

# Analytical Data Sheet

Lot number

**1049577**

not for drug use

<b>Catalog Number</b>	<b>A-2415.0025</b>
<b>Product number</b>	<b>4001331.0025</b>
<b>Product</b>	<b>Boc- Tyr- OSu</b>
<b>Molecular formula</b>	$C_{18}H_{22}N_2O_7$
<b>Relative molecular mass</b>	378.38

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in dioxane)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 57.1%</td> <td>C = 56.8%</td> </tr> <tr> <td>H = 5.9%</td> <td>H = 5.7%</td> </tr> <tr> <td>N = 7.4%</td> <td>N = 7.3%</td> </tr> </table>	Theory	Found	C = 57.1%	C = 56.8%	H = 5.9%	H = 5.7%	N = 7.4%	N = 7.3%
Theory	Found								
C = 57.1%	C = 56.8%								
H = 5.9%	H = 5.7%								
N = 7.4%	N = 7.3%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	182 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -45.5^\circ$ (1% in dimethylformamide)								
<b>Purity (TLC)</b>	95% (RP-8 plate)								
<b>TLC conditions</b>	methanol 70% plate: RP-8  chloroform/ethylacetate/acetic acid 50/50/2 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>	98.5% (Nth 7.41%, Nfd 7.30%)								
Latest update: August 16, 2013	<b>Analytical Data Sheet</b> Lot number <b>1049577</b>								