

## Analytical Data Sheet

Lot number **1063822**  
not for drug use

Catalog number **B-1870.0025**  
Product number **4014974.0025**  
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)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.3% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-Lys(Boc)-OH < 0.1% Fmoc-Lys(Fmoc)-OH
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 60/30/9/16.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Water content (KF volumetric)	0.4%
Chloride content (titration)	100% of theoretical (Cl <sup>-</sup> th 8.8%)

Latest update: January 15, 2016

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