

TTK/PLK1-IN-1

Chemical Properties

CAS No. : 1817791-70-0

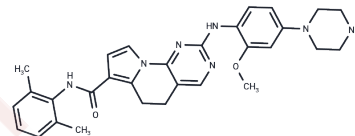
Formula: C30H33N7O2

Molecular Weight: 523.63

Store at low temperature

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	TTK/PLK1-IN-1 (Formula I) is an inhibitor of threonine tyrosine kinase (TTK) and polo-like kinase 1 (PLK1), with IC50 values of 7 nM and 72 nM, respectively. It regulates the spindle assembly checkpoint (SAC) and exhibits antitumor activity against triple-negative breast cancer (TNBC).
Targets(IC50)	Kinesin,PLK,Tyrosine Kinases

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9097 mL	9.5487 mL	19.0975 mL
5 mM	0.3819 mL	1.9097 mL	3.8195 mL
10 mM	0.191 mL	0.9549 mL	1.9097 mL
50 mM	0.0382 mL	0.191 mL	0.3819 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

Lane H, et al., Pharmaceutical combinations for use in the treatment of neoplastic diseases. WO2023167549.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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