Gastric Inhibitory Peptide, porcine

Cat. No.: HY-P3579

CAS No.: 11063-17-5

Molecular Formula: $C_{225}H_{342}N_{60}O_{66}S$

Molecular Weight: 4975.55

Sequence Shortening: YAEGTFISDYSIAMDKIRQQDFVNWLLAQKGKKSDWKHNITQ

YAEGTFISDYSIAMDKIRQQDF
VNWLLAQKGKKSDWKHNITQ

Target: Insulin Receptor

Pathway: Protein Tyrosine Kinase/RTK

Storage: Sealed storage, away from moisture and light, under nitrogen

Powder -80°C 2 years

-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

H_2O : ≥ 33.33 mg/mL (6.70 mM)

DMSO : 5 mg/mL (1.00 mM; Need ultrasonic)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	0.2010 mL	1.0049 mL	2.0098 mL
5 mM	0.0402 mL	0.2010 mL	0.4020 mL
10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Gastric Inhibitory Peptide, porcine is a glucose-dependent insulinotropic polypeptide, is a 42 amino acid intestinal hormone with effects on fat and glucose metabolism[1].

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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