

## Ipatasertib, Pan-Akt inhibitor

Catalog	Unit
TBI4751-5MG	5 mg
TBI4751-25MG	25 mg

### Product Details

**Formal Name:** (2S)-2-(4-Chlorophenyl)-1-[4-[(5R,7R)-7-hydroxy-5-methyl-6,7-dihydro-5H-cyclopenta[d]pyrimidin-4-yl]piperazin-1-yl]-3-(propan-2-yla,ino)propan-1-one

**Alternate Names:** GDC-0068; RG7440

**Molecular Formula:** C<sub>24</sub>H<sub>32</sub>ClN<sub>5</sub>O<sub>4</sub>

**Formula Weight:** 458.00

**CAS Number:** 1001264-89-6

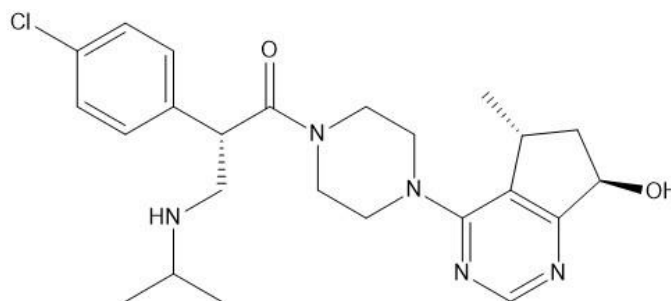
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml) or ethanol (up to 20 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Pan-Akt inhibitor

### Functions

Ipatasertib is a selective (against a panel of 230 kinases) and potent pan-Akt inhibitor (IC<sub>50</sub>s: Akt1 = 5 nM, Akt2 = 18 nM, Akt3 = 8 nM).<sup>1</sup> It displayed efficacy in xenograft models of prostate, breast, ovarian, colorectal, non-small cell lung, glioblastoma, and melanoma cancers.<sup>2</sup> In clinical trials.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

**For research use only.**