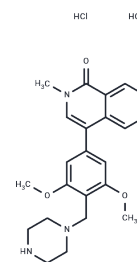


BRD7-IN-1

Chemical Properties

CAS No. :	2448414-48-8
Formula:	C ₂₂ H ₂₈ Cl ₂ N ₄ O ₃
Molecular Weight:	467.39
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	BRD7-IN-1, a modified derivative of BI7273 (BRD7/9 inhibitor), forms PROTAC VZ185 via linkage to a VHL ligand, demonstrating potent activity against BRD7/9 with DC50 values of 4.5 and 1.8 nM, respectively [1].
Targets(IC50)	Epigenetic Reader Domain

Solubility Information

Solubility	DMSO: 30 mg/mL (64.19 mM), Sonication is recommended. H ₂ O: 100 mg/mL (213.95 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.5 mg/mL (5.35 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

	1mg	5mg	10mg
1 mM	2.1395 mL	10.6977 mL	21.3954 mL
5 mM	0.4279 mL	2.1395 mL	4.2791 mL
10 mM	0.214 mL	1.0698 mL	2.1395 mL
50 mM	0.0428 mL	0.214 mL	0.4279 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 Degradation Probe of BRD9 and BRD7. J Med Chem. 2019 Jan 24;62(2):699-726.

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