

M1145 TFA

Chemical Properties

CAS No. :

Formula: C130H206F3N37O34

Molecular Weight: 2888.25

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	M1145 TFA, a chimeric peptide, acts as a selective agonist for the galanin receptor type 2 (GAL2), demonstrating a binding affinity (K_i) of 6.55 nM. It exhibits significantly greater selectivity for GAL2, with over 90-fold and 76-fold higher affinity compared to GAL1 ($K_i = 587$ nM) and GalR3 ($K_i = 497$ nM), respectively. Additionally, M1145 TFA enhances galanin signal transduction mechanisms [1].
Targets(IC50)	Neuropeptide Y Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3462 mL	1.7312 mL	3.4623 mL
5 mM	0.0692 mL	0.3462 mL	0.6925 mL
10 mM	0.0346 mL	0.1731 mL	0.3462 mL
50 mM	0.0069 mL	0.0346 mL	0.0692 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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