Data Sheet (Cat.No.TP2020)

TargetMol

[Pro3]-GIP (Mouse)

Chemical Properties

CAS No. :

Formula: C225H342N62O64S

Molecular Weight: 4971.62

Storage: 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	GIP receptor antagonist (IC50 = 2.6μM). Inhibits GIP-stimulated insulin release from pancreatic β cells in vitro. In ob/ob mice, blocks the effects of GIP on insulin release and plasma glucose levels. Also improves intraperitoneal glucose tolerance, insulin sensitivity, and glucose response to feeding in ob/ob mice.
Targets(IC50)	IGF-1R

Solubility Information

Solubility	H2O: 2 mg/mL (0.4 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2011 mL	1.0057 mL	2.0114 mL
5 mM	0.0402 mL	0.2011 mL	0.4023 mL
10 mM	0.0201 mL	0.1006 mL	0.2011 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

Irwin et al (2007) Early administration of the glucose-dependent Insotropic polypeptide receptor antagonist (Pro3) GIP prevents the development of diabetes and related metabolic abnormalities associated with genetically inherited obesity in ob/ob mice. Diabetologia 50 1532 PMID:

Gault et al (2002) Characterization of the cellular and metabolic effects of a novel enzyme-resistant antagonist of glucose-dependent Insotropic polypeptide. Biochem.Biophys.Res.Commun. 290 1420 PMID:

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