

(S,R,S)-AHPC-Me dihydrochloride

Chemical Properties

CAS No. :

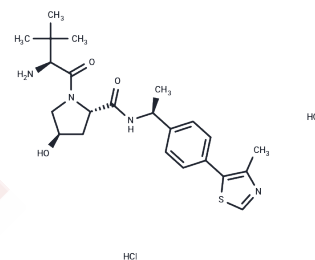
Formula: C₂₃H₃₄Cl₂N₄O₃S

Molecular Weight: 517.51

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	(S,R,S)-AHPC-Me dihydrochloride, also known as VHL ligand 2 dihydrochloride, is a chemical compound used in the synthesis of ARV-771. ARV-771 is a BET PROTAC degrader that relies on von Hippel-Landau (VHL) E3 ligase and exhibits potent degradation of BET proteins in castration-resistant prostate cancer (CRPC) cells, with a DC50 of less than 1 nM. This compound acts as the VHL ligand, specifically the (S,R,S)-AHPC-based VHL ligand, facilitating the recruitment of von Hippel-Lindau (VHL) protein.
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates,Ligands for E3 Ligase

Solubility Information

Solubility	DMSO: 100 mg/mL (193.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 5 mg/mL (9.66 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9323 mL	9.6616 mL	19.3233 mL
5 mM	0.3865 mL	1.9323 mL	3.8647 mL
10 mM	0.1932 mL	0.9662 mL	1.9323 mL
50 mM	0.0386 mL	0.1932 mL	0.3865 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Raina K, et al. PROTAC-induced BET protein degradation as a therapy for castration-resistant prostate cancer. Proc Natl Acad Sci U S A. 2016 Jun 28;113(26):7124-9.

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