

Analytical Data Sheet

Lot number **1000024032**
not for drug use

Catalog number **B-3560.0005**
Product number **4033988.0005**
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 solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 439.2u (monoisotopic mass)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	99.66% (TFA)
Related impurities (HPLC)	< LOQ Fmoc-β-Ala-OH 0.06% Fmoc-Asp-OH < LOQ Fmoc-β-Ala-Asp(OMpe)-OH < LOQ Fmoc-Asp(OMpe)-Asp(OMpe)-OH ≤ 0.07% each single unspecified
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.05% 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)	< 0.20%
Enantiomer content (chiral chromatography)	det. (< 0.02% LOQ) D-enantiomer
Assay (titration)	100.1% (TBAH)
Water content (KF volumetric)	≤ 0.1%
Acetic acid content (IC)	37mg/kg