

Analytical Data Sheet

Lot number **1000032067**
not for drug use

Catalog number **E-2395.0025**
Product number **4001336.0025**
Product **H- Ser- OMe · HCl**
Molecular formula **C₄H₉NO₃ · HCl**
Relative molecular mass **155.58**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	156 °C
Specific optical rotation	$[\alpha]_D^{24} = + 4.5^\circ$ (1.8% in methanol)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Ser-OH · HCl
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.9% (Cth 30.88%, Cfd 30.85%)
Water content (KF volumetric)	0.1%
Chloride content (titration)	96.5%

Latest update: May 06, 2020

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