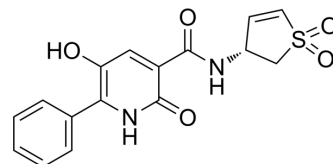


## WRN inhibitor 4

Cat. No.:	HY-156580		
CAS No.:	2923009-45-2		
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub> S		
Molecular Weight:	346.36		
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 (288.72 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	2.8872 mL	14.4358 mL	28.8717 mL
	5 mM	0.5774 mL	2.8872 mL	5.7743 mL
	10 mM	0.2887 mL	1.4436 mL	2.8872 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 (7.22 mM); Clear solution; Need ultrasonic			

### BIOLOGICAL ACTIVITY

Description	WRN inhibitor 4 (example 107), a cyclic vinyl sulfone compound, is a Wemer Syndrome ATP dependent helicase enzyme (WRN) inhibitor. WRN inhibitor 4 can be used for the research of cancer <sup>[1]</sup> .
-------------	--

### REFERENCES

[1]. Ashley ADAMS, et al. Cyclic vinyl sulfone compounds as wrn inhibitors. Patent. WO2023062575 A1.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA