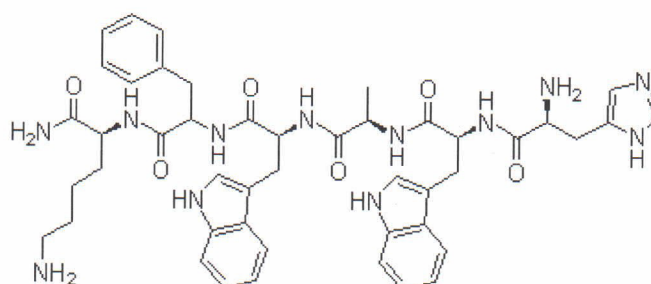


Batch no 20230901
 Mf date Sep 2023
 Retest Aug 2025

Molecular Structure



His-D-Trp-Ala-Trp-D-Phe-Lys-NH₂

Molecular Formula C₄₆H₅₆N₁₂O₆
 Molecular Weight 873.01
 CAS Registry Number 87616-84-0

Oct 16 2023

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White powder	Conforms
Solubility	Soluble in water or acetic acid to give a clear, colorless solution	Conforms
Identification (MS)	873.01±1.0	872.6
Amino acid composition	±10% of theoretical	Conforms
Related substance (HPLC)	Largest single impurity ≤ 1.0%	0.09%
	Total impurities ≤ 2.0%	0.23%
Acetate (HPLC)	≤ 15.0%	13.6%
Water (KF)	≤ 8.0%	2.3%
Peptide content (N determination)	≥ 80.0%	83.1%
Peptide purity (HPLC)	≥ 98.0% by area integration	99.7%
Assay (by anhydrous, acetic acid-free)	95.0 ~ 105.0%	99.0%

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