

Product Data Sheet

Product Name: VH032
Cat. No.: GC61452

Chemical Properties

Cas. No. 1448188-62-2

SMILES CC(N=CS1)=C1C2=CC=C(CNC([C@@H]3C[C@@H](O)CN3C([C@H](C(C)(C)C)NC(C)=O)=O)=O)C=C2

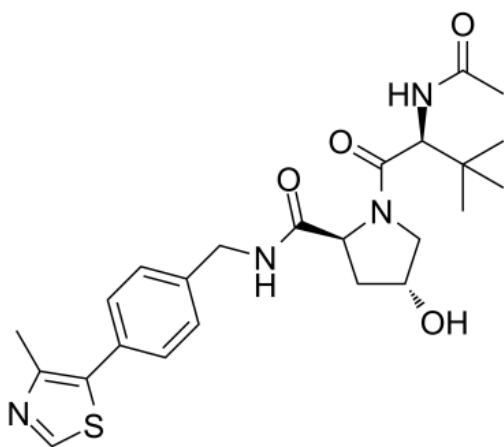
Formula $C_{24}H_{32}N_4O_4S$ M.Wt 472.6

Solubility DMSO: 200 mg/mL (423.19 mM) Storage -20°C , away from moisture and light

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

VH032 is a VHL ligand used in the recruitment of the von Hippel-Lindau (VHL) protein. VH032 is a VHL/HIF-1 α interaction inhibitor with a Kd

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin

Caution: Product has not been fully validated for medical applications. For research use only.

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ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

[1]. Michael Zengerle, et al. Selective Small Molecule Induced Degradation of the BET Bromodomain Protein BRD4. ACS Chem Biol. 2015 Aug 21;10(8):1770-7. [2]. Carles Galdeano, 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 with in vitro nanomolar affinities. J Med Chem. 2014 Oct 23;57(20):8657-63. [3]. Kwok-Ho Chan, et al. Impact of Target Warhead and Linkage Vector on Inducing Protein Degradation: Comparison of Bromodomain and Extra-Terminal (BET) Degraders Derived from Triazolodiazepine (JQ1) and Tetrahydroquinoline (I-BET726) BET Inhibitor Scaffolds. J Med Chem. 2018 Jan 25;61(2):504-513.

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