

## PROTAC BRD4 Degradar-5

## Chemical Properties

CAS No. : 2409538-70-9

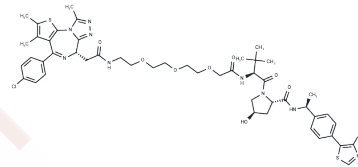
Formula: C50H62ClN9O8S2

Molecular Weight: 1016.67

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 Degradar-5 is a PROTAC that efficiently degrades BRD4 in HER2-positive and -negative breast cancer cell lines, and is formed by linking von Hippel-Lindau ligand to BRD4 ligand.
Targets(IC50)	Epigenetic Reader Domain,PROTACs
In vitro	5-100 nM PROTAC BRD4 Degradar-5 treatment of MCF-7, MDA-MB-231, SK-BR-3 and BT-474 cells for 4 h was able to degrade BRD4 in the cells. [1]

## Solubility Information

Solubility	DMSO: 145 mg/mL (142.62 mM),Sonication is recommended. H2O: < 0.1 mg/mL (insoluble) (< 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 (4.92 mM),Sonication is recommended. <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>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.9836 mL	4.918 mL	9.836 mL
5 mM	0.1967 mL	0.9836 mL	1.9672 mL
10 mM	0.0984 mL	0.4918 mL	0.9836 mL
50 mM	0.0197 mL	0.0984 mL	0.1967 mL

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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

Maneiro MA, et al. Antibody-PROTAC Conjugates Enable HER2-Dependent Targeted Protein Degradation of BRD4. ACS Chem Biol. 2020 Jun 19;15(6):1306-1312.

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