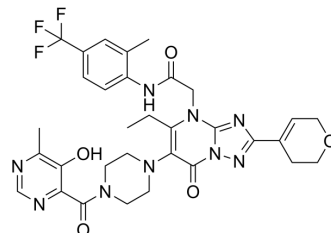


Werner syndrome RecQ helicase-IN-2

Cat. No.:	HY-148700		
CAS No.:	2869954-51-6		
Molecular Formula:	C ₃₂ H ₃₄ F ₃ N ₉ O ₅		
Molecular Weight:	681.66		
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 : 50 mg/mL (73.35 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.4670 mL	7.3350 mL	14.6701 mL
5 mM	0.2934 mL	1.4670 mL	2.9340 mL
10 mM	0.1467 mL	0.7335 mL	1.4670 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Werner syndrome RecQ helicase-IN-2 (example 57) 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-2 (example 57) has an IC₅₀ value of 100 nM for WRN ATPase and GI₅₀ values of 100 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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