

Analytical Data Sheet

Lot number

1028150

not for drug use

Catalog Number	E-2930.0025
Product number	4015634.0025
Product	H- Cys(Trt) - NH₂
Molecular formula	C₂₂H₂₂N₂OS
Relative molecular mass	362.50

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in ethylacetate)
Identification (TLC)	complies with authentic material
Melting point	122 ° C
Purity (TLC)	> 99%
Related impurities (TLC)	< < 0.5% H-Cys (Trt)-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 plate: silicagel 60 F ₂₅₄ detected by: UV, chlorine-tolidine, ninhydrin
Enantiomer content (GC)	0.2% D-Enantiomer
Assay (titration)	98.6% (HClO ₄)
Water content (KF volumetric)	0.5%
Latest update: December 15, 2009	