

Open Peer Review on Qeios

ATR Kinase Inhibitor BAY1895344

National Cancer Institute

Source

National Cancer Institute. <u>ATR Kinase Inhibitor BAY1895344</u>. NCI Thesaurus. Code C146807.

An orally available ataxia telangiectasia and Rad3-related (ATR)-specific kinase inhibitor, with potential antineoplastic activity. Upon oral administration, ATR kinase inhibitor BAY1895344 selectively binds to and inhibits the activity of ATR, which prevents ATR-mediated signaling. This inhibits DNA damage checkpoint activation, disrupts DNA damage repair and induces apoptosis in ATR-overexpressing tumor cells. ATR, a serine/threonine protein kinase upregulated in a variety of cancer cell types, plays a key role in DNA repair, cell cycle progression and cell survival.

Qeios ID: F892KX · https://doi.org/10.32388/F892KX