

CDK-IN-18

## Chemical Properties

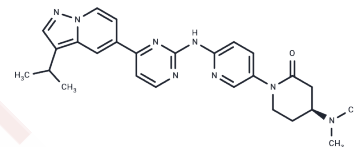
CAS No. : 2531743-46-9

Formula: C<sub>26</sub>H<sub>30</sub>N<sub>8</sub>O

Molecular Weight: 470.57

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	CDK-IN-18 (Compound EX.161) is an orally active, brain-penetrant, and selective inhibitor of CDK2, CDK4, and CDK6. It hinders the activity of cyclin-CDK complexes, preventing the phosphorylation of retinoblastoma protein (pRb), and thereby blocks the transition of cells from the G1 phase to the S phase. CDK-IN-18 shows potential for cancer research, such as in breast cancer (particularly hormone receptor-positive, HER2-negative types), lung cancer, and colorectal cancer.
Targets(IC50)	CDK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1251 mL	10.6254 mL	21.2508 mL
5 mM	0.425 mL	2.1251 mL	4.2502 mL
10 mM	0.2125 mL	1.0625 mL	2.1251 mL
50 mM	0.0425 mL	0.2125 mL	0.425 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

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