

## Analytical Data Sheet

Lot number **1000019329**  
not for drug use

Catalog number **B-2455.0001**  
Product number **4025319.0001**  
Product **Fmoc- Lys(Boc) (isopropyl) - OH**  
Molecular formula  $C_{29}H_{38}N_2O_6$   
Relative molecular mass 510.64

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_{365}^{24} = +4.5^\circ$ (3% in methanol)
Purity (HPLC)	98.9%
Purity (TLC)	$\geq 99\%$
TLC conditions	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (titration)	96.0% (TBAH)
Water content (KF volumetric)	0.6%

Latest update: July 25, 2019

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