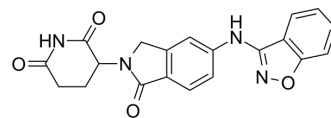


SJ3149

Cat. No.:	HY-160444		
CAS No.:	3026986-17-1		
Molecular Formula:	C ₂₀ H ₁₆ N ₄ O ₄		
Molecular Weight:	376.37		
Target:	Casein Kinase		
Pathway:	Cell Cycle/DNA Damage; Stem Cell/Wnt		
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 : 75 mg/mL (199.27 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.6570 mL	13.2848 mL	26.5696 mL	
5 mM	0.5314 mL	2.6570 mL	5.3139 mL	
10 mM	0.2657 mL	1.3285 mL	2.6570 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: ≥ 3 mg/mL (7.97 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 3 mg/mL (7.97 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

SJ3149 is a selective and potent degrader of CK1α protein in vitro and in vivo. SJ3149 has antitumor activity^[1].

REFERENCES

- [1]. Nishiguchi G, et al. Selective CK1α degraders exert antiproliferative activity against a broad range of human cancer cell lines. Nat Commun. 2024 Jan 16;15(1):482.

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

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