

Analytical Data Sheet

Lot number **1000019195**
not for drug use

Catalog number **B-3215.0005**
Product number **4028286.0005**
Product **Fmoc- Lys(4- methoxytrityl) - OH**
Molecular formula $C_{41}H_{40}N_2O_5$
Relative molecular mass 640.78

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	slightly yellow solution (50 mg/mL in dioxane) clear, yellowish solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	97.6% Sørensen pH7
Related impurities (HPLC)	0.1% Fmoc- β -Ala-OH
Purity (TLC)	> 97%
Related impurities (TLC)	< 2% Fmoc-Lys-OH * HCl
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	83.2% (TBAH)
Water content (KF volumetric)	0.4%
Acetic acid content (IC)	0.009%

Latest update: July 25, 2019

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