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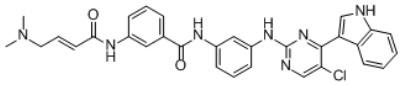
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	THZ2
Cat. No.	:	PC-42944
CAS No.	:	1604810-84-5
Molecular Formula	:	$C_{31}H_{28}ClN_7O_2$
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!

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