

DD 03-171

Chemical Properties

CAS No. : 2366132-45-6

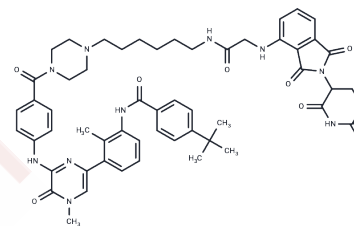
Formula: C55H62N10O8

Molecular Weight: 991.163

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	Potent and selective BTK Degradator (IC ₅₀ = 5.1 nM); degrades BTK in a proteasome- and CRBN-dependent manner. Suppresses BTK signaling and proliferation in mantle cell lymphoma (MCL) cells by degrading BTK, IKFZ1, and IKFZ3 (3 validated targets in B-cell malignancies). Also degrades Ibrutinib-resistant C481S-BTK mutant cancer cells. Exhibits no binding against a panel of 468 kinases at 1 μM. Reduces tumor burden and extends survival in lymphoma patient-derived xenograft models.
Targets(IC50)	Others,BTK,PROTACs

Solubility Information

Solubility	DMSO: 49.56 mg/mL (50 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 mg/mL (2.02 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	1.0089 mL	5.0446 mL	10.0892 mL
5 mM	0.2018 mL	1.0089 mL	2.0178 mL
10 mM	0.1009 mL	0.5045 mL	1.0089 mL
50 mM	0.0202 mL	0.1009 mL	0.2018 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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