

## Analytical Data Sheet

Lot number **1000013653**  
not for drug use

Catalog number **E-2860.0025**  
Product number **4016470.0025**  
Product **(H- Cys- OEt)<sub>2</sub> · 2 HCl**  
**(Disulfide bond)**  
Molecular formula **C<sub>10</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub> · 2 HCl**  
Relative molecular mass **369.33**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -38.0^\circ$ (1 % in Acetic acid 80%)
Purity (TLC)	≥ 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.1%(Nth 7.58%, Nfd 7.51%)
Chloride content (titration)	19.2%

Latest update: March 15, 2019

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