

Analytical Data Sheet

Lot number **1000019923**
not for drug use

Catalog number **B-2845.0005**
Product number **4026639.0005**
Product **Fmoc- Dap(Aloc) - OH**
Molecular formula $C_{22}H_{22}N_2O_6$
Relative molecular mass 410.43

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (TLC)	complies with authentic material
Melting point	151 °C
Specific optical rotation	$[\alpha]_D^{24} = -21.6^\circ$ (1% in dimethylformamide)
Purity (HPLC)	99.8% (TFA)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.2% (Cth 64.38%, Cfd 63.88%)
Water content (KF volumetric)	0.5%

Latest update: August 07, 2019

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