

## Analytical Data Sheet

Lot number **1000026969**  
not for drug use

Catalog number **A-1225.0005**  
Product number **4006410.0005**  
Product **Boc- Asn- OSu**  
Molecular formula  $C_{13}H_{19}N_3O_7$   
Relative molecular mass 329.31

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 = 47.4%</td> <td>C = 47.3%</td> </tr> <tr> <td>H = 5.8%</td> <td>H = 5.8%</td> </tr> <tr> <td>N = 12.8%</td> <td>N = 12.8%</td> </tr> </tbody> </table>	Theory	Found	C = 47.4%	C = 47.3%	H = 5.8%	H = 5.8%	N = 12.8%	N = 12.8%
Theory	Found								
C = 47.4%	C = 47.3%								
H = 5.8%	H = 5.8%								
N = 12.8%	N = 12.8%								
Identification (TLC)	complies with authentic material								
Melting point	126 °C								
Specific optical rotation	$[\alpha]_D^{24} = -32.4^\circ$ (1% in acetone)								
Purity (TLC)	decomposition profile equivalent to that of reference substance on the same TLC plate								
TLC conditions	methanol 60% plate: RP-8  chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.5% (Nth 12.76%; Nfd 12.83%)								

Latest update: January 10, 2020

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