

Analytical Data Sheet

Lot number **1072648**
not for drug use

Catalog number **E-1205.0250**
Product number **4000152.0250**
Product **Ac- Ser- OMe**
Molecular formula **C₆H₁₁NO₄**
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)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 44.17 %</td> <td>C = 43.77 %</td> </tr> <tr> <td>H = 6.93 %</td> <td>H = 7.15 %</td> </tr> <tr> <td>N = 8.59 %</td> <td>N = 8.52 %</td> </tr> </tbody> </table>	Theory	Found	C = 44.17 %	C = 43.77 %	H = 6.93 %	H = 7.15 %	N = 8.59 %	N = 8.52 %
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 ₂ O 8/8/8/1 chloroform/methanol 8/2 chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ 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, 2017

Analytical Data Sheet
Lot number **1072648**