

Analytical Data Sheet

Lot number **1072299**
not for drug use

Catalog number **A-3975.0005**
Product number **4026806.0005**
Product **Boc- p- amino- Phe(Fmoc) - OH**
Molecular formula $C_{29}H_{30}N_2O_6$
Relative molecular mass 502.57

Tests	Results								
Appearance	off-white powder								
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 = 69.32 %</td><td>C = 69.10 %</td></tr><tr><td>H = 6.02 %</td><td>H = 6.36 %</td></tr><tr><td>N = 5.57 %</td><td>N = 5.65 %</td></tr></tbody></table>	Theory	Found	C = 69.32 %	C = 69.10 %	H = 6.02 %	H = 6.36 %	N = 5.57 %	N = 5.65 %
Theory	Found								
C = 69.32 %	C = 69.10 %								
H = 6.02 %	H = 6.36 %								
N = 5.57 %	N = 5.65 %								
Identification (TLC)	complies with authentic material								
Melting point	128 °C								
Specific optical rotation	$[\alpha]_D^{20} = +28.6^\circ$ (1 % in ethylacetate)								
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: June 22, 2017

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