

## Analytical Data Sheet

**Lot number** **1000036159**  
not for drug use

**Product** Fmoc-His(1-Trt)-OPfp

**Product number** **4011864.0001**

**Molecular formula**  $C_{46}H_{32}F_5N_3O_4$

**Relative molecular mass** 785.77

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (ESI-MS)	m = 785.8u (average mass)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -25.6^\circ$ (1% in $CHCl_3$ )
Purity (TLC)	> 90%
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 90/10/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate, pauly
Enantiomer content (GC)	0.5% D-enantiomer
Assay (elemental analysis)	74.2% (Nth 5.35%, Nfd 3.97%)

Latest update: August 10, 2020

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