

Product Name	: Riviciclib
Synonyms	: P276-00 hydrochloride
Cat No.	: M16603
CAS Number	: 920113-03-7
Molecular Formula	: C ₂₁ H ₂₀ ClNO ₅ .HCl
Formula Weight	: 438.30
Chemical Name	: 2-(2-chlorophenyl)-5,7-dihydroxy-8-((2R,3S)-2-(hydroxymethyl)-1-methylpyrrolidin-3-yl)-4H-chromen-4-one hydrochloride
Description	A novel potent CDK inhibitor with IC₅₀ of 79 nM, 63 nM and 20 nM for Cdk4/cyclin D1, Cdk1/cyclin B and Cdk9/cyclin T1, respectively; weakly inhibits Cdk2/cyclin A, Cdk2/cyclin E, Cdk6/cyclin D3 and Cdk7/cyclin H with IC₅₀ of 0.2-3 uM; shows potent antiproliferative effects against various human cancer cell lines (IC₅₀=200-800 nM); induces G1-G2 arrest, shows antitumor activity on cisplatin-resistant cells and significant in vivo efficacy in tumor models. Pancreatic Cancer Phase 2 Clinical
Pathway	: Angiogenesis
Target	: CDK
Receptor	: CDK1/CyclinB; CDK2/CyclinA; CDK4/CyclinD1; CDK6/CyclinD3; CDK9/CyclinT1
Solubility	: —
SMILES	: CN1CCC(C1CO)C2=C(C(=C(C3=C2OC(=CC3=O)C4=CC=CC=C4Cl)O)O)O.Cl
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Joshi KS, et al. Mol Cancer Ther. 2007 Mar;6(3):918-25.| 2. Joshi KS, et al. Mol Cancer Ther. 2007 Mar;6(3):926-34.| 3. Raje N, et al. Leukemia. 2009 May;23(5):961-70.| 4. Rathos MJ, et al. J Transl Med. 2012 Aug 8;10:161.

