

Analytical Data Sheet

Lot number **1074607**
not for drug use

Catalog number **B-1450.0005**
Product number **4003200.0005**
Product **Fmoc- D- Trp- OH**
Molecular formula $C_{26}H_{22}N_2O_4$
Relative molecular mass 426.47

Tests	Results
Appearance	white powder
Appearance of solution	clear solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 426.5u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.4% (TFA)
Related impurities (HPLC)	0.1% Fmoc-D-Trp-D-Trp-OH < 0.1% Fmoc-β-Ala-D-Trp-OH < 0.1% Fmoc-β-Ala-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.05% H-D-Trp-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 960/20/6/11 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% L-enantiomer
Assay (titration)	100.1% (TBAH)
Water content (KF volumetric)	0.4%
Acetic acid content (IC)	0.005%

Latest update: November 30, 2017

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