

Analytical Data Sheet

Lot number **1064140**
not for drug use

Catalog number **B-3000.0001**
Product number **4026740.0001**
Product **Fmoc- D- 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 (elemental analysis)	Theory Found C = 69.3 % C = 69.1 % H = 6.0 % H = 6.3 % N = 5.6 % N = 5.5 %
Identification (TLC)	complies with authentic material
Melting point	115 °C
Specific optical rotation	$[\alpha]_D^{24} = +9.9^\circ$ (1 % in dimethylformamide)
Purity (HPLC)	99.2% (TFA, 260 nm)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine

Latest update: February 04, 2016

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