

Analytical Data Sheet

Lot number **1000032993**
not for drug use

Product Ac-Lys-NHMe
Product number **4000925.1000**
Molecular formula $C_9H_{19}N_3O_2$
Relative molecular mass 201.27

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -15.3^\circ$ (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 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	96.8% (HClO ₄)
Water content (KF volumetric)	0.8%

Latest update: June 23, 2020

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