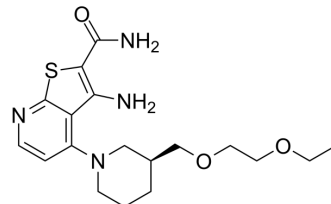


DS96432529

Cat. No.:	HY-145121
CAS No.:	2871872-79-4
Molecular Formula:	C ₁₈ H ₂₆ N ₄ O ₃ S
Molecular Weight:	378.49
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (264.21 mM; Need ultrasonic)			
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg
				5 mg
				10 mg
				1 mM
5 mM	0.5284 mL	2.6421 mL	5.2842 mL	
10 mM	0.2642 mL	1.3210 mL	2.6421 mL	
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.61 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	DS96432529 is a potent and orally active bone anabolic agent through CDK8 inhibition.
IC ₅₀ & Target	CDK8

REFERENCES

[1]. Saito K, et al. Discovery of 3-amino-4-((3S)-3-[(2-ethoxyethoxy)methyl]piperidin-1-yl)thieno[2,3-b]pyridine-2-carboxamide (DS96432529): A potent and orally active bone anabolic agent. *Bioorg Med Chem Lett.* 2021 Dec 15;54:128440.

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