

[Ala17]-MCH TFA

Chemical Properties

CAS No. :

Formula: C99H156F3N29O28S4

Molecular Weight: 2385.73

Keep away from moisture

Storage: 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 TFA, a selective ligand for MCHR 1 ($K_i = 0.16$ nM) over MCHR 2 ($K_i = 34$ nM), is an analogue of MCH. When labeled with a [Eu 3+ chelate], [Ala17]-MCH exhibits high affinity for MCHR 1 ($K_d = 0.37$ nM) and negligible binding affinity for MCHR 2.
Targets(IC50)	Melanin-concentrating Hormone Receptor (MCHR), GPCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4192 mL	2.0958 mL	4.1916 mL
5 mM	0.0838 mL	0.4192 mL	0.8383 mL
10 mM	0.0419 mL	0.2096 mL	0.4192 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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