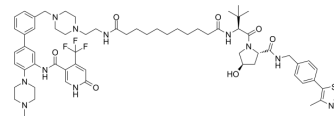


MS33

Cat. No.:	HY-141797
CAS No.:	2407449-11-8
Molecular Formula:	C ₆₄ H ₈₄ F ₃ N ₁₁ O ₇ S
Molecular Weight:	1208.48
Target:	Histone Methyltransferase; PROTACs
Pathway:	Epigenetics; PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MS33 is a potent WDR5 degrader, with K _d s of 870 nM and 120 nM for VCB and WDR5, respectively. MS33 induces WDR5 degradation in an E3 ligase VHL, and proteasome-dependent manner. MS33 can be used for the research of acute myeloid leukemia ^{[1][2][3]} .		
IC ₅₀ & Target	VHL	WDR5 120 nM (Kd)	VCB 870 nM (Kd)
In Vitro	MS33 (0.05-5 μM; 18 h) induces WDR5 degradation in a concentration-dependent manner in MV4;11 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		
	Western Blot Analysis ^[1]		
	Cell Line:	MV4;11 cells	
	Concentration:	0.05, 0.1, 0.5, 1, 5 μM	
	Incubation Time:	1, 2, 4, 8, 16, 24 hours	
	Result:	Concentration- and time-dependently induced WDR5 degradation. The DC ₅₀ of MS33 was 260 nM, and the maximum degradation of 71%.	

REFERENCES

[1]. Yu X, et, al. A selective WDR5 degrader inhibits acute myeloid leukemia in patient-derived mouse models. Sci Transl Med. 2021 Sep 29;13(613):eabj1578.

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