



Product Information

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

Cat. No.: X24-05-ZQ819

Size: 5 mg; 10 mg; 50 mg; 100 mg

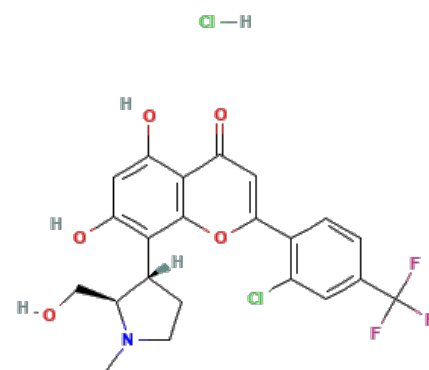
CAS Number: 1000023-05-1

Compound CID: 67409218

Synonym: 1000023-05-1; Voruciclib hydrochloride; Voruciclib (hydrochloride);

UNII-8BEP29W01U; 8BEP29W01U; CDK inhibitor

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



Product Information

Description	Voruciclib hydrochloride 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	506.3
Molecular Formula	C ₂₂ H ₂₀ Cl ₂ F 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;hydrochloride
InChI	InChI=1S/C22H19ClF3NO5.ClH/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;1H/t12-,14+;/m1./s1
InChI Key	QCWRANLELLMJSH-OJMBIDBESA-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.Cl
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.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	Voruciclib hydrochloride is used to investigate the inhibition of CDK9 and its effects on transcription regulation in cancer cells.



Storage

Store at -20°C.
