

## RESEARCH ONLY

# Certificate of Analysis

## Thymosin Beta 4 2mg (TB500)

Cat. No: THY2-024  
CAS No: 77591-33-4  
PubChem CID: 16132341  
Chemical Name: Thymosin Beta 4 2mg (TB500)  
MG: 2mg

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>212</sub>H<sub>350</sub>N<sub>56</sub>O<sub>78</sub>S

Molecular Weight: 4963.0g/mol

Storage: Powder: -20°C 3 years ; 4°C 2 years ; 15°C 3 month  
In solvent: -80°C 6 months ; -2°C 1 month ; 10°C 1 week

Chemical Structure: Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-Lys-Phe-Asp-Lys-Ser-Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Gly-Glu-Ser-OH

## ANALYTICAL DATA

Test Items	Specifications	Results
Appearance:	White to off-white lyophilized solid powder	Conforms
Purity (HPLC):	>98.7%	99.2%
TFA Content:	<0.50%	Conforms

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.