

## Gastric Inhibitory Peptide (1-42) (porcine) TFA

## Chemical Properties

CAS No. :

Formula: C225H342N60O66S.XCF3COOH

Molecular Weight: 4975.55



Keep away from moisture

Storage: 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	Gastric Inhibitory Peptide (1-42) (porcine) TFA is a glucose-dependent insulinotropic polypeptide released by intestinal K-cells. It stimulates insulin secretion while inhibiting gastric acid secretion and gastrointestinal motility, thereby regulating digestive function.
Targets(IC50)	IGF-1R

## Solubility Information

Solubility	H2O: Soluble, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.201 mL	1.0049 mL	2.0098 mL
5 mM	0.0402 mL	0.201 mL	0.402 mL
10 mM	0.0201 mL	0.1005 mL	0.201 mL
50 mM	0.004 mL	0.0201 mL	0.0402 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

G W Morrow, et al. The insulinotropic region of gastric inhibitory polypeptide; fragment analysis suggests the bioactive site lies between residues 19 and 30. Canadian Journal of Physiology and Pharmacology. January 1996. Volume 74.

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