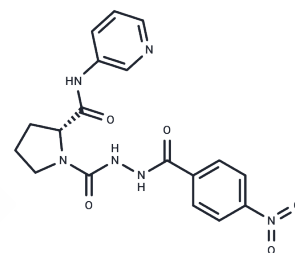


## CDK4/6-IN-8

## Chemical Properties

CAS No. : 2649120-22-7  
 Formula: C<sub>18</sub>H<sub>18</sub>N<sub>6</sub>O<sub>5</sub>  
 Molecular Weight: 398.37  
 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	CDK4/6-IN-8 (Compound 7p) is a selective inhibitor of CDK4 with an IC <sub>50</sub> of 5.01 nM and CDK6 with an IC <sub>50</sub> of 3.97 nM.
Targets(IC <sub>50</sub> )	Others,CDK
In vitro	CDK4/6-IN-8 (Compound 7p) demonstrates anti-breast cancer activity, inhibiting MCF-7 cell viability with an IC <sub>50</sub> of 2.8 μM over a 48-hour period at concentrations ranging from 0.1 to 656.1 μM [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5102 mL	12.5511 mL	25.1023 mL
5 mM	0.502 mL	2.5102 mL	5.0205 mL
10 mM	0.251 mL	1.2551 mL	2.5102 mL
50 mM	0.0502 mL	0.251 mL	0.502 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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