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Aurora Kinase Inhibitor TTP607

National Cancer Institute

Source

National Cancer Institute. *Aurora Kinase Inhibitor TTP607*. NCI Thesaurus. Code C84846.

A small-molecule pan-Aurora kinase inhibitor with potential antineoplastic activity. Aurora kinase inhibitor TTP607 selectively binds to and inhibits Aurora kinases A, B and C, which may result in the disruption of the assembly of the mitotic spindle apparatus, disruption of chromosome segregation, and inhibition of cellular division and proliferation in Aurora kinase-overexpressing tumor cells. Aurora kinases A, B and C, are serine/threonine kinases that play essential roles in mitotic checkpoint control and are overexpressed by a wide variety of tumor cell types.