

[Open Peer Review on Qeios](#)

Pirotinib

National Cancer Institute

Source

National Cancer Institute. *Pirotinib*. NCI Thesaurus. Code C121960.

An orally bioavailable inhibitor of the receptor tyrosine kinase (RTK) epidermal growth factor receptor (ErbB; EGFR) family, with potential antineoplastic activity. Upon administration, pirotinib selectively and irreversibly binds to and inhibits the epidermal growth factor receptors 1 (ErbB1; EGFR), 2 (ErbB2; HER2), and 4 (ErbB4; HER4). This may result in the inhibition of cell growth and angiogenesis in tumors overexpressing these RTKs. EGFRs play major roles in both tumor cell proliferation and tumor vascularization, and are overexpressed in many cancer cell types.