



Product Information

CDK inhibitor Trilaciclib, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ787

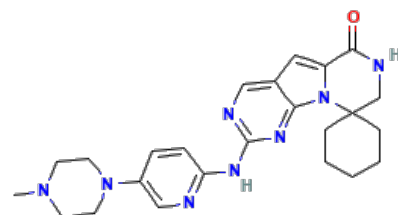
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1374743-00-6

Compound CID: 68029831

Synonym: 1374743-00-6; G1T28; G1T-28; G1T 28; CDK inhibitor

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



Product Information

Description	Trilaciclib, soluble in DMSO and insoluble in ethanol and water, is an CDK kinase inhibitor that disrupts cell division processes.
Molecular Weight	446.56
Molecular Formula	C ₂₄ H ₃₀ N ₈ O
IUPAC Name	4-[[[5-(4-Methylpiperazin-1-yl)pyridin-2-yl]amino]spiro[1,3,5,11-tetrazatricyclo[7.4.0.0 ^{2,7}]trideca-2,4,6,8-tetraene-13,1'-cyclohexane]-10-one
InChI	InChI=1S/C24H30N8O/c1-30-9-11-31(12-10-30)18-5-6-20(25-15-18)28-23-26-14-17-13-19-22(33)27-16-24(7-3-2-4-8-24)32(19)21(17)29-23/h5-6,13-15H,2-4,7-12,16H2,1H3,(H,27,33)(H,25,26,28,29)
InChI Key	PDGKHKMBHVFCMG-UHFFFAOYSA-N
Canonical SMILES	CN1CCN(CC1)C2=CN=C(C=C2)NC3=NC=C4C=C5C(=O)NCC6(N5C4=N3)CCCCC6
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: Insoluble; 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	Trilaciclib can be used to investigate its role as a CDK4/6 inhibitor that may protect bone marrow and immune system during chemotherapy.
Storage	Store at -20°C.