

## GIP (1-39) acetate

## Chemical Properties

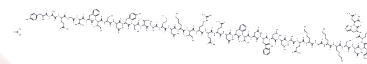
CAS No. :

Formula: C212H320N56O63S

Molecular Weight: 4693.21

Storage: Store at low temperature, 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 (1-39) acetate is a gastric inhibitory peptide (GIP) purified from porcine intestine and stimulates insulin secretion.
Targets(IC50)	Others
In vitro	GIP (1-39) acetate (100 nM) increases intracellular Ca <sup>2+</sup> concentration ([Ca <sup>2+</sup> ] <sub>i</sub> ), and enhances exocytosis assessed by membrane capacitance measurement[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2131 mL	1.0654 mL	2.1307 mL
5 mM	0.0426 mL	0.2131 mL	0.4261 mL
10 mM	0.0213 mL	0.1065 mL	0.2131 mL
50 mM	0.0043 mL	0.0213 mL	0.0426 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

Xie L, et al. GIP1-39, a novel insulinotropic peptide form and aspects on its mechanism of action. Regul Pept. 2004 Sep 15;121(1-3):107-12.

Sandberg E, et al. Potentiation of glucose-induced insulin secretion in the perfused rat pancreas by porcine GIP (gastric inhibitory polypeptide), bovine GIP, and bovine GIP(1-39). Acta Physiol Scand. 1986 Jul;127(3):323-6.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481