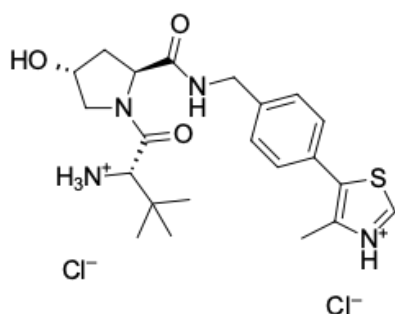


VHL Ligand 1 dihydrochloride

<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: C₂₂H₃₂Cl₂N₄O₃S

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 ¹H 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.

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