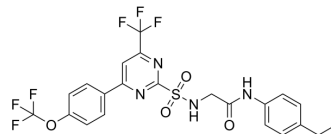


H3B-968

Cat. No.:	HY-149887		
CAS No.:	2912294-90-5		
Molecular Formula:	C ₂₂ H ₁₈ F ₆ N ₄ O ₄ S		
Molecular Weight:	548.46		
Target:	DNA/RNA Synthesis		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (455.82 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8233 mL	9.1164 mL	18.2329 mL
	5 mM	0.3647 mL	1.8233 mL	3.6466 mL
	10 mM	0.1823 mL	0.9116 mL	1.8233 mL

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

BIOLOGICAL ACTIVITY

Description

H3B-968 is a potent inhibitor of Werner syndrome protein (WRN) (IC₅₀~10 nM) which acts function as helicase/ATPase and exonuclease. WRN exhibits synthetic lethal activity in cancer research. However, H3B-968 inhibits WRN helicase activity competitively with ATP^[1].

IC₅₀ & Target

Werner syndrome protein (WRN)^[1]

REFERENCES

[1]. Parker MJ, et al. Identification of 2-Sulfonyl/Sulfonamide Pyrimidines as Covalent Inhibitors of WRN Using a Multiplexed High-Throughput Screening Assay. *Biochemistry*. 2023 Jul 18;62(14):2147-2160.

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

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