

## Certification of Analysis

<b>Product Name</b>	PT Acetate	<b>CAS No.</b>	
<b>Molecular</b>	C50H68N14O10	<b>Batch No.</b>	P250115-LC471226
<b>Molecular Weight</b>	1025.2	<b>Manufacturing Date</b>	01.04.2025
<b>Storage</b>	Cool dry place	<b>Retest Date</b>	01.04.2025
<b>Sequence</b>	Ac-Nle-(Cyclo)Asp-His-D-Phe-Arg-Trp-Lys-OH Chemical Bridge Asp2-Lys7		
<b>TEST</b>		<b>SPECIFICATION</b>	<b>RESULT</b>
1	<b>Appearance</b>	White powder	White powder
2	<b>Solubility</b>	Soluble in water or acetic acid to give a clear, colorless solution	Conforms
3	<b>Identification (MS)</b>	$1025.2 \pm 1.0$	1025.8
3	<b>Amino Acid Composition</b>	$\pm 10\%$ of theoretical	Conforms
4	<b>Peptide Purity (By HPLC)</b>	$\geq 98.0\%$ by area integration	99.05%
5	<b>Related Substance (By HPLC)</b>	Total Impurities( $\leq 2.0\%$ ) Largest Single Impurity( $\leq 1.0\%$ )	0.95% 0.55%
6	<b>Acetate Content (By HPLC)</b>	$\leq 15.0\%$	14.6%
7	<b>Water Content (Karl Fischer)</b>	$\leq 8.0\%$	4.7%
8	<b>Bacterial Endotoxins</b>	$\leq 5\text{EU/mg}$	Conforms
9	<b>Peptide Content (N determination)</b>	$\geq 80.0\%$	82.3%
10	<b>Assay (By Anhydrous, Acetic Acid-free)</b>	95.0~105.0%	101.6%