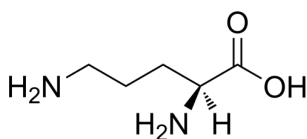


## Certificate of Analysis

### Compound Information

Product Name:	L-Ornithine (hydrochloride)
Cat. No.:	1029374
CAS No.:	3184-13-2
Molecular Formula:	C <sub>5</sub> H <sub>13</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	168.62
Chemical Structure:	



HCl

### Batch Information

Batch No.:	Lf0925171045
Storage:	2-8°C, sealed storage, away from moisture and light
Test Date:	2022-09-25
Retest Date:	2025-09-24
Origin:	Shanghai, China

### QC Summary

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Optical Rotation:	Consistent with structure
Assay (QNMR):	99.91%
Water(KF):	0.17%
Residue on Ignition:	0.01%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

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