

MCH(human, mouse, rat) TFA

Chemical Properties

CAS No. :

Formula: C107H161F3N30O28S4

Molecular Weight: 2500.86

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	MCH (human, mouse, rat) TFA is a potent peptide agonist for MCH receptors, exhibiting binding IC50 values of 0.3 nM for MCH1R and 1.5 nM for MCH2R. It is particularly effective against MCH-2R in a CHO cell line, with functional activation EC50 values of 3.9 nM for MCH-1R and 0.1 nM for MCH-2R, as evidenced by intracellular calcium mobilization measured with FLIPR [1].
Targets(IC50)	Melanin-concentrating Hormone Receptor (MCHR),GPCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3999 mL	1.9993 mL	3.9986 mL
5 mM	0.080 mL	0.3999 mL	0.7997 mL
10 mM	0.040 mL	0.1999 mL	0.3999 mL
50 mM	0.008 mL	0.040 mL	0.080 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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