

LY3177833

## Chemical Properties

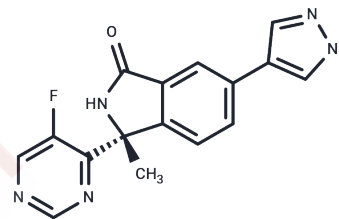
CAS No. : 1627696-51-8

Formula: C<sub>16</sub>H<sub>12</sub>FN<sub>5</sub>O

Molecular Weight: 309.3

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	LY3177833 is an Cdc7 kinase inhibitor (IC <sub>50</sub> : 3.3 nM)
Targets(IC <sub>50</sub> )	CDK
In vivo	LY-3177833 inhibits phosphorylation of MCM2-S53 in H1299 cells (IC <sub>50</sub> = 0.29 μM).? LY3177833 reduces tumor growth in an SW620 human colorectal adenocarcinoma mouse xenograft model when administered at doses of 10, 20, and 30 mg/kg twice per day

## Solubility Information

Solubility	DMSO: 30 mg/mL (96.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.47 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	3.2331 mL	16.1655 mL	32.3311 mL
5 mM	0.6466 mL	3.2331 mL	6.4662 mL
10 mM	0.3233 mL	1.6166 mL	3.2331 mL
50 mM	0.0647 mL	0.3233 mL	0.6466 mL

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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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481