

Analytical Data Sheet

Lot number **1069309**
not for drug use

Catalog number **B-3050.0001**
Product number **4027404.0001**
Product **Fmoc- D- Lys(Fmoc) - OH**
Molecular formula $C_{36}H_{34}N_2O_6$
Relative molecular mass 590.68

Tests	Results								
Appearance	off-white product (no visible impurities)								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 73.20 %</td><td>C = 72.81 %</td></tr><tr><td>H = 5.80 %</td><td>H = 5.78 %</td></tr><tr><td>N = 4.74 %</td><td>N = 4.57 %</td></tr></tbody></table> <p>calc. as 2 H₂O (3.8 %)</p>	Theory	Found	C = 73.20 %	C = 72.81 %	H = 5.80 %	H = 5.78 %	N = 4.74 %	N = 4.57 %
Theory	Found								
C = 73.20 %	C = 72.81 %								
H = 5.80 %	H = 5.78 %								
N = 4.74 %	N = 4.57 %								
Identification (TLC)	complies with authentic material								
Melting point	144 °C								
Purity (HPLC)	97.8% (TFA, 260 nm)								
Purity (TLC)	> 98%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/ethylacetate/acetic acid 50/50/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								

Latest update: January 03, 2017

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