

Analytical Data Sheet

Lot number **1000029829**
not for drug use

Catalog number **B-2900.0025**
Product number **4027977.0025**
Product **Fmoc- D- Lys(Aloc) - OH**
Molecular formula $C_{25}H_{28}N_2O_6$
Relative molecular mass 452.51

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	99.47% (TFA)
Related impurities (HPLC)	< 0.02% (LOQ) Fmoc- β -Ala-OH < 0.02% (LOQ) Fmoc-D-Lys(Fmoc)-OH
Purity (TLC)	$\geq 99\%$
Related impurities (TLC)	< 0.05% Aloc-Lys(Aloc)-OH < 0.05% H-Lys(Aloc)-OH < 0.05% Aloc- β -Ala-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	98.2%(TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	56 mg/kg

Latest update: March 12, 2020

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