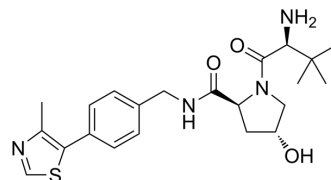


(S,R,S)-AHPC

Cat. No.:	HY-125845		
CAS No.:	1448297-52-6		
Molecular Formula:	C ₂₂ H ₃₀ N ₄ O ₃ S		
Molecular Weight:	430.56		
Target:	Ligands for E3 Ligase		
Pathway:	PROTAC		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (232.26 mM; Need ultrasonic)
 H₂O : ≥ 25 mg/mL (58.06 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		2.3226 mL	11.6128 mL	23.2256 mL
	5 mM		0.4645 mL	2.3226 mL	4.6451 mL
	10 mM		0.2323 mL	1.1613 mL	2.3226 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 (5.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(S,R,S)-AHPC (VH032-NH₂) is the VH032-based VHL ligand used in the recruitment of the von Hippel-Lindau (VHL) protein. (S,R,S)-AHPC can be connected to the ligand for protein (e.g., BCR-ABL1) by a linker to form PROTACs (e.g., GMB-475). GMB-475 induces the degradation of BCR-ABL1 with an IC₅₀ of 1.11 μM in Ba/F3 cells^[1].

IC₅₀ & Target

VHL

CUSTOMER VALIDATION

- Department of Chemistry. 2020 Aug 10.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Burslem GM, et al. Targeting BCR-ABL1 in Chronic Myeloid Leukemia by PROTAC-mediated Targeted Protein Degradation. Cancer Res. 2019 Jul 16. pii: canres.1236.2019.

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