

## (1E)-CFI-400437 dihydrochloride

## Chemical Properties

CAS No. : 1247000-76-5

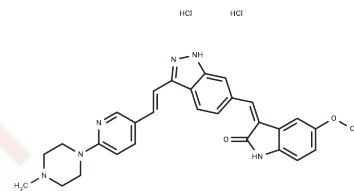
Formula: C<sub>29</sub>H<sub>30</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>2</sub>

Molecular Weight: 565.5

Store at low temperature

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	(1E)-CFI-400437 dihydrochloride (CFI-400437 dihydrochloride) is a selective and potent polo-like kinase 4 (PLK4) inhibitor.
Targets(IC50)	PLK

## Solubility Information

Solubility	DMSO: 7.14 mg/mL (12.63 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7683 mL	8.8417 mL	17.6835 mL
5 mM	0.3537 mL	1.7683 mL	3.5367 mL
10 mM	0.1768 mL	0.8842 mL	1.7683 mL
50 mM	0.0354 mL	0.1768 mL	0.3537 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.

## Reference

Suri A , Bailey A W , Tavares M T , et al. Evaluation of Protein Kinase Inhibitors with PLK4 Cross-Over Potential in a Pre-Clinical Model of Cancer[J]. International Journal of Molecular Sciences, 2019, 20(9).

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