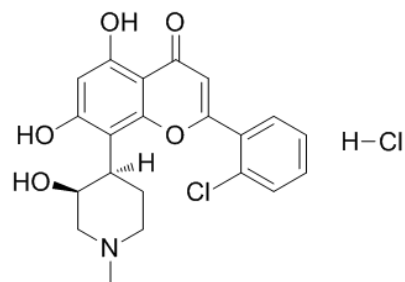


Product Name : Flavopiridol hydrochloride
Cat. No. : PC-42050
CAS No. : 131740-09-5
Molecular Formula : C₂₁H₂₁Cl₂NO₅
Molecular Weight : 438.3011
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO
4. Kim KS, et al. J Med Chem. 2000 Nov 2;43(22):4126-34.



Biological Activity

A potent, ATP-competitive CDKs inhibitor with IC₅₀ of 30, 170, 100 nM for CDK1, 2, 4, respectively; inhibits cell cycle progression in either G1 or G2 in human breast carcinoma cells, induces programmed cell death, promote differentiation, inhibits angiogenic processes and modulates transcriptional events.

Blood Cancer
Phase 2 Clinical

References

- De Azevedo WF Jr, et al. Proc Natl Acad Sci U S A. 1996 Apr 2;93(7):2735-40.
Carlson BA, et al. Cancer Res. 1996 Jul 1;56(13):2973-8.
Senderowicz AM, et al. Invest New Drugs. 1999;17(3):313-20.

