CD BioGlyco

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Product Information

CDK inhibitor Lerociclib dihydrochloride, Purity ≥98%

Cat. No.: X24-05-ZQ826

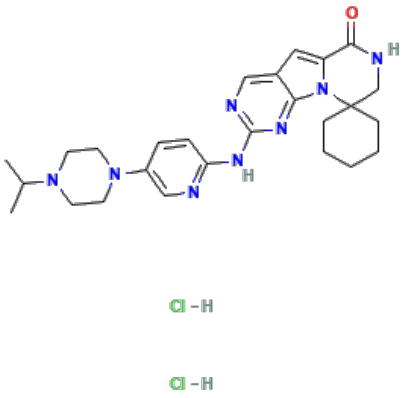
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 2097938-59-3

Compound CID: 129896913

Synonym: 2097938-59-3; G1T38 dihydrochloride; G1T 38; G1T-38; CDK inhibitor

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



Product Information

Description	Lerociclib dihydrochloride is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK1/cyclinB1, cdk2/cyclin A, CDK2/cyclinE, and Cdk4/cyclin D1.
Molecular Weight	547.52
Molecular Formula	$C_{26}H_{36}Cl_2N_8O$
Targets	CDK1/cyclinB1: 2.4 μM; cdk2/cyclin A: 1.5 μM; CDK2/cyclinE: 3.6 μM; Cdk4/cyclin D1: 1 nM
IUPAC Name	4-[[5-(4-Propan-2-ylpiperazin-1-yl)pyridin-2-yl]amino]spiro[1,3,5,11-tetrazatricyclo[7.4.0.02,7]trideca-2,4,6,8-tetraene-13,1'-cyclohexane]-10-one;dihydrochloride
InChI	InChI=1S/C26H34N8O.2ClH/c1-18(2)32-10-12-33(13-11-32)20-6-7-22(27-16-20)30-25-28-15-19-14-21-24(35)29-17-26(8-4-3-5-9-26)34(21)23(19)31-25;;/h6-7,14-16,18H,3-5,8-13,17H2,1-2H3,(H,29,35)(H,27,28,30,31);2*1H
InChI Key	IUIVDLVJNPANBY-UHFFFAOYSA-N
Canonical SMILES	CC(C)N1CCN(CC1)C2=CN=C(C=C2)NC3=NC=C4C=C5C(=O)NCC6(N5C4=N3)CCCCC6.Cl.Cl
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	Lerociclib dihydrochloride can be used to investigate its effects as a selective CDK4/6 inhibitor in cell cycle control.
Storage	Store at -20ºC.

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