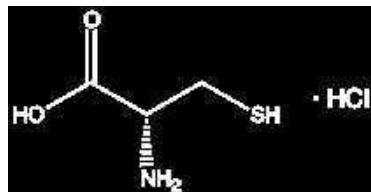


L-CYSTEINE HYDROCHLORIDE ANHYDROUS

Cl0305 L-Cysteine hydrochloride anhydrous, EssentQ®



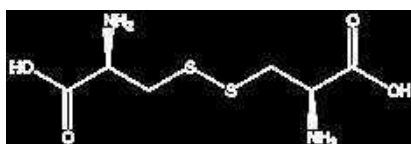
- Synonyms: Thioserine
- C₃H₇NO₂S·HCl
- M = 157,62 g/mol
- CAS [52-89-1]
- EINECS-No.: 200-157-7
- Solub. in water: (20 °C): soluble
- Melting point: 175 - 178 °C (decomposes)
- Tariff number: 2930 90 16 00
- Applications: in biochemistry, in food industry, antioxidant.

assay (argentometric) min. 98 %
 identity (IR-spectrum) passes test
 specific rotation. ([α]_D²⁰, c=1,
 0,1N HCl) + 4 ° - + 7 °
 phosphates (as PO₄) max. 0,005 %
 sulfates (SO₄) max. 0,005 %
 ammonium (NH₄) max. 0,01 %
 arsenic (As) max. 5 ppm
 heavy metals (as Pb) max. 0,001 %
 iron (Fe) max. 0,0005 %
 residue on ignition max. 0,03 %
 loss on drying (vacuum on P₂O₅) max. 2 %

ART. NO.	VOLUME	CONTAINER
Cl03050025	25 g	0
Cl03050100	100 g	0

L-CYSTINE

Cl0315 L-Cystine, extra pure, Pharpur®, Ph Eur, BP

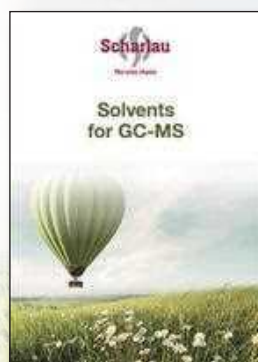


- Synonyms: Dicysteine
- C₄H₈N₂O₂S₂
- M = 240,30 g/mol
- CAS [56-89-3]
- EINECS-No.: 200-296-3
- Solub. in water: (20 °C): 0,1 - 0,2 g/l
- Melting point: 261 - 262 °C (decomposes)
- LD 50 (oral, rat): 11200 mg/kg
- Tariff number: 2930 90 13 90
- Applications: in biochemistry, synthesis of organic products, in pharma industry.

assay (bromometric, referred to
 dried sample) 98,5 - 101,0 %
 identification passes test
 appearance of solution passes test
 specific rotation ([α]_D²⁰, c = 2, HCl, 103 g/l, on dried
 sample) - 224 ° - - 218 °
 chlorides (Cl) max. 200 ppm
 sulfates (SO₄) max. 200 ppm
 ammonium (NH₄) max. 0,02 %
 iron (Fe) max. 10 ppm
 ninhydrin-positive substances passes test
 residue on ignition max. 0,1 %
 loss on drying (105 °C) max. 0,2 %
 Elemental impurities are analysed according to guideli-
 ne CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline
 CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
Cl03150100	100 g	0

Solvents for GC-MS



Download here the leaflet

- Chromatograms with minimal signal-to-noise ratio
- Simpler and cleaner spectra
- Wide comprehensive application area
- Saving in equipment maintenance
- Tested by GC-MS