



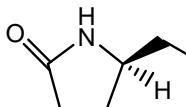
Chengdu KaiJie Biopharm Co., Ltd.

KAIJIE

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Certification of Analysis

Product Name		Deslorelin Acetate	
CAS. No.	57773-65-6	Molecular Weight	1281.64
Molecular Formula	$C_{64}H_{83}N_{17}O_{12}$	Batch No.	20100814
Storage	2 ~ 8 °C	Expiry Date	2 years
Manufacturing Date	08/14/2010	Retest Date	08/13/2012
Sequence	 His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-NHEt		
TEST		SPECIFICATION	RESULT
1	Appearance	White powder or almost white powder	Complies
2	Identity by HPLC	The retention is same with the reference substance	Complies
3	Amino Acid Composition	Glu: 0.85 ~ 1.10 Pro: 0.85 ~ 1.10 Leu: 0.90 ~ 1.10 Tyr: 0.85 ~ 1.10 His: 0.85 ~ 1.10 Arg: 0.85 ~ 1.10 Ser: Present Trp: Present	0.95 1.03 1.01 0.99 1.00 0.98 0.90 determined
4	Purity (By HPLC)	≥ 98.0%	99.01%
5	Related Substance (By HPLC)	Total Impurities (%) ≤ 2.0% Largest Single Impurity (%) ≤ 0.5%	0.99% 0.35%
6	Acetate Content (By HPLC)	≤ 12.0%	9.58%
7	Water Content (Karl Fischer)	≤ 8.0%	2.75%
8	Peptide Content (N%)	≥ 80.0%	86.22%
9	Bacterial Endotoxins	≤ 70 IU/mg	Complies
10	Assay (By anhydrous, acetic acid-free)	95% ~ 105%	98.55%

 Quality Control By Zhouzhongbing

 Date: 2010-08-19

Quality Assurance Department