

Batch no 20241201
Mf date Dec 2024
Retest May 2027

Sequence D-Ala-D-β-Nal-Ala-Trp-D-Phe-Lys-NH₂
Molecular Formula C₄₅H₅₅N₉O₆
Molecular Weight 817.97

Feb 13 2025

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White powder	Conforms
Solubility	Soluble in water or in acetic acid to give a clear, colorless solution	Conforms
Identification (MS)	817.97±1.0	817.8
Amino acid composition	±10% of theoretical	Conforms
Related substance (HPLC)	Largest single impurity ≤ 2.0%	0.22%
	Total impurities ≤ 5.0%	0.56%
Acetate (HPLC)	≤ 15.0%	13.5%
Water (KF)	≤ 8.0%	2.0%
Bacterial endotoxins	≤ 5 EU/mg	Conforms
Peptide content (N determination)	≥ 80.0%	83.5%
Peptide purity (HPLC)	≥ 95.0% by area integration	99.44%
Assay (by anhydrous, acetic acid-free)	95.0 ~ 105.0%	99.0%

Long time storage	Store at 2 ~ 8°C
Conclusion	Material complies with in-house standard