

PROTAC BRD4 Degradator-15

Chemical Properties

CAS No. : 2417370-67-1

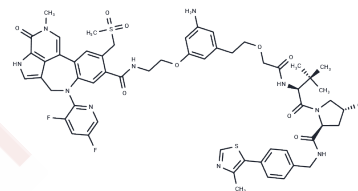
Formula: C57H62F2N10O10S2

Molecular Weight: 1149.3

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PROTAC BRD4 Degradator-15 is a chemical compound consisting of a PROteolysis TArgeting Chimera (PROTAC) linked to ligands specific to von Hippel-Lindau and BRD4. It exhibits an IC50 of 7.2 nM for BRD4 BD1 and 8.1 nM for BRD4 BD2 and demonstrates potent degradation activity against the BRD4 protein in PC3 prostate cancer cells.
Targets(IC50)	Others, Epigenetic Reader Domain, PROTACs
In vitro	PROTAC BRD4 Degradator-15 (compound 13) effectively reduces MYC gene expression in MV4-11 AML cells within 4 hours with an IC50 of 15 nM[1], and over 6 days, significantly inhibits the growth of HL-60 and PC3-S1 cells with IC50 values of 4.2 nM and 91 nM, respectively[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8701 mL	4.3505 mL	8.7009 mL
5 mM	0.174 mL	0.8701 mL	1.7402 mL
10 mM	0.087 mL	0.435 mL	0.8701 mL
50 mM	0.0174 mL	0.087 mL	0.174 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

Dragovich PS, et, al. Antibody-Mediated Delivery of Chimeric BRD4 Degradators. Part 2: Improvement of In Vitro Antiproliferation Activity and In Vivo Antitumor Efficacy. J Med Chem. 2021 Mar 11;64(5):2576-2607.

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