

Analytical Data Sheet

Lot number

1047866

not for drug use

Catalog Number	B-2000.0025
Product number	4015229.0025
Product	Fmoc- His(Boc) - OPfp
Molecular formula	$C_{32}H_{26}F_5N_3O_6$
Relative molecular mass	643.57

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, brown solution (0.5 mmol/mL in dimethylformamide)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -10.6^\circ$ (1% in ethylacetate)
Purity (TLC)	decomposes on TLC plate
Related impurities (TLC)	< 0.5% DCH
TLC conditions	methanol 60% plate: RP-8 detected by: ammoniummolybdate ethylacetate/hexane 4/5 chloroform/ethylacetate 9/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	0.1% D-Enantiomer
Assay (titration)	88.7% (HClO ₄)
Water content (KF volumetric)	0.1%
Latest update: April 22, 2013	