

Analytical Data Sheet

Lot number **1000001529**
not for drug use

Catalog number **A-3520.0005**
Product number **4019046.0005**
Product **Boc- Dab(Fmoc) - 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 MeOH)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 65.06 %</td> <td>C = 64.81 %</td> </tr> <tr> <td>H = 6.45 %</td> <td>H = 6.28 %</td> </tr> <tr> <td>N = 7.34 %</td> <td>N = 7.27 %</td> </tr> </tbody> </table> <p>calc. as 0.05 H₂O (0.2 %) x 0.4 acetonitrile (3.6 %)</p>	Theory	Found	C = 65.06 %	C = 64.81 %	H = 6.45 %	H = 6.28 %	N = 7.34 %	N = 7.27 %
Theory	Found								
C = 65.06 %	C = 64.81 %								
H = 6.45 %	H = 6.28 %								
N = 7.34 %	N = 7.27 %								
Identification (TLC)	complies with authentic material								
Melting point	108 °C								
Purity (HPLC)	98.8%								
Purity (TLC)	> 98%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (titration)	96.6% (TBAH)								
Water content (KF volumetric)	0.2%								
Residual organic solvents (GC)	3.2% acetonitrile								

Latest update: June 19, 2018

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