

# Analytical Data Sheet

Lot number

**0116502**

not for drug use

<b>Catalog Number</b>	<b>C-3155</b>
<b>Product number</b>	<b>4003652</b>
<b>Product</b>	<b>Z- Ala- Leu- OH</b>
<b>Molecular formula</b>	$C_{17}H_{24}N_2O_5$
<b>Relative molecular mass</b>	336.39

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in methanol)
<b>Identification (ESI-MS)</b>	m = 336.4u (average mass)
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	72 °C
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	96.0% (Nth 8.33%, Nfd 8.00%)
<b>Assay (titration)</b>	98.0% (TBAH)
<b>Water content (KF volumetric)</b>	1.7%
Latest update: October 25, 2008	