

Analytical Data Sheet

Lot number	1000035370 not for drug use
Product	Boc-His(1-Boc)-OSu
Product number	4010604.0025
Molecular formula	C ₂₀ H ₂₈ N ₄ O 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)	Theory Found C = 53.1% C = 53.1% H = 6.2% H = 6.0% N = 12.4% N = 12.3%
Identification (TLC)	complies with authentic material
Melting point	126 °C
Specific optical rotation	$[\alpha]_D^{24} = + 9.5^\circ$ (1% ethylacetate)
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: July 16, 2020

Analytical Data Sheet
Lot number **1000035370**