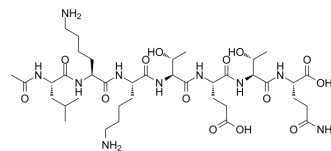


TB500

Cat. No.:	HY-P0170
CAS No.:	885340-08-9
Molecular Formula:	C ₃₈ H ₆₈ N ₁₀ O ₁₄
Molecular Weight:	889
Sequence:	N-Acetyl-Leu-Lys-Lys-Thr-Glu-Thr-Gln
Sequence Shortening:	Ac-LKKTETQ
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (281.21 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.1249 mL	5.6243 mL	11.2486 mL
	5 mM	0.2250 mL	1.1249 mL	2.2497 mL
	10 mM	0.1125 mL	0.5624 mL	1.1249 mL

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

BIOLOGICAL ACTIVITY

Description

TB500 is a synthetic version of an active region of thymosin β_4 . TB500 is claimed to promote endothelial cell differentiation, angiogenesis in dermal tissues, keratinocyte migration, collagen deposition and decrease inflammation^[1].

REFERENCES

[1]. Emmie N M Ho, et al. Doping control analysis of TB-500, a synthetic version of an active region of thymosin β_4 , in equine urine and plasma by liquid chromatography-mass spectrometry. J Chromatogr A. 2012 Nov 23;1265:57-69.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA