

PV1162

Chemical Properties

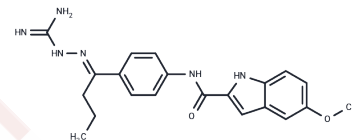
CAS No. : 1093793-11-3

Formula: C₂₁H₂₄N₆O₂

Molecular Weight: 392.45

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	PV1162 is a Chk2-specific inhibitor characterized by a potency with an IC ₅₀ value of 0.29 nM. It operates by specifically targeting the gatekeeper-dependent hydrophobic pocket behind the ATP-binding site (adenine-binding region) to inhibit ATP binding to Chk2, effectively suppressing the phosphorylation activity of Chk2. This compound has demonstrated potential for application in cancer therapy.
Targets(IC ₅₀)	Chk

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5481 mL	12.7405 mL	25.481 mL
5 mM	0.5096 mL	2.5481 mL	5.0962 mL
10 mM	0.2548 mL	1.274 mL	2.5481 mL
50 mM	0.051 mL	0.2548 mL	0.5096 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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