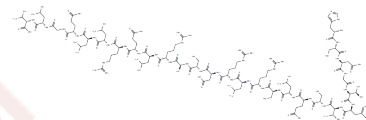


Secretin (swine)

Chemical Properties

CAS No. :	17034-35-4
Formula:	C130H220N44O41
Molecular Weight:	3055.41
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	Secretin (swine), a neuroendocrine hormone first identified as secreted by S cells in the duodenal mucosa, is a 27-amino acid peptide targeting secretin receptors. Present in all mature enteroendocrine cell subsets, it is stimulated by fatty acids and promotes pancreatic secretion of water and bicarbonate. Secretin has diverse effects on organ systems and is utilized in research on the digestive system, central nervous system, and energy metabolism [1][2].
Targets(IC50)	Glucagon Receptor
In vitro	Secretin (swine) at concentrations of 10 ⁻⁷ M and 10 ⁻⁶ M, administered over periods ranging from 24 hours to 72 hours and up to 7 days, enhances biliary growth through engagement with secretin receptors (SR). Additionally, SR knockout diminishes biliary proliferation by attenuating cAMP-dependent signaling pathways [2].
In vivo	Secretin (swine) administered at 2.5 nM/kg body weight per day via osmotic minipumps for one week induces biliary cell proliferation in mice by modulating the levels of microRNA 125b and microRNA let7a [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3273 mL	1.6364 mL	3.2729 mL
5 mM	0.0655 mL	0.3273 mL	0.6546 mL
10 mM	0.0327 mL	0.1636 mL	0.3273 mL
50 mM	0.0065 mL	0.0327 mL	0.0655 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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