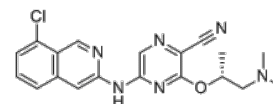


Product Name : SAR-020106
Cat. No. : PC-63043
CAS No. : 1184843-57-9
Molecular Formula : C₁₉H₁₉ClN₆O
Molecular Weight : 382.852
Target : Checkpoint Kinase (Chk)
Solubility : 10 mM in DMSO



Biological Activity

SAR-020106 (SAR-20106) is a potent and selective **CHK1** inhibitor with IC₅₀ of 13 nM, with high selectivity over CHK2 (IC₅₀>100 μM).

SAR-020106 inhibits HT29 cells with IC₅₀ of 0.53 μM in SRB cytotoxicity assay.

SAR-020106 inhibits cytotoxic drug-induced autophosphorylation of CHK1 at S296 and blocks the phosphorylation of CDK1 at Y15 in a dose-dependent fashion both in vitro and in vivo.

References

Reader JC, et al. *J Med Chem*. 2011 Dec 22;54(24):8328-42.

Walton MI, et al. *Mol Cancer Ther*. 2010 Jan;9(1):89-100.

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

E-mail: tech@probechem.com