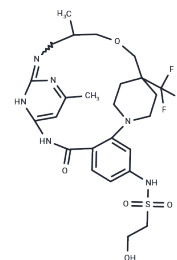


KIF18A-IN-15

Chemical Properties

CAS No. : 3051552-64-5
 Formula: C₂₅H₃₃F₃N₆O₅
 Molecular Weight: 586.63
 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-15 (Compound Example 36) is a KIF18A inhibitor, available in two forms, EX36-A and its enantiomer EX36-B, both with an IC ₅₀ range of 0.01-0.1 μM. These compounds inhibit the viability of OVCAR-3 cells, with IC ₅₀ values of 0.01-0.1 μM for EX36-A and 0-0.01 μM for EX36-B. KIF18A-IN-15 is applicable in research on tumors, including colon, breast, and lung cancers.
Targets(IC ₅₀)	Kinesin
In vitro	EX36-A and EX36-B inhibit the viability of OVCAR-3 cells, with IC ₅₀ values ranging from 0.01 to 0.1 μM and 0 to 0.01 μM, respectively.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7047 mL	8.5233 mL	17.0465 mL
5 mM	0.3409 mL	1.7047 mL	3.4093 mL
10 mM	0.1705 mL	0.8523 mL	1.7047 mL
50 mM	0.0341 mL	0.1705 mL	0.3409 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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