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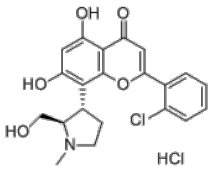
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Riviciclib
Cat. No.	:	PC-61279
CAS No.	:	920113-03-7
Molecular Formula	:	$C_{21}H_{20}ClNO_5.HCl$
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 uM.
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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