

RFRP-1(human) TFA

Chemical Properties

CAS No. :

Formula: C62H102F3N19O16S

Molecular Weight: 1542.74

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	RFRP-1(human) TFA, an endogenous NPFF receptor agonist, exhibits potent activity with EC50 values of 0.0011 nM for NPFF2 and 29 nM for NPFF1. It significantly diminishes the contractile function of isolated rat and rabbit cardiac myocytes. Moreover, it decreases heart rate, stroke volume, ejection fraction, and cardiac output, while elevating plasma prolactin levels in rats.
Targets(IC50)	Neuropeptide Y Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6482 mL	3.241 mL	6.482 mL
5 mM	0.1296 mL	0.6482 mL	1.2964 mL
10 mM	0.0648 mL	0.3241 mL	0.6482 mL
50 mM	0.013 mL	0.0648 mL	0.1296 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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