

## Analytical Data Sheet

Lot number **1068972**  
not for drug use

Catalog number **B-1860.0025**  
Product number **4013932.0025**  
Product **Fmoc- Aib- OH**  
Molecular formula  $C_{19}H_{19}NO_4$   
Relative molecular mass 325.36

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (0.5 ml/mL in DMF) clear, colorless solution (50 mg/mL in dioxane)
Identification (ESI-MS)	m = 325.4u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.8% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc- $\beta$ -Ala -OH 0.1% Fmoc- $\beta$ -Ala-Aib-OH
Related impurities (TLC)	< 0.1% H-Aib-OH
TLC conditions	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.3%
Assay (titration)	99.7% (TBAH)
Water content (KF coulometric)	< 0.3%
Acetic acid content (IC)	0.004%

Latest update: December 12, 2016

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