

Analytical Data Sheet

Lot number **1073141**
not for drug use

Catalog number **G-2700.0001**
Product number **4001484.0001**
Product **H- Lys- Tyr- OH acetate salt**
Molecular formula **C₁₅H₂₃N₃O₄**
Relative molecular mass **309.37**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in water)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 55.3 %</td> <td>C = 55.2 %</td> </tr> <tr> <td>H = 7.4 %</td> <td>H = 7.3 %</td> </tr> <tr> <td>N = 11.4 %</td> <td>N = 11.2 %</td> </tr> </tbody> </table> <p>calc. x 1 AcOH (16.26 %)</p>	Theory	Found	C = 55.3 %	C = 55.2 %	H = 7.4 %	H = 7.3 %	N = 11.4 %	N = 11.2 %
Theory	Found								
C = 55.3 %	C = 55.2 %								
H = 7.4 %	H = 7.3 %								
N = 11.4 %	N = 11.2 %								
Identification (TLC)	complies with authentic material								
Melting point	208 °C								
Specific optical rotation	$[\alpha]_D^{24} = +34.8^\circ$ (1 % in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	82.8% (Nth 13.58 %, Nfd 11.25 %)								
Water content (KF volumetric)	0.5%								

Latest update: August 25, 2017

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