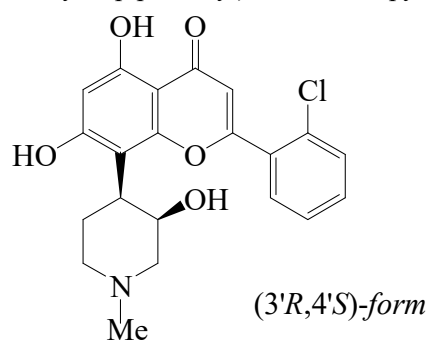




>>Entry Name: Flavopiridol

Synonym(s): 2-(2-Chlorophenyl)-5,7-dihydroxy-8-(3-hydroxy-1-methyl-4-piperidiny)-4H-1-benzopyran-4-one, 9Cl. NSC 649890. L 868275



Related CAS Registry Numbers(s): 131739-92-9

Molecular Formula: C₂₁H₂₀ClNO₅

Molecular Weight: 401.845

Accurate Mass: 401.103001

Percentage Composition: C 62.77%; H 5.02%; Cl 8.82%; N 3.49%; O 19.91%

Biological Use/Importance: Cyclin-dependent kinase inhibitor. Antineoplastic agent. Antiproliferative agent. Induces apoptosis in cells from haematopoietic neoplasms

Development Status: In phase I clin. trials (1998)

>>Variant: (3'R,4'S)-form

Synonym(s): (-)-cis-form

CAS Registry Number: 146426-40-6

Molecular Formula: C₂₁H₂₀ClNO₅

Molecular Weight: 401.845

Accurate Mass: 401.103001

Percentage Composition: C 62.77%; H 5.02%; Cl 8.82%; N 3.49%; O 19.91%

>>Derivative: Hydrochloride

CAS Registry Number: 131740-09-5

Melting Point: Mp 190-194°

Optical Rotation: $[\alpha]_D^{20} -12.7$ (c, 1 in H₂O)

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