

Analytical Data Sheet

Lot number **1000020930**
not for drug use

Catalog number **B-2260.0005**
Product number **4018519.0005**
Product **Fmoc- Orn(Fmoc) - OH**
Molecular formula $C_{35}H_{32}N_2O_6$
Relative molecular mass 576.65

Tests	Results
Appearance	white fine powder
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)
Identification (elemental analysis)	Theory Found C = 72.90 % C = 72.90 % H = 5.59 % H = 5.72 % N = 4.86 % N = 4.78 %
Identification (TLC)	conforms with authentic material
Melting point	194 °C
Purity (HPLC)	99.5% (TFA)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/ethylacetate/acetic acid 50/50/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	100.0% (TBAH)
Water content (KF volumetric)	0.1%

Latest update: August 28, 2019

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