

Cotadutide acetate

Chemical Properties

CAS No. : TP1103

Formula: C169H256N42O57

Molecular Weight: 3788.14

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

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 (3.30 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

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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