

Analytical Data Sheet

Lot number **1063069**
not for drug use

Catalog number **B-3655.0005**
Product number **4039622.0005**
Product **Fmoc- D- 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)	0.2% Fmoc-β-Ala-OH not det. Fmoc-D-Asp-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-D-Asp(OMpe)-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% L-enantiomer
Assay (titration)	99.1% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.009%

Latest update: December 11, 2015

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