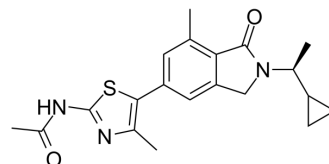


AZ2

Cat. No.:	HY-111570		
CAS No.:	2231760-33-9		
Molecular Formula:	C ₂₀ H ₂₃ N ₃ O ₂ S		
Molecular Weight:	369.48		
Target:	PI3K		
Pathway:	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 : 50 mg/mL (135.33 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.7065 mL	13.5325 mL	27.0651 mL
	5 mM	0.5413 mL	2.7065 mL	5.4130 mL
	10 mM	0.2707 mL	1.3533 mL	2.7065 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 (6.77 mM); Suspended solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.77 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	AZ2 is a highly selective PI3Kγ inhibitor (The pIC ₅₀ value for PI3Kγ is 9.3). AZ2 can be used for the research of inflammatory and immune diseases ^[1] .			
IC₅₀ & Target	PI3Kγ 9.3 (pIC ₅₀)	PI3Kδ 6.6 (pIC ₅₀)	PI3Kα 5.1 (pIC ₅₀)	PI3Kβ 4.5 (pIC ₅₀)
In Vitro	AZ2 (0.1~100 nM; 1 hour; SKOV-3 cells) excellent selectivity for PI3Kγ is further confirmed with a constitutively activated PI3K/Akt pathway ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

REFERENCES

[1]. Gangadhara G, et al. A class of highly selective inhibitors bind to an active state of PI3K γ . Nat Chem Biol. 2019;15(4):348-357.

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