

PG106 TFA

Chemical Properties

CAS No. :

Formula: C₅₃H₇₀F₃N₁₃O₁₁

Molecular Weight: 1122.2

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	PG106 TFA is a potent, selective antagonist of the human melanocortin 3 (hMC3) receptor, displaying an IC ₅₀ value of 210 nM, while exhibiting negligible activity at the hMC4 receptors (EC ₅₀ = 9900 nM) and hMC5 receptor [1].
Targets(IC ₅₀)	Melanocortin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8911 mL	4.4555 mL	8.9111 mL
5 mM	0.1782 mL	0.8911 mL	1.7822 mL
10 mM	0.0891 mL	0.4456 mL	0.8911 mL
50 mM	0.0178 mL	0.0891 mL	0.1782 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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