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AXL Inhibitor TP-0903

National Cancer Institute

Source

National Cancer Institute. *AXL Inhibitor TP-0903*. NCI Thesaurus. Code C127116.

An orally available and selective inhibitor of the receptor tyrosine kinase AXL (UFO), with potential antineoplastic activity. Upon administration, TP-0903 targets and binds to AXL and prevents its activity. This blocks AXL-mediated signal transduction pathways and inhibits the epithelial-mesenchymal transition (EMT), which, in turn, inhibits tumor cell proliferation and migration. In addition, TP-0903 enhances chemo-sensitivity to certain other chemotherapeutic agents. AXL, a member of the Tyro3, AXL and Mer (TAM) family of receptor tyrosine kinases and overexpressed by many tumor cell types, plays a key role in tumor cell proliