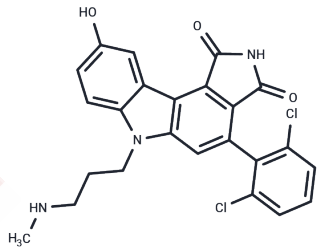
Data Sheet (Cat.No.T68981)

TargetMol

PD-321852

Chemical Properties



CAS No. : 622856-21-7

Formula: C24H19Cl2N3O3

Molecular Weight: 468.33

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	PD-321852 is a small-molecule Chk1 inhibitor, which potentiates gemcitabine-induced clonogenic death in a panel of pancreatic cancer cell lines and evaluated the relationship between endpoints associated with Chk1 inhibition and chemosensitization. Gemcitabine chemosensitization by minimally toxic concentrations of PD-321852 ranged from minimal (3-fold change in survival) in Panc1 cells to >30-fold in MiaPaCa2 cells. PD-321852 inhibited Chk1 in all cell lines as evidenced by stabilization of Cdc25A; in combination with gemcitabine, a synergistic loss of Chk1 protein was observed in the more sensitized cell lines.
Targets(IC50)	Others,Chk

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1352 mL	10.6762 mL	21.3525 mL
5 mM	0.427 mL	2.1352 mL	4.2705 mL
10 mM	0.2135 mL	1.0676 mL	2.1352 mL
50 mM	0.0427 mL	0.2135 mL	0.427 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.

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