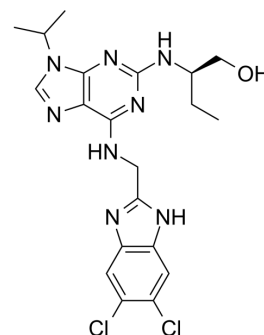


DS17

Cat. No.:	HY-160501		
Molecular Formula:	C ₂₀ H ₂₄ Cl ₂ N ₈ O		
Molecular Weight:	463.36		
Target:	CDK; Molecular Glues		
Pathway:	Cell Cycle/DNA Damage; PROTAC		
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 (215.81 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.1581 mL	10.7907 mL	21.5815 mL
	5 mM		0.4316 mL	2.1581 mL	4.3163 mL
	10 mM		0.2158 mL	1.0791 mL	2.1581 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (5.40 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (5.40 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (5.40 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

DS17 is a molecular glue that acts as a potent degrader of cyclin K, with an EC₅₀ of 13 nM. DS17 plays an important role in cancer research^[1].

REFERENCES

- [1]. Zuzanna Kozicka, et al. Design principles for cyclin K molecular glue degraders. Nat Chem Biol. 2024 Jan;20(1):93-102. Biol. 2024 Jan;20(1):93-102.

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

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