RedChemExpress

HY-145762

2230914-84-6

 $C_{56}H_{71}N_7O_9S$

Apoptosis; Epigenetics

Apoptosis; Histone Methyltransferase

Please store the product under the recommended conditions in the Certificate of

1018.27

YM281

Cat. No.:

CAS No.:

Target:

Pathway:

Storage:

Molecular Formula:

Molecular Weight:

Product Data Sheet

	Analysis.		roteins
BIOLOGICAL AG	СТІVІТҮ		
Description		inhibitor. YM281 induces cell apoptosis and cell cycle arrest at the G0/G1 phase. YM281 shows b. YM281 has the potential for the research of lymphoma ^[1] .	
In Vitro	complex through the VH YM281 (0-10 μM; 24 h) sh YM281 (0-5 μM) induces YM281 (0-5 μM; 24 h) inc lymphoma cells ^[1] .	D-6 μM; 0-48 h) decreases the EZH2 protein level and the PRC2 (polycomb repressive complex 2) IL (vonHippel–Lindau)-dependent ubiquitin-proteasome system ^[1] . hows anticancer effects in lymphoma cells ^[1] . cell apoptosis and cell cycle arrest at the G0/G1 phase ^[1] . reases the activity of caspase-3 and -7 and meanwhile reduces the cell viability in primary ntly confirmed the accuracy of these methods. They are for reference only.	
	Cell Line:	SU-DHL-2, 22Rv1 cells	
	Concentration:	0-6 μΜ	
	Incubation Time:	0-48 h	
	Result:	Abrogated both the EZH2 protein level and the H3K27me3 degree in a concentration- dependent manner in 24 h, had no significant effect on the protein level of EZH1, and significantly increased the expression of EZH2 ubiquitination.	
	Cell Viability Assay ^[1]		
	Cell Line:	SU-DHL-2, SU-DHL-4, SU-DHL-6 cells	
	Concentration:	0-10 μΜ	
	Incubation Time:	24 h	
	Result:	Induced nearly complete cell viability inhibition.	
	Cell Cycle Analysis ^[1]		
	Cell Line:	SU-DHL-6 cells	

	Concentration:	1, 3, 5 μΜ
	Incubation Time:	24 h
	Result:	Induced cell cycle arrest at the G0/G1 phase and a profound sub-G1 population increasein a concentration-dependent manner.
	Apoptosis Analysis ^[1]	
	Cell Line:	SU-DHL-6 cells
	Concentration:	0-5 μΜ
	Incubation Time:	48 h
	Result:	Significantly increased the expression of cleaved caspase-3 and PARP.
'ivo	protein and H3K27me3 MCE has not independe	ntly confirmed the accuracy of these methods. They are for reference only.
'ivo	protein and H3K27me3	levels ^[1] .
ivo	protein and H3K27me3	levels ^[1] . ntly confirmed the accuracy of these methods. They are for reference only. Balb/c nude mice (SU-DHL-6 xenograft model) ^[1]
ivo	protein and H3K27me3 MCE has not independer Animal Model:	levels ^[1] . ntly confirmed the accuracy of these methods. They are for reference only. Balb/c nude mice (SU-DHL-6 xenograft model) ^[1] 80 mg/kg
ivo	protein and H3K27me3 MCE has not independer Animal Model: Dosage:	levels ^[1] . ntly confirmed the accuracy of these methods. They are for reference only. Balb/c nude mice (SU-DHL-6 xenograft model) ^[1] 80 mg/kg I.v.; 6 times for 3 weeks
ivo	protein and H3K27me3 MCE has not independer Animal Model: Dosage: Administration:	levels ^[1] . ntly confirmed the accuracy of these methods. They are for reference only. Balb/c nude mice (SU-DHL-6 xenograft model) ^[1] 80 mg/kg I.v.; 6 times for 3 weeks Remarkably suppressed the tumor volume and significantly reduced the EZH2 protein an
ivo	protein and H3K27me3 MCE has not independer Animal Model: Dosage: Administration: Result:	levels ^[1] . ntly confirmed the accuracy of these methods. They are for reference only. Balb/c nude mice (SU-DHL-6 xenograft model) ^[1] 80 mg/kg I.v.; 6 times for 3 weeks Remarkably suppressed the tumor volume and significantly reduced the EZH2 protein an H3K27me3 levels.
ivo	protein and H3K27me3 MCE has not independed Animal Model: Dosage: Administration: Result: Animal Model:	levels ^[1] . ntly confirmed the accuracy of these methods. They are for reference only. Balb/c nude mice (SU-DHL-6 xenograft model) ^[1] 80 mg/kg I.v.; 6 times for 3 weeks Remarkably suppressed the tumor volume and significantly reduced the EZH2 protein an H3K27me3 levels. Balb/c nude mice (Jeko-1 xenograft model) ^[1]

REFERENCES

[1]. Tu Y, et al. Design, Synthesis, and Evaluation of VHL-Based EZH2 Degraders to Enhance Therapeutic Activity against Lymphoma. J Med Chem. 2021 Jul 22;64(14):10167-10184.

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