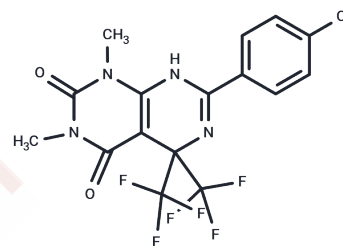


GLP-1R Antagonist 1

Chemical Properties

CAS No. :	488097-06-9
Formula:	C ₁₆ H ₁₁ ClF ₆ N ₄ O ₂
Molecular Weight:	440.73
Storage:	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	GLP-1R Antagonist 1 is an orally active, CNS penetrant and non-competitive glucagon-like peptide 1 receptor (GLP-1R) antagonist (IC ₅₀ : 650 nM).
Targets(IC ₅₀)	Glucagon Receptor

Solubility Information

Solubility	DMSO: 90 mg/mL (204.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (7.49 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	2.269 mL	11.3448 mL	22.6896 mL
5 mM	0.4538 mL	2.269 mL	4.5379 mL
10 mM	0.2269 mL	1.1345 mL	2.269 mL
50 mM	0.0454 mL	0.2269 mL	0.4538 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

Kellie D. Nance, et al. Discovery of a novel series of orally bioavailable and CNS penetrant Glucagon-Like Peptide 1 Receptor (GLP-1R) non-competitive antagonists based on a 1,3-disubstituted-7-aryl-5,5-bis(trifluoromethyl)-5,8-dihydropyrimido[4,5-d]pyrimidine-2,4(1H,3H)-dione core. J. Med. Chem. 19 Jan 2017.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481