

# Analytical Data Sheet

Lot number

## 1037961

not for drug use

<b>Catalog Number</b>	C-1430.0005
<b>Product number</b>	4010003.0005
<b>Product</b>	Z- D- Lys(Boc) - OH
<b>Molecular formula</b>	C <sub>19</sub> H <sub>28</sub> N <sub>2</sub> O <sub>6</sub>
<b>Relative molecular mass</b>	380.44

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in methanol)								
<b>Identification (elemental analysis)</b>	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 60.0%</td> <td>C = 59.6%</td> </tr> <tr> <td>H = 7.4%</td> <td>H = 7.7%</td> </tr> <tr> <td>N = 7.4%</td> <td>N = 7.3%</td> </tr> </table>	Theory	Found	C = 60.0%	C = 59.6%	H = 7.4%	H = 7.7%	N = 7.4%	N = 7.3%
Theory	Found								
C = 60.0%	C = 59.6%								
H = 7.4%	H = 7.7%								
N = 7.4%	N = 7.3%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	59 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +5.1^\circ$ (4% in methanol)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/1 chloroform/ethylacetate/acetic acid 50/50/2 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>	99.0% (Nth 7.37%, Nfd 7.29%)								
Latest update: July 26, 2011									