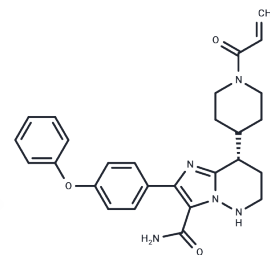


TM471-1

Chemical Properties

CAS No. : 2649008-95-5
 Formula: C₂₇H₂₉N₅O₃
 Molecular Weight: 471.55
 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	TM471-1 is an orally active, covalent Bruton's tyrosine kinase (BTK) inhibitor displaying an IC ₅₀ value of 1.3 nM for BTKWT, > 40000 nM for BTKC481S, 7.9 nM for TEC, and 12.4 nM for TXK. It inhibits cell growth both in vitro and in vivo, arrests the cell cycle at the G ₀ /G ₁ phase, and induces apoptosis.
Targets(IC ₅₀)	Apoptosis,BTK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1207 mL	10.6033 mL	21.2067 mL
5 mM	0.4241 mL	2.1207 mL	4.2413 mL
10 mM	0.2121 mL	1.0603 mL	2.1207 mL
50 mM	0.0424 mL	0.2121 mL	0.4241 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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