

# Analytical Data Sheet

Lot number

**1044396**

not for drug use

<b>Catalog Number</b>	<b>H-8865.0005</b>
<b>Product number</b>	<b>4017794.0005</b>
<b>Product</b>	<b>(D- Arg<sup>2</sup>, Lys<sup>4</sup>) - Dermorphin (1- 4) amide</b> H- Tyr- D- Arg- Phe- Lys- NH <sub>2</sub>
<b>Molecular formula</b>	C <sub>30</sub> H <sub>45</sub> N <sub>9</sub> O <sub>5</sub>
<b>Relative molecular mass</b>	611.75

Tests	Results	
<b>Appearance</b>	white powder	
<b>Identification (FAB-MS)</b>	[M + H] <sup>+</sup> : m/z = 612 u	
<b>Amino acid analysis</b>	Tyr 1.00 (1) Arg 0.92 (1) Phe 1.09 (1) Lys 0.92 (1)	
<b>Solubility</b>	soluble 50mg/ml in H <sub>2</sub> O	
<b>Purity (HPLC)</b>	98.9% (TFA) 98.8% (TEAP)	
<b>Assay (elemental analysis)</b>	55% (Nth 20.61 %, Nfd 11.36 %)	
<b>General comment</b>	the product contains TFA	
Latest update: September 03, 2012		<b>Analytical Data Sheet</b> Lot number <b>1044396</b>