Data Sheet (Cat.No.T22957)

TargetMol
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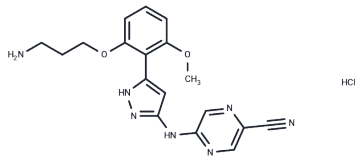
LY2606368 HCl (1234015-52-1 free base)

Chemical Properties



CAS No. :

Formula: C18H20ClN7O2

Molecular Weight: 401.85

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	LY2606368 HCl is a selective ATP competitive inhibitor of checkpoint kinase 1 (IC50: 1.5nM in SW1990 cells).
Targets(IC50)	Others
In vitro	LY2606368 HCl is an ATP-competitive inhibitor of CHK1 and is undergoing clinical trials currently. It inhibits the auto-phosphorylation of CHK1 and induces the phosphorylation of H2AX in cancer cells. In the pancreatic cell line SW1990, LY2606368 HCl significantly inhibits cell proliferation (IC50: 1.5nM). LY2606368 HCl also exerts potent anti-tumor activity in the SW1990 xenograft model. Besides that, in the orthotopic SKVO3 model, the treatment of LY2606368 HCl is found to inhibit tumor growth and reduce the incidence of metastases and accumulation. However, LY2606368 HCl is only administered intravenously due to its poor oral bioavailability [1][2][3].

Solubility Information

Solubility	DMSO: > 6.63 mg/mL,Heating is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4885 mL	12.4425 mL	24.8849 mL
5 mM	0.4977 mL	2.4885 mL	4.977 mL
10 mM	0.2488 mL	1.2442 mL	2.4885 mL
50 mM	0.0498 mL	0.2488 mL	0.4977 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.

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