

# Analytical Data Sheet

Lot number

**1047887**

not for drug use

<b>Catalog Number</b>	<b>B-1640.0025</b>
<b>Product number</b>	<b>4011891.0025</b>
<b>Product</b>	<b>Fmoc- Ser(tBu) - ODhbt</b>
<b>Molecular formula</b>	$C_{29}H_{28}N_4O_6$
<b>Relative molecular mass</b>	528.57

Tests	Results
<b>Appearance</b>	off-white powder
<b>Appearance of solution</b>	clear, light yellow solution (50 mg/ml in dioxane)
<b>Identification (TLC)</b>	conforms with authentic material
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -32.7^\circ$ (1 % in THF)
<b>Purity (TLC)</b>	> 98% decomposes on TLC plate
<b>TLC conditions</b>	toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	92.3% (Nth 10.60 %, Nfd 9.79 %)
<b>Water content (KF volumetric)</b>	0.4%
<b>Residual organic solvents (GC)</b>	1.48% IPE 6.37% Aceton
Latest update: April 22, 2013	<b>Analytical Data Sheet</b> Lot number <b>1047887</b>