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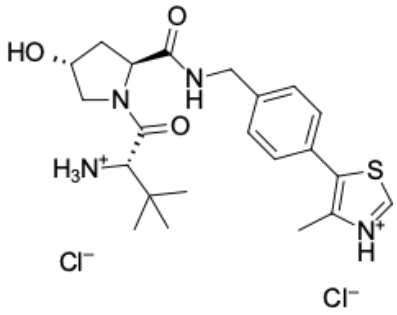
# VHL Ligand 1 dihydrochloride

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: | $C_{22}H_{32}Cl_2N_4O_3S$ |
| 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 receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate. |
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