

Spexin acetate(1370290-58-6 free base)

Chemical Properties

CAS No. :

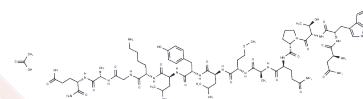
Formula: C76H117N19O22S

Molecular Weight: 1680.94

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	Spexin acetate is a potent galanin receptor 2/3 (GAL2/GAL3) agonist (EC50 values are 45.7 and 112.2 nM, respectively). Exhibits no significant activity at galanin receptor 1. Endogenous satiety-inducing peptide; inhibits long chain fatty acid uptake by adipocytes and decreases food consumption in diet-induced obese mice and rats. Attenuates LH secretion in goldfish. Exhibits anxiolytic effects in vivo.
Targets(IC50)	Neuropeptide Y Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5949 mL	2.9745 mL	5.9491 mL
5 mM	0.119 mL	0.5949 mL	1.1898 mL
10 mM	0.0595 mL	0.2975 mL	0.5949 mL
50 mM	0.0119 mL	0.0595 mL	0.119 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

Walewski et al (2014) Spexin is a novel human peptide that reduces adipocyte uptake of long chain fatty acids and causes weight loss in rodents with diet-induced obesity Obesity (Silver Spring) 22 1643 PMID:

Reyes-Alcaraz et al (2016) Development of spexin-based human galanin receptor type II-specific agonists with increased stability in serum and anxiolytic effect in mice. Sci.Rep. 6 21453 PMID:

Kim et al (2014) Coevolution of the spexin/galanin/kisspeptin family: Spexin activates galanin receptor type II and III. Endocrinology 155 1864 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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