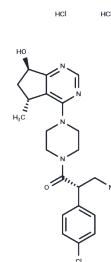


## Ipatasertib-NH2 dihydrochloride

### Chemical Properties

CAS No. :	1001264-73-8
Formula:	C <sub>21</sub> H <sub>28</sub> Cl <sub>3</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	488.84
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



### Biological Description

Description	Ipatasertib-NH2 dihydrochloride is a ligand for the target protein AKT in PROTAC [INY-03-041], comprising Ipatasertib-NH2, a ten-hydrocarbon linker, and the CRBN ligand Lenalidomide, which functions as an E3 ubiquitin ligase.
Targets(IC50)	Others,Ligands for Target Protein for PROTAC
In vitro	PROTACs consist of two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase and the other targets the protein of interest. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0457 mL	10.2283 mL	20.4566 mL
5 mM	0.4091 mL	2.0457 mL	4.0913 mL
10 mM	0.2046 mL	1.0228 mL	2.0457 mL
50 mM	0.0409 mL	0.2046 mL	0.4091 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 Degradar with Prolonged Inhibition of Downstream Signaling. Cell Chem Biol. 2020 Jan 16;27(1):66-73.e7.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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