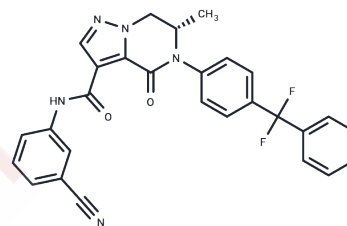


JNJ-9676

Chemical Properties

CAS No. : 3026520-19-1
 Formula: C₂₈H₂₁F₂N₅O₂
 Molecular Weight: 497.5
 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	JNJ-9676 is an orally active inhibitor of the coronavirus membrane protein, which binds to the membrane protein dimer's transmembrane domain-formed binding pocket, thereby blocking viral assembly and release. It exhibits nanomolar-level antiviral activity against the novel coronavirus and SARS-CoV.
Targets(IC50)	DNA/RNA Synthesis,SARS-CoV

Solubility Information

Solubility	DMSO: 180 mg/mL (361.81 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: 5 mg/mL (10.05 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	2.0101 mL	10.0503 mL	20.1005 mL
5 mM	0.402 mL	2.0101 mL	4.0201 mL
10 mM	0.201 mL	1.005 mL	2.0101 mL
50 mM	0.0402 mL	0.201 mL	0.402 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

Murray MH, et al. Structural basis of synthetic agonist activation of the nuclear receptor REV-ERB. Nat Commun. 2022 Nov 21;13(1):7131.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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