

Product: Thymosin α_1 Acetate (Thymalfasin)
Catalog #: 12-4247
Amount: 1 mg

DESCRIPTION: Thymosin α_1 acetate, also known as thymalfasin has immunoregulatory properties enhancing immune functions. Thymosin α_1 has a molecular formula of $C_{129}H_{215}N_{33}O_{55}$ a.a. sequence of : 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-OH and having a MW of 3108.32.

SOURCE: Synthetic peptide

PURITY: > 99%, as determined by:
(a) Analysis by RP-HPLC and anion-exchange FPLC
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

ENDOTOXIN: < 0.1 ng/ μ g (IEU/ μ g) of Thymosin α_1

DIMERS & AGGREGATES: < 1% as determined by silver stained SDS-PAGE gel analysis

PROTEIN CONTENT: Protein quantitation was carried out by 2 independent methods:
- UV spectroscopy at 280 nm
- Analysis by RP-HPLC, using a standard solution of Thymosin α_1 as a Reference Standard

FORM: Purified, in 0.1 % BSA

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

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