

MT-802

Chemical Properties

CAS No. : 2231744-29-7

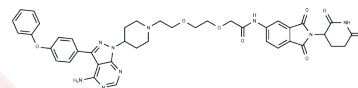
Formula: C41H41N9O8

Molecular Weight: 787.82

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	MT-802 is an effective BTK degrader based on PROTAC technology (DC50: 1 nM). MT-802 has the potential to treat C481S mutant chronic lymphocytic leukemia (CLL).
Targets(IC50)	BTK,PROTACs
In vitro	MT-802 degrades BTK (DC50: 9.1 nM). The maximal degradation was observed by 250 nM.

Solubility Information

Solubility	DMSO: 135 mg/mL (171.36 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: 4 mg/mL (5.08 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	1.2693 mL	6.3466 mL	12.6933 mL
5 mM	0.2539 mL	1.2693 mL	2.5387 mL
10 mM	0.1269 mL	0.6347 mL	1.2693 mL
50 mM	0.0254 mL	0.1269 mL	0.2539 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

Buhimschi AD, et al. Targeting the C481S Ibrutinib-Resistance Mutation in Bruton's Tyrosine Kinase Using PROTAC-Mediated Degradation. *Biochemistry*. 2018 Jul 3;57(26):3564-3575.

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