

# Analytical Data Sheet

Lot number

**1046751**

not for drug use

<b>Catalog Number</b>	<b>E-3010.0001</b>
<b>Product number</b>	<b>4017866.0001</b>
<b>Product</b>	<b>Ac- Ser(tBu) - OH</b>
<b>Molecular formula</b>	$C_9H_{17}NO_4$
<b>Relative molecular mass</b>	203.24

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 border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 53.2%</td> <td>C = 53.1%</td> </tr> <tr> <td>H = 8.4%</td> <td>H = 8.4%</td> </tr> <tr> <td>N = 6.9%</td> <td>N = 6.8%</td> </tr> </table>	Theory	Found	C = 53.2%	C = 53.1%	H = 8.4%	H = 8.4%	N = 6.9%	N = 6.8%
Theory	Found								
C = 53.2%	C = 53.1%								
H = 8.4%	H = 8.4%								
N = 6.9%	N = 6.8%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	161 °C								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (titration)</b>	99.1% (TBAH)								
<b>Water content (KF volumetric)</b>	0.1%								
Latest update: February 07, 2013									