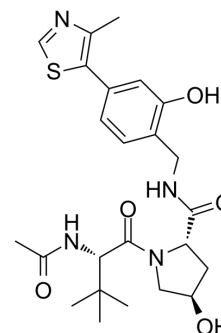


VH032-OH

Cat. No.:	HY-136164
CAS No.:	2244684-42-0
Molecular Formula:	C ₂₄ H ₃₂ N ₄ O ₅ S
Molecular Weight:	488.6
Target:	Ligands for E3 Ligase
Pathway:	PROTAC
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (102.33 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.0467 mL	10.2333 mL	20.4666 mL
				5 mM	0.4093 mL	2.0467 mL	4.0933 mL
				10 mM	0.2047 mL	1.0233 mL	2.0467 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 (5.12 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.12 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.12 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	VH032-OH is the VH032-based VHL ligand. VH032-OH can be connected to the ligand for protein by a linker to form PROTACs [1].
IC ₅₀ & Target	VHL
In Vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Maniaci C, et al. Homo-PROTACs: bivalent small-molecule dimerizers of the VHL E3 ubiquitin ligase to induce self-degradation. Nat Commun. 2017;8(1):830. Published 2017 Oct 10.

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

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