

## Analytical Data Sheet

Lot number **1066833**  
not for drug use

Catalog number **B-2965.0005**  
Product number **4027406.0005**  
Product **Fmoc- D- Dap(Boc) - OH**  
Molecular formula  $C_{23}H_{26}N_2O_6$   
Relative molecular mass 426.47

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.4% (TFA)
Related impurities (HPLC)	not det. Fmoc- $\beta$ -Ala-OH 0.1% Fmoc-Asn-OH < 0.1% Fmoc-D-Dap-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	0.1% L-enantiomer
Assay (titration)	98.2% (TBAH)
Water content (KF volumetric)	0.3%
Acetic acid content (IC)	0.007%

Latest update: September 30, 2016

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