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Masitinib Mesylate

National Cancer Institute

Source

National Cancer Institute. *Masitinib Mesylate*. NCI Thesaurus. Code C79831.

The orally bioavailable mesylate salt of masatinib, a multi-targeted protein tyrosine kinase inhibitor with potential antineoplastic activity. Masitinib selectively binds to and inhibits both the wild-type and mutated forms of the stem cell factor receptor (c-Kit; SCFR); platelet-derived growth factor receptor (PDGFR); fibroblast growth factor receptor 3 (FGFR3); and, to a lesser extent, focal adhesion kinase (FAK). As a consequence, tumor cell proliferation may be inhibited in cancer cell types that overexpress these receptor tyrosine kinases (RTKs).