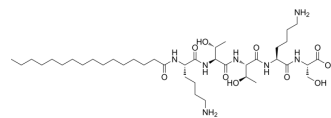


## Palmitoyl pentapeptide 4

**Cat. No.:** HY-P0045  
**CAS No.:** 214047-00-4  
**Molecular Formula:** C<sub>39</sub>H<sub>75</sub>N<sub>7</sub>O<sub>10</sub>  
**Molecular Weight:** 802.05  
**Sequence:** {Pal}-Lys-Thr-Thr-Lys-Ser  
**Sequence Shortening:** {Pal}-KTTKS  
**Target:** Others  
**Pathway:** Others  
**Storage:** 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

DMSO : 66.67 mg/mL (83.12 mM; ultrasonic and adjust pH to 3 with 1M HCl)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.2468 mL	6.2340 mL	12.4681 mL
	5 mM	0.2494 mL	1.2468 mL	2.4936 mL
	10 mM	0.1247 mL	0.6234 mL	1.2468 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Palmitoyl pentapeptide 4 (Matrixyl; Palmitoyl pentapeptide 3; Matrixyl (Palmitoyl Pentapeptide) is a bioactive peptide with anti-ageing effect and has been reported used as a cosmetic ingredient<sup>[1]</sup>

### REFERENCES

[1]. Gorouhi F, et al. Role of topical peptides in preventing or treating aged skin. Int J Cosmet Sci. 2009;31(5):327-345.

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

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