

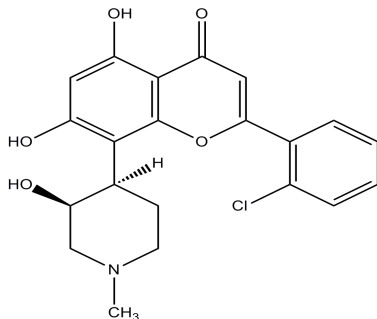
Flavopiridol

ALTERNATE NAME: 2-(2-chlorophenyl)-5,7-dihydroxy-8-[(3S,4R)-3-hydroxy-1-methyl-4-piperidinyl]-4-chromenone; HMR 1275; L86-8275; NSC 649890

CATALOG #: 2090-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₂₀ClNO₅

MOLECULAR WEIGHT: 401.84

CAS NUMBER: 146426-40-6

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (~15 mg/ml) or Ethanol (~ 8 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: Cell-permeable. Flavopiridol is a synthetic flavonoid compound used as an anticancer agent. It is a serine/threonine kinase inhibitor that broadly targets cyclin-dependent kinases (CDKs), including the cyclin 9/cyclin T complex (pTEF-b), preventing activation of RNA polymerase II. Flavopiridol initiates cell cycle arrest and p53-independent apoptosis through down-regulation of Mcl-1 and X-linked inactivator of apoptosis (XIAP).

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Alsterpaullone (Cat. No. 1897-1,5)
- Butyrolactone I (Cat. No. 1690-200)
- Kenpaullone (Cat. No. 1904-1)
- RO-3306 (Cat. No. 2039-1,5)
- Roscovitine (Cat. No. 1950-1,5)
- TG003 (Cat. No. 1905-5, 25)

USAGE: *FOR RESEARCH USE ONLY! Not to be used in humans*