

CK2-IN-14

## Chemical Properties

CAS No. :

Formula: C<sub>19</sub>H<sub>20</sub>ClN<sub>5</sub>

Molecular Weight: 385.91

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	CK2-IN-14 (Compound 10b) is an inhibitor of cyclin-dependent kinase 2 $\alpha$ with an IC <sub>50</sub> of 36.7 nM. It effectively hinders the growth of cancer cell lines 786-O and U937, with GI <sub>50</sub> values of 7.3 $\mu$ M and 7.5 $\mu$ M, respectively.
Targets(IC <sub>50</sub> )	Casein Kinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5913 mL	12.9564 mL	25.9128 mL
5 mM	0.5183 mL	2.5913 mL	5.1826 mL
10 mM	0.2591 mL	1.2956 mL	2.5913 mL
50 mM	0.0518 mL	0.2591 mL	0.5183 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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