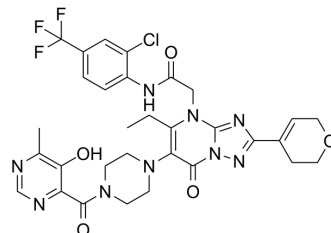


Werner syndrome RecQ helicase-IN-1

Cat. No.:	HY-148699		
CAS No.:	2869954-34-5		
Molecular Formula:	C ₃₁ H ₃₁ ClF ₃ N ₉ O ₅		
Molecular Weight:	702.08		
Target:	DNA/RNA Synthesis		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (142.43 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	1.4243 mL	7.1217 mL	14.2434 mL
	5 mM	0.2849 mL	1.4243 mL	2.8487 mL
	10 mM	0.1424 mL	0.7122 mL	1.4243 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.56 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Werner syndrome RecQ helicase-IN-1 (example 42) is a potent Werner syndrome RecQ DNA helicase enzyme (WRN) inhibitor and can be used in cancer research ^[1] .
In Vitro	Werner syndrome RecQ helicase-IN-1 (example 42) has an IC ₅₀ value of 100 nM for WRN ATPase and GI ₅₀ values of 50 nM and >10 μM for SW48 and DLD1 WRN-KO cell lines, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Triazolo-pyrimidine analogues for treating diseases connected to the inhibitor of werner syndrome recq helicase (wrn). WO2022249060

Caution: Product has not been fully validated for medical applications. For research use only.

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