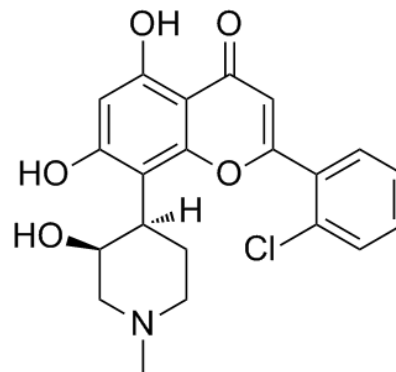


**Product Name** : Flavopiridol  
**Cat. No.** : PC-42049  
**CAS No.** : 146426-40-6  
**Molecular Formula** : C<sub>21</sub>H<sub>20</sub>ClNO<sub>5</sub>  
**Molecular Weight** : 401.8402  
**Target** : Cyclin-dependent Kinase (CDK)  
**Solubility** : 10 mM in DMSO  
4. Kim KS, et al. J Med Chem. 2000 Nov 2;43(22):4126-34.



## Biological Activity

A potent, ATP-competitive CDKs inhibitor with IC<sub>50</sub> 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.

