

Analytical Data Sheet

Lot number **1065107**
not for drug use

Catalog number **B-1000.0005**
Product number **4003161.0005**
Product **Fmoc- His(Fmoc) - OH**
Molecular formula $C_{36}H_{29}N_3O_6$
Relative molecular mass 599.64

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in DMF)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 71.72 %</td><td>C = 71.60 %</td></tr><tr><td>H = 4.91 %</td><td>H = 5.00 %</td></tr><tr><td>N = 6.97 %</td><td>N = 6.82 %</td></tr></tbody></table> calc. as 0.18 H ₂ O = 0.54 % H ₂ O	Theory	Found	C = 71.72 %	C = 71.60 %	H = 4.91 %	H = 5.00 %	N = 6.97 %	N = 6.82 %
Theory	Found								
C = 71.72 %	C = 71.60 %								
H = 4.91 %	H = 5.00 %								
N = 6.97 %	N = 6.82 %								
Identification (TLC)	conforms with authentic material								
Melting point	161 °C								
Specific optical rotation	$[\alpha]_D^{24} = -5.3^\circ$ (1 % in DMF)								
Purity (HPLC)	97.6% (TFA)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								

Latest update: April 04, 2016

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