

## Analytical Data Sheet

Lot number **1054480**  
not for drug use

Catalog number **G-2700.0005**  
Product number **4001484.0005**  
Product **H- Lys- Tyr- OH acetate salt**  
Molecular formula **C<sub>15</sub>H<sub>23</sub>N<sub>3</sub>O<sub>4</sub>**  
Relative molecular mass **309.37**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in water)
Identification (elemental analysis)	Theory Found C = 55.3 % C = 55.2 % H = 7.4 % H = 7.3 % N = 11.4 % N = 11.2 %  calc. x 1 AcOH (16.26 %)
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 <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	82.8% (Nth 13.58 %, Nfd 11.25 %)
Water content (KF volumetric)	0.5%