

# Analytical Data Sheet

Lot number

## 1027970

not for drug use

<b>Catalog Number</b>	<b>H-3492.0001</b>
<b>Product number</b>	<b>4026770.0001</b>
<b>Product</b>	<b>Leptin (126- 140) (human)</b> H- Glu- Thr- Leu- Asp- Ser- Leu- Gly- Gly- Val- Leu- Glu- Ala- Ser- Gly- Tyr- OH
<b>Molecular formula</b>	$C_{65}H_{103}N_{15}O_{26}$
<b>Relative molecular mass</b>	1510.62

Tests	Results	
<b>Appearance</b>	white lyophilizate	
<b>Identification (FAB-MS)</b>	[M + H] <sup>+</sup> : m/z = 1510 u	
<b>Amino acid analysis</b>	Asx 1.00 (1)    Leu* 1.69 (1) Glx 1.78 (2)    Ser 1.45 (2) Val* 0.28 (1)    Ala 0.98 (1) Thr 0.55 (1)    Tyr 1.38 (1) Gly 2.65 (3)  * longer hydrolysis is needed to destroy Val-Leu bond	
<b>Solubility</b>	soluble in water	
<b>Purity (HPLC)</b>	97.6% (TFA) 97.1% (TEAP)	
<b>Assay (elemental analysis)</b>	89% (Nth 13.91 %, Nfd 12.42 %)	
Latest update: December 04, 2009		<b>Analytical Data Sheet</b> Lot number <b>1027970</b>