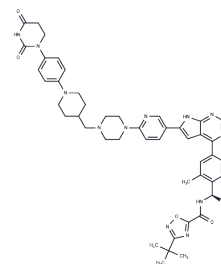


BTK-IN-29

Chemical Properties

CAS No. :	2736508-60-2
Formula:	C47H54N12O4
Molecular Weight:	851.01
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	BTK-IN-29 is a selective, orally active BTK degrader (IC50=0.69 nM) capable of degrading the entire BTK protein and counteracting BTK mutations. It can be used to study B-cell malignancies such as chronic lymphocytic leukemia, small lymphocytic lymphoma, mantle cell lymphoma, and others.
Targets(IC50)	BTK,PROTACs
In vivo	In NCG mice with subcutaneously implanted REC-1 cancer cells, BGB-16673 (BTK-IN-29) (6/20 mg/kg) dose-dependently and effectively inhibited tumor growth [3].

Solubility Information

Solubility	DMSO: 100 mg/mL (117.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1751 mL	5.8754 mL	11.7507 mL
5 mM	0.235 mL	1.1751 mL	2.3501 mL
10 mM	0.1175 mL	0.5875 mL	1.1751 mL
50 mM	0.0235 mL	0.1175 mL	0.235 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

Hexiang Wang, et al. Degradation of bruton's tyrosine kinase (btk) by conjugation of btk inhibitors with e3 ligase ligand and methods of use. WO2021219070A1. 2021-11-04.

Wu Y, et al. Translational modelling to predict human pharmacokinetics and pharmacodynamics of a Bruton's tyrosine kinase-targeted protein degrader BGB-16673. Br J Pharmacol. 2024 Dec;181(24):4973-4987

Wang H, et al. Bgb-16673, a Selective BTK Degradator, Exhibits Deeper Inhibition of Cancer Cell Signaling Pathways and Better Efficacy in MCL Models[J]. Blood, 2024, 144: 5833.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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