

Analytical Data Sheet

Lot number **1062309**
not for drug use

Catalog number **B-3560.0001**
Product number **4033988.0001**
Product **Fmoc- Asp(OMpe) - OH**
Molecular formula $C_{25}H_{29}NO_6$
Relative molecular mass 439.51

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.6% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc- β -Ala-OH < 0.1% Fmoc-Asp-OH < 0.1% Fmoc- β -Ala-Asp(OMpe)-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Asp(OMpe)-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.3%
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	99.7% (TBAH)
Water content (KF volumetric)	< 0.1
Acetic acid content (IC)	0.007%

Latest update: October 21, 2015

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