

# Analytical Data Sheet

Lot number

## 1024794

not for drug use

<b>Catalog Number</b>	H-2558.0050
<b>Product number</b>	4026132.0050
<b>Product</b>	H- Lys- Pro- Tyr- OH acetate salt
<b>Molecular formula</b>	C <sub>20</sub> H <sub>30</sub> N <sub>4</sub> O <sub>5</sub>
<b>Relative molecular mass</b>	406.48

Tests	Results								
<b>Appearance</b>	white product								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in water)								
<b>Identification (FAB-MS)</b>	[M + H] <sup>+</sup> : m/z = 407 u								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 55.36 %</td> <td>C = 55.03 %</td> </tr> <tr> <td>H = 7.43 %</td> <td>H = 7.75 %</td> </tr> <tr> <td>N = 11.74 %</td> <td>N = 11.62 %</td> </tr> </table> <p>calc. as 0.6 H<sub>2</sub>O (2.3 %) x AcOH (12.6 %)</p>	Theory	Found	C = 55.36 %	C = 55.03 %	H = 7.43 %	H = 7.75 %	N = 11.74 %	N = 11.62 %
Theory	Found								
C = 55.36 %	C = 55.03 %								
H = 7.43 %	H = 7.75 %								
N = 11.74 %	N = 11.62 %								
<b>Purity (TLC)</b>	> 98%								
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Water content (KF volumetric)</b>	2.2%								
<b>Acetic acid content (HPLC)</b>	14.2%								
Latest update: April 11, 2011									