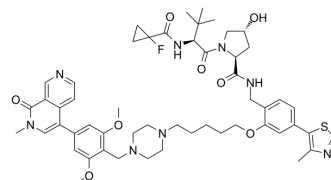


VZ185

Cat. No.:	HY-114322
CAS No.:	2306193-61-1
Molecular Formula:	C ₅₃ H ₆₇ FN ₈ O ₈ S
Molecular Weight:	995.21
Target:	PROTACs; Epigenetic Reader Domain
Pathway:	PROTAC; Epigenetics
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (200.96 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	1.0048 mL	5.0241 mL	10.0481 mL
		5 mM	0.2010 mL	1.0048 mL	2.0096 mL
		10 mM	0.1005 mL	0.5024 mL	1.0048 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (5.02 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	VZ185 is a potent, fast, and selective von Hippel-Lindau based dual degrader probe of BRD9 and BRD7 with DC ₅₀ s of 4.5 and 1.8 nM, respectively. VZ185 is cytotoxic in EOL-1 and A-402 cells, with EC ₅₀ s of 3 nM and 40 nM, respectively ^[1] .	
IC₅₀ & Target	BRD7 4.5 nM (DC50)	BRD9 1.8 nM (DC50)
In Vitro	Degradation analysis in a panel of other human cancer cell lines (EOL-1, A-204) confirms the potency of VZ185 (DC ₅₀ between 2 and 8 nM for BRD9). In vitro PK data further showed high stabilities of VZ185 in both plasma and microsomes from both human and mouse species, as well as high aqueous kinetic solubility (up to ~100 μM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Zoppi V, et al. Iterative Design and Optimization of Initially Inactive Proteolysis Targeting Chimeras (PROTACs) Identify VZ185 as a Potent, Fast, and Selective von Hippel-Lindau (VHL) Based Dual Degradator Probe of BRD9 and BRD7. J Med Chem. 2019 Jan 24;62(2):699-726.

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

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