

# Mps1-IN-3

Catalog No: tcsc3412



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

1609584-72-6

**Formula:**

$C_{26}H_{31}N_7O_4S$

**Pathway:**

Cell Cycle/DNA Damage;Cytoskeleton

**Target:**

Mps1;Mps1

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

537.63

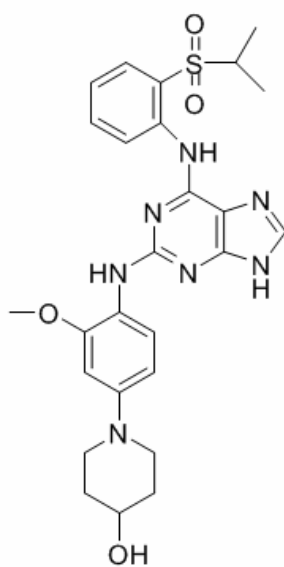
## Product Description

Mps1-IN-3 is a potent and selective **MPS1** kinase inhibitor, with an **IC<sub>50</sub>** of 50 nM.

IC50 & Target: IC50: 50 nM (MPS1)<sup>[1]</sup>

**In Vitro:** Mps1-IN-3 is a potent MPS1 kinase inhibitor, with an IC<sub>50</sub> of 50 nM. Mps1-IN-3 inhibits the proliferation of U251 glioblastoma cells with an IC<sub>50</sub> of appr 5 μM. Mps1-IN-3 (2 μM) can completely abrogates checkpoint. Furthermore, Mps1-IN-3 (5 μM) sensitizes all glioblastoma cells (U251, U87, VU147 and GBM8) to 3 nM of vincristine<sup>[1]</sup>.

**In Vivo:** Mps1-IN-3 (2 mg/kg, i.v.) sensitizes glioblastoma cells to vincristine in murine tumor models, with prolonged survival and no toxicity<sup>[1]</sup>.



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