



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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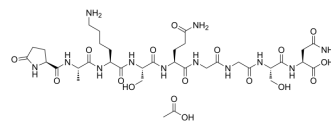
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## Serum thymic factor acetate

<b>Cat. No.:</b>	HY-P3206A
<b>CAS No.:</b>	125117-65-9
<b>Molecular Formula:</b>	C <sub>35</sub> H <sub>58</sub> N <sub>12</sub> O <sub>17</sub>
<b>Molecular Weight:</b>	918.91
<b>Sequence:</b>	{Pyr}-Ala-Lys-Ser-Gln-Gly-Gly-Ser-Asn
<b>Sequence Shortening:</b>	{Pyr}-AKSQGGSN
<b>Target:</b>	ERK
<b>Pathway:</b>	MAPK/ERK Pathway; Stem Cell/Wnt
<b>Storage:</b>	Sealed storage, away from moisture
	Powder    -80°C    2 years
	-20°C    1 year



\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 100 mg/mL (108.82 mM)

\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		1.0882 mL	5.4412 mL	10.8825 mL
	5 mM		0.2176 mL	1.0882 mL	2.1765 mL
	10 mM		0.1088 mL	0.5441 mL	1.0882 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Serum thymic factor acetate (Thymulin acetate) is the acetate salt form of Serum thymic factor (HY-P3206). Serum thymic factor acetate is a zinc-dependent immunomodulatory peptide hormone, which can be produced by the thymic epithelial cells. Serum thymic factor acetate stimulates the release of hormones from the pituitary gland, exhibits hypophysiotropic activity. Serum thymic factor acetate protects rats from Cephaloridine (HY-B2072)-induced nephrotoxicity by inhibiting ERK activation. Serum thymic factor acetate exhibits anti-diabetic, anti-inflammatory and analgesic effects. Serum thymic factor acetate can be used in research about endocrine, reproductive, neurodegenerative and inflammatory diseases<sup>[1][2][3][4]</sup>.

### REFERENCES

[1]. Pardo J, et al. Physiology, molecular biology and therapeutic potential of the thymic peptide thymulin[J]. Physiological Mini Reviews (PMR), 2012, 6.

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- [2]. 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.
- [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.
- [4]. 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.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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