

## Glucagon (19-29), human acetate

### Chemical Properties

CAS No. :

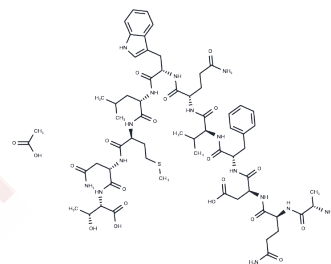
Formula: C63H93N15O20S

Molecular Weight: 1412.57

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	Glucagon (19-29), human acetate a COOH-terminal fragment processed from glucagon, is a potent and efficient inhibitor of insulin secretion.
Targets(IC50)	Glucagon Receptor
In vitro	At concentrations ranging from 0.01 to 1000 pM, glucagon 19-29 dose-dependently (ID50 = 1 pM) inhibited by 80-100% the insulin release triggered by glucose, glucagon, glucagon-like peptide-1-(7-36) amide (tGLP-1), or glibenclamide, but not that induced by carbachol[1].

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7079 mL	3.5396 mL	7.0793 mL
5 mM	0.1416 mL	0.7079 mL	1.4159 mL
10 mM	0.0708 mL	0.354 mL	0.7079 mL
50 mM	0.0142 mL	0.0708 mL	0.1416 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

- Dalle S, et al. Miniglucagon (glucagon 19-29), a potent and efficient inhibitor of secretagogue-induced insulin release through a Ca<sup>2+</sup> pathway. *J Biol Chem.* 1999 Apr 16;274(16):10869-76.
- Pavoine C, et al. Miniglucagon [glucagon-(19-29)] is a component of the positive inotropic effect of glucagon. *Am J Physiol.* 1991 May;260(5 Pt 1):C993-9.
- Dalle S, et al. Miniglucagon (glucagon 19-29): a novel regulator of the pancreatic islet physiology. *Diabetes.* 2002 Feb;51(2):406-12.

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