



Chengdu Kaijie Biopharm Co., Ltd.

KAIJIE

Segment 1, Industrial Road, Dayi County, Chengdu, Sichuan, P. R. China, 611330

Tel: 86-28-88208155, Fax: 86-28-88203632 WEB: www.kjpep.com

Nesiritide Acetate (BNP-32)

Product Name		Nesiritide Acetate	
Molecular Formula		$C_{143}H_{244}N_{50}O_{42}S_4$	Batch No. 20100702
Molecular Weight		3464.04	Manufacturing Date 07/2010
Storage		2~8°C	Retest Date 06/2012
Sequence		Ser-Pro-Lys-Met-Val-Gln-Gly-Ser-Gly-Cys-Phe-Gly-Arg- Lys-Met-Asp-Arg-Ile-Ser-Ser-Ser-Ser-Gly-leu-Gly-Cys- Lys-Val-Leu-Arg-Arg-His-OH	
TEST		SPECIFICATION	RESULT
1	Appearance	White to off-white powder	white powder
2	Solubility	Soluble in 1% acetic acid to give a clear, colorless solution	Complies
3	Identification (By HPLC)	Major peak in the sample is similar to that in the standard	Complies
4	Specific Optical Rotation	$-75.0 \sim -90.0^\circ [\alpha]_D^{20} (c=0.5, 1\% \text{HAc})$	-86.2°
5	Water Content (Karl Fischer)	≤8.0%	2.48%
6	Acetic Acid (By HPLC)	7~15.0%	13.76%
7	Amino Acid Composition	Arg: 3.60~4.40 Asp, Glu, His, Ile, Phe, Pro: 0.80~1.20 Cys, Leu, Met, Val: 1.60~2.40 Gly: 4.50~5.50 Lys: 2.70~3.30 Ser: 5.40~6.60	Complies
8	Purity (By HPLC)	≥95.0%	98.89%
9	Largest Single Impurity (By HPLC)	≤2.0%	1.11%
10	Bacterial Endotoxins	≤5EU/mg	Complies
11	Assay	95.0~103.0%	100.05%

 Quality Control By Zhouzhongbing

 Date: 2010-07-22

Quality Assurance Department