

Cotadutide acetate

Chemical Properties

CAS No. :

Formula: C169H256N42O57

Molecular Weight: 3788.14

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.

Cotadutide
acetate

Biological Description

Description	Cotadutide acetate (MEDI0382 acetate) is a potent peptide dual agonist of glucagon-like peptide-1 (GLP-1) and glucagon receptor with EC50 of 6.9 pM and 10.2 pM, respectively.
Targets(IC50)	Glucagon Receptor

Solubility Information

Solubility	H2O: < 0.1 mg/mL (insoluble) DMSO: 12.5 mg/mL (3.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (0.26 mM), 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>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.264 mL	1.3199 mL	2.6398 mL
5 mM	0.0528 mL	0.264 mL	0.528 mL
10 mM	0.0264 mL	0.132 mL	0.264 mL
50 mM	0.0053 mL	0.0264 mL	0.0528 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

Henderson SJ, et al. Robust anti-obesity and metabolic effects of a dual GLP-1/glucagon receptor peptide agonist in rodents and non-human primates. *Diabetes Obes Metab.* 2016 Dec; 18(12):1176-1190.

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