

## [Ala17]-MCH acetate

## Chemical Properties

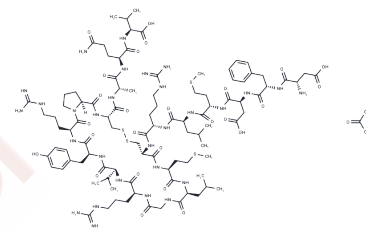
CAS No. :

Formula: C99H159N29O28S4

Molecular Weight: 2331.76

Storage: Store at low temperature, 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	[Ala17]-MCH acetate is a selective ligand for MCHR1 with a $K_i$ of 0.16 nM and $K_d$ of 0.37 nM (Eu <sup>3+</sup> chelate-labeled). [Ala17]-MCH acetate shows selectivity over MCHR2 with $K_i$ of 34 nM.
Targets(IC50)	Melanin-concentrating Hormone Receptor (MCHR)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4289 mL	2.1443 mL	4.2886 mL
5 mM	0.0858 mL	0.4289 mL	0.8577 mL
10 mM	0.0429 mL	0.2144 mL	0.4289 mL
50 mM	0.0086 mL	0.0429 mL	0.0858 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

Xiaoying Gao, et al. Europium-labeled melanin-concentrating hormone analogues: ligands for measuring binding to melanin-concentrating hormone receptors 1 and 2. *Anal Biochem.* 2004 May 15;328(2):187-95.

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