

Analytical Data Sheet

Lot number **1066801**
not for drug use

Catalog number **E-1765.0100**
Product number **4002631.0100**
Product **(H- Cys- OMe)₂ · 2 HCl**
(Disulfide bond)
Molecular formula **C₈H₁₆N₂O₄S₂ · 2HCl**
Relative molecular mass **341.28**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	176 °C
Specific optical rotation	$[\alpha]_D^{24} = -47.6^\circ$ (1% in methanol)
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	100.5% (Cth 28.16%, Cfd 28.31%)
Water content (KF coulometric)	0.2%
Chloride content (titration)	20.7% (Cl ⁻ th 21.4%)

Latest update: July 11, 2016

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