

Serum thymic factor

Cat. No.:	HY-P3206
CAS No.:	63958-90-7
Molecular Formula:	C ₃₃ H ₅₄ N ₁₂ O ₁₅
Molecular Weight:	858.85
Sequence:	{Pyr}-Ala-Lys-Ser-Gln-Gly-Gly-Ser-Asn
Sequence Shortening:	{Pyr}-AKSQGGSN
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Serum thymic factor (Thymulin) is a zinc-dependent immunomodulatory peptide. Serum thymic factor induces hyperalgesia. Serum thymic factor protects rats from Cephaloridine (HY-B2072)-induced nephrotoxicity by inhibiting ERK activation. Serum thymic factor has anti-diabetic, analgesic and anti-inflammatory effects^{[1][2][3]}.

REFERENCES

- [1]. Dardenne M, et al. Role of thymulin or its analogue as a new analgesic molecule. *Ann N Y Acad Sci.* 2006 Nov;1088:153-63.
- [2]. Mizutani M, et al. In vivo administration of serum thymic factor (FTS) prevents EMC-D virus-induced diabetes and myocarditis in BALB/cAJcl mice. *Arch Virol.* 1996;141(1):73-83.
- [3]. Kohda Y, et al. Protective effect of serum thymic factor, FTS, on cephaloridine-induced nephrotoxicity in rats. *Biol Pharm Bull.* 2005 Nov;28(11):2087-91.

Caution: Product has not been fully validated for medical applications. For research use only.

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