

Product Name: L-Ornithine hydrochloride
Catalog Number: J60241.22

CAS Number: 3184-13-2
IUPAC Name: hydrogen 2,5-diaminopentanoic acid chloride
Molecular Formula: C₅H₁₃ClN₂O₂
Molecular Weight: 168.62
InChI Key: GGTyBzJRPHEQDG-UHFFFAOYNA-N
SMILES: [H+].[Cl-].NCCCC(N)C(=O)O
Synonym: ornithine hcl

Product Specification

Appearance (Color): White to off-white
Form: Crystals or crystalline powder
Heavy Metals: ≤10 ppm
Loss on Drying: ≤0.5%
pH: 5.0-6.0
Impurity content: Ammonium: ≤0.02%
Impurity content: Iron: ≤10 ppm
Assay from Supplier's CoFA: ≥98.0%
Residue on ignition: ≤0.1%
Assay (special): Other Amino Acids: None Detected
Impurity content: Sulfate: ≤0.02%
Optical Rotation: +23 to +25°

Date Of Print: 04/26/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.