

Analytical Data Sheet

Lot number **1062998**
not for drug use

Catalog number **B-1825.0001**
Product number **4014156.0001**
Product **Fmoc- D- His(Boc) - OH**
Molecular formula $C_{26}H_{27}N_3O_6$
Relative molecular mass 477.50

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)	98.3% (Sørensen pH 7.0)
Related impurities (HPLC)	not det. Fmoc-β-Ala-OH 0.6% Fmoc-D-His-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 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% L-enantiomer
Assay (titration)	91.3% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.005%

Latest update: December 11, 2015

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