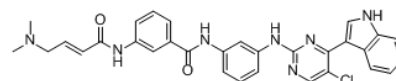


Product Name : THZ2
Cat. No. : PC-42944
CAS No. : 1604810-84-5
Molecular Formula : C₃₁H₂₈ClN₇O₂
Molecular Weight : 566.0527
Target : Cyclin-dependent Kinase (CDK)
Solubility : DMSO: ≥ 39 mg/mL



Biological Activity

THZ2, an analogue of THZ1 with improved pharmacokinetic features, is a potent, selective **CDK7** inhibitor with IC₅₀ of 13.9 nM, displays a 5-fold improved half-life in vivo compared with THZ1.

THZ2 selectively targets CDK7 and potently inhibits the growth of triple-negative but not ER/PR+ breast cancer cells, efficiently suppresses the clonogenic growth of TNBC cells with IC₅₀ of 10 nM.

Like THZ1, THZ2 induces apoptotic cell death in triple-negative but not ER/PR+ breast cancer cells or normal human cells. THZ2 suppresses the growth of triple-negative breast tumors in xenograft models.

References

Wang Y, et al. **Cell**. 2015 Sep 24;163(1):174-86.

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

E-mail: tech@probechem.com