

PF-07059013

Chemical Properties

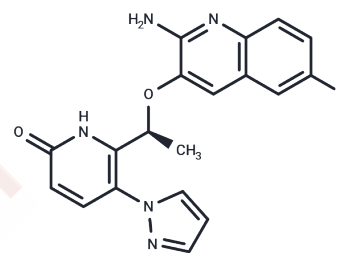
CAS No. : 2435610-93-6

Formula: C₁₉H₁₆FN₅O₂

Molecular Weight: 365.36

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-07059013, an orally active and potent noncovalent modulator of sickled hemoglobin (HbS), specifically binds to Hb with nanomolar affinity and demonstrates substantial partitioning into red blood cells (RBCs), making it useful for sickle cell disease (SCD) research [1][2].
Targets(IC50)	Others
In vivo	PF-07059013 (10-490 mg/kg, oral gavage, twice daily for 2 weeks) demonstrated a reduction in sickling in Townes SCD mice [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.737 mL	13.6851 mL	27.3703 mL
5 mM	0.5474 mL	2.737 mL	5.4741 mL
10 mM	0.2737 mL	1.3685 mL	2.737 mL
50 mM	0.0547 mL	0.2737 mL	0.5474 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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