

# CHAMOT

## Gastrin I

CM005-1SM  
CM005-5SM



CHAMOT

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## Gastrin I

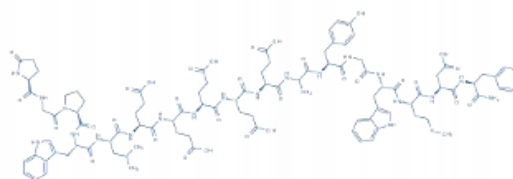
编号: CM005-1SM  
CM005-5SM

规格: 1 mg  
5 mg

类别: 小分子

### 产品简介

CAS号: 10047-33-3  
分子式:  $C_{97}H_{124}N_{20}O_{31}S$   
分子量: 2098.20



储存	Powder	Keep in dark place, Inert atmosphere, Store in freezer, under -20°C	
	In solvent	-20°C: 3-6 月	-80°C: 12 月
溶解度	DMSO	49.0 mg/mL (23.4 mM)	

### 产品使用

原液配制	Volume Concentration	Mass	1 mg	5 mg	10 mg
	1mM		0.4766 mL	2.3830 mL	4.7660 mL
	5mM		0.0953 mL	0.4766 mL	0.9532 mL
	10mM		0.0477 mL	0.2383 mL	0.4766 mL

## 产品应用数据

### Biological Activity

#### Description

The peptide cholecystokinin (CCK), originally discovered in the gastrointestinal tract, has been shown to mediate pancreatic secretion and contraction of gallbladder. Two types of CCK receptors (CCK<sub>1</sub> found in the gut and CCK<sub>2</sub> found in the brain) have thus been distinguished. Gastrin-1, human, an endogenous peptide produced in the stomach, increases gastric acid secretion via acting at CCK<sub>2</sub> receptor. In anaesthetized rats, gastrin-1, human (1.5, 5, 15 and 45 nmol/kg, i.v.) increased both pepsinogen and acid secretion. After pretreatment with omeprazole, gastrin-1, human failed to stimulate acid secretion, while it increased pepsinogen output. In rats with gastric perfusion of acid solutions, gastrin-1, human increased peptic output in a pH-independent manner either with or without pretreatment with omeprazole.