

## Analytical Data Sheet

Lot number **1074042**  
not for drug use

Catalog number **E-3465.0005**  
Product number **4028317.0005**  
Product **(H- Cys- allyl ester)<sub>2</sub> · 2 p- tosylate  
(Disulfide bond)**  
Molecular formula **C<sub>12</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub> · 2C<sub>7</sub>H<sub>8</sub>O<sub>3</sub>S**  
Relative molecular mass **664.84**

Tests	Results
Appearance	beige powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 320.4u (average mass)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 97%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.9% (Cth 46.97%, Cfd 46.92%)
Water content (KF volumetric)	0.9%

Latest update: October 31, 2017

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