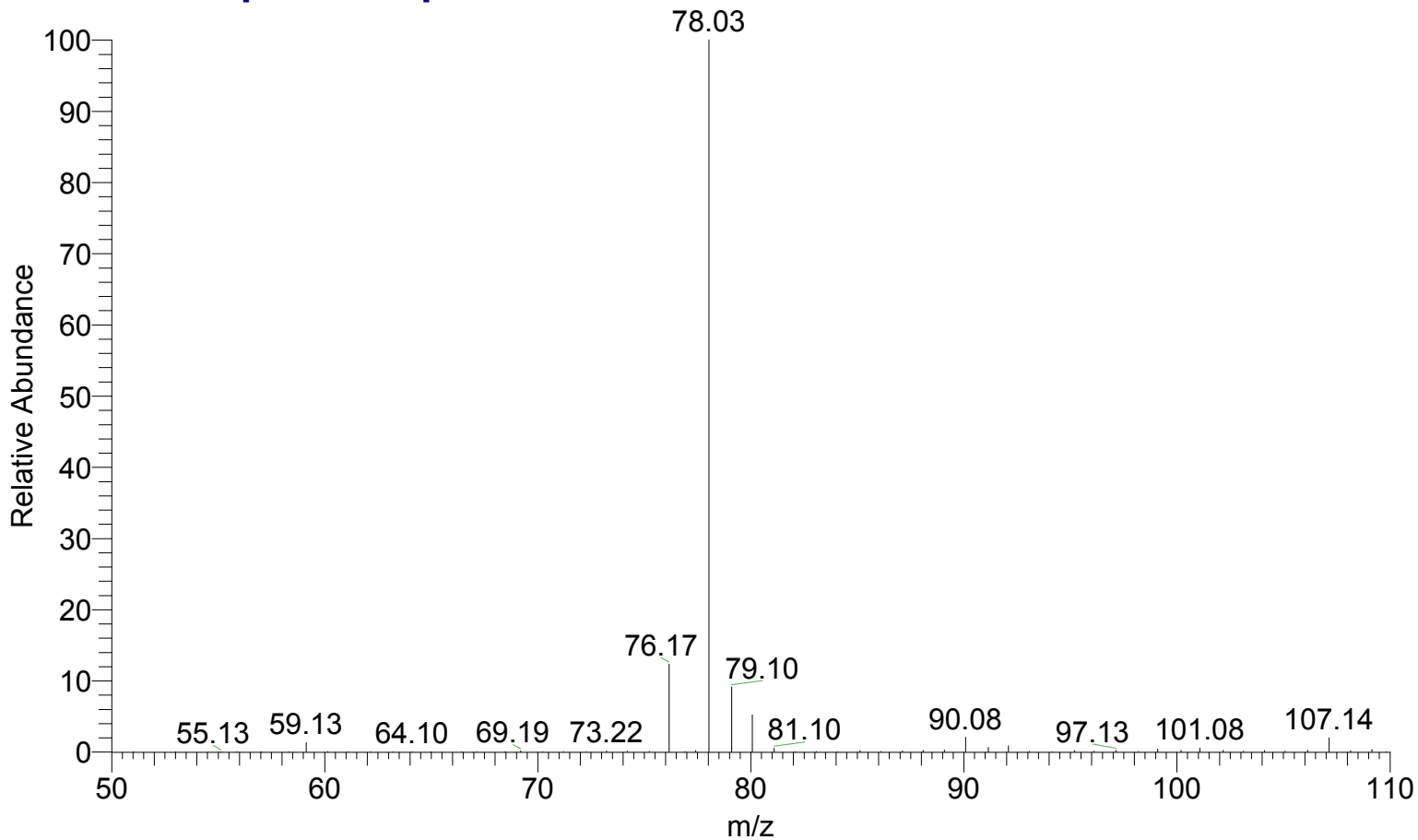
T: + c NSI Full ms [50.00-110.00]

m/z = 74.85-83.30

m/z	Intensity	Relative
75.23	3858.9	0.06
76.17	761009.2	12.31
76.89	24.0	0.00
77.41	10697.8	0.17
78.03	6182426.4	100.00
79.10	565392.2	9.15
80.07	322365.3	5.21
81.10	30994.6	0.50
82.09	292.5	0.00
83.07	3474.7	0.06

