

Neuropeptide SF(mouse, rat) acetate

Chemical Properties

CAS No. :

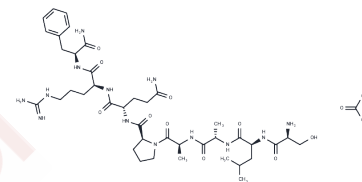
Formula: C42H69N13O12

Molecular Weight: 948.08

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	Neuropeptide SF(mouse, rat) acetate (Neuropeptide SF(mouse, rat) acetate (230960-31-3 free base)) is a potent neuropeptide FF receptor agonist, K_i for NPFF1 and NPFF2 are 48.4 nM and 12.1 nM, respectively. Neuropeptide SF(mouse, rat) acetate (Neuropeptide SF(mouse, rat) acetate (230960-31-3 free base)) increases the amplitude of the sustained current of heterologously expressed acid sensing ion channel 3 (ASIC3).
Targets(IC50)	Neuropeptide FF Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0548 mL	5.2738 mL	10.5476 mL
5 mM	0.211 mL	1.0548 mL	2.1095 mL
10 mM	0.1055 mL	0.5274 mL	1.0548 mL
50 mM	0.0211 mL	0.1055 mL	0.211 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

M Jászberényi, Bagosi Z, Csabafi K, et al. The actions of neuropeptide SF on the hypothalamic-pituitary-adrenal axis and behavior in rats[J]. *Regulatory Peptides*, 2014, 188:46-51.

Gouarderes C. Quantitative autoradiographic distribution of NPFF 1 neuropeptide FF receptor in the rat brain and comparison with NPFF 2 receptor by using [125 I]YVP and [125 I]EYF as selective radioligands[J]. *Neuroscience*, 2002, 115.

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