

Analytical Data Sheet

Lot number **1000012681**
not for drug use

Catalog number **E-2615.0005**
Product number **4008182.0005**
Product **H- Lys(Tfa) - OH**
Molecular formula **C₈H₁₃F₃N₂O₃**
Relative molecular mass **242.20**

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	$[\alpha]_D^{24} = + 11.9^\circ$ (2 % AcOH 50%)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Lys-OH
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-Enantiomer
Other amino acids (GC)	< 0.3
Assay (elemental analysis)	99.1% (Nth 11.57%, Nfd 11.47%)
Water content (KF volumetric)	< 0.1%

Latest update: February 20, 2019

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