

## Analytical Data Sheet

Lot number **1000019021**  
not for drug use

Catalog number **E-1205.1000**  
Product number **4000152.1000**  
Product **Ac- Ser- OMe**  
Molecular formula  $C_6H_{11}NO_4$   
Relative molecular mass 161.16

Tests	Results
Appearance	clear, colorless oil
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (elemental analysis)	Theory Found C = 44.17 % C = 43.77 % H = 6.93 % H = 7.15 % N = 8.59 % N = 8.52 %
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -14.2^\circ$ (1 % in methanol)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol 8/2 chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid(98-100%)/H <sub>2</sub> O 45/13/1/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	97.9% (Cth 44.72 % Cfd 43.77 %)
Water content (KF volumetric)	1.1%

Latest update: July 25, 2019

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