

Analytical Data Sheet

Lot number **1063473**
not for drug use

Catalog number **A-1610.0001**
Product number **4008005.0001**
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 (50 mg/ml in methanol) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (elemental analysis)	Theory Found C = 66.7 % C = 66.6 % H = 6.9 % H = 7.1 % N = 6.0 % N = 5.9 %
Identification (TLC)	conforms with authentic material
Purity (HPLC)	99.7% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-Lys(Fmoc)-OH < 0.1% Fmoc- β -Ala-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Lys(Fmoc)-OH · HCl
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	99.6% (TBAH)
Water content (KF volumetric)	0.5%
Acetic acid content (IC)	0.006%