CEP dipeptide 1

Cat. No.: HY-16959

CAS No.: 816432-15-2

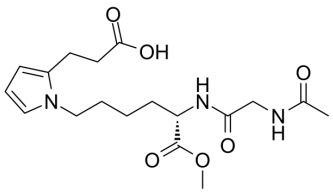
Molecular Formula: $C_{18}H_{27}N_3O_6$

Molecular Weight: 381.42

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

H_2O : 10 mg/mL (26.22 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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.

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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.

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

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