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MET Kinase Inhibitor OMO-1

National Cancer Institute

Source

National Cancer Institute. *MET Kinase Inhibitor OMO-1*. NCI Thesaurus. Code C148537.

An inhibitor of the proto-oncogene and receptor tyrosine kinase (RTK) hepatocyte growth factor receptor (c-Met; HGFR; MET) with potential antineoplastic activity. Upon administration, OMO-1 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. 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.