

PF-06882961

Chemical Properties

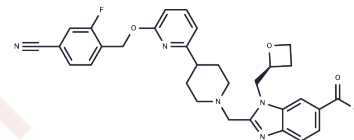
CAS No. : 2230198-02-2

Formula: C₃₁H₃₀FN₅O₄

Molecular Weight: 555.6

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 | PF-06882961 is an orally bioavailable glucagon-like peptide-1 receptor (GLP-1R) agonist. |
| Targets(IC50) | Glucagon Receptor |
| In vivo | PF-06882961 shows mild to moderate damage to the heart, moderate to severe effects on the thymus gland (which helps with managing infection), mild to moderate stomach ulcers at the highest dose level given in the rat[3]. |

Solubility Information

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|---------------------|--|
| Solubility | DMSO: 135 mg/mL (242.98 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: 4 mg/mL (7.2 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 | 1.7999 mL | 8.9993 mL | 17.9986 mL |
| 5 mM | 0.360 mL | 1.7999 mL | 3.5997 mL |
| 10 mM | 0.180 mL | 0.8999 mL | 1.7999 mL |
| 50 mM | 0.036 mL | 0.180 mL | 0.360 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

20th SCI/RSC Medicinal Chemistry Symposium.

Méndez M, et al. Design, Synthesis, and Pharmacological Evaluation of Potent Positive Allosteric Modulators of the Glucagon-like Peptide-1 Receptor (GLP-1R). J Med Chem. 2019 Oct 23.

POSSIBLE SIDE EFFECTS AND RISKS OF THE STUDY DRUG AND PROCEDURES.

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