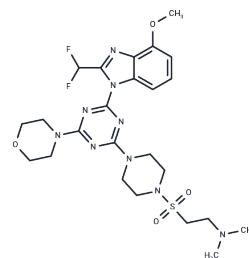


SN32976

## Chemical Properties

CAS No. : 1246202-11-8  
 Formula: C<sub>24</sub>H<sub>33</sub>F<sub>2</sub>N<sub>9</sub>O<sub>4</sub>S  
 Molecular Weight: 581.64  
 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	SN32976 is a pan PI3K inhibitor. SN32976 potently inhibited PI3K isoforms and mTOR, displaying preferential activity for PI3K $\alpha$ and sparing of PI3K $\delta$ .
Targets(IC50)	mTOR,PI3K

## Solubility Information

Solubility	DMSO: 5.82 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7193 mL	8.5964 mL	17.1928 mL
5 mM	0.3439 mL	1.7193 mL	3.4386 mL
10 mM	0.1719 mL	0.8596 mL	1.7193 mL
50 mM	0.0344 mL	0.1719 mL	0.3439 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

Rewcastle GW, et al . Biological characterization of SN32976, a selective inhibitor of PI3K and mTOR with preferential activity to PI3K $\alpha$ , in comparison to established pan PI3K inhibitors. Oncotarget. 2017 Jul 18;8(29): 47725-47740.

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