

Crotedumab

Chemical Properties

CAS No. : 1452387-69-7

Formula:

Molecular Weight: 146.82 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Crotedumab (REGN1193) is a humanized antibody targeting GCGR, which reduces fasting blood glucose and improves glucose tolerance, used in diabetes research.
Targets(IC50)	Glucagon Receptor
In vitro	Crotedumab inhibits glucagon-induced signaling in transfected human, monkey, mouse, and rat HEK293 cells via GCGR with IC50 values of 0.65, 3.2, 0.94, and 1.0 nM, respectively.[1]
In vivo	Administration of Crotedumab (a single subcutaneous injection) to diabetic OB/OB and diet-induced obese mice reduced blood sugar to levels observed in GCGR deficient mice. In diet-induced obese mice, Crotedumab reduced food intake, adipose tissue mass, and body weight. A single administration of Crotedumab in diabetic cynomophagus monkeys normalized fasting blood sugar and glucose tolerance, and increased circulating levels of glucagon and amino acids. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0341 mL	0.0681 mL
5 mM	0.0014 mL	0.0068 mL	0.0136 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 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.

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