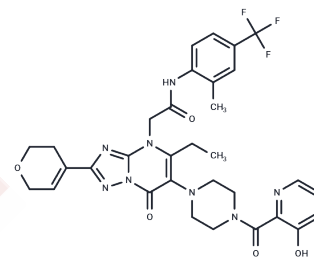


Werner syndrome RecQ helicase-IN-4

Chemical Properties

CAS No. :	2869954-53-8
Formula:	C32H33F3N8O5
Molecular Weight:	666.65
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Werner syndrome RecQ helicase-IN-4 is an effective inhibitor of Werner syndrome RecQ DNA helicase (WRN), exhibiting anticancer and antiproliferative activities, used for colorectal and gastric cancer research.
Targets(IC50)	DNA/RNA Synthesis
In vitro	Werner syndrome RecQ helicase-IN-4 is an inhibitor of RecQ DNA helicase (WRN) with an IC50 value of 0.06 μ M.
In vivo	Werner syndrome RecQ helicase-IN-4 (240 mg/kg, 18 days, orally) showed anticancer activity in SW48 xenografted mice. [1]

Solubility Information

Solubility	DMSO: 80 mg/mL (120 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	1.500 mL	7.5002 mL	15.0004 mL
5 mM	0.300 mL	1.500 mL	3.0001 mL
10 mM	0.150 mL	0.750 mL	1.500 mL
50 mM	0.030 mL	0.150 mL	0.300 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

Vincent Bordas, et al. Triazolo-pyrimidine analogues for treating diseases connected to the inhibition of werner syndrome recq helicase (wrn). WO2022249060A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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