

Analytical Data Sheet

Lot number **1000016967**
not for drug use

Catalog number **M-1080.0025**
Product number **4000673.0025**
Product **Ac- Tyr- OEt**
Molecular formula $C_{13}H_{17}NO_4$
Relative molecular mass 251.28

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 = 58.2%</td><td>C = 57.9%</td></tr><tr><td>H = 7.1%</td><td>H = 7.0%</td></tr><tr><td>N = 5.2%</td><td>N = 5.2%</td></tr></tbody></table> calc. x 0.95 H ₂ O (6.4%)	Theory	Found	C = 58.2%	C = 57.9%	H = 7.1%	H = 7.0%	N = 5.2%	N = 5.2%
Theory	Found								
C = 58.2%	C = 57.9%								
H = 7.1%	H = 7.0%								
N = 5.2%	N = 5.2%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +23.1^\circ$ (1% in ethanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 85/10/5 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	92.7% (Nth 5.58%, Nfd 5.17%)								
Water content (KF volumetric)	6.4%								

Latest update: June 07, 2019

Analytical Data Sheet
Lot number **1000016967**