



Product Information

Product ID V281001

CAS No. 1448188-62-2

Chemical Name

Synonym VH 032

Formula $C_{24}H_{32}N_4O_4S$

Formula Wt. 472.6

Melting Point

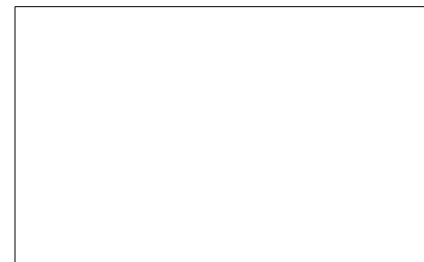
Purity $\geq 98\%$

Solubility

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description VH032 is a small-molecule ligand for the VHL (Von Hippel-Lindau) E3 ubiquitin ligase that mimics the hydroxyproline-containing HIF-1 α degron peptide. VH032 binds the substrate-binding domain of VHL with high affinity and has been extensively used as the VHL-recruiting component in bifunctional PROTAC (Proteolysis Targeting Chimera) molecules to induce targeted proteasomal degradation of proteins of interest. It is a key tool in targeted protein degradation and chemical biology research.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V281001	5 mg	\$110.00
V281001	25 mg	\$375.00
V281001	100 mg	\$975.00

- References**
1. Buckley DL, Van Molle I, Gareiss PC, et al. Targeting the von Hippel-Lindau E3 ubiquitin ligase using small molecules to disrupt the VHL/HIF-1 α interaction. *J Am Chem Soc.* 2012;134(10):4465-8. PMID: 22369643.
 2. Galdeano C, Gadd MS, Soares P, et al. Structure-guided design and optimization of small molecules targeting the protein-protein interaction between the von Hippel-Lindau (VHL) E3 ubiquitin ligase and the hypoxia inducible factor (HIF) alpha subunit. *J Med Chem.* 2014;57(20):8657-63. PMID: 25166285.
 3. Bondeson DP, Mares A, Smith IE, et al. Catalytic in vivo protein knockdown by small-molecule PROTACs. *Nat Chem Biol.* 2015;11(8):611-7. PMID: 26066762.
 4. Cromm PM, Crews CM. Targeted Protein Degradation: from Chemical Biology to Drug Discovery. *Cell Chem Biol.* 2017;24(9):1181-1190. PMID: 28938091.
 5. Zengerle M, Chan KH, Ciulli A. Selective Small Molecule Induced Degradation of the BET Bromodomain Protein BRD4. *ACS Chem Biol.* 2015;10(8):1770-7. PMID: 26035625.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.