



Product Information

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

Cat. No.: X24-05-ZQ765

Size: 5 mg; 10 mg; 25 mg

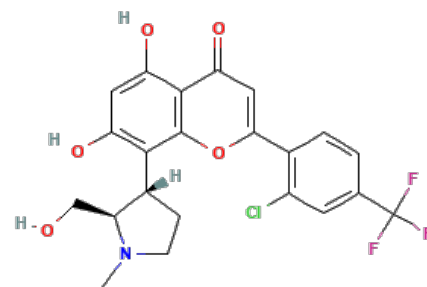
CAS Number: 1000023-04-0

Compound CID: 67409219

Synonym: 1000023-04-0; Voruciclib; Voruciclib [INN]; P1446A-05; W66XP666AM;

CDK inhibitor

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



Product Information

Description	Voruciclib is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK1/cyc A, CDK1/cycB, CDK4/Cyc D1, and CDK6/cycD1.
Molecular Weight	469.84
Molecular Formula	C ₂₂ H ₁₉ ClF ₃ NO ₅
Targets	CDK1/cyc A: 9.1 nM (Ki); CDK1/cycB: 5.4 nM (Ki); CDK4/Cyc D1: 3.96 nM (Ki); CDK6/cycD1: 2.92 nM (Ki)
IUPAC Name	2-[2-Chloro-4-(trifluoromethyl)phenyl]-5,7-dihydroxy-8-[(2R,3S)-2-(hydroxymethyl)-1-methylpyrrolidin-3-yl]chromen-4-one
InChI	InChI=1S/C22H19ClF3NO5/c1-27-5-4-12(14(27)9-28)19-15(29)7-16(30)20-17(31)8-18(32-21(19)20)11-3-2-10(6-13(11)23)22(24,25)26/h2-3,6-8,12,14,28-30H,4-5,9H2,1H3/t12-,14+/m1/s1
InChI Key	MRPGRAKIAJJGMM-OCCSQVGLSA-N
Canonical SMILES	CN1CCC(C1CO)C2=C(C=C(C3=C2OC(=CC3=O)C4=C(C=C(C=C4)C(F)(F)F)Cl)O)O
Isomeric SMILES	CN1CC[C@H]([C@@H]1CO)C2=C(C=C(C3=C2OC(=CC3=O)C4=C(C=C(C=C4)C(F)(F)F)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	Voruciclib can be employed to investigate the inhibition of CDK9 and its potential as a cancer therapeutic.



Storage

Store at -20°C.
