CD BioGlyco
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Product Information

CDK inhibitor CHK1-IN-2, Purity ≥98%

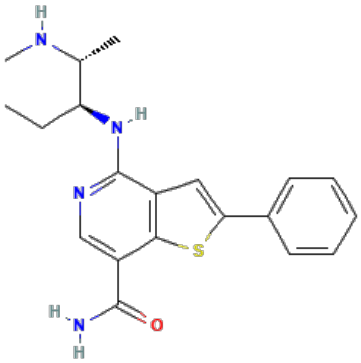
Cat. No.: X24-05-ZQ704

Size: 1 mg; 5 mg; 10 mg

CAS Number: 912367-45-4

Compound CID: 11951901

Synonym: 912367-45-4; CHK1-IN-2; CHEMBL4059912; 4-[[(2*R*,3*S*)-2-methylpiperidin-3-yl]amino]-2-phenylthieno[3,2-c]pyridine-7-carboxamide; CDK inhibitor



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

Product Information

Description	CHK1-IN-2 is an CDK kinase inhibitor that disrupts cell division processes. It targets Chk1.
Molecular Weight	366.48
Molecular Formula	$C_{20}H_{22}N_4OS$
Targets	Chk1: 6 nM
IUPAC Name	4-[[(2*R*,3*S*)-2-methylpiperidin-3-yl]amino]-2-phenylthieno[3,2-c]pyridine-7-carboxamide
InChI	InChI=1S/C20H22N4OS/c1-12-16(8-5-9-22-12)24-20-14-10-17(13-6-3-2-4-7-13)26-18(14)15(11-23-20)19(21)25/h2-4,6-7,10-12,16,22H,5,8-9H2,1H3,(H2,21,25)(H,23,24)/t12-,16+/m1/s1
InChI Key	LMQOZGSVTQQPFU-WBMJQRKESA-N
Canonical SMILES	CC1C(CCCN1)NC2=NC=C(C3=C2C=C(S3)C4=CC=CC=C4)C(=O)N
Isomeric SMILES	C[C@@H]1[C@H](CCCN1)NC2=NC=C(C3=C2C=C(S3)C4=CC=CC=C4)C(=O)N
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-2 is used for research on its selective inhibition of CHK1 and its impact on cell cycle arrest and apoptosis in cancer cells.
Storage	Store at -20ºC.

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