

Analytical Data Sheet

Lot number **1000027860**
not for drug use

Catalog number **B-2890.0001**
Product number **4026833.0001**
Product **Fmoc- Orn(Aloc) - OH**
Molecular formula $C_{24}H_{26}N_2O_6$
Relative molecular mass 438.49

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, colorless solution (0.5 mmol/mL in dimethylformamide)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.5% (TFA)
Related impurities (HPLC)	0.1% Fmoc- β -Ala-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Orn(Aloc)-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	98.5% (TBAH)
Water content (KF volumetric)	0.1%
Acetic acid content (IC)	0.019%

Latest update: January 29, 2020

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