

PV-1019

Chemical Properties

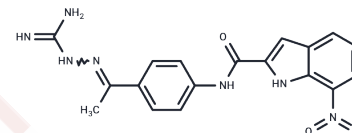
CAS No. : 1093793-05-5

Formula: C₁₈H₁₇N₇O₃

Molecular Weight: 379.37

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	PV-1019 (NSC 744039) is a potent and selective inhibitor of Chk2 with an IC ₅₀ of 24 nM, effectively inhibiting Topotecan-induced Chk2 autophosphorylation and suppressing IR-induced apoptosis [1].
Targets(IC ₅₀)	Others,Chk

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6359 mL	13.1797 mL	26.3595 mL
5 mM	0.5272 mL	2.6359 mL	5.2719 mL
10 mM	0.2636 mL	1.318 mL	2.6359 mL
50 mM	0.0527 mL	0.2636 mL	0.5272 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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