

Analytical Data Sheet

Lot number **1061344**
not for drug use

Catalog number **B-1905.0001**
Product number **4013865.0001**
Product **Fmoc- Met(O₂) - OH**
Molecular formula **C₂₀H₂₁NO₆S**
Relative molecular mass **403.46**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, slightly yellow solution in DMF (0.5 mmol/mL)
Identification (TLC)	complies with authentic material
Melting point	159 °C
Purity (HPLC)	99.4% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-β-Ala-OH < 0.1% Fmoc-Met-OH
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	95.7% (TBAH)
Water content (KF volumetric)	0.3%
Acetic acid content (IC)	0.011%

Latest update: September 03, 2015

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