

## Analytical Data Sheet

Lot number	1000044118 not for drug use
Catalog number	B-1830.0005
Product	Fmoc-His(1-Boc)-OH
Product number	4010990.0005
Molecular formula (net)	C <sub>26</sub> H <sub>27</sub> N <sub>3</sub> O <sub>6</sub>
Molecular mass (average)	477.5

Tests	Results
<b>Components</b>	
<b>Appearance</b>	
Appearance	complies [white to off-white powder]
Color	white
<b>Appearance of solution</b>	
Appearance of solution	complies [clear, colorless solution in methanol (50 mg/mL)]
Appearance of solution	complies [essentially clear solution in DMF (0.5 mmol/mL)]
<b>Identification (TLC)</b>	
R <sub>f</sub> value	complies [complies]
<b>Purity and related impurities (HPLC)</b>	
Purity	99.7%
Fmoc-β-Ala-OH	not detected
Fmoc-His-OH	0.09%
<b>Purity (TLC)</b>	
Purity	> 99%
<b>CAT Enantiomer content (chiral chromatography)</b>	
D-enantiomer	0.06%
<b>Assay (titration)</b>	
Assay (titration, net)	98.4%
<b>Water content (Karl Fischer volumetric)</b>	
Water content	< 0.14%

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# BACHEM

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<b>Lot number</b>	1000044118
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<b>Product</b>	Fmoc-His(1-Boc)-OH

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Tests	Results
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Components	
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<b>Acetic acid content (IC)</b>	
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Acetic acid content	
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	29 mg/kg
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**CAT** Analysis performed by C.A.T. GmbH & Co Chromatographie und Analystechnik KG, Heerweg 10, 72070 Tübingen, Germany

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This Analytical Data Sheet is based on reviewed analytical data and is valid without handwritten signatures.

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Date created: January 28, 2021