WSB1 Degrader 1

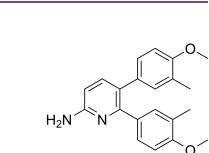
Cat. No.:	HY-141482		
CAS No.:	2306039-66-5		
Molecular Formula:	$C_{21}H_{22}N_{2}O_{2}$		
Molecular Weight:	334.41		
Target:	E1/E2/E3 Enzyme		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

SOLVENT & SOLUBILITY

29.9034 mL				
5.9807 mL				
2.9903 mL				
10 mM0.2990 mL1.4952 mL2.9903 mLPlease refer to the solubility information to select the appropriate solvent.1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline				

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Description	WSB1 Degrader 1 is a poten and orally active WSB1 (WD repeat and SOCS box-containing 1) degrader. WSB1 Degrader 1 has anticancer metastatic effects ^[1] .
In Vitro	 WSB1 Degrader 1 (compound 4; 0.25-2500 nM; 2-24 hours; H1299-WSB1 cells) treatment indues WSB1 degradation in time-dependent and dose-dependent manners^[1]. WSB1 Degrader 1 (compound 4) exhibits potent antimigration efficacy in both KHOS and H460 cell lines with IC₅₀ values of 39.1 μM and 24.47 μM, respectively^[1]. WSB1 Degrader 1 (compound 4) significantly inhibits cancer cell migration under normoxia and hypoxia in KHOS cells. WSB1 Degrader 1 (compound 4) significantly inhibits cancer cell migration under normoxia and hypoxia in KHOS cells. WSB1 Degrader 1 (5 μM) treatment elevates the levels of the RhoGDl2 protein in KHOS cells under hypoxia^[1]. The wound-healing of H1299-WSB1 cells is significantly inhibited by treating with WSB1 Degrader 1. WSB1 Degrader 1 can only block the wound-healing capability of wild-type A2780 (A2780-WT) cells but not the A2780-WSB1/KO cells^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Product Data Sheet





Western Blot Analysis ^[1]	
Cell Line:	H1299-WSB1 cells
Concentration:	0.25 nM, 2.5 nM, 25 nM, 250 nM, 2500 nM
Incubation Time:	2 hours, 4 hours, 6 hours, 8 hours, 12 hours, 24 hours
Result:	Induced WSB1 degradation in time-dependent and dose-dependent manners.
administration are obse Moreover, C _{max} and AUC exposure ^[1] .	oral dosing or 160 mg/kg intraperitoneal dosing of WSB1 Degrader 1 (compound 4), the two ways of rved with quick absorption (Tmax), but the former dosing displayed a fast clearance ($T_{1/2}$). C_{0-t} values of WSB1 Degrader 1 in oral or intraperitoneal dosing groups showed acceptable blood ntly confirmed the accuracy of these methods. They are for reference only.
Animal Model:	Balb/c (nu/nu) mice bearing highly metastatic 4T1 breast cancer cells ^[1] .
Animal Model: Dosage:	Balb/c (nu/nu) mice bearing highly metastatic 4T1 breast cancer cells ^[1] . 100 mg/kg/day

REFERENCES

[1]. Jinxin Che, et al. Discovery of 5,6-Bis(4-methoxy-3-methylphenyl)pyridin-2-amine as a WSB1 Degrader to Inhibit Cancer Cell Metastasis. J Med Chem. 2021 Jun 1.

Caution: Product has not been fully validated for medical applications. For research use only.

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