



# LKT Laboratories, Inc.

## Thymosin $\alpha$ -1 Acetate

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### Product Information

Product ID T3097  
CAS No. 62304-98-7  
Chemical Name

Synonym Thymalfasin acetate

Formula  $C_{129}H_{215}N_{33}O_{55}$   
Formula Wt. 3108.3

Melting Point

Purity  $\geq 95\%$

Solubility Soluble in water (1 mg/mL).

Store Temp  $-20^{\circ}\text{C}$

Ship Temp Ambient

Description Thymosin  $\alpha$ -1 is an endogenous immunomodulatory peptide involved in hormone regulation. Thymosin  $\alpha$ -1 is clinically used to increase efficacy of antiviral agents. Production of thymosin  $\alpha$ -1 is regulated by melatonin signaling.

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 quantities available upon request*

Product ID	Size	List Price
T3097	1 mg	\$94.50
T3097	10 mg	\$315.00
T3097	50 mg	\$1378.10

References Lai CL, Wu PC. Antiviral treatment for chronic hepatitis B. Hong Kong Med J. 1997 Sep;3(3):289-296. PMID: 11847374.

Molinero P, Soutto M, Benot S, et al. Melatonin is responsible for the nocturnal increase observed in serum and thymus of thymosin alpha1 and thymulin concentrations: observations in rats and humans. J Neuroimmunol. 2000 Mar 1;103(2):180-8. PMID: 10696913.

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.