

Product Name: L-Cystine dihydrochloride, 98%
Catalog Number: J63717.30

CAS Number: 30925-07-6
IUPAC Name: dihydrogen (2R)-2-amino-3-[(2-amino-2-carboxyethyl)disulfanyl]propanoic acid dichloride
Molecular Formula: C₆H₁₄Cl₂N₂O₄S₂
Molecular Weight: 313.21
InChI Key: HHGZUQPEIHGQST-VBCXBIGUSA-N
SMILES: [H+].[H+].[Cl-].[Cl-].NC(CSSC[C@H](N)C(O)=O)C(O)=O
Synonym: dihydrogen (2R)-2-amino-3-[(2-amino-2-carboxyethyl)disulfanyl]propanoic acid dichloride

Product Specification

Appearance (Color): White to pale yellow
Form: Crystalline powder
Assay (Titration): ≥97.5% (dried basis)
Loss on Drying: ≤1.0%
Infrared spectrum: matches reference
Heavy Metals: (as Pb): ≤20ppm
Residue on ignition: <0.10%
Chloride content: 22.07-23.50%

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.