

Analytical Data Sheet

Lot number **1058951**
not for drug use

Catalog number **A-1015.0005**
Product number **4010604.0005**
Product **Boc- His(1- Boc) - OSu**
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)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 53.1%</td> <td>C = 53.1%</td> </tr> <tr> <td>H = 6.2%</td> <td>H = 6.0%</td> </tr> <tr> <td>N = 12.4%</td> <td>N = 12.3%</td> </tr> </tbody> </table>	Theory	Found	C = 53.1%	C = 53.1%	H = 6.2%	H = 6.0%	N = 12.4%	N = 12.3%
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% 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% (Nth 12.38%, Nfd 12.33%)								

Latest update: April 23, 2015

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