

BLK degrader 1

Chemical Properties

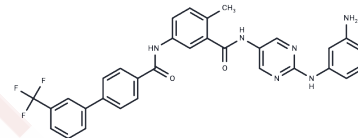
CAS No. : 3049215-64-4

Formula: C₃₂H₂₅F₃N₆O₂

Molecular Weight: 582.58

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	BLK degrader 1 is a selective B lymphoid tyrosine kinase (BLK) degrader with anticancer activity and can be used for cancer research.
Targets(IC50)	Others,BTK,Src

Solubility Information

Solubility	DMSO: 80 mg/mL (137.32 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: 3.3 mg/mL (5.66 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	1.7165 mL	8.5825 mL	17.165 mL
5 mM	0.3433 mL	1.7165 mL	3.433 mL
10 mM	0.1717 mL	0.8583 mL	1.7165 mL
50 mM	0.0343 mL	0.1717 mL	0.3433 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

Fu T, et al. Discovery of 2,5-diaminopyrimidine derivatives as the first series of selective monomeric degraders of B-lymphoid tyrosine kinase. Eur J Med Chem. 2023 Aug 5;256:115460.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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