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Product Information

Product ID T3096 CAS No. 62304-98-7

Chemical Name

Synonym Thymalfasin, Zadaxin

Formula C₁₂₉H₂₁₅N₃₃O₅₅

Formula Wt. 3108.3

Melting Point

Purity ≥95%

Solubility Soluble in water.

Ac-Ser-Asp-Ala-Ala-Val-Asp-Thr-Ser-Ser-Glu-Ile-Thr-Thr-Lys-Asp-Leu-Lys-Glu-Lys-Lys-Glu-Val-Val-Glu-Glu-Ala-Glu-Asn

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
T3096	10 mg	\$441.00
T3096	50 mg	\$1378.10
T3096	1 g	\$6300.00

Store Temp -20°C Ship Temp Ambient

Description Thymosin α-1 is an endogenous immunostimulatory peptide that is used to treat immune deficiency diseases and to enhance vaccine immunogenicity. Thymosin α-1 enhances T-cell, dendritic cell, and antibody responses in vitro and inhibits steroidinduced thymocyte apoptosis. During transplants, thymosin α-1 activates indoleamine 2,3-dioxygenase, promoting immune tolerance. In vitro, this peptide modulates CD4+ CD25+ Foxp3+ Treg cells and pro-inflammatory cytokine levels.

References Tuthill C, Rios I, De Rosa A, et al. Thymosin α1 continues to show promise as an enhancer for vaccine response. Ann N Y Acad Sci. 2012 Oct;1270:21-7. PMID: 23050813.

> Romani L, Moretti S, Fallarino F, et al. Jack of all trades: thymosin α1 and its pleiotropy. Ann N Y Acad Sci. 2012 Oct;1269:1-6. PMID: 23045964.

> Yang X, Qian F, He HY, et al. Effect of thymosin alpha-1 on subpopulations of Th1, Th2, Th17, and regulatory T cells (Tregs) in vitro. Braz J Med Biol Res. 2012 Jan;45(1):25-32. PMID: 22245858.

Wan J. Shan Y. Shan H, et al. Thymosin-alpha1 promotes the apoptosis of regulatory T cells and survival rate in septic mice. Front Biosci (Landmark Ed). 2011 Jun 1;16:3004-13. PMID: 21622217.

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