

Analytical Data Sheet

Lot number **1000012683**
not for drug use

Catalog number **G-1105.1000**
Product number **4002903.1000**
Product **Ac- Tyr- Phe- OH**
Molecular formula $C_{20}H_{22}N_2O_5$
Relative molecular mass 370.41

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (10 mg/ml in methanol)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 64.23 %</td><td>C = 63.83 %</td></tr><tr><td>H = 6.04 %</td><td>H = 5.71 %</td></tr><tr><td>N = 7.49 %</td><td>N = 7.48 %</td></tr></tbody></table> <p>calc. as 0.2 H₂O (1.0 %)</p>	Theory	Found	C = 64.23 %	C = 63.83 %	H = 6.04 %	H = 5.71 %	N = 7.49 %	N = 7.48 %
Theory	Found								
C = 64.23 %	C = 63.83 %								
H = 6.04 %	H = 5.71 %								
N = 7.49 %	N = 7.48 %								
Purity (TLC)	> 98%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.8%								

Latest update: February 21, 2019

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