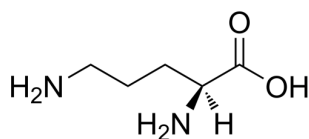


Certificate of Analysis

Compound Information

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



HCl

Batch Information

Batch No.:	Lf0517134105
Storage:	2-8°C, sealed storage, away from moisture and light
Test Date:	2022-05-17
Retest Date:	2025-05-16
Origin:	Shanghai, China

QC Summary

Appearance:	White to off-white (Solid)
¹ H NMR Spectrum:	Consistent with structure
Assay (QNMR):	97.85%
Water(KF):	0.05%
Residue on Ignition:	0.10%
OR[α](C=1.01g/100ml H₂O):	11.93°
Conclusion:	The product has been tested and complies with the given specifications.

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

Tel: 400-821-0725

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai