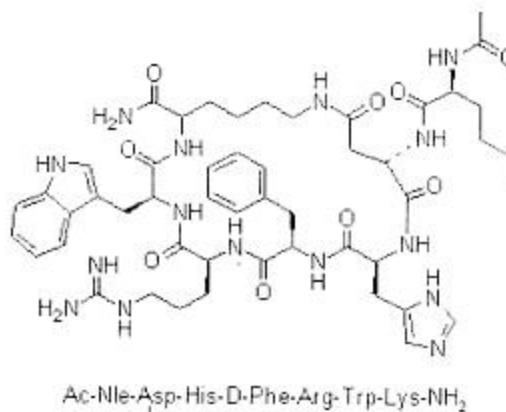




Batch no 20220801
Mf date Aug 2022
Retest Jul 2024

Molecular Structure



Molecular Formula C₅₀H₆₉N₁₅O₉
Molecular Weight 1024.2
CAS Registry Number 121062-08-6

Dec 07 2022

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White powder	Conforms
Solubility	Soluble in water or 1% acetic acid at a concentration of $\geq 1\text{mg/mL}$ to give a clear, colorless solution	Conforms
Identification	Monoisotopic mass: 1024.2 ± 1.0	1023.8
Specific optical rotation	$-50 \sim -60^\circ$ [α] ²⁰ _D (c=0.5, 10% HAc)	-58.4°
Peptide purity (HPLC)	$\geq 98.0\%$ by area integration	99.9%
Related substances (HPLC)	Largest single impurity $\leq 1.0\%$ Total impurities $\leq 2.0\%$	0.05% 0.1%
Acetate content	$\leq 15.0\%$	11.5%
Water (KF)	$\leq 8.0\%$	2.0%
Assay (by anhydrous, acetic acid-free)	$95.0 \sim 105.0\%$	99.0%

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

