Product Datasheet

E3 ligase Ligand 1

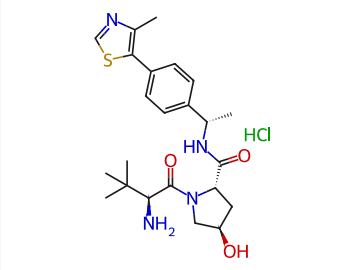
Catalog No. **BP-01952** · CAS **1948273-03-7** · Form **free base** · Physical state **solid** · Color **Off-white to yellow** · Version **1.0** · Revision **2026-11-09**

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Target	Research area
Ligands for E3 Ligase	**Cancer**

Molecular formula	$C_{23}H_{33}ClN_4O_3S$
Molecular weight	**481.0510**

STRUCTURE



DESCRIPTION

(S,R,S)-AHPC-Me hydrochloride (VHL ligand 2 hydrochloride) is the (S,R,S)-AHPC-based VHL ligand used in the recruitment of the von Hippel-Lindau (VHL) protein. (S,R,S)-AHPC-Me hydrochloride can be used to synthesize ARV-771, a von Hippel-Landau (VHL) E3 ligase-based BET PROTAC degrader.

BIOLOGICAL ACTIVITY

In Vitro

The VHL protein is a substrate recognition subunit of two ubiquitously expressed and biologically important Cullin RING E3 ubiquitin ligase complexes. VHL is one of the most popular E3 ligases being recruited by bifunctional Proteolysis-targeting chimeras (PROTACs) to induce ubiquitination and subsequent proteasomal degradation of a target protein.

SOLUBILITY

Soluble in DMSO and water

REFERENCES

[1]. WO/2017/030814A1

[2]. 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.