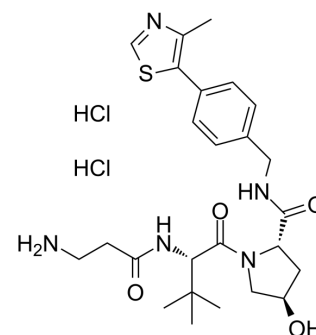


(S,R,S)-AHPC-C2-NH₂ dihydrochloride

Cat. No.:	HY-136163
CAS No.:	2341796-73-2
Molecular Formula:	C ₂₅ H ₃₇ Cl ₂ N ₅ O ₄ S
Molecular Weight:	574.56
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (435.12 mM; Need ultrasonic)																			
Preparing Stock Solutions	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>1.7405 mL</td> <td>8.7023 mL</td> <td>17.4046 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3481 mL</td> <td>1.7405 mL</td> <td>3.4809 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1740 mL</td> <td>0.8702 mL</td> <td>1.7405 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	1 mM	1.7405 mL	8.7023 mL	17.4046 mL	5 mM	0.3481 mL	1.7405 mL	3.4809 mL	10 mM	0.1740 mL	0.8702 mL	1.7405 mL
	Solvent Concentration		Mass																	
		1 mg	5 mg	10 mg																
	1 mM	1.7405 mL	8.7023 mL	17.4046 mL																
5 mM	0.3481 mL	1.7405 mL	3.4809 mL																	
10 mM	0.1740 mL	0.8702 mL	1.7405 mL																	
Please refer to the solubility information to select the appropriate solvent.																				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.62 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.62 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.62 mM); Clear solution 																			

BIOLOGICAL ACTIVITY

Description	(S,R,S)-AHPC-C2-NH ₂ dihydrochloride incorporates a VHL ligand for the E3 ubiquitin ligase, and a PROTAC linker. (S,R,S)-AHPC-OH can be used in the synthesis of a series of PROTACs ^[1] .
IC₅₀ & 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]. Jing Liu, et al. Tropomyosin receptor kinase (trk) degradation compounds and methods of use. WO2020038415A1.

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