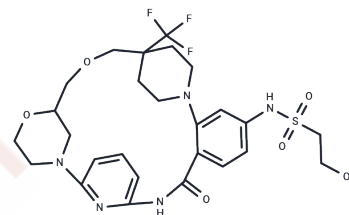


KIF18A-IN-14

## Chemical Properties

CAS No. : 3051552-75-8  
 Formula: C<sub>26</sub>H<sub>32</sub>F<sub>3</sub>N<sub>5</sub>O<sub>6</sub>S  
 Molecular Weight: 599.62  
 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	KIF18A-IN-14 (Compound Example 81) is an inhibitor of KIF18A that exists in two forms, EX81-A and its enantiomer EX81-B. EX81-A and EX81-B inhibit the viability of OVCAR-3 cells with IC <sub>50</sub> values of 0-0.01 μM and 0.01-0.1 μM, respectively. KIF18A-IN-14 can be utilized in tumor research, including studies on colon cancer, breast cancer, and lung cancer.
Targets(IC <sub>50</sub> )	Kinesin
In vitro	EX81-A and EX81-B reduce the viability of OVCAR-3 cells, with IC <sub>50</sub> values ranging from 0-0.01 μM and 0.01-0.1 μM, respectively.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6677 mL	8.3386 mL	16.6772 mL
5 mM	0.3335 mL	1.6677 mL	3.3354 mL
10 mM	0.1668 mL	0.8339 mL	1.6677 mL
50 mM	0.0334 mL	0.1668 mL	0.3335 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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