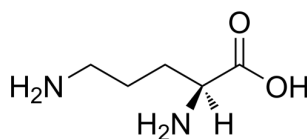


Certificate of Analysis

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.: | Le032965240 |
| Storage: | 2-8°C, sealed storage, away from moisture and light |
| Test Date: | 2021-03-29 |
| Retest Date: | 2024-03-28 |
| Origin: | Shanghai, China |

QC Summary

| | |
|------------------------------------|---|
| Appearance: | White to off-white (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| Optical Rotation: | Consistent with structure |
| Purity (NMR): | ≥98.0% |
| Water(KF): | 0.11% |
| Residue on Ignition: | 0.05% |
| 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

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