

## Analytical Data Sheet

Lot number **1000016750**  
not for drug use

Catalog number **B-2960.0001**  
Product number **4027196.0001**  
Product **Fmoc- D- Dab(Boc) - OH**  
Molecular formula  $C_{24}H_{28}N_2O_6$   
Relative molecular mass 440.50

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.71% (TFA)
Related impurities (HPLC)	< LOQ (0.02%) Fmoc- $\beta$ -Ala-OH < LOQ (0.02%) Fmoc-D-Dab-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.05% H-D-Dab(Boc)-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.10%L-enantiomer
Assay (titration)	93.4% (TBAH)
Water content (KF volumetric)	0.1%
Acetic acid content (IC)	det. (LOQ) < 20 mg/kg

Latest update: May 27, 2019

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