

## **Lumiprobe Corporation**

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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

llar 503.50

weight:

CAS number: 1448189-80-7 (monohydrochloride)

Molecular

 $C_{22}H_{32}CI_2N_4O_3S$ 

formula:

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 <sup>1</sup>H and HPLC-MS (95+%)

Storage 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks.

conditions: Desiccate.

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statement: 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.