

Analytical Data Sheet

Lot number **1000020328**
not for drug use

Catalog number **A-1610.0005**
Product number **4008005.0005**
Product **Boc- Lys(Fmoc) - OH**
Molecular formula $C_{26}H_{32}N_2O_6$
Relative molecular mass 468.55

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	99.40%(TFA)
Related impurities (HPLC)	0.23% Fmoc-Lys(Fmoc)-OH 0.07% H-Lys(Fmoc)-OH 0.00% Fmoc- β -Ala-OH
Related impurities (TLC)	< 0.1%Boc-Lys-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.10% D-Enantiomer
Assay (titration)	99.2% (TBAH)
Water content (KF volumetric)	< 0.1%
Acetic acid content (IC)	45 mg/kg

Latest update: August 16, 2019

Analytical Data Sheet
Lot number **1000020328**