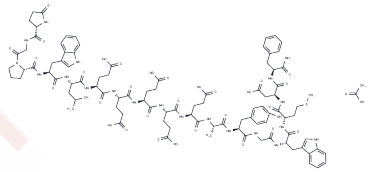
Data Sheet (Cat.No.TP2030L1)

TargetMol

Gastrin I (human) acetate

Chemical Properties



CAS No. :

Formula: C99H128N20O33S

Molecular Weight: 2158.25

Storage: Keep away from moisture
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	Gastrin I (human) acetate (Gastrin-17 acetate) is the endogenous peptide produced in the stomach, and increases gastric acid secretion via cholecystokinin 2 (CCK2) receptor.
Targets(IC50)	Cholecystokinin Receptor
In vitro	Gastrin I (human) acetate is the endogenous peptide produced in the stomach, and acts via cholecystokinin 2 (CCK2) receptor[1].
In vivo	Gastrin I (human) acetate (1.5, 5, 15 and 45 nmol/kg, i.v.) increases pepsinogen and acid secretion in rats[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4633 mL	2.3167 mL	4.6334 mL
5 mM	0.0927 mL	0.4633 mL	0.9267 mL
10 mM	0.0463 mL	0.2317 mL	0.4633 mL
50 mM	0.0093 mL	0.0463 mL	0.0927 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

Noble F, et al. International Union of Pharmacology. XXI. Structure, distribution, and functions of cholecystokinin receptors. Pharmacol Rev. 1999 Dec;51(4):745-81.

Blandizzi C, et al. CCK1 and CCK2 receptors regulate gastric pepsinogen secretion. Eur J Pharmacol. 1999 May 28; 373(1):71-84.

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