

Data Sheet

WWW.PROBECHEM.COM

Global Supplier of Chemical Probes, Inhibitors & Agonists.

 Product Name
 :
 Mps1-IN-3

 Cat. No.
 :
 PC-43017

 CAS No.
 :
 1609584-72-6

 Molecular Formula
 :
 C₂₆H₃₁N₇O₄S

 Molecular Weight
 :
 537.6339

Target : Monopolar Spindle 1 (Mps1/TTK)

Solubility : 10 mM in DMSO

Biological Activity

Mps1-IN-3 is a selective and highly potent Mps1 kinase inhibitor with IC50 of 50 nM.

Mps1-IN-3 causes mitotic aberrancies in glioblastoma cells and, in combination with vincristine, induces mitotic checkpoint override, increases aneuploidy and augmentes cell death.

Mps1-IN-3 sensitizes glioblastoma cells to vincristine in orthotopic mouse models, resulting in prolonged survival without toxicity.

References

Tannous BA, et al. *J Natl Cancer Inst.* 2013 Sep 4;105(17):1322-31.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com