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Tyrosine Kinase Inhibitor SU5402

National Cancer Institute

Source

National Cancer Institute. *Tyrosine Kinase Inhibitor SU5402*. NCI Thesaurus. Code C1725.

An indolinone-based small molecule selective tyrosine kinase inhibitor with potential antineoplastic activity. SU5402 blocks the activities of vascular endothelial growth factor receptors (VEGFR) and fibroblast growth factor 1 (FGFR1) via competing with ATP for the specific binding site within the catalytic domain of these receptors. This agent was shown to inhibit cell growth, decrease cell viability in dose-dependent manner, and induce apoptosis.