

## PROTAC BRD4 Degradator-8

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight  
 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-8 is a potent BRD4 inhibitor with IC50 values of 1.1 nM and 1.4 nM for BRD4 BD1 and BD2, respectively, effectively degrading the BRD4 protein in PC3 prostate cancer cells[1].                                                                                                                                                                  |
| Targets(IC50) | Epigenetic Reader Domain,PROTACs                                                                                                                                                                                                                                                                                                                                       |
| In vitro      | PROTAC BRD4 Degradator-8 (compound 8; 6 days) inhibits the proliferation of PC3 prostate cancer cells, with an IC50 of 28 nM[1].PROTAC BRD4 Degradator-8 (4 h) suppresses MYC gene transcript in MV4-11 AML cells, with an IC50 of 11 nM[1].PROTAC BRD4 Degradator-8 (4 h) potently degrades the BRD4 protein in PC3 prostate cancer cells, with an DC50 of 7.5 nM[1]. |

## Solubility Information

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solubility          | DMSO: 90 mg/mL,Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble)                                                                                                                                                                                                                                                                                                                                                                                   |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween-80+45% Saline: 5 mg/mL,Sonication is recommended.<br><i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

## 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