



Product Information

CDK inhibitor CHK1-IN-3, Purity ≥98%

Cat. No.: X24-05-ZQ716

Size: 5 mg; 10 mg; 50 mg

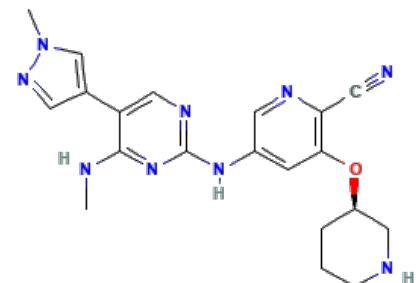
CAS Number: 2097252-39-4

Compound CID: 138454800

Synonym: 2097252-39-4; CHK1-IN-3; CHEMBL4448921; BDBM50524314;

AKOS040732805; HY-128601; CDK inhibitor

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



Product Information

Description	CHK1-IN-3 is an CDK kinase inhibitor that disrupts cell division processes. It targets Chk1.
Molecular Weight	405.46
Molecular Formula	C ₂₀ H ₂₃ N ₉ O
Targets	Chk1: 0.4 nM
IUPAC Name	5-[[4-(Methylamino)-5-(1-methylpyrazol-4-yl)pyrimidin-2-yl]amino]-3-[(3R)-piperidin-3-yl]oxypyridine-2-carbonitrile
InChI	InChI=1S/C20H23N9O/c1-22-19-16(13-8-26-29(2)12-13)11-25-20(28-19)27-14-6-18(17(7-21)24-9-14)30-15-4-3-5-23-10-15/h6,8-9,11-12,15,23H,3-5,10H2,1-2H3,(H2,22,25,27,28)/t15-/m1/s1
InChI Key	SLCNIAWQMCAFR-OAHLLOKOSA-N
Canonical SMILES	CNC1=NC(=NC=C1C2=CN(N=C2)C)NC3=CC(=C(N=C3)C#N)OC4CCCNC4
Isomeric SMILES	CNC1=NC(=NC=C1C2=CN(N=C2)C)NC3=CC(=C(N=C3)C#N)O[C@H]4CCCNC4
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	CHK1-IN-3 is employed in research to study its inhibitory effects on CHK1 and its implications for cancer therapy.
Storage	Store at -20°C.