

Product Information

CDK inhibitor BAY-1251152, Purity \geq 98%

Cat. No.: X24-05-ZQ785

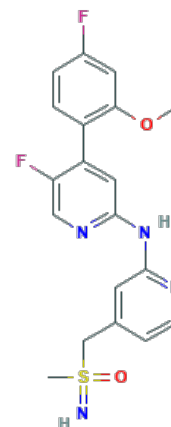
Size: 2 mg; 5 mg; 10 mg; 50 mg

CAS Number: 1610358-56-9

Compound CID: 74767009

Synonym: 1610358-56-9; BAY 1251152; BAY1251152; CDK inhibitor

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



Product Information

Description	BAY-1251152, soluble in DMSO and insoluble in ethanol and water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK9/CycT1.
Molecular Weight	404.43
Molecular Formula	C ₁₉ H ₁₈ F ₂ N ₄ O ₂ S
Targets	CDK9/CycT1: 3 nM
IUPAC Name	5-Fluoro-4-(4-fluoro-2-methoxyphenyl)-N-[4-[(methylsulfonyl)methyl]pyridin-2-yl]pyridin-2-amine
InChI	InChI=1S/C19H18F2N4O2S/c1-27-17-8-13(20)3-4-14(17)15-9-19(24-10-16(15)21)25-18-7-12(5-6-23-18)11-28(2,22)26/h3-10,22H,11H2,1-2H3,(H,23,24,25)
InChI Key	YZCUMZWULWOUMD-UHFFFAOYSA-N
Canonical SMILES	COC1=C(C=CC(=C1)F)C2=CC(=NC=C2F)NC3=NC=CC(=C3)CS(=N)(=O)C
Form	Lyophilized powder
Purity	\geq 98%
Solubility	DMSO: 71 mg/mL (175.55 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	BAY-1251152 can be used to explore the effects of inhibiting CDK9 in the treatment of cancer and related diseases.
Storage	Store at -20°C.