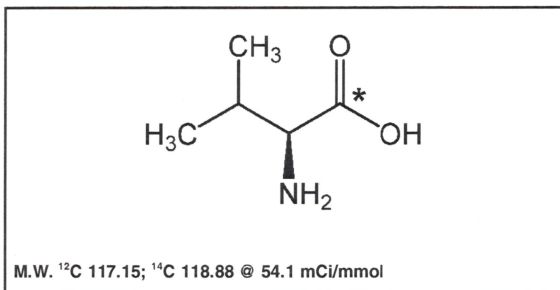


## Certificate of Analysis

**MC-1133**

**L-Valine, [1-<sup>14</sup>C]-**



**Lot #:** 375-050-0541-A-20110122-SB

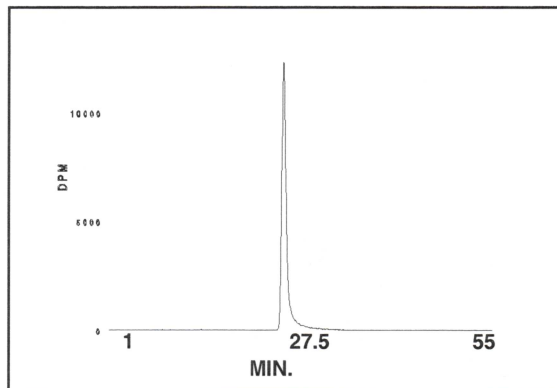
**Specific Activity:** 54.1 mCi/mmol

**Concentration:** 0.1 mCi/ml; 219.75 µg/ml

**Packaged in:** 0.01N HCl solution

**Date of Analysis:** October 15, 2019

**Radiochemical Purity:** 99.2%



**HPLC ANALYSIS LOT 375-050-0541-A-20110122-SB**

File Name: int64128 Date and Time: 10/15/2019 2:29:25 P  
Unit 6 Radio

Peak #	Area %	Time	Area
1	99.16	25.09500	59623.52841
2	0.06	26.81170	35.86807
3	0.07	27.21000	39.94131
4	0.13	27.91000	77.70071
5	0.05	28.43000	31.00683
6	0.04	29.16330	26.20292
7	0.08	29.61330	50.77254
8	0.12	30.23170	72.31373
9	0.23	31.36000	138.24594
10	0.05	32.71500	30.25794
Totals	100.00		60125.83840

**Stability and Storage Recommendation:** Store at 0-5°C.

**Caution:** This material was manufactured under research grade conditions and is intended for investigational or manufacturing use only. It is pharmaceutically unrefined and is not suitable for use in humans or clinical diagnosis. Responsibility for its use and compliance with federal law rests solely with the purchaser. If the compound and/or any associated information/documentation derived from its use could be used for any potential future filings, research grade is not recommended.