

Analytical Data Sheet

Lot number **1069232**
not for drug use

Catalog number **B-2620.0001**
Product number **4025957.0001**
Product **Fmoc- D- Lys(Mtt) - OH**
Molecular formula $C_{41}H_{40}N_2O_4$
Relative molecular mass 624.78

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, colorless solution (0.5mmol/mL DMF)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -5.0^\circ$ (1% in methanol)
Purity (HPLC)	99.4% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-D-Lys-OH · HCl < 0.1% Fmoc-D-Lys(Fmoc)-OH not det. Fmoc-β-Ala-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-D-Lys(Mtt)-OH
Enantiomer content (GC)	< 0.1% L-Enantiomer
Assay (titration)	97.8% (TBAH)
Acetic acid content (IC)	0.007%

Latest update: December 23, 2016

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