

# Analytical Data Sheet

Lot number

## 1046922

not for drug use

<b>Catalog Number</b>	F-1165.0250
<b>Product number</b>	4015231.0250
<b>Product</b>	H- D- allo- Ile- OH
<b>Molecular formula</b>	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>
<b>Relative molecular mass</b>	131.18

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (5 mg/ml in AcOH 80 %)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 54.94 %</td> <td>C = 54.60 %</td> </tr> <tr> <td>H = 9.99 %</td> <td>H = 9.91 %</td> </tr> <tr> <td>N = 10.68 %</td> <td>N = 10.65 %</td> </tr> </table>	Theory	Found	C = 54.94 %	C = 54.60 %	H = 9.99 %	H = 9.91 %	N = 10.68 %	N = 10.65 %
Theory	Found								
C = 54.94 %	C = 54.60 %								
H = 9.99 %	H = 9.91 %								
N = 10.68 %	N = 10.65 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -37.1^\circ$ (1 % in 6N HCl)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/60/12/36 plate: silicagel 60 F <sub>254</sub> detected: ninhydrin, chlorine-tolidine								
<b>Enantiomer content (GC)</b>	< 0.1% H-D-Ile-OH 0.3% L-Ile-OH 99.7% H-D-allo-Ile-OH < 0.1% H-L-allo-Ile-OH								
Latest update: February 19, 2013									