

# Analytical Data Sheet

Lot number

**1016752**

not for drug use

<b>Catalog Number</b>	<b>E-2950.0100</b>
<b>Product number</b>	<b>4004981.0100</b>
<b>Product</b>	<b>H- Ser- OBzl hydrochloride salt</b>
<b>Molecular formula</b>	$C_{10}H_{13}NO_3$
<b>Relative molecular mass</b>	195.22

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol)
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	177.1 °C
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -4.1^\circ$ (5 % in MeOH)
<b>Purity (TLC)</b>	> 99%
<b>Related impurities (TLC)</b>	< 0.2% H-Ser-OH
<b>TLC conditions</b>	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate : silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Enantiomer content (GC)</b>	0.1% D-Enantiomer
<b>Other amino acids (GC)</b>	< 0.3%
<b>Assay (elemental analysis)</b>	97.0% (Cth 51.84 %, Cfd 50.31 %)
<b>Chloride content (titration)</b>	16.3% (AgNO <sub>3</sub> )
Latest update: October 27, 2008	