

CK2-IN-9

Chemical Properties

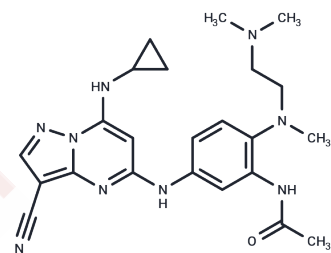
CAS No. : 1461658-58-1

Formula: C₂₃H₂₉N₉O

Molecular Weight: 447.54

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-9, a potent and selective CK2 kinase inhibitor, exhibits an inhibitory concentration (IC ₅₀) of 3 nM against its target enzyme and hampers Wnt reporter activity with an IC ₅₀ of 75 nM. In rats, it demonstrates low exposure (AUC=0.36 μM/h) and high clearance (CL=65 mL/min/kg) [1].
Targets(IC ₅₀)	Others,Casein Kinase,Wnt/beta-catenin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2344 mL	11.1722 mL	22.3444 mL
5 mM	0.4469 mL	2.2344 mL	4.4689 mL
10 mM	0.2234 mL	1.1172 mL	2.2344 mL
50 mM	0.0447 mL	0.2234 mL	0.4469 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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