

## Product Information

### CDK inhibitor Trilaciclib hydrochloride, Purity ≥98%

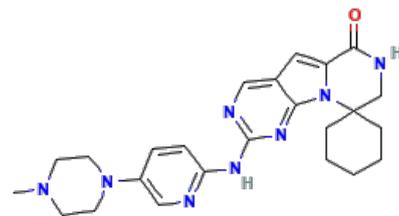
**Cat. No.:** X24-05-ZQ830

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

**CAS Number:** 1977495-97-8

**Compound CID:** 124081865

**Synonym:** 1977495-97-8; G1T28 hydrochloride; CDK inhibitor



Cl-H

Cl-H

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

#### Product Information

<b>Description</b>	Trilaciclib hydrochloride is an CDK kinase inhibitor that disrupts cell division processes.
<b>Molecular Weight</b>	519.47
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>32</sub> Cl <sub>2</sub> N <sub>8</sub> O
<b>IUPAC Name</b>	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; dihydrochloride
<b>InChI</b>	InChI=1S/C24H30N8O.2ClH/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);2*1H
<b>InChI Key</b>	BRCYOXKEDFAUSA-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CN1CCN(CC1)C2=CN=C(C=C2)NC3=NC=C4C=C5C(=O)NCC6(N5C4=N3)CCCCC6.Cl.Cl
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	Trilaciclib hydrochloride can be used to examine its protective effects on bone marrow cells during chemotherapy via CDK4/6 inhibition.
<b>Storage</b>	Store at -20°C.