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# Rivaciclib Hydrochloride

National Cancer Institute

## Source

National Cancer Institute. *Rivaciclib Hydrochloride*. NCI Thesaurus. Code C141429.

The hydrochloride salt form of rivaciclib, 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 T1, 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.