

Catalog Number: J17080.22

CAS Number: 5934-29-2
IUPAC Name: hydrogen (2S)-2-amino-3-(1H-imidazol-5-yl)propanoic acid hydrate chloride
Molecular Formula: C₆H₁₂CIN₃O₃
Molecular Weight: 209.63
InChI Key: CMXXUDSWGMGYLZ-XRIGFGBMSA-N
SMILES: [H+].O.[Cl-].N[C@@H](CC1=CN=CN1)C(O)=O
Synonym: hydrogen L-histidine hydrate chloride

Product Specification

Form: White crystalline powder
Assay (unspecified): ≥ 98.0%
Optical Rotation: +9.2? to 10.6? (c=11 in 6N HCl)
Thin Layer Chromatography: Homogeneous
Trace Metal: Iron (Fe): ≤ 30 ppm
Assay (unspecified): Ammonium (NH₄): ≤ 0.02%
Identification (FTIR): Conforms
Loss on Drying: ≤ 0.3%
Residue on ignition: ≤ 0.10%
Impurity content: Sulfate (SO₄): ≤ 0.03%
Trace Metal: Arsenic (As₂O₃): ≤ 1 ppm

Date Of Print: 10/05/2024

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