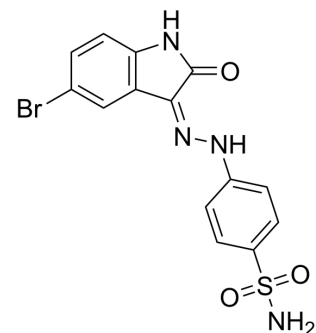


CDK2-IN-3

Cat. No.:	HY-112460		
CAS No.:	222035-13-4		
Molecular Formula:	C ₁₄ H ₁₁ BrN ₄ O ₃ S		
Molecular Weight:	395.23		
Target:	CDK		
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 : 100 mg/mL (253.02 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	2.5302 mL	12.6509 mL	25.3017 mL
			5 mM	0.5060 mL	2.5302 mL	5.0603 mL
10 mM	0.2530 mL	1.2651 mL	2.5302 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 (6.33 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	CDK2-IN-3 (compound 3) is a potent and selective CDK2 inhibitor with an IC_{50} of 60 nM ^[1] .
IC ₅₀ & Target	CDK2 60 nM (IC ₅₀)

REFERENCES

[1]. S T Davis, et al. Prevention of chemotherapy-induced alopecia in rats by CDK inhibitors. Science. 2001 Jan 5;291(5501):134-7.

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

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