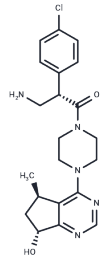
Data Sheet (Cat.No.T18053)

TargetMol

Ipatasertib-NH2

Chemical Properties



CAS No. : 1001382-14-4

Formula: C21H26ClN5O2

Molecular Weight: 415.92

Storage: Keep away from direct sunlight
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	Ipatasertib-NH2 (GDC-0068-NH2;RG7440-NH2) is a ligand for the target protein AKT used in PROTAC, binding to lenalidomide, a ligand of ubiquitin E3 ligase cereblon (CRBN), via a ten-hydrocarbon linker to form INY-03-041 for AKT degradation[1].
Targets(IC50)	Others,Ligands for Target Protein for PROTAC
In vitro	PROTACs, composed of two ligands connected by a linker—one binding to an E3 ubiquitin ligase and the other to the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4043 mL	12.0215 mL	24.0431 mL
5 mM	0.4809 mL	2.4043 mL	4.8086 mL
10 mM	0.2404 mL	1.2022 mL	2.4043 mL
50 mM	0.0481 mL	0.2404 mL	0.4809 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

You I, et al. Discovery of an AKT Degrader with Prolonged Inhibition of Downstream Signaling. Cell Chem Biol. 2020 Jan 16;27(1):66-73.e7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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