

Analytical Data Sheet

Lot number **1069293**
not for drug use

Catalog number **E-2705.0025**
Product number **4015284.0025**
Product **H- Lys(Ac) - OH**
Molecular formula **C₈H₁₆N₂O₃**
Relative molecular mass **188.23**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in 80% acetic acid)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +19.00^\circ$ (1% in acetic acid)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.8% (Nth 14.88%, Nfd 14.85%)
Water content (KF volumetric)	0.2%

Latest update: January 03, 2017

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