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Sulfatinib

National Cancer Institute

Source

National Cancer Institute. *Sulfatinib*. NCI Thesaurus. Code C116066.

An orally bioavailable, small molecule inhibitor of vascular endothelial growth factor receptors (VEGFR) 1, 2, and 3, and the fibroblast growth factor receptor type 1 (FGFR1), with potential antineoplastic and anti-angiogenic activities. Upon oral administration, sulfatinib binds to and inhibits VEGFRs and FGFR1 thereby inhibiting VEGFR- and FGFR1-mediated signal transduction pathways. This leads to a reduction of angiogenesis and tumor cell proliferation in VEGFR/FGFR1-overexpressing tumor cells. Expression of VEGFRs and FGFR1 may be upregulated in a variety of tumor cell types.