

## Analytical Data Sheet

Lot number **1066806**  
not for drug use

Catalog number **B-1825.0025**  
Product number **4014156.0025**  
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)	98.4% (sørensen)
Related impurities (HPLC)	not det. Fmoc- $\beta$ -Ala-OH 0.6% Fmoc-D-His-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 85/13/0.5/1.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	0.1% L-enantiomer
Assay (titration)	92.0% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.005%

Latest update: September 30, 2016

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