



## CERTIFICATE OF ANALYSIS

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### 1. Identification

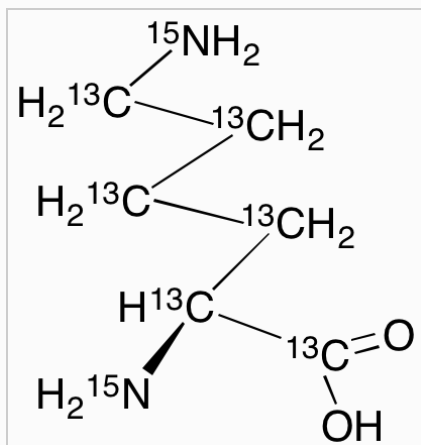
**Catalogue Number:** L488533

**CAS Number:** 1200447-00-2

**Product:** L-Lysine-13C6,15N2 Hydrochloride

**Synonym:** L-Lysine-1,2,3,4,5,6-13C6-N2,N6-15N2, Hydrochloride; (S)-2,6-Diaminohexanoic acid-13C6,15N2 hydrochloride; 13C and 15N Labeled Lys; 13C and 15N Labeled Lysine Hydrochloride; SILAC Amino Acid;

**Structure:**



**Molecular Formula:**

$^{13}\text{C}_6\text{H}_{14}^{15}\text{N}_2\text{O}_2 \cdot (\text{HCl})$

**Molecular weight:**

154.13 + (36.46)

**Source of Product:**

N/A

**Solubility:**

Aqueous Acid (Slightly),  
Water (Sparingly)

**Lot Number:** 5-SUM-187-1

**Purity:** 98%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.2%
Elemental Analysis	Conforms	%C: 35.25, %H: 8.21, %N: 12.77
HPLC Purity	Report Result	100.00% (ELSD)

**Additional Information:**

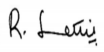
Normalized Intensity: d0 = 0.00%, d1 = 0.00%, d2 = 0.00%, d3 = 0.00%, d4 = 0.00%, d5 = 0.00%, d6 = 0.00%, d7 = 6.06%, d8 = 93.94%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

**Reviewed By**

Swathi Reddy



**Reviewed By**

Toni Rantanen



**C of A Approved  
By**

Chanell Chu



**Test Date**

5/26/2023

**Retest Date**

5/24/2027