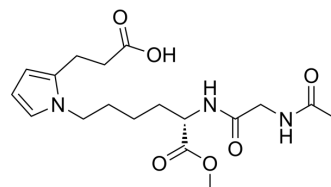


## CEP dipeptide 1

<b>Cat. No.:</b>	HY-16959
<b>CAS No.:</b>	816432-15-2
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>27</sub> N <sub>3</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	381.42
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<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 : 10 mg/mL (26.22 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6218 mL	13.1089 mL	26.2178 mL
	5 mM	0.5244 mL	2.6218 mL	5.2436 mL
	10 mM	0.2622 mL	1.3109 mL	2.6218 mL

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

### BIOLOGICAL ACTIVITY

#### Description

CEP dipeptide 1 is a CEP dipeptide with potent angiogenic activity; mediators of age-related macular degeneration (AMD).

### CUSTOMER VALIDATION

- Am J Pathol. 2017 Oct;187(10):2208-2221.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

[1]. Lu L, et al. Synthesis and structural characterization of carboxyethylpyrrole-modified proteins: mediators of age-related macular degeneration. Bioorg Med Chem. 2009 Nov 1;17(21):7548-61.

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[2]. Wang H, et al. 4-Hydroxy-7-oxo-5-heptenoic Acid (HOHA) Lactone is a Biologically Active Precursor for the Generation of 2-( $\omega$ -Carboxyethyl)pyrrole (CEP) Derivatives of Proteins and Ethanolamine Phospholipids. Chem Res Toxicol. 2015 May 18;28(5):967-77.

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

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