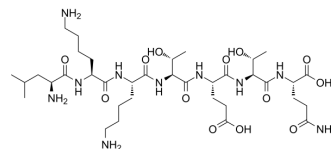


## Fequesetide

<b>Cat. No.:</b>	HY-P2463
<b>CAS No.:</b>	476014-70-7
<b>Molecular Formula:</b>	C <sub>36</sub> H <sub>66</sub> N <sub>10</sub> O <sub>13</sub>
<b>Molecular Weight:</b>	846.97
<b>Sequence:</b>	Leu-Lys-Lys-Thr-Glu-Thr-Gln
<b>Sequence Shortening:</b>	LKKTETQ
<b>Target:</b>	Arp2/3 Complex
<b>Pathway:</b>	Cytoskeleton
<b>Storage:</b>	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

H<sub>2</sub>O : ≥ 100 mg/mL (118.07 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.1807 mL	5.9034 mL	11.8068 mL
	5 mM	0.2361 mL	1.1807 mL	2.3614 mL
	10 mM	0.1181 mL	0.5903 mL	1.1807 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Fequesetide, a peptide segment, is the active site within the protein thymosin β<sub>4</sub> responsible for actin binding, cell migration and wound healing<sup>[1]</sup>.

### REFERENCES

[1]. Emmie N M Ho, et al. Doping control analysis of TB-500, a synthetic version of an active region of thymosin β<sub>4</sub>, in equine urine and plasma by liquid chromatography-mass spectrometry. J Chromatogr A. 2012 Nov 23;1265:57-69.

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

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