

Analytical Data Sheet

Lot number **1066832**
not for drug use

Catalog number **B-2960.0005**
Product number **4027196.0005**
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)	99.0% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc- β -Ala-OH < 0.1% Fmoc-D-Dab-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Dab(Boc)-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.1% L-enantiomer
Assay (titration)	94.9% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.004%

Latest update: September 30, 2016

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