MC1109-20080225-SB-MS #1-271 RT: 0.00-2.00 AV: 271 NL: 6.18E6

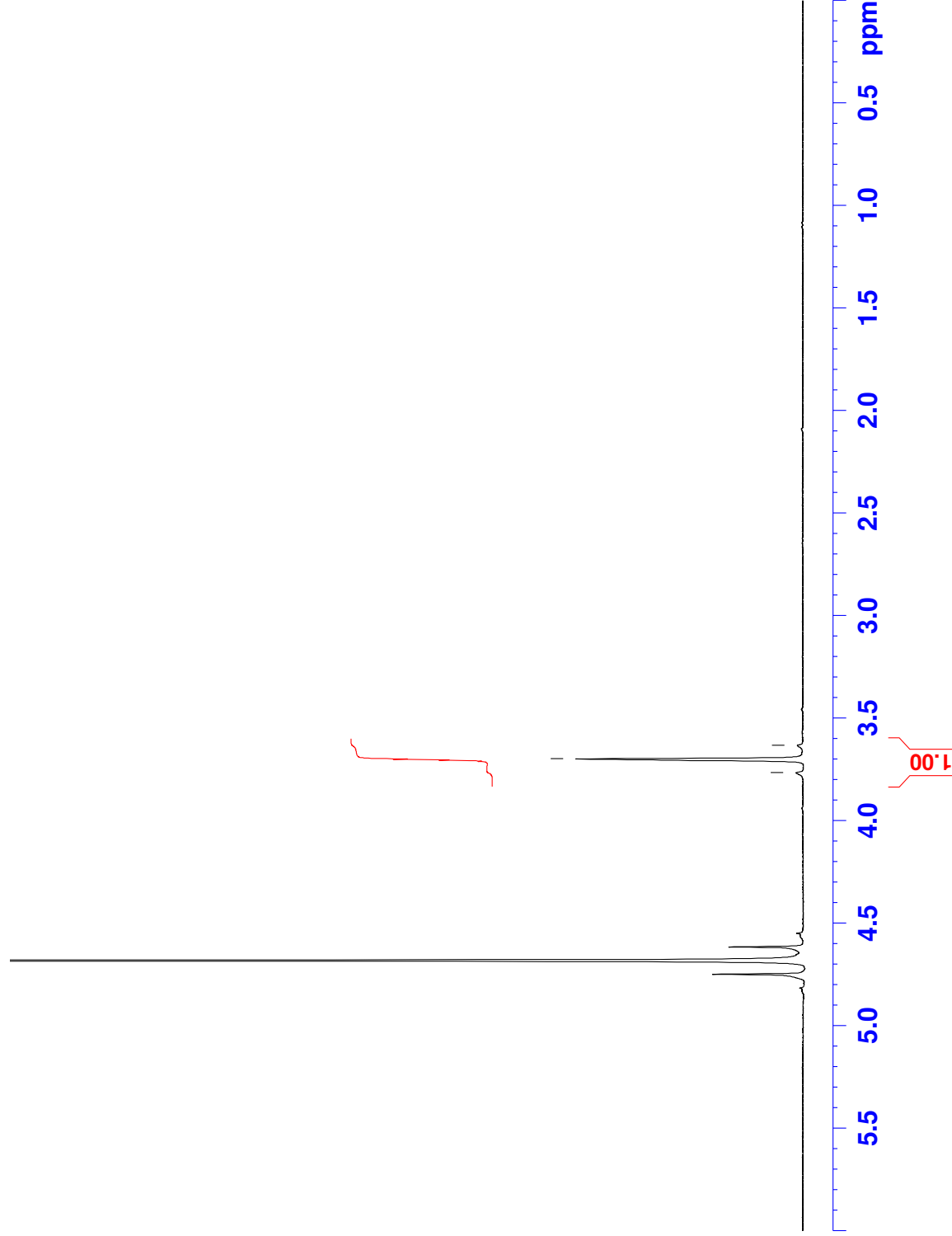
T: + c NSI Full ms [50.00-110.00]



MC1109 1H HMR in D2O
Batch 20080225-SB



7.66
6.98
6.69
6.39



Current Data Parameters
NAME MC1109
EXPNO 1
PROCNO 1

F2 - Acquisition Parameter
Date_ 20081229
Time 15.16
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg30
TD 65536
SOLVENT D2O
NS 1000
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 se
RG 362
DW 81.000 us
DE 6.00 us
TE 320.0 K
D1 1.00000000 se
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 10.25 us
PL1 0.00 dB
SFO1 300.1318534 MH

F2 - Processing parameters
SI 32768
SF 300.1300051 MH
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00