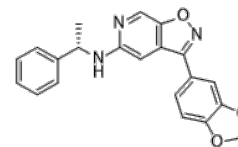


Product Name : TC-S 7005
Cat. No. : PC-23368
CAS No. : 1082739-92-1
Molecular Formula : C₂₁H₁₇N₃O₃
Molecular Weight : 359.39
Target : Polo-like Kinase (PLK)
Solubility : 10 mM in DMSO



CAS: 1082739-92-1

Biological Activity

TC-S 7005 is a potent, selective polo-like kinase 2 (PLK2) inhibitor with IC₅₀ of 4 nM, 24 nM and 214 nM for PLK2, PLK3, and PLK1, respectively.

TC-S 7005 is selective for Plk2, 6-fold selectivity against Plk3 and 50-fold selectivity against Plk1.

TC-S 7005 decreases cell proliferation and migration inhibiting mutant p53 phosphorylation.

TC-S 7005 sensitize mutant p53-expressing tumor cells to anticancer treatments.

References

Hanan EJ, et al. *Bioorg Med Chem Lett*. 2008 Oct 1;18(19):5186-9.

Fabio Valenti, et al. *J Mol Med (Berl)*. 2024 Oct 31. doi: 10.1007/s00109-024-02499-5.

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

E-mail: tech@probechem.com