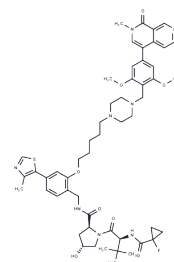


VZ185

Chemical Properties

CAS No. :	2306193-61-1
Formula:	C53H67FN8O8S
Molecular Weight:	995.21
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	VZ185 is a potent, fast-acting, and selective von Hippel-Lindau-based dual degrader probe targeting BRD9 and BRD7 with DC50 values of 4.5 nM and 1.8 nM, respectively. VZ185 displays marked cytotoxicity in EOL-1 and A-402 cell lines with EC50 values of 3 nM and 40 nM, enabling advanced studies of chromatin remodeling, targeted protein degradation, and cancer cell dependency on SWI/SNF complex components.
Targets(IC50)	Epigenetic Reader Domain
In vitro	In biochemical assays, VZ185 functioned as a dual degrader recruiting VHL E3 ligase, exhibiting DC50 values of 1.8 nM for BRD9 and 4.5 nM for BRD7. In cellular assays utilizing human cancer cell lines EOL-1 and A-204, the compound mediated BRD9 degradation with DC50 values ranging from 2 to 8 nM while maintaining stability in plasma and microsomes [1].

Solubility Information

Solubility	DMSO: 160 mg/mL (160.77 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0048 mL	5.0241 mL	10.0481 mL
5 mM	0.201 mL	1.0048 mL	2.0096 mL
10 mM	0.1005 mL	0.5024 mL	1.0048 mL
50 mM	0.0201 mL	0.1005 mL	0.201 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zoppi V, et al. Iterative Design and Optimization of Initially Inactive Proteolysis Targeting Chimeras (PROTACs) Identify VZ185 as a Potent, Fast, and Selective von Hippel-Lindau (VHL) Based Dual Degradator Probe of BRD9 and BRD7. *J Med Chem.* 2019 Jan 24;62(2):699-726.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481