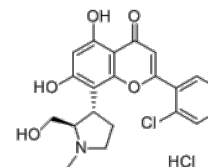


Product Name : Riviciclib
Cat. No. : PC-61279
CAS No. : 920113-03-7
Molecular Formula : C₂₁H₂₀ClNO₅.HCl
Molecular Weight : 438.3
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

Riviciclib (P276-00 hydrochloride) is a 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.

Riviciclib (P276-00 hydrochloride) weakly inhibits Cdk2/cyclin A, Cdk2/cyclin E, Cdk6/cyclin D3 and Cdk7/cyclin H with IC₅₀ of 0.2-3 μM.

Riviciclib (P276-00 hydrochloride) shows potent antiproliferative effects against various human cancer cell lines (IC₅₀=200-800 nM).

Riviciclib (P276-00 hydrochloride) induces G1-G2 arrest, shows antitumor activity on cisplatin-resistant cells and significant in vivo efficacy in tumor models.

References

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Raje N, et al. *Leukemia.* 2009 May;23(5):961-70.

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com