



Product Information

CDK inhibitor CDK-IN-2, Purity ≥98%

Cat. No.: X24-05-ZQ738

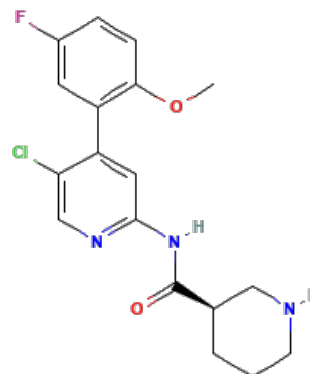
Size: 2 mg; 5 mg; 10 mg; 50 mg

CAS Number: 1269815-17-9

Compound CID: 50991505

Synonym: 1269815-17-9; CDK inhibitor II; CDK inhibitor

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



Product Information

Description	CDK-IN-2 is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK9/cyclinT1.
Molecular Weight	363.81
Molecular Formula	C ₁₈ H ₁₉ ClFN ₃ O ₂
Targets	CDK9/cyclinT1: 8 nM
IUPAC Name	(3 <i>R</i>)- <i>N</i> -[5-chloro-4-(5-fluoro-2-methoxyphenyl)pyridin-2-yl]piperidine-3-carboxamide
InChI	InChI=1S/C18H19ClFN3O2/c1-25-16-5-4-12(20)7-14(16)13-8-17(22-10-15(13)19)23-18(24)11-3-2-6-21-9-11/h4-5,7-8,10-11,21H,2-3,6,9H2,1H3,(H,22,23,24)/t11-m/s1
InChI Key	AHMKHNVZGOQLRQ-LLVKDONJSA-N
Canonical SMILES	<chem>COC1=C(C=C(C=C1)F)C2=CC(=NC=C2Cl)NC(=O)C3CCCNC3</chem>
Isomeric SMILES	<chem>COC1=C(C=C(C=C1)F)C2=CC(=NC=C2Cl)NC(=O)[C@@H]3CCCNC3</chem>
Form	Lyophilized powder
Purity	≥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	CDK-IN-2 can be used to study the inhibition of Cyclin-Dependent Kinases (CDKs) involved in cell cycle regulation.
Storage	Store at -20°C.