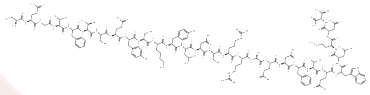
# Data Sheet (Cat.No.TP2033)

TargetMol

## [Des-His1,Glu9]-Glucagon amide

### Chemical Properties



CAS No. : 110084-95-2

Formula: C148H221N41O47S

Molecular Weight: 3358.68

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 | Glucagon receptor antagonist (pA2 = 7.2 for inhibition of glucagon-induced adenylyl cyclase activation in rat liver membranes); displays no agonist activity. Enhances glucose-stimulated pancreatic insulin release in vitro. Blocks added glucagon-induced hyperglycemia in normal rabbits without affecting glycogenolysis in vivo. Also blocks endogenous glucagon-induced hyperglycemia in streptozocin diabetic rats. |
| Targets(IC50) | Glucagon Receptor |

### Solubility Information

| | |
|---|---|
| Solubility | H2O: 1 mg/mL (0.3 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 0.2977 mL | 1.4887 mL | 2.9774 mL |
| 5 mM | 0.0595 mL | 0.2977 mL | 0.5955 mL |
| 10 mM | 0.0298 mL | 0.1489 mL | 0.2977 mL |
| 50 mM | 0.006 mL | 0.0298 mL | 0.0595 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

Unson et al (1989) Biological activities of des-His1[Glu9]glucagon amide, a glucagon antagonist. Peptides 10 1171 PMID:

Huypens et al (2000) Glucagon receptors on human islet cells contribute to glucose competence of Ins release. Diabetologia 43 1012 PMID:



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