

## Analytical Data Sheet

Lot number **1000007134**  
not for drug use

Catalog number **E-2930.0005**  
Product number **4015634.0005**  
Product **H- Cys(Trt) - NH<sub>2</sub>**  
Molecular formula **C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>OS**  
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	123 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.5% H-Cys(Trt)-OH
TLC conditions	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/10/3/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-Enantiomer
Assay (titration)	99.1% (HClO <sub>4</sub> )
Water content (KF volumetric)	< 0.1%

Latest update: October 09, 2018

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