

Product Information

CDK inhibitor IIIM-290, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ800

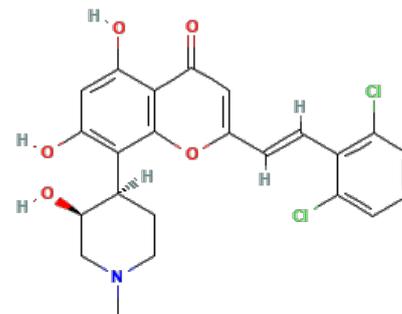
Size: 1 mg; 5 mg; 10 mg

CAS Number: 2213468-64-3

Compound CID: 137628639

Synonym: 2213468-64-3; IIIM 290; IIIM 290; CDK inhibitor

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



Product Information

Description	IIIM-290 is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK2/A and CDK9/T1.
Molecular Weight	462.32
Molecular Formula	C ₂₃ H ₂₁ Cl ₂ NO ₅
Targets	CDK2/A: 90 nM; CDK9/T1: 94 nM
IUPAC Name	2-[(E)-2-(2,6-dichlorophenyl)ethenyl]-5,7-dihydroxy-8-[(3S,4R)-3-hydroxy-1-methylpiperidin-4-yl]chromen-4-one
InChI	InChI=1S/C23H21Cl2NO5/c1-26-8-7-14(20(30)11-26)21-18(28)10-19(29)22-17(27)9-12(31-23(21)22)5-6-13-15(24)3-2-4-16(13)25/h2-6,9-10,14,20,28-30H,7-8,11H2,1H3/b6-5+/t14-,20+/m0/s1
InChI Key	NFTJDXGFOUFNKG-UGBNQVSOSA-N
Canonical SMILES	CN1CCC(C(C1)O)C2=C(C=C(C3=C2OC(=CC3=O)C=CC4=C(C=CC=C4Cl)Cl)O)O
Isomeric SMILES	CN1CC[C@@H]([C@@H](C1)O)C2=C(C=C(C3=C2OC(=CC3=O)/C=C/C4=C(C=CC=C4Cl)Cl)O)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	IIIM-290 can be used to explore its inhibition of CDK7 and potential impact on cancer and transcription regulation.



Storage

Store at -20°C.
