

26RFa Acetate (mouse, rat)

Chemical Properties

CAS No. :

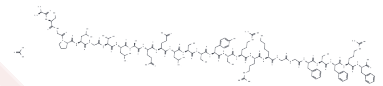
Formula: C128H199N37O39

Molecular Weight: 2880.17

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	Orphan GPCR SP9155 agonist P550 (mouse, rat) acetate (Orphan GPCR SP9155 agonist P550) is a member of the RFamide peptide family with orexigenic effects.
Targets(IC50)	Others
In vitro	Orphan GPCR SP9155 agonist P550 (mouse, rat) acetate is a key neuropeptide in the regulation of energy metabolism[1].
In vivo	Orphan GPCR SP9155 agonist P550 (mouse, rat) acetate reduces glucose-induced insulin release, inhibits the insulin responses to both arginine and exendin-4 in a dose-dependent manner[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3472 mL	1.736 mL	3.472 mL
5 mM	0.0694 mL	0.3472 mL	0.6944 mL
10 mM	0.0347 mL	0.1736 mL	0.3472 mL
50 mM	0.0069 mL	0.0347 mL	0.0694 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

Chartrel N, et al. The Neuropeptide 26RFa (QRFP) and Its Role in the Regulation of Energy Homeostasis: A Mini-Review. Front Neurosci. 2016;10:549. Published 2016 Nov 29.

Egido EM, et al. 26RFa, a novel orexigenic neuropeptide, inhibits insulin secretion in the rat pancreas. Peptides. 2007;28(4):725-730.

Chartrel N, et al. Identification of 26RFa, a hypothalamic neuropeptide of the RFamide peptide family with orexigenic activity. Proc Natl Acad Sci U S A. 2003;100(25):15247-15252.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481