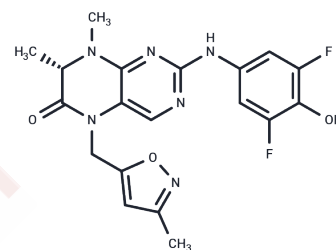


## VRK1/CK1-IN-1

## Chemical Properties

CAS No. :	3050772-20-5
Formula:	C <sub>19</sub> H <sub>18</sub> F <sub>2</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight:	416.38
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	VRK1/CK1-IN-1 (compound 36) is a dual inhibitor targeting vaccinia-related kinase 1 (VRK1) and casein kinase 1 (CK1), with a $K_i$ of 37.9 nM for VRK1. It exhibits $IC_{50}$ values of 17 nM and 15 nM for CK1 $\delta$ and $\epsilon$ isoforms, respectively.
Targets( $IC_{50}$ )	Casein Kinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4017 mL	12.0083 mL	24.0165 mL
5 mM	0.4803 mL	2.4017 mL	4.8033 mL
10 mM	0.2402 mL	1.2008 mL	2.4017 mL
50 mM	0.048 mL	0.2402 mL	0.4803 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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