

# Analytical Data Sheet

Lot number

## 1018305

not for drug use

<b>Catalog Number</b>	<b>A-2150.0005</b>
<b>Product number</b>	<b>4002808.0005</b>
<b>Product</b>	<b>Boc-Nle-OSu</b>
<b>Molecular formula</b>	$C_{15}H_{24}N_2O_6$
<b>Relative molecular mass</b>	328.37

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in acetone)								
<b>Identification (elemental analysis)</b>	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 54.9%</td> <td>C = 54.8%</td> </tr> <tr> <td>H = 7.4%</td> <td>H = 7.2%</td> </tr> <tr> <td>N = 8.5%</td> <td>N = 8.5%</td> </tr> </table>	Theory	Found	C = 54.9%	C = 54.8%	H = 7.4%	H = 7.2%	N = 8.5%	N = 8.5%
Theory	Found								
C = 54.9%	C = 54.8%								
H = 7.4%	H = 7.2%								
N = 8.5%	N = 8.5%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	111 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -31.8^\circ$ (1% in acetone)								
<b>Purity (TLC)</b>	≥ 98%								
<b>TLC conditions</b>	methanol 60% plate: RP-8  chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (elemental analysis)</b>	99.9% (Cth 54.87%, Cfd 54.83%)								

Latest update: November 21, 2008

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