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## Alvocidib Hydrochloride

National Cancer Institute

## Source

National Cancer Institute. <u>Alvocidib Hydrochloride</u>. NCI Thesaurus. Code C1571.

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.

Qeios ID: G4OCVM · https://doi.org/10.32388/G4OCVM