

# Analytical Data Sheet

Lot number

**1038462**

not for drug use

<b>Catalog Number</b>	<b>E-1080.0001</b>
<b>Product number</b>	<b>4005009.0001</b>
<b>Product</b>	<b>Ac- Ile- OH</b>
<b>Molecular formula</b>	$C_8H_{15}NO_3$
<b>Relative molecular mass</b>	173.21

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in MeOH)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 54.7 %</td> <td>C = 54.7 %</td> </tr> <tr> <td>H = 8.8 %</td> <td>H = 9.0 %</td> </tr> <tr> <td>N = 8.0 %</td> <td>N = 8.0 %</td> </tr> </table>	Theory	Found	C = 54.7 %	C = 54.7 %	H = 8.8 %	H = 9.0 %	N = 8.0 %	N = 8.0 %
Theory	Found								
C = 54.7 %	C = 54.7 %								
H = 8.8 %	H = 9.0 %								
N = 8.0 %	N = 8.0 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	151 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +10.1^\circ$ (1 % in DMF)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/10/3/4 plate: silicagel 60 F <sub>254</sub> detected: UV, ninhydrin, chlorine-tolidine								
<b>Water content (KF volumetric)</b>	1.2%								
Latest update: August 29, 2011									