

Analytical Data Sheet

Lot number **1000006527**
not for drug use

Catalog number **B-1470.0005**
Product number **4003251.0005**
Product **Fmoc- Ala- Ala- OH**
Molecular formula $C_{21}H_{22}N_2O_5$
Relative molecular mass 382.42

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% dioxane) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	99.33%(TFA)
Related impurities (HPLC)	not det.Fmoc- β -Ala-OH 0.17%Fmoc-Ala-OH
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.05% H-Ala-Ala-OH
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.10% D-enantiomer
Assay (titration)	99.9% (TBAH)
Water content (KF volumetric)	0.3%
Acetic acid content (IC)	45 mg/kg

Latest update: September 27, 2018

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