

Product Data Sheet

Product Name: VZ185
Cat. No.: GC65135

Chemical Properties

Cas. No. 2306193-61-1

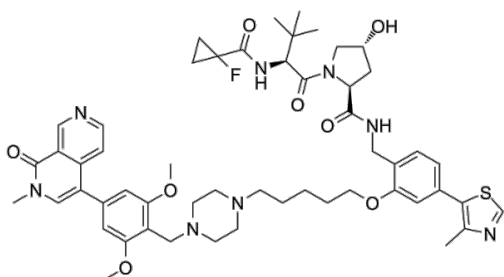
Formula C₅₃H₆₇FN₈O₈S M.Wt 995.21

Solubility DMSO : 200 mg/mL (200.96 mM; Storage Store at -20°C
Need ultrasonic)

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



Protocol

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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BRD7 BRD9

4.5nM(DC₅₀) 1.8nM(DC₅₀)

Background

VZ185 is a potent, fast, and selective von Hippel-Lindau based dual degrader probe of BRD9 and BRD7 with DC50s of 4.5 and 1.8 nM, respectively. VZ185 is cytotoxic in EOL-1 and A-402 cells, with EC50s of 3 nM and 40 nM, respectively[1].

Degradation analysis in a panel of other human cancer cell lines (EOL-1, A-204) confirms the potency of VZ185 (DC50 between 2 and 8 nM for BRD9). In vitro PK data further showed high stabilities of VZ185 in both plasma and microsomes from both human and mouse species, as well as high aqueous kinetic solubility (up to ~100 µM)[1].

[1]. 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 Degradar Probe of BRD9 and BRD7. J Med Chem. 2019 Jan 24;62(2):699-726.

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