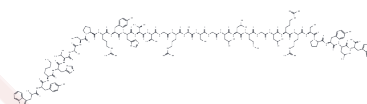


Neuropeptide W-30 (rat)

Chemical Properties

CAS No. :	383415-90-5
Formula:	C165H249N49O38S
Molecular Weight:	3559.11
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	Neuropeptide W-30 (rat) acts as a crucial stress mediator within the central nervous system, influencing the hypothalamus-pituitary-adrenal (HPA) axis and sympathetic outflow. It serves as an endogenous ligand for the two related orphan G-protein-coupled receptors (GPCRs), GPR7 and GPR8. NPW-30 binds and activates both GPR7 and GPR8 at comparable effective doses [1] [2] [3].
Targets(IC50)	Neuropeptide W
In vitro	Neuropeptide W-30 (i.c.v.) alters the secretion of anterior pituitary hormones, such as prolactin and growth hormone, and affects behaviors like feeding and drinking.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.281 mL	1.4048 mL	2.8097 mL
5 mM	0.0562 mL	0.281 mL	0.5619 mL
10 mM	0.0281 mL	0.1405 mL	0.281 mL
50 mM	0.0056 mL	0.0281 mL	0.0562 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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