




# Chengdu KaiJie Biopharm Co., Ltd.

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## Certification of Analysis

<b>Product Name</b>		<b>Vapreotide Acetate</b>	
<b>CAS. No.</b>	103222-11-3	<b>Molecular Weight</b>	1132.5(net)
<b>Molecular Formula</b>	$C_{57}H_{72}N_{12}O_9S_2$	<b>Batch No.</b>	20090226
<b>Storage</b>	2~8 °C	<b>Expiry Date</b>	2 years
<b>Manufacturing Date</b>	02/26/2009	<b>Retest Date</b>	02/25/2011
<b>Sequence</b>	<div style="text-align: center;">  <p>D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-Trp-NH<sub>2</sub></p> </div>		
<b>TEST</b>		<b>SPECIFICATION</b>	<b>RESULT</b>
1	<b>Appearance</b>	White or slightly yellowish powder	Complies
2	<b>Appearance of Solution</b>	Clear, colorless to slightly colored solution in water(10mg/ml)	Complies
3	<b>Identification by HPLC</b>	The retention is same with the reference substance	Complies
4	<b>Amino Acid Composition</b>	±15% except Trp and Cys Trp: Detected Cys: 1.4~2.1	Complies
5	<b>Peptide Purity(By HPLC)</b>	≥ 98.0	99.79%
6	<b>Related Substance(By HPLC)</b>	Total Impurities(%)≤ 2.0% Largest Single Impurity(%)≤ 1.0%	0.21 % 0.14%
7	<b>Acetate Content(By HPLC)</b>	≤ 12%	5.8%
8	<b>Water Content(Karl Fischer)</b>	≤ 5.0%	2.0 %
9	<b>Sterility</b>	≤ 10 CFU/100 mg	Complies
10	<b>Bacterial Endotoxins</b>	≤ 55.5 IU/mg	Complies
11	<b>Assay(By anhydrous,acetic acid-free)</b>	95% ~102%	97.5%

Quality Control By Zhouzhongbing

Date: 2009-03-05

Quality Assurance Department