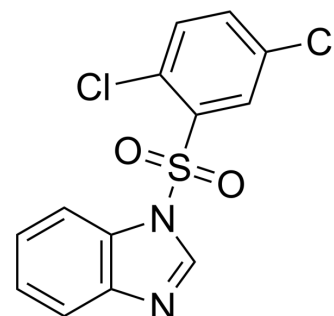


WDR5-IN-6

Cat. No.:	HY-154949		
CAS No.:	326901-92-2		
Molecular Formula:	C ₁₃ H ₈ Cl ₂ N ₂ O ₂ S		
Molecular Weight:	327.19		
Target:	WDR5		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (305.63 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.0563 mL	15.2816 mL	30.5633 mL
		5 mM		0.6113 mL	3.0563 mL	6.1127 mL
	10 mM		0.3056 mL	1.5282 mL	3.0563 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 (7.64 mM); Clear solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (7.64 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	WDR5-IN-6 is a WDR5 inhibitor, targeting to WBM site. WDR5-IN-6 inhibits cell proliferation of neuroblastoma cell lines with potent anti-tumor activity. WDR5-IN-6 shows high synergy with OICR-9429 (HY-16993), a WDR5 inhibitor targeting to WIN site. WDR5-IN-6 can be used for reasearch in neuroblastoma ^[1] .
IC₅₀ & Target	WDR5 ^[1]
In Vitro	WDR5-IN-6 (compound 19) inhibits the proliferation of IMR32 and LAN5 cells with EC ₅₀ values of 12.34 and 14.89 μM, respectively. WDR5-IN-6 shows moderate inhibitory effect on SK-N-AS cells, without effect on HEK293T cells at 20 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Han QL, et al. Discovery, evaluation and mechanism study of WDR5-targeted small molecular inhibitors for neuroblastoma. Acta Pharmacol Sin. 2023 Apr;44(4):877-887.

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