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Rivaciclib

National Cancer Institute

Source

National Cancer Institute. *Rivaciclib*. NCI Thesaurus. Code C64762.

A flavone and cyclin dependent kinase (CDK) inhibitor with potential antineoplastic activity. Rivaciclib selectively binds to and inhibits Cdk4/cyclin D1, Cdk1/cyclin B and Cdk9/cyclin T 1, serine/threonine kinases that play key roles in the regulation of the cell cycle and cellular proliferation. Inhibition of these kinases leads to cell cycle arrest during the G1/S transition, thereby leading to an induction of apoptosis, and inhibition of tumor cell proliferation.