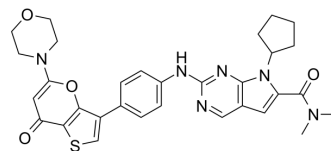


SRX3177

Cat. No.:	HY-153894		
CAS No.:	2241237-51-2		
Molecular Formula:	C ₃₁ H ₃₂ N ₆ O ₄ S		
Molecular Weight:	584.69		
Target:	CDK; Epigenetic Reader Domain; PI3K		
Pathway:	Cell Cycle/DNA Damage; Epigenetics; PI3K/Akt/mTOR		
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 : 25 mg/mL (42.76 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7103 mL	8.5515 mL	17.1031 mL
	5 mM	0.3421 mL	1.7103 mL	3.4206 mL
	10 mM	0.1710 mL	0.8552 mL	1.7103 mL

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

BIOLOGICAL ACTIVITY

Description

SRX3177 is a triple inhibitor of CDK4/6, PI3K, and BRD4, with IC₅₀s of 33 nM (BRD4 BD1), 89 nM (BRD4 BD2), 79 nM (PI3Kα), 83 nM (PI3Kδ), 3.18 μM (PI3Kγ), <2.5 nM (CDK4), 3.3 nM (CDK6), respectively. SRX3177 exerts broad cytotoxic activity against cancer cells, but acts friendly with normal epithelial cells^[1].

REFERENCES

[1]. Burgoyne AM, et al. A triple action CDK4/6-PI3K-BET inhibitor with augmented cancer cell cytotoxicity. Cell Discov. 2020 Jul 28;6(1):49.

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

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