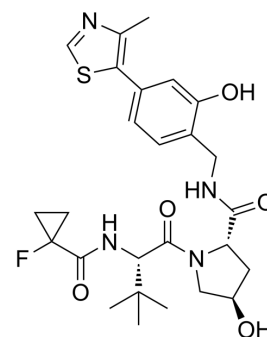


## VH032-cyclopropane-F

<b>Cat. No.:</b>	HY-125905		
<b>CAS No.:</b>	2306193-99-5		
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>33</sub> FN <sub>4</sub> O <sub>5</sub> S		
<b>Molecular Weight:</b>	532.63		
<b>Target:</b>	Ligands for E3 Ligase		
<b>Pathway:</b>	PROTAC		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (187.75 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8775 mL	9.3874 mL	18.7748 mL
5 mM	0.3755 mL	1.8775 mL	3.7550 mL
10 mM	0.1877 mL	0.9387 mL	1.8775 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (4.69 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (4.69 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (4.69 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

VH032-cyclopropane-F is the VH032-based VHL ligand. VH032-cyclopropane-F can be connected to the ligand for protein (e.g., SMARCA BD ligand) by a linker to form PROTACs (e.g., PROTAC 1). PROTAC 1 is a partial degrader of SMARCA2 and SMARCA4<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

VHL

#### In Vitro

VH032-cyclopropane-F (5 μM, 24 h) increases FAK expression levels in A427 cells<sup>[2]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## CUSTOMER VALIDATION

- Exp Cell Res. 12 October 2021, 112868.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

- [1]. Liu J, et al. FAK-targeting PROTAC demonstrates enhanced antitumor activity against KRAS mutant non-small cell lung cancer. Exp Cell Res. 2021 Nov 15;408(2):112868.
- [2]. Farnaby W, et al. BAF complex vulnerabilities in cancer demonstrated via structure-based PROTAC design. Nat Chem Biol. 2019 Jul;15(7):672-680.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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