

Analytical Data Sheet

Lot number **1000008466**
not for drug use

Retest date June 2021
Catalog number **B-1825.0005**
Product number **4014156.0005**
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-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) | 92.0% (TBAH) |
| Water content (KF volumetric) | 0.2% |
| Acetic acid content (IC) | 0.005% |

Latest update: November 13, 2018

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