

Analytical Data Sheet

Lot number	1000028129 not for drug use
Catalog number	B-3835.0005
Product	Fmoc-D-His(Bzl)-OH
Product number	4043043.0005
Molecular formula (net)	C ₂₈ H ₂₅ N ₃ O ₄
Molecular mass (average)	467.5

Tests	Results
Components	
Appearance	
Appearance	complies [white to off-white powder]
Appearance of solution	
Appearance of solution	complies [clear, colorless solution in methanol : chloroform = 1:1 (V/V) (50 mg/mL)]
Appearance of solution	complies [essentially clear solution in DMF (0.5 mmol/mL)]
Identification (TLC)	
R _f value	complies [complies]
Purity and related impurities (HPLC)	
Purity	99.9%
Fmoc-β-Ala-OH	0.03%
Purity and related impurities (TLC)	
Purity	> 99%
H-D-His(Bzl)-OH	< 0.2%
Enantiomer content (GC)	
L-enantiomer	0.20%
Assay (titration)	
Assay (titration, net)	98.0%
Water content (Karl Fischer volumetric)	
Water content	0.10%

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Tests	Results
Components	
Acetic acid content (IC)	
Acetic acid content	24 mg/kg

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

Date created: February 05, 2020