

Certificate of Analysis

Product Name	Thymosin β 4 (human, bovine, horse, rat)
Catalog No.	V36672
Batch No.	V3667201

1. Physical and Chemical Properties

Appearance	powder
Molecular Formula	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S
Molecular Weight	4963.44085168839
Purity	=99.89%
CAS No.	77591-33-4
Production Date	
Retest Date	2028-12-12

2. Analytical Data

Test Item	Specification	Result
HPLC	$\geq 98\%$	=99.89%
NMR	Consistent with structure	Confirms
Mass Spectrum	Consistent with structure	Confirms

3. 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

4. Storage Condition

Storage Condition	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Products are for research use only • Not for human or veterinary use