

[Pro3]-GIP (Rat)

Chemical Properties

CAS No. :

Formula: C226H343N61O64S

Molecular Weight: 4970.63

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	High affinity rat GIP receptor partial agonist (Kd = 13 nM). Increases cAMP accumulation in COS-7 cells transfected with rat GIP receptor, while also acting as a competitive antagonist of GIP.
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Solubility Information

Solubility	H2O: 2 mg/mL (0.4 mM), 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	0.2012 mL	1.0059 mL	2.0118 mL
5 mM	0.0402 mL	0.2012 mL	0.4024 mL
10 mM	0.0201 mL	0.1006 mL	0.2012 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

Sparre-Ulrich et al (2016) Species-specific action of (Pro3)GIP - a full agonist at human GIP receptors, but a partial agonist and competitive antagonist at rat and mouse GIP receptors. Br.J.Pharmacol. 173 27 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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