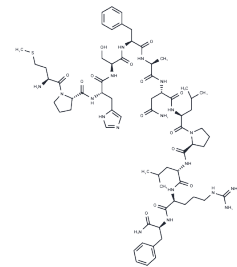


## RFRP-1(human)

## Chemical Properties

CAS No. :	311309-25-8
Formula:	C67H101N19O14S
Molecular Weight:	1428.72
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Potent endogenous NPFF receptor agonist (EC50 values are 0.0011 and 29 nM for NPFF2 and NPFF1, respectively). Attenuates contractile function of isolated rat and rabbit cardiac myocytes. Reduces heart rate, stroke volume, ejection fraction and cardiac output, and increases plasma prolactin levels in rats. GnIH homolog.
Targets(IC50)	Neuropeptide Y Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6999 mL	3.4996 mL	6.9993 mL
5 mM	0.140 mL	0.6999 mL	1.3999 mL
10 mM	0.070 mL	0.350 mL	0.6999 mL
50 mM	0.014 mL	0.070 mL	0.140 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.

## Reference

- Gouardères et al (2006) Functional differences between NPFF1 and NPFF2 receptor coupling: high intrinsic activities of RFamide-related peptides on stimulation of [35S]GTPγS binding. *Neuropharmacology* 52 376 PMID:
- Nichols et al (2010) Human RFamide-related peptide-1 diminishes cellular and integrated cardiac contractile performance. *Peptides* 31 2067 PMID:
- Hinuma et al (2000) New neuropeptides containing carboxy-terminal RFamide and their receptor in mammals. *Nat.Cell.Biol.* 2 703 PMID:

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