

Analytical Data Sheet

Lot number **1061486**
not for drug use

Catalog number **B-1910.0005**
Product number **4016030.0005**
Product **Fmoc- γ - Abu- OH**
Molecular formula **C₁₉H₁₉NO₄**
Relative molecular mass **325.36**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, colorless solution (0.5 mmol/mL DMF)
Identification (elemental analysis)	Theory Found C = 70.1% C = 69.8% H = 5.9% H = 5.9% N = 4.3% N = 4.3%
Identification (TLC)	complies with authentic material
Melting point	172 °C
Purity (HPLC)	99.5% (TFA)
Related impurities (HPLC)	0.1% Fmoc- β -Ala-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H- γ -Abu-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
Assay (titration)	99.3% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.002% (LOQ)