

Open Peer Review on Qeios

## **Alvocidib**

National Cancer Institute

## Source

National Cancer Institute. <u>Alvocidib</u>. NCI Thesaurus. Code C74940.

The free base form of a synthetic N-methylpiperidinyl chlorophenyl flavone compound. As an inhibitor of cyclin-dependent kinase, alvocidib induces cell cycle arrest by preventing phosphorylation of cyclin-dependent kinases (CDKs) and by down-regulating cyclin D1 and D3 expression, resulting in G1 cell cycle arrest and apoptosis. This agent is also a competitive inhibitor of adenosine triphosphate activity.

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