

Analytical Data Sheet

Lot number	1000035646 not for drug use
Product	H-Lys(Boc)-OH
Product number	4000211.0005
Molecular formula	C ₁₁ H ₂₂ N ₂ O ₄
Relative molecular mass	246.31

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% acetic acid)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	<0.1% H-Lys-OH
TLC conditions	ethylacetate/pyridine/acetic acid/ H ₂ O 60/60/12/36 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
Enantiomer content (GC)	< 0.1% D-enantiomer
Assay (elemental analysis)	98.0% (Nth 11.37%, Nfd 11.14%)
Water content (KF volumetric)	1.4%

Latest update: August 07, 2020

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