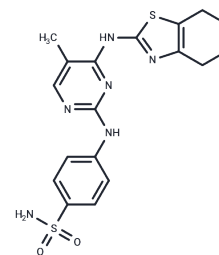


CDK2-IN-55

Chemical Properties

CAS No. : 3099101-44-4
 Formula: C₁₈H₂₀N₆O₂S₂
 Molecular Weight: 416.52
 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	CDK2-IN-55 is a potent and highly selective cyclin-dependent kinase 2 (CDK2) inhibitor (IC ₅₀ = 15 nM). It disrupts the cell cycle machinery to specifically induce G1/S phase arrest in cancer cells, showing excellent anti-clonogenic and anti-proliferative activities in various gastrointestinal tumor models.
Targets(IC ₅₀)	Cell Cycle Arrest,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4008 mL	12.0042 mL	24.0085 mL
5 mM	0.4802 mL	2.4008 mL	4.8017 mL
10 mM	0.2401 mL	1.2004 mL	2.4008 mL
50 mM	0.048 mL	0.2401 mL	0.4802 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

Chen X, et al. Discovery of Potent Small-Molecule SIRT6 Activators: Structure-Activity Relationship and Anti-Pancreatic Ductal Adenocarcinoma Activity. J Med Chem. 2020 Sep 24;63(18):10474-10495.

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