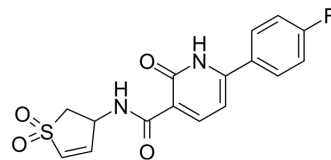


WRN inhibitor 1

Cat. No.:	HY-153692
CAS No.:	2923008-44-8
Molecular Formula:	C ₁₆ H ₁₃ FN ₂ O ₄ S
Molecular Weight:	348.35
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : ≥ 130 mg/mL (373.19 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	2.8707 mL	14.3534 mL	28.7068 mL
		5 mM	0.5741 mL	2.8707 mL	5.7414 mL
		10 mM	0.2871 mL	1.4353 mL	2.8707 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: ≥ 3.25 mg/mL (9.33 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	WRN inhibitor 1 (example 7) is a Werner Syndrome ATP dependent helicase enzyme (WRN) inhibitor that inhibits WRN helicase domain activity. WRN inhibitor 1 has the potential to study cancer ^[1] .
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REFERENCES

[1]. Ashely, et al. Cyclic vinyl sulfone compounds as wrn inhibitors. WIPO. 2023-04-20.

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

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