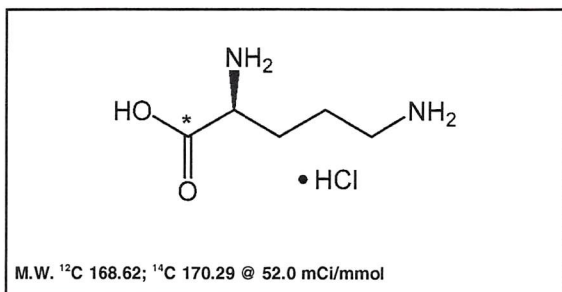


Certificate of Analysis

MC-161

L-Ornithine hydrochloride, [1-¹⁴C]-



Lot #: 392-156-052-A-20060522-SB

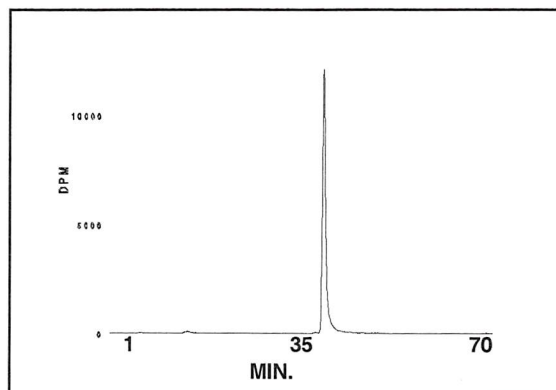
Specific Activity: 52.0 mCi/mmol

Concentration: 0.1 mCi/ml; 327.47 µg/ml

Packaged in: 0.01N HCl solution

Date of Analysis: June 12, 2019

Radiochemical Purity: 98.2%



HPLC ANALYSIS LOT 392-156-052-A-20060522-SB

File Name: int63973 Date and Time: 6/12/2019 11:52:38 A
Unit 6 Radio

| Peak # | Area % | Time | Area |
|--------|--------|----------|-------------|
| 1 | 1.06 | 14.26670 | 572.51757 |
| 2 | 0.28 | 37.70670 | 152.31480 |
| 3 | 98.19 | 39.15670 | 53063.72748 |
| 4 | 0.06 | 41.22170 | 34.07174 |
| 5 | 0.16 | 42.17330 | 84.10954 |
| 6 | 0.25 | 43.95500 | 133.93259 |
| Totals | 100.00 | | 54040.67372 |

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

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.