

Analytical Data Sheet

Lot number

1044150

not for drug use

Catalog Number	B-2455.0005
Product number	4025319.0005
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 ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	96.0% (TBAH)
Water content (KF volumetric)	0.6%
Latest update: September 19, 2012	Analytical Data Sheet Lot number 1044150