

Mps1-IN-2

Catalog No: tcsc2027



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1228817-38-6

Formula:

$C_{26}H_{36}N_6O_3$

Pathway:

Cell Cycle/DNA Damage;Cell Cycle/DNA Damage;Cytoskeleton

Target:

Polo-like Kinase (PLK);Mps1;Mps1

Purity / Grade:

>98%

Solubility:

DMSO : 14.3 mg/mL (29.75 mM; Need ultrasonic and warming)

Observed Molecular Weight:

480.6

Product Description

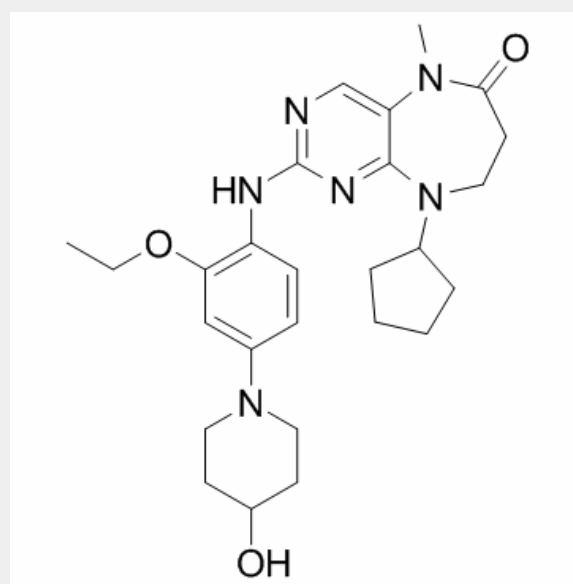
Mps1-IN-2 is a potent, selective and ATP-competitive dual **Mps1/Plk1** inhibitor, with an **IC₅₀** and a **K_d** of 145 nM and 12 nM for Mps1

and a K_d of 61 nM for Plk1.

IC50 & Target: IC50: 145 nM (Mps1)^[1]

Kd: 12 nM (Mps1)^[1]

In Vitro: Mps1-IN-2 is a potent, selective and ATP-competitive Mps1 kinase inhibitor, with an IC_{50} and a K_d of 145 nM and 12 nM. Mps1-IN-2 also shows high affinity for PLK1 and GAK with K_d s of 61 and 140 nM, respectively, but shows little or no inhibition on other 352 member kinases. Mps1-IN-2 can induces bypass of a checkpoint-mediated mitotic arrest in U2OS cells^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!