

Analytical Data Sheet

Lot number **1000011855**
not for drug use

Catalog number **B-1030.0005**
Product number **4003177.0005**
Product **Fmoc- Ala- OSu**
Molecular formula $C_{22}H_{20}N_2O_6$
Relative molecular mass 408.41

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (TLC)	Rf value in agreement with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -30.1^\circ$ (1% in DMF)
Purity (HPLC)	99.08% (TEAP)
Related impurities (HPLC)	0.03% Fmoc- β -Ala-OH 0.01% Fmoc-Ala-OH
Related impurities (TLC)	< 0.2% DCH
TLC conditions	chloroform/ethylacetate/acetic acid 50/50/2 MeOH 70% plate: silicagel 60 F ₂₅₄ - RP8 detected by: UV, ninhydrin, ammoniummolybdate, TMB
Enantiomer content (chiral chromatography)	< 0.10% D-enantiomer
Assay (elemental analysis)	97.8% (Cth 64.70%, Cfd 64.27%)

Latest update: February 05, 2019

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