

Analytical Data Sheet

Lot number **1000046795**
not for drug use

Product Boc-His(1-Boc)-OSu

Product number **4010604.0005**

Molecular formula $C_{20}H_{28}N_4O_8$

Relative molecular mass 452.46

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetone)
Identification (elemental analysis)	C-Value 53.1% H-Value 6.0% N-Value 12.3%
Identification (TLC)	complies with authentic material
Melting point	126°C
Specific optical rotation	$[\alpha]_D^{24} = +9.5^\circ$ (1% ethyl acetate)
Purity (TLC)	decomposition on TLC plate
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.6% (N _{Th} 12.38%, N _{Fd} 12.33%)

Latest update: March 11, 2021

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