



Product Information

CDK inhibitor FMF-04-159-2, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ798

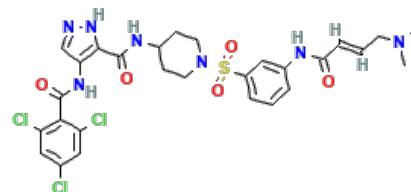
Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 2364489-81-4

Compound CID: 138454780

Synonym: 2364489-81-4; FMF-04-159-2; FMF041592; FMF 04 159 2; CDK inhibitor

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



Product Information

Description	FMF-04-159-2 is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK14/Cyclin Y and CDK2.
Molecular Weight	683
Molecular Formula	C ₂₈ H ₃₀ Cl ₃ N ₇ O ₅ S
Targets	CDK14/Cyclin Y: 39.6 nM (IC ₅₀ , in NanoBRET assay); CDK2: 256 nM (In NanoBRET assay)
IUPAC Name	<i>N</i> -[1-[3-[(<i>E</i>)-4-(dimethylamino)but-2-enoyl]amino]phenyl]sulfonylpiperidin-4-yl]-4-[(2,4,6-trichlorobenzoyl)amino]-1 <i>H</i> -pyrazole-5-carboxamide
InChI	InChI=1S/C28H30Cl3N7O5S/c1-37(2)10-4-7-24(39)33-19-5-3-6-20(15-19)44(42,43)38-11-8-18(9-12-38)34-28(41)26-23(16-32-36-26)35-27(40)25-21(30)13-17(29)14-22(25)31/h3-7,13-16,18H,8-12H2,1-2H3,(H,32,36)(H,33,39)(H,34,41)(H,35,40)/b7-4+
InChI Key	HZPYSAHDRSBARR-QPJJBHSA-N
Canonical SMILES	CN(C)CC=CC(=O)NC1=CC(=CC=C1)S(=O)(=O)N2CCC(CC2)NC(=O)C3=C(C=NN3)NC(=O)C4=C(C=C(C=C4Cl)Cl)Cl
Isomeric SMILES	CN(C)C/C=C/C(=O)NC1=CC(=CC=C1)S(=O)(=O)N2CCC(CC2)NC(=O)C3=C(C=NN3)NC(=O)C4=C(C=C(C=C4Cl)Cl)Cl
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	FMF-04-159-2 can be used to study its inhibition of CDK7 and potential therapeutic applications in cancer treatment.
Storage	Store at -20°C.
