

# Analytical Data Sheet

Lot number

## 1028811

not for drug use

<b>Catalog Number</b>	<b>A-3095.0005</b>
<b>Product number</b>	<b>4016434.0005</b>
<b>Product</b>	<b>Boc- D- Phe- Pro- OSu</b>
<b>Molecular formula</b>	$C_{23}H_{29}N_3O_7$
<b>Relative molecular mass</b>	459.50

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 = 58.69 %</td> <td>C = 58.42 %</td> </tr> <tr> <td>H = 6.77 %</td> <td>H = 6.72 %</td> </tr> <tr> <td>N = 10.10 %</td> <td>N = 10.37 %</td> </tr> </table> <p>calc. as 0.2 H<sub>2</sub>O (0.5 %) x 0.8 dimethylformamide (10.5 %) x 0.04 diethylether (0.6 %)</p>	Theory	Found	C = 58.69 %	C = 58.42 %	H = 6.77 %	H = 6.72 %	N = 10.10 %	N = 10.37 %
Theory	Found								
C = 58.69 %	C = 58.42 %								
H = 6.77 %	H = 6.72 %								
N = 10.10 %	N = 10.37 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	103 °C								
<b>Purity (TLC)</b>	98%								
<b>TLC conditions</b>	chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 MeOH/H <sub>2</sub> O 75/25 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Water content (KF volumetric)</b>	0.6%								
<b>Residual organic solvents (GC)</b>	0.5% diethylether 10.7% dimethylformamide								
Latest update: January 26, 2010									