Thymalfasin

**Cat. No.**: HY-P0091  
**CAS No.**: 62304-98-7  
**Molecular Formula**: C₁₂₉H₂₁₅N₃₃O₅₅  
**Molecular Weight**: 3108.28

**Sequence**: N-acetyl-Ser-Asp-Ala-Ala-Val-Asp-Thr-Ser-Ser-Glu-Ile-Thr-Thr-Lys-Asp-Leu-Lys-\(\text{N-acetyl-SDAAVTSSSEITKDLKEKKEVVEEAEEN}\)  
**Sequence Shortening**: Ac-SDAAVTSSSEITKDLKEKKEVVEEAEEN

**Target**: Others  
**Pathway**: Others

**Storage**:  
**Powder**  
-80°C: 2 years  
-20°C: 1 year

**In solvent**  
-80°C: 6 months  
-20°C: 1 month

**SOLVENT & SOLUBILITY**

**In Vitro**  
\(\text{H}_2\text{O} : 0.3 \text{ mg/mL (0.10 mM; Need ultrasonic and warming)}\)

**BIOLOGICAL ACTIVITY**

**Description**  
Thymalfasin is an immunomodulating agent able to enhance the Thl immune response.

**In Vitro**  
Thymalfasin has been shown to have efficacy in multiple experimental models of immune dysfunction, mainly, infectious diseases such as hepatitis (woodchuck) and influenza (mouse), and cancer such as melanoma (mouse) and colorectal carcinoma (rat) where thymalfasin has shown antitumor effects[2].

**In Vivo**  
Thymalfasin has been shown to have efficacy in multiple experimental models of immune dysfunction, mainly, infectious diseases such as hepatitis (woodchuck) and influenza (mouse), and cancer such as melanoma (mouse) and colorectal carcinoma (rat) where thymalfasin has shown antitumor effects[2].

**REFERENCES**

