

THYMALFASIN

Cas No: 62304-98-7

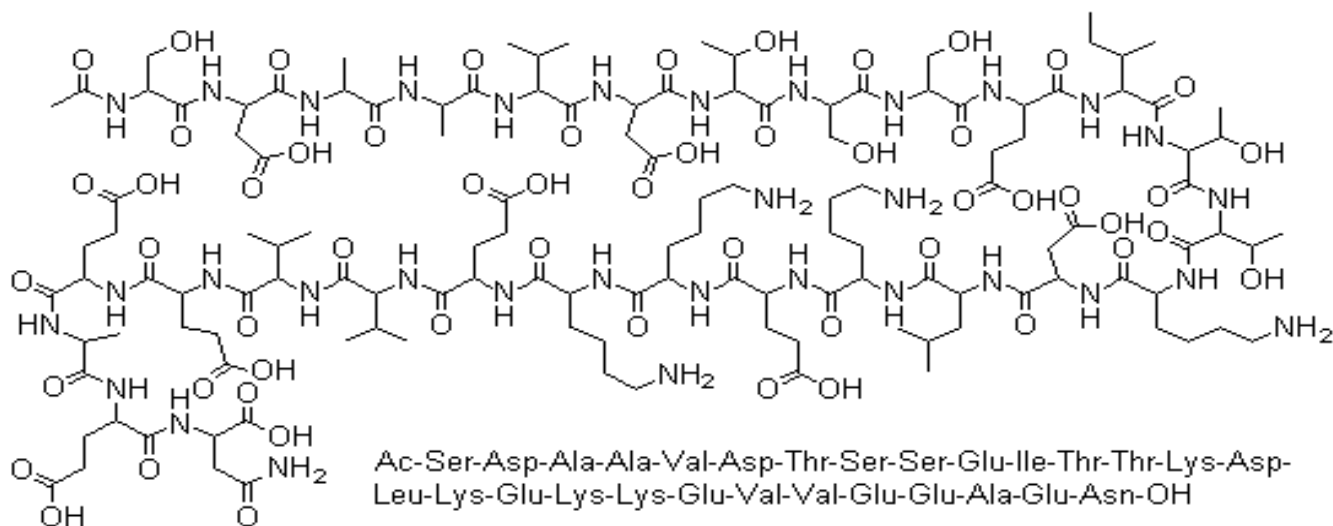
Summenformel: C₁₂₉H₂₁₅N₃₃O₅₅

Molekulargewicht: 3108.3 g/mol

Source: Synthetic

Synonym: Thymosin α 1 Acetate, thymosin A1 bovine, Zadaxin

Sequenz: 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,
Ac-SDAAVDTSEITTKDLKEKVVVEEAEN



Strukturformel von Thymalfasin
Research Use Product only

Thymalfasin is a 28-amino acid polypeptide produced synthetically but originally isolated from thymosin fraction 5, a bovine thymus extract containing a number of immunologically active peptides. In vitro studies have shown that Thymalfasin can influence T-cell production and maturation, stimulate production of Th1 cytokines such as interferon-gamma and interleukin-2, and activate natural killer cell-mediated cytotoxicity. Thymalfasin has immunoregulatory properties enhancing immune functions. Antiviral, angiogenic, and wound healing effects of thymalfasin have been observed as well. Thymalfasin is a chemically synthesized version of thymosin alpha 1 that is identical to human thymosin alpha 1. Thymosin alpha 1 is an acetylated polypeptide. Thymosin alpha 1 is now approved in 35 developing countries for the treatment of Hepatitis B and C. It is also used to boost the immune response in the treatment of other diseases. Indicated as an adjuvant for influenza vaccine in elderly patients and as an adjuvant for both influenza and hepatitis B vaccines in chronic hemodialysis patients who failed to achieve adequate antibody titers from previous immunization.

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