

## Analytical Data Sheet

Lot number **1058311**  
not for drug use

Catalog number **E-2615.0025**  
Product number **4008182.0025**  
Product **H- Lys(Tfa) - OH**  
Molecular formula **C<sub>8</sub>H<sub>13</sub>F<sub>3</sub>N<sub>2</sub>O<sub>3</sub>**  
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 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/60/12/36 chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-Enantiomer
Other amino acids (GC)	< 0.3
Assay (elemental analysis)	99.4% (Nth 11.57%, Nfd 11.51%)
Water content (KF volumetric)	< 0.1%

Latest update: March 31, 2015

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