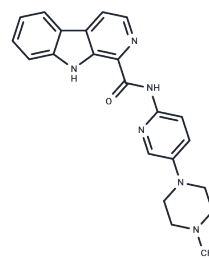


ZDLD20

## Chemical Properties

CAS No. : 2762279-02-5  
 Formula: C<sub>22</sub>H<sub>22</sub>N<sub>6</sub>O  
 Molecular Weight: 386.45  
 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	ZDLD20 is an orally active and selective CDK4 inhibitor, a $\beta$ -carboline analog with anti-HCT116 and anticancer activity that inhibits colony formation, inhibits invasion and migration, induces apoptosis, and prevents the G1 phase of the cell cycle.
Targets(IC50)	Apoptosis,CDK

## Solubility Information

Solubility	DMSO: 15 mg/mL (38.81 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	-------------------------------------------------------------------------------------------------------------------------

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5877 mL	12.9383 mL	25.8766 mL
5 mM	0.5175 mL	2.5877 mL	5.1753 mL
10 mM	0.2588 mL	1.2938 mL	2.5877 mL
50 mM	0.0518 mL	0.2588 mL	0.5175 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

Li D,et al. Facile synthesis of C1-substituted  $\beta$ -carbolines as CDK4 inhibitors for the treatment of cancer. Bioorg Chem. 2022 Apr;121:105659.

**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