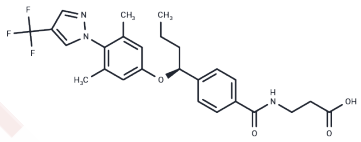
Data Sheet (Cat.No.TQ0239)

PF-06291874

Chemical Properties



CAS No. : 1393124-08-7

Formula: C26H28F3N3O4

Molecular Weight: 503.51

Storage: Store at low temperature
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	PF-06291874 (Glucagon receptor antagonists-4) (Glucagon receptor antagonists-4) is a highly effective and orally active antagonist of the glucagon receptor.
Targets(IC50)	Glucagon Receptor

Solubility Information

Solubility	DMSO: 100 mg/mL (198.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.97 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9861 mL	9.9303 mL	19.8606 mL
5 mM	0.3972 mL	1.9861 mL	3.9721 mL
10 mM	0.1986 mL	0.993 mL	1.9861 mL
50 mM	0.0397 mL	0.1986 mL	0.3972 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

Guzman-Perez A et al. The design and synthesis of a potent glucagon receptor antagonist with favorable physicochemical andpharmacokinetic properties as a candidate for the treatment of type 2 diabetes mellitus. Bioorg Med Chem Lett, 2013 May 15, 23(10):3051-8.

Non-canonical hepatic androgen receptor mediates glucagon sensitivity in female mice through the PGC1α/ERRα/mitochondria axis

Esther C.Y. Lee et al. Identification of a novel conformationally constrained glucagon receptor antagonist. Bioorg Med Chem Lett, 2014 Feb 1, 24(3):839-44.

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