

Analytical Data Sheet

Lot number **1073280**
not for drug use

Catalog number **B-3240.0001**
Product number **4028316.0001**
Product **Fmoc- Asp(ODmab) - OH**
Molecular formula $C_{39}H_{42}N_2O_8$
Relative molecular mass 666.77

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in dioxane) yellow solution (0.5 mmol/mL in DMF)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	98.44% (TFA)
Related impurities (HPLC)	0.31% Fmoc-Asp-OH 0.21% Fmoc- β -Ala-OH
Purity (TLC)	$\geq 98\%$
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
Assay (titration)	97.7% (HClO ₄)
Water content (KF volumetric)	0.6%
Acetic acid content (IC)	0.004%

Latest update: September 07, 2017

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