

Product Information

CDK inhibitor K03861, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ777

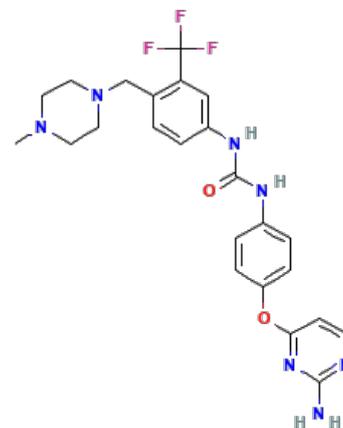
Size: 5 mg; 10 mg; 25 mg

CAS Number: 853299-07-7

Compound CID: 11260561

Synonym: 853299-07-7; K 03861; K-03861; CDK inhibitor

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



Product Information

Description	K03861, soluble in DMSO and ethanol and insoluble in water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK2(A144C), CDK2(C118L), CDK2(C118L/A144C), and CDK2(WT).
Molecular Weight	501.5
Molecular Formula	C ₂₄ H ₂₆ F ₃ N ₇ O ₂
Targets	CDK2(A144C): 15.4 nM (Kd); CDK2(C118L): 18.6 nM (Kd); CDK2(C118L/A144C): 9.7 nM (Kd); CDK2(WT): 50 nM(Kd)
IUPAC Name	1-[4-(2-Aminopyrimidin-4-yl)oxyphenyl]-3-[4-[(4-methylpiperazin-1-yl)methyl]-3-(trifluoromethyl)phenyl]urea
InChI	InChI=1S/C24H26F3N7O2/c1-33-10-12-34(13-11-33)15-16-2-3-18(14-20(16)24(25,26)27)31-23(35)30-17-4-6-19(7-5-17)36-21-8-9-29-22(28)32-21/h2-9,14H,10-13,15H2,1H3,(H2,28,29,32)(H2,30,31,35)
InChI Key	PWDLXPJQFNVTNL-UHFFFAOYSA-N
Canonical SMILES	CN1CCN(CC1)CC2=C(C=C(C=C2)NC(=O)NC3=CC=C(C=C3)OC4=NC(=NC=C4)N)C(F)(F)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 97 mg/mL (193.42 mM); Water: Insoluble; Ethanol: 15 mg/mL (29.91 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	K03861 can be used to study the inhibition of CDKs and its potential therapeutic applications in



cancer research.

Storage

Store at -20°C.
