

## Analytical Data Sheet

Lot number **1000029808**  
not for drug use

Catalog number **B-1860.0005**  
Product number **4013932.0005**  
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 mmol/mL in DMF)
Identification (ESI-MS)	m = 325.1u (monoisotopic mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.81%
Related impurities (HPLC)	0.03% Fmoc- $\beta$ -Ala-OH 0.10% Fmoc- $\beta$ -Ala-Aib-OH not det. Fmoc-Aib-Aib-OH $\leq 0.02\%$ any unspecified impurity
Related impurities (TLC)	$\leq 0.03\%$ (LOD) H-Aib-OH
TLC conditions	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 plate: HPTLC silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (titration)	99.4%(TBAH)
Water content (KF volumetric)	< 0.1%
Acetic acid content (IC)	< 45mg/kg

Latest update: March 12, 2020

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