


Bremelanotide Acetate (PT141)

Product Name	<i>Bremelanotide Acetate</i>	CAS No.	32780-32-8
Molecular Formula	$C_{50}H_{68}N_{14}O_{10}$	Batch No.	20100619
Molecular Weight	1025.2	Manufacturing Date	06/19/2010
Storage	2 ~ 8 °C	Retest Date	06/18/2012
Sequence	<div style="text-align: center;">  <p>Ac-Nle-Asp-His-D-Phe-Arg-Trp-Lys-OH</p> </div>		
TEST		SPECIFICATION	RESULT
1	Appearance	White powder	White powder
2	Solubility	Soluble in water and 1% acetic acid	Conforms
3	Specific Optical Rotation	-50° ~ -60° (c=1, 1% HAc)	-55.65°
4	Amino Acid Composition	±20% of theoretical	Conforms
5	Peptide Purity (By HPLC)	≥ 98.0% by area integration	99.67%
6	Related Substance (By HPLC)	Total Impurities(%) ≤ 2.0% Largest Single Impurity(%) ≤ 1.0%	0.33% 0.15%
7	Acetate Content (By HPLC)	≤ 15.0%	13.32%
8	Water Content (Karl Fischer)	≤ 8.0%	2.35%
9	Bacterial Endotoxins	≤ 5 EU/mg	Conforms
10	Assay (By anhydrous, acetic acid-free)	95.0 ~ 105.0%	99.50%

Quality Control By Zhouzhongbing Date: 2010-07-19

Quality Assurance Department