

## Flavopiridol HCl (Alvocidib), CDK inhibitor

Catalog	Unit
TBI3063-5MG	5 mg
TBI3063-25MG	25 mg

### Product Details

**Formal Name:** 2-(2-Chlorophenyl)-5,7-dihydroxy-8-[(3S,4R)-3-hydroxy-1-methyl-4-piperidiny]-4H-1-benzopyran-4-one, hydrochloride

**Alternate Names:** L 86-8275; Alvocidib; NSC-649890

**Molecular Formula:** C<sub>21</sub>H<sub>20</sub>ClNO<sub>5</sub> HCl

**Formula Weight:** 438.30

**CAS Number:** 131740-09-5

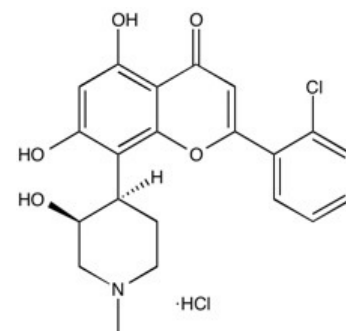
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 40 mg/ml) or in Water (up to 40 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

CDK inhibitor

### Functions

Cyclin-dependent kinase (CDK) inhibitor that causes cell cycle arrest at G1 and G2 phase. Potentiates (100-200 nM) PMA-induced apoptosis in HL-60 and U937 cells. Potentiates the effects of topoisomerase I inhibitors by suppressing Rad51 expression in a p53-dependent manner. Displays potent antiviral activity against HIV-1 and HSV-1 in vitro.

### Application Procedures

First dissolved in DMSO (up to 40 mg/ml) or in Water (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 1 month.

**For research use only.**