

Product Information

CDK inhibitor CDK8/19-IN-1, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ809

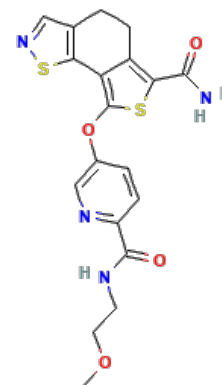
Size: 1 mg; 5 mg; 10 mg

CAS Number: 1818427-07-4

Compound CID: 126511854

Synonym: 1818427-07-4; CDK8/19-IN-1; ChEMBL4066819; 8-[6-(2-methoxyethylcarbamoyl)pyridin-3-yl]oxy-4,5-dihydrothieno[3,4-g][1,2]benzothiazole-6-carboxamide; SCHEMBL18429097; CDK inhibitor

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



Product Information

Description	CDK8/19-IN-1 is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK19/CycC, CDK8/CycC, and CDK9.
Molecular Weight	430.5
Molecular Formula	C ₁₉ H ₁₈ N ₄ O ₄ S ₂
Targets	CDK19/CycC: 0.99 nM; CDK8/CycC: 0.46 nM; CDK9: 270 nM
IUPAC Name	8-[6-(2-Methoxyethylcarbamoyl)pyridin-3-yl]oxy-4,5-dihydrothieno[3,4-g][1,2]benzothiazole-6-carboxamide
InChI	InChI=1S/C19H18N4O4S2/c1-26-7-6-21-18(25)13-5-3-11(9-22-13)27-19-14-12(16(28-19)17(20)24)4-2-10-8-23-29-15(10)14/h3,5,8-9H,2,4,6-7H2,1H3,(H2,20,24)(H,21,25)
InChI Key	NENJFZKQHYXRDQ-UHFFFAOYSA-N
Canonical SMILES	COCCNC(=O)C1=NC=C(C=C1)OC2=C3C(=C(S2)C(=O)N)CCC4=C3SN=C4
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	CDK8/19-IN-1 can be used to investigate the dual inhibition of CDK8 and CDK19 and their role in transcriptional regulation in cancer.
Storage	Store at -20°C.