

Analytical Data Sheet

Lot number **1000046054**
not for drug use

Product Fmoc-D-Asp(OMpe)-OH

Product number **4039622.0001**

Molecular formula C₂₅H₂₉NO₆

Relative molecular mass 439.51

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 439.5u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.73% (TFA)
Related impurities (HPLC)	<0.02% (LOQ) Fmoc-β-Ala-OH <0.02% (LOQ) Fmoc-D-Asp-OH <0.02% (LOQ) Fmoc-D-Asp(OMpe)-D-Asp(OMpe)-OH ≤0.18% each single unspecified
Related impurities (TLC)	<0.05% 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)	not det. <0.007% (LOD) Fmoc-Asp(OMpe)-OH
Assay (titration)	99.5% (TBAH)
Water content (KF volumetric)	0.1%
Acetic acid content (IC)	0.006%

Latest update: March 11, 2021

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