

Analytical Data Sheet

Lot number **1055508**
not for drug use

Catalog number **B-3015.0001**
Product number **4027144.0001**
Product **Fmoc- Lys(Dde) - OH**
Molecular formula $C_{31}H_{36}N_2O_6$
Relative molecular mass 532.64

Tests	Results
Appearance	pale yellow powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol) clear, slightly yellowish solution (266mg/mL in (0.5 mmol/mL) DMF)
Identification (TLC)	conforms with authentic material
Purity (HPLC)	98.5% (TFA)
Related impurities (HPLC)	not det. Fmoc- β -Ala-OH
Purity (TLC)	> 98%
Related impurities (TLC)	< < 0.1% Fmoc-Lys-OH
TLC conditions	toluene/dioxane/acetic acid 95/25/4 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	96.2% (TBAH)
Water content (KF volumetric)	0.5%
Acetic acid content (IC)	0.183%
Residual organic solvents (GC)	3.0% ethylacetate