

[Open Peer Review on Qeios](#)

Sunitinib

National Cancer Institute

Source

National Cancer Institute. *Sunitinib*. NCI Thesaurus. Code C71622.

An indolinone derivative and tyrosine kinase inhibitor with potential antineoplastic activity. Sunitinib blocks the tyrosine kinase activities of vascular endothelial growth factor receptor 2 (VEGFR2), platelet-derived growth factor receptor b (PDGFRb), and c-kit, thereby inhibiting angiogenesis and cell proliferation. This agent also inhibits the phosphorylation of Fms-related tyrosine kinase 3 (FLT3), another receptor tyrosine kinase expressed by some leukemic cells.