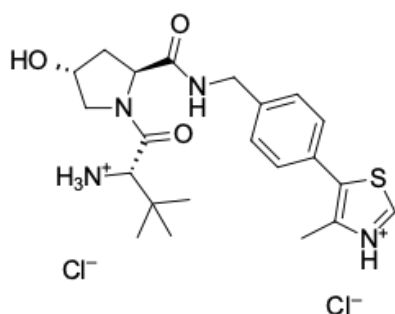


VHL Ligand 1 dihydrochloride

<http://www.lumiprobe.com/p/ahpc-anchor-vhl-ligand-1>

Proteolysis targeting chimeras (PROTACs) are cell-permeable heterobifunctional molecules that can remove specific proteins from the cell. One end of such molecule contains a ligand to bind to the target, and the second end recruits the E3 ligase complex. Close proximity results in substrate polyubiquitination and subsequent protein degradation by cellular proteasome.

VHL Ligand 1 (VH032-NH₂, (S,R,S)-AHPC) is a synthetic E3 ligase ligand that is used as a building block for the synthesis of proteolysis-targeting chimera (PROTAC) molecules.



Structure of VHL Ligand 1 dihydrochloride

General properties

Appearance:	yellow-brown powder
Molecular weight:	503.50
CAS number:	1448189-80-7 (monohydrochloride)
Molecular formula:	C ₂₂ H ₃₂ Cl ₂ N ₄ O ₃ S
IUPAC name:	(4R)-3-methyl-L-valyl-4-hydroxy-N-[[4-(4-methyl-5-thiazolyl)phenyl]methyl]-L-prolinamide, dihydrochloride
Solubility:	methanol, DCM, DMF, DMSO
Quality control:	NMR ¹ H and HPLC-MS (95+%)
Storage conditions:	24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.