

RFRP-3(human) TFA

Chemical Properties

CAS No. :

Formula: C47H73F3N14O12

Molecular Weight: 1083.16

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-3 (Neuropeptide VF(124-131))(human) TFA, a human homolog of the GnIH peptide, significantly suppresses gonadotropin release through inhibition of Ca ²⁺ mobilization. Acting as an NPFF1 receptor agonist, RFRP-3 (human) also blocks forskolin-stimulated cAMP production with an inhibition concentration (IC ₅₀) of 0.7 nM [1].
Targets(IC ₅₀)	Neuropeptide Y Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9232 mL	4.6161 mL	9.2322 mL
5 mM	0.1846 mL	0.9232 mL	1.8464 mL
10 mM	0.0923 mL	0.4616 mL	0.9232 mL
50 mM	0.0185 mL	0.0923 mL	0.1846 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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