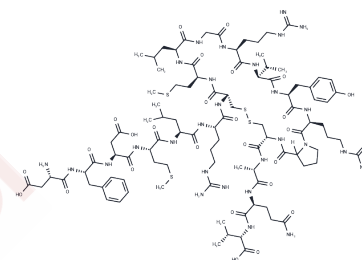


## [Ala17]-MCH

## Chemical Properties

CAS No. :	359784-84-2
Formula:	C97H155N29O26S4
Molecular Weight:	2271.71
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Potent melanin-concentrating hormone (MCH) receptor agonist (EC50 values are 17 and 54 nM at MCH1 and MCH2 receptors respectively). Displays some selectivity towards MCH1 over MCH2 (Ki values are 0.16 and 34 nM respectively).
Targets(IC50)	Melanin-concentrating Hormone Receptor (MCHR),GPCR

## Solubility Information

Solubility	H2O: 2 mg/mL (0.88 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	0.4402 mL	2.201 mL	4.402 mL
5 mM	0.088 mL	0.4402 mL	0.8804 mL
10 mM	0.044 mL	0.2201 mL	0.4402 mL
50 mM	0.0088 mL	0.044 mL	0.088 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

- Bednarek et al (2001) Short segment of human melanin-concentrating hormone that is sufficient for full activation of human melanin-concentrating hormone receptors 1 and 2. *Biochemistry* 40 9379 PMID:
- Gao et al (2004) Europium-labeled melanin-concentrating hormone analogues: ligands for measuring binding to melanin-concentrating hormone receptors 1 and 2. *Anal.Biochem.* 328 187 PMID:

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