

**Analytical Data Sheet**

<b>Lot number</b>	<b>1000035647</b> not for drug use
<b>Product</b>	Boc-D-Ser(tBu)-OH · DCHA
<b>Product number</b>	<b>4004211.0001</b>
<b>Molecular formula</b>	C <sub>12</sub> H <sub>23</sub> NO <sub>5</sub> · C <sub>12</sub> H <sub>23</sub> N
<b>Relative molecular mass</b>	442.64

<b>Tests</b>	<b>Results</b>								
<b>Appearance</b>	white product								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in MeOH)								
<b>Identification (elemental analysis)</b>	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 65.12%</td><td>C = 65.03%</td></tr><tr><td>H = 10.47%</td><td>H = 10.90%</td></tr><tr><td>N = 6.33%</td><td>N = 6.23%</td></tr></tbody></table>	Theory	Found	C = 65.12%	C = 65.03%	H = 10.47%	H = 10.90%	N = 6.33%	N = 6.23%
Theory	Found								
C = 65.12%	C = 65.03%								
H = 10.47%	H = 10.90%								
N = 6.33%	N = 6.23%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -23.9^\circ$ (2% in DMF)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by : UV, ninhydrin, chlorine-tolidine								

Latest update: August 07, 2020

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