



LKT Laboratories, Inc.
Thymosin B-4 Acetate

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Product Information

Product ID T3098

CAS No. 77591-33-4

Chemical Name

Synonym Thymosin B4

Formula C₂₁₂H₃₅₀N₅₆O₇₈S

Formula Wt. 4963.49

Melting Point

Purity ≥85%

Solubility Soluble in water (1 mg/mL).

Store Temp -20° C

Ship Temp Ambient

Description Thymosin B-4 is an endogenous pro-angiogenic, fibroblast-activating peptide that is involved in hormone regulation. Thymosin B-4 also exhibits immunomodulatory and cardioprotective activities. Thymosin B-4 improves wound healing in cardiac issue and improves cardiac function in vivo. Thymosin B-4 binds G-actin filaments, preventing actin polymerization.

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

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T3098	1 mg	\$94.50
T3098	10 mg	\$393.80
T3098	50 mg	\$1323.00

References Qian L, Huang Y, Spencer CI, et al. In vivo reprogramming of murine cardiac fibroblasts into induced cardiomyocytes. Nature. 2012 May 31;485(7400):593-8. PMID: 22522929.

Wolfe MW, Vakharia DD, Wise TH, et al. Characterization of secretion of thymosin alpha 1 and thymosin beta 4 during prepuberty, estrus and pregnancy in the bovine female. Domest Anim Endocrinol. 1989 Jan;6(1):71-8. PMID: 2917466.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.