

Gastric Inhibitory Peptide 1 (3-42) (human) TFA

Chemical Properties

CAS No. :

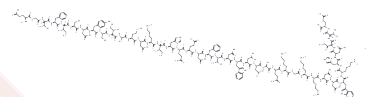
Formula: C214H324N58O63S.XCF3COOH

Molecular Weight: 4749.30

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 (GIP-1) (3-42), a fragment of the incretin hormone GIP and antagonist to the GIP receptor, is generated through the action of serum dipeptidyl peptidase 4 (DDP-4). When administered at 25 nmol/kg to an ob/ob mouse diabetes model, GIP-1 (3-42) elevates plasma glucose levels and lowers plasma insulin levels, demonstrating its effect on reducing insulin secretion from BRIN-BD11 pancreatic cells at a concentration of 100 nM.

Solubility Information

Solubility

H2O: Soluble
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.2106 mL | 1.0528 mL | 2.1056 mL |
| 5 mM | 0.0421 mL | 0.2106 mL | 0.4211 mL |
| 10 mM | 0.0211 mL | 0.1053 mL | 0.2106 mL |
| 50 mM | 0.0042 mL | 0.0211 mL | 0.0421 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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