

Analytical Data Sheet

Lot number **1000012191**
not for drug use

Catalog number **B-1830.0025**
Product number **4010990.0025**
Product **Fmoc- His(1- Boc) - OH**
Molecular formula $C_{26}H_{27}N_3O_6$
Relative molecular mass 477.52

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	97.88% (Sørensen)
Related impurities (HPLC)	not det. Fmoc- β -Ala-OH 0.72% Fmoc-His-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	99.5% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.005%

Latest update: February 13, 2019

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