

PF-06928215

Chemical Properties

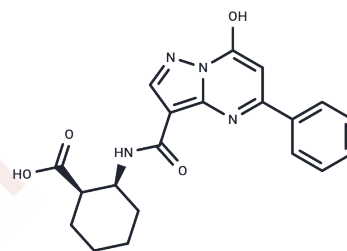
CAS No. : 2378173-15-8

Formula: C₂₀H₂₀N₄O₄

Molecular Weight: 380.4

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-06928215 is an inhibitor of cGAS (cyclic GMP-AMP Synthase) (IC ₅₀ of 4.9 μM). |
| Targets(IC ₅₀) | cGAS |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 150 mg/mL (394.32 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: 10 mg/mL (26.29 mM), Suspension. 10% DMSO+90% Saline: < 10 mg/mL (26.29 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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 | 2.6288 mL | 13.1441 mL | 26.2881 mL |
| 5 mM | 0.5258 mL | 2.6288 mL | 5.2576 mL |
| 10 mM | 0.2629 mL | 1.3144 mL | 2.6288 mL |
| 50 mM | 0.0526 mL | 0.2629 mL | 0.5258 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

Hall J, et al. Discovery of PF-06928215 as a high affinity inhibitor of cGAS enabled by a novel fluorescence polarization assay. PLoS One. 2017 Sep 21;12(9):e0184843.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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