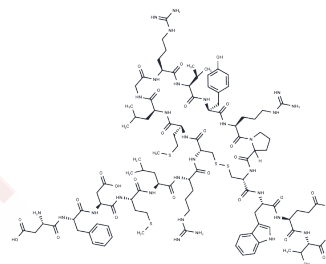


MCH(human, mouse, rat)

## Chemical Properties

CAS No. : 128315-56-0  
 Formula: C105H160N30O26S4  
 Molecular Weight: 2386.84  
 Storage: Keep away from moisture  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	MCH(human, mouse, rat) is a potent endogenous agonist at melanin-concentration hormone (MCH) receptors (IC50 values are 0.3 and 1.5 nM and EC50 values are 3.9 and 0.1 nM at MCH1 and MCH2 receptors respectively). Increases food intake in vivo.
Targets(IC50)	Melanin-concentrating Hormone Receptor (MCHR),GPCR

## Solubility Information

Solubility	H2O: 1 mg/mL (0.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.419 mL	2.0948 mL	4.1896 mL
5 mM	0.0838 mL	0.419 mL	0.8379 mL
10 mM	0.0419 mL	0.2095 mL	0.419 mL
50 mM	0.0084 mL	0.0419 mL	0.0838 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Sailer et al (2001) Identification and characterization of a second melanin-concentrating hormone receptor, MCH-2R. Proc.Natl.Acad.Sci.USA 98 7564

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