

# Analytical Data Sheet

Lot number

**1031707**

not for drug use

<b>Catalog Number</b>	<b>A-1080.0025</b>
<b>Product number</b>	<b>4001915.0025</b>
<b>Product</b>	<b>Boc- Ala- OSu</b>
<b>Molecular formula</b>	$C_{12}H_{18}N_2O_6$
<b>Relative molecular mass</b>	286.29

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in dioxane)
<b>Identification (TLC)</b>	conforms with authentic material
<b>Melting point</b>	164.8 °C
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -52.7^\circ$ (2 % in dioxane)
<b>Purity (TLC)</b>	$\geq 97\%$
<b>TLC conditions</b>	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F <sub>254</sub> MeOH 60 % plate: RP-8 detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	99.8% (Cth 50.35 %, Cfd 50.25 %)
Latest update: July 13, 2010	<b>Analytical Data Sheet</b> Lot number <b>1031707</b>