



Product Information

CDK inhibitor THZ1, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ761

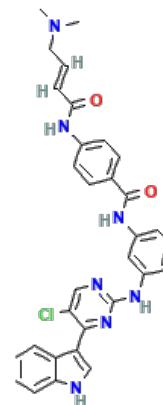
Size: 5 mg; 10 mg; 25 mg

CAS Number: 1604810-83-4

Compound CID: 73602827

Synonym: 1604810-83-4; THZ-1; THZ 1; CDK inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	THZ1, soluble in DMSO and insoluble in ethanol and water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK7.
Molecular Weight	566.05
Molecular Formula	C ₃₁ H ₂₈ ClN ₇ O ₂
Targets	CDK7: 3.2 nM
IUPAC Name	<i>N</i> -[3-[[5-chloro-4-(1 <i>H</i> -indol-3-yl)pyrimidin-2-yl]amino]phenyl]-4-[[<i>E</i>]-4-(dimethylamino)but-2-enoyl]amino]benzamide
InChI	InChI=1S/C31H28ClN7O2/c1-39(2)16-6-11-28(40)35-21-14-12-20(13-15-21)30(41)36-22-7-5-8-23(17-22)37-31-34-19-26(32)29(38-31)25-18-33-27-10-4-3-9-24(25)27/h3-15,17-19,33H,16H2,1-2H3,(H,35,40)(H,36,41)(H,34,37,38)/b11-6+
InChI Key	OBJNFLYHUXWUPF-IZZDOVSWSA-N
Canonical SMILES	CN(C)CC=CC(=O)NC1=CC=C(C(=C1)C(=O)NC2=CC=CC(=C2)NC3=NC=C(C(=N3)C4=CNC5=CC=CC=C54)Cl
Isomeric SMILES	CN(C)C/C=C/C(=O)NC1=CC=C(C(=C1)C(=O)NC2=CC=CC(=C2)NC3=NC=C(C(=N3)C4=CNC5=CC=CC=C54)Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 96 mg/mL (150.24 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.



Applications

THZ1 can be used to study the inhibition of CDK7 and its effects on transcription and cancer cell viability.

Storage

Store at -20°C.
