

Analytical Data Sheet

Lot number **1000017305**
not for drug use

Catalog number **A-2085.0005**
Product number **4002217.0005**
Product **Boc- N- Me- Ser- OH**
Molecular formula $C_9H_{17}NO_5$
Relative molecular mass 219.24

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 49.3 %</td><td>C = 49.2 %</td></tr><tr><td>H = 7.8 %</td><td>H = 7.7 %</td></tr><tr><td>N = 6.4 %</td><td>N = 6.3 %</td></tr></tbody></table>	Theory	Found	C = 49.3 %	C = 49.2 %	H = 7.8 %	H = 7.7 %	N = 6.4 %	N = 6.3 %
Theory	Found								
C = 49.3 %	C = 49.2 %								
H = 7.8 %	H = 7.7 %								
N = 6.4 %	N = 6.3 %								
Identification (TLC)	complies with authentic material								
Melting point	86 °C								
Specific optical rotation	$[\alpha]_D^{24} = -33.0^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.8% (Cth 49.31 %, Cfd 49.22 %)								

Latest update: June 14, 2019

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