

# Analytical Data Sheet

Lot number

## 1038918

not for drug use

<b>Catalog Number</b>	<b>A-2185.0025</b>
<b>Product number</b>	<b>4001445.0025</b>
<b>Product</b>	<b>Boc- Phe- ONp</b>
<b>Molecular formula</b>	$C_{20}H_{22}N_2O_6$
<b>Relative molecular mass</b>	386.41

Tests	Results								
<b>Appearance</b>	off-white powder								
<b>Appearance of solution</b>	clear, yellowish solution (50mg/ml in acetone)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 62.2 %</td> <td>C = 62.4 %</td> </tr> <tr> <td>H = 5.7 %</td> <td>H = 5.7 %</td> </tr> <tr> <td>N = 7.3 %</td> <td>N = 7.3 %</td> </tr> </table>	Theory	Found	C = 62.2 %	C = 62.4 %	H = 5.7 %	H = 5.7 %	N = 7.3 %	N = 7.3 %
Theory	Found								
C = 62.2 %	C = 62.4 %								
H = 5.7 %	H = 5.7 %								
N = 7.3 %	N = 7.3 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	130 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -22.4^\circ$ (1 % in dimethylformamide)								
<b>Purity (TLC)</b>	≥ 98%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid 90/8/2 ethylacetate/hexane 4/5 chloroform/ethylacetate 9/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (elemental analysis)</b>	100.4% (Cth 62.17 %, Cfd 62.44 %)								

Latest update: October 07, 2011

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