

Analytical Data Sheet

Lot number **1000029097**
not for drug use

Catalog number **E-2965.0001**
Product number **4017817.0001**
Product **(Ac- Cys- OH)₂**
(Disulfide bond)
Molecular formula **C₁₀H₁₆N₂O₆S₂**
Relative molecular mass **324.38**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetic acid 80%)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.34% D-enantiomer
Assay (elemental analysis)	95.1% (Nth: 8.64%, Nfd: 8.22%)
Assay (titration)	103.5% (TBAH)
Water content (KF volumetric)	0.7%
Acetic acid content (IC)	0.90%

Latest update: February 26, 2020

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