

GIP (1-30) amide, porcine TFA

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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 (1-30) amide, porcine TFA is a high-affinity full agonist of the glucose-dependent insulinotropic polypeptide (GIP) receptor, with potency comparable to native GIP(1-42) [1]. It also exhibits potent insulin-stimulating properties and weakly inhibits gastric acid secretion.
Targets(IC50)	IGF-1R

Solubility Information

Solubility	DMSO: 100 mg/mL, Sonication is recommended. H2O: < 0.1 mg/mL (insoluble), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL, Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Reference

L S Hansen, et al. N-terminally and C-terminally truncated forms of glucose-dependent insulinotropic polypeptide are high-affinity competitive antagonists of the human GIP receptor. Br J Pharmacol. 2016 Mar;173(5):826-38.

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