

Analytical Data Sheet

Lot number **1000018024**
not for drug use

Retest date n/a
 Catalog number **B-1870.0001**
 Product number **4014974.0001**
 Product **Fmoc- Lys- OH · HCl**
 Molecular formula $C_{21}H_{24}N_2O_4 \cdot HCl$
 Relative molecular mass 404.89

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol) essentially clear solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material reference lots: 1028765
Purity (HPLC)	98.9% (TFA)
Related impurities (HPLC)	not det.% Fmoc-Lys(Fmoc)-OH not det.% Fmoc-Lys(Boc)-OH
Related impurities (TLC)	< 0.1% H-Lys-OH
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.1% D-enantiomer
Other amino acids (GC)	< 0.2%
Water content (KF volumetric)	0.7%
Chloride content (titration)	95.6% of theoretical (Cl ⁻ th 8.76%, Cl ⁻ fd 8.37%)

Latest update: July 04, 2019

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