

Product Name : Flavopiridol

Synonyms : L-868275;HMR-1275;Alvocidib;NSC-649890

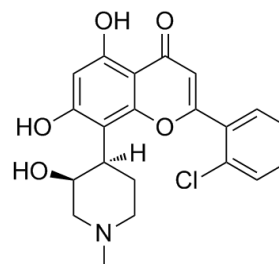
Cat No. : M11992

CAS Number : 146426-40-6

Molecular Formula : C₂₁H₂₀ClNO₅

Formula Weight : 401.84

Chemical Name : 4H-1-Benzopyran-4-one, 2-(2-chlorophenyl)-5,7-dihydroxy-8-[(3S,4R)-3-hydroxy-1-methyl-4-piperidiny]-



Description : A potent, ATP-competetive 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

Pathway : Angiogenesis

Target : CDK

Receptor : CDK1;CDK2;CDK4;CDK6;CDK7

Solubility : 10 mM in DMSO

SMILES : CN1CCC(C(C1)O)C2=C(C=C(C3=C2OC(=CC3=O)C4=CC=CC=C4Cl)O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. De Azevedo WF Jr, et al. Proc Natl Acad Sci U S A. 1996 Apr 2;93(7):2735-40. | 2. Carlson BA, et al. Cancer Res. 1996 Jul 1;56(13):2973-8. | 3. Senderowicz AM, et al. Invest New Drugs. 1999;17(3):313-20. | 4. Kim KS, et al. J Med Chem. 2000 Nov 2;43(22):4126-34.