



Product Information

Product ID V281020

CAS No. 2097381-85-4

Chemical Name

Synonym VH-298

Formula $C_{27}H_{33}N_5O_4S$

Formula Wt. 523.6

Melting Point

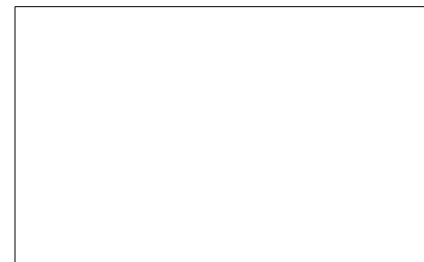
Purity $\geq 98\%$

Solubility

Store Temp -20°C

Ship Temp Ambient

Description VH-298 is a potent, selective inhibitor of the VHL (Von Hippel-Lindau) E3 ubiquitin ligase that competitively blocks binding of the HIF-1 α hydroxyproline degron, preventing VHL-mediated ubiquitination and degradation of HIF- α subunits. VH-298 stabilizes HIF-1 α and HIF-2 α , activating the hypoxia transcriptional program under normoxic conditions. It is used as both a pharmacological HIF stabilizer and as a VHL-recruiting warhead for PROTAC construction.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V281020	5 mg	\$125.00
V281020	25 mg	\$395.00
V281020	100 mg	\$985.00

- References**
1. Frost J, Galdeano C, Soares P, et al. Potent and selective chemical probe of hypoxic signalling downstream of HIF- α hydroxylation via VHL inhibition. *Nat Commun.* 2016;7:13312. PMID: 27811892.
 2. 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.
 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. Kaelin WG Jr, Ratcliffe PJ. Oxygen sensing by metazoans: the central role of the HIF hydroxylase pathway. *Mol Cell.* 2008;30(4):393-402. PMID: 18498744.
 5. Ivan M, Bhatt DL, Bhatt DL, et al. HIF α targeted for VHL-mediated destruction by proline hydroxylation: implications for O2 sensing. *Science.* 2001;292(5516):464-8. PMID: 11292862.

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