

Analytical Data Sheet

Lot number **1065493**
not for drug use

Catalog number **B-1270.0025**
Product number **4004133.0025**
Product **Fmoc- Lys(Z) - OH**
Molecular formula $C_{29}H_{30}N_2O_6$
Relative molecular mass 502.57

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)
Identification (TLC)	conforms with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -10.0^\circ$ (1 % in DMF)
Purity (HPLC)	99.9% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-Lys(Fmoc)-OH, not detected
Purity (TLC)	> 99%
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	99.6% (TBAH)

Latest update: April 28, 2016

Analytical Data Sheet
Lot number **1065493**