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# Merestinib

National Cancer Institute

## Source

National Cancer Institute. *Merestinib*. NCI Thesaurus. Code C95729.

An orally available, small molecule inhibitor of the proto-oncogene c-Met (also known as hepatocyte growth factor receptor (HGFR)) with potential antineoplastic activity. Merestinib selectively binds to c-Met, thereby inhibiting c-Met phosphorylation and disrupting c-Met signal transduction pathways. This may induce cell death in tumor cells overexpressing c-Met protein or expressing constitutively activated c-Met protein. This agent has potent anti-tumor efficacy in mono and combination therapy in a broad range of cancers. c-Met, a receptor tyrosine kinase overexpressed or mutated in many tumor cell types, plays key roles in tumor cell proliferation, survival, invasion, metastasis, and tumor angiogenesis.