

Analytical Data Sheet

Lot number **1068125**
not for drug use

Catalog number **B-3885.0005**
Product number **4054323.0005**
Product **Fmoc- Dap(ivDde) - OH**
Molecular formula $C_{31}H_{36}N_2O_6$
Relative molecular mass 532.64

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} + 8.7^\circ$ (1% in methanol)
Purity (HPLC)	99.6% (TFA)
Purity (TLC)	$\geq 99\%$
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.2% D-enantiomer
Assay (titration)	98.8% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.015%

Latest update: September 29, 2016

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