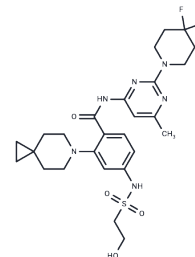


## Sovilnesib

## Chemical Properties

CAS No. :	2410796-79-9
Formula:	C <sub>26</sub> H <sub>34</sub> F <sub>2</sub> N <sub>6</sub> O <sub>4</sub> S
Molecular Weight:	564.65
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	Sovilnesib is a kinesin-like protein KIF18A inhibitor. Sovilnesib can be used for the cancer research.
Targets(IC50)	Microtubule Associated,Kinesin
In vitro	Sovilnesib is an inhibitor of the kinesin-like protein KIF18A[1].

## Solubility Information

Solubility	DMSO: 150 mg/mL (265.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% (20% SBE-β-CD in Saline): < 10 mg/mL (17.71 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: < 10 mg/mL (17.71 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% Corn Oil: 2.5 mg/mL (4.43 mM),Sonication is recommended. 10% DMSO+90% Saline: < 10 mg/mL (17.71 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% Corn oil: 10 mg/mL (17.71 mM),Solution. <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

---

	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.771 mL	8.855 mL	17.7101 mL
5 mM	0.3542 mL	1.771 mL	3.542 mL
10 mM	0.1771 mL	0.8855 mL	1.771 mL
50 mM	0.0354 mL	0.1771 mL	0.3542 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

WO2020132648

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481