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Multitargeted Tyrosine Kinase Inhibitor JNJ-26483327

National Cancer Institute

Source

National Cancer Institute. *Multitargeted Tyrosine Kinase Inhibitor JNJ-26483327*. NCI Thesaurus. Code C77866.

An orally bioavailable, small-molecule, multitargeted reversible tyrosine kinase inhibitor with potential antineoplastic activity. Multitargeted tyrosine kinase inhibitor JNJ-26483327 binds to and inhibits several members of the epidermal growth factor receptor (EGFR) family, including EGFR, HER2 and HER4; Src family kinases (Lyn, Yes, Fyn, Lck and Src); and vascular endothelial growth factor receptor type 3 (VEGFR3). By inhibiting several different signaling molecules that play crucial roles at various stages in tumorigenesis, this agent may inhibit tumor growth, invasion, migration and metastasis. In addition, JNJ-26483327 crosses the blood-brain barrier (BBB).