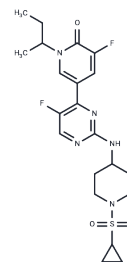


CDK2-IN-44

## Chemical Properties

CAS No. : 3051587-93-7  
 Formula: C<sub>21</sub>H<sub>27</sub>F<sub>2</sub>N<sub>5</sub>O<sub>3</sub>S  
 Molecular Weight: 467.533  
 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-44 (Compound 46) is an inhibitor of cyclin-dependent kinase 2 (CDK2). It effectively suppresses the proliferation of cancer cells by arresting the cell cycle, promoting apoptosis (Apoptosis), and inducing cellular senescence. This compound shows potential in research related to ovarian and breast cancers.
Targets(IC50)	CDK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1389 mL	10.6945 mL	21.389 mL
5 mM	0.4278 mL	2.1389 mL	4.2778 mL
10 mM	0.2139 mL	1.0695 mL	2.1389 mL
50 mM	0.0428 mL	0.2139 mL	0.4278 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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481