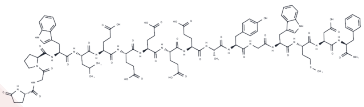
Data Sheet (Cat.No.TP2030)

TargetMol

Gastrin I, human

Chemical Properties



CAS No. : 10047-33-3

Formula: C97H124N20O31S

Molecular Weight: 2098.2

Storage: Store at low temperature,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 (Gastrin I (human)) is an endogenous peptide produced in the stomach that increases pepsinogen and acid secretion via the CCK2 receptor in the rat.
Targets(IC50)	Cholecystokinin Receptor

Solubility Information

Solubility	DMSO: 247.5 mg/mL (117.96 mM),when pH is adjusted to 11 with NH3·H2O. Sonication is recommended. 1% NH3·H2O: 1 mg/mL (0.48 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (0.48 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4766 mL	2.383 mL	4.766 mL
5 mM	0.0953 mL	0.4766 mL	0.9532 mL
10 mM	0.0477 mL	0.2383 mL	0.4766 mL
50 mM	0.0095 mL	0.0477 mL	0.0953 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.
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