

## Gastrin I, human

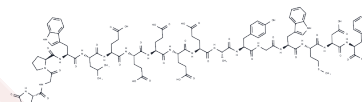
## Chemical Properties

CAS No. : 10047-33-3

Formula: C97H124N20O31S

Molecular Weight: 2098.2

Appearance: no data available

Storage: store at low temperature, keep away from moisture  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

## 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: 40 mg/mL (19.06 mM), when pH is adjusted to 11 with NH <sub>3</sub> ·H <sub>2</sub> O. Sonication is recommended. 1% NH <sub>3</sub> ·H <sub>2</sub> O: 1 mg/mL (0.48 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## 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.

### 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.

Sato et al (2015) SnapShot: Growing Organoids from Stem Cells. *Cell* 161 1700 PMID:

Mahe et al (2014) Establishment of gastrointestinal epithelial organoids *Curr.Protoc. Mouse Biol.* 3 217 PMID:

Bartfeld et al (2015) In vitro expansion of human gastric epithelial stem cells and their responses to bacterial infection. *Gastroenterology* 148 126 PMID:

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286    E\_mail:info@targetmol.com    Address:36 Washington Street,Wellesley Hills,MA 02481