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Receptor Tyrosine Kinase Inhibitor R1530

National Cancer Institute

Source

National Cancer Institute. *Receptor Tyrosine Kinase Inhibitor R1530*. NCI Thesaurus. Code C71710.

A pyrazolobenzodiazepine small molecule with potential antiangiogenesis and antineoplastic activities. Mitosis-angiogenesis inhibitor (MAI) R1530 inhibits multiple receptor tyrosine kinases involved in angiogenesis, such as vascular endothelial growth factor receptor (VEGFR)-1, -2, -3, platelet-derived growth factor receptor (PDGFR) beta, FMS-like tyrosine kinase (Flt)-3, and fibroblast growth factor receptor (FGFR) -1, -2. In addition, this agent exhibits anti-proliferative activity by initiating mitotic arrest and inducing apoptosis.