

Analytical Data Sheet

Lot number **1000004591**
not for drug use

Catalog number **B-1625.0005**
Product number **4011894.0005**
Product **Fmoc- D- Pro- OH**
Molecular formula $C_{20}H_{19}NO_4$
Relative molecular mass 337.38

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 337.4u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.9%
Related impurities (HPLC)	< 0.1%Fmoc-β-Ala-OH not det.Fmoc-β-Ala-D-Pro-OH not det.Fmoc-D-Pro-D-Pro-OH ≤ 0.03%any single unspecified
Related impurities (TLC)	< 0.05% H-D-Pro-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.0654% L-enantiomer
Assay (titration)	98.7% (TBAH)
Water content (KF volumetric)	0.8%
Acetic acid content (IC)	0.003%

Latest update: August 13, 2018

Analytical Data Sheet
Lot number **1000004591**