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## Product Data Sheet

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Product Name: Ipatasertib-NH2

Cat. No.: GC63283

### Chemical Properties

Cas. No. 1001382-14-4

Formula  $C_{21}H_{26}ClN_5O_2$

M.Wt 415.92

Solubility DMSO : 210 mg/mL (504.90 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Ipatasertib-NH2 (GDC-0068-NH2;RG7440-NH2) is a ligand for target protein AKT for PROTAC (INY-03-041). INY-03-041 is composed of Ipatasertib-NH2, a ten-hydrocarbon linker, and a CRBN ligand Lenalidomide for E3 ubiquitin ligase[1].

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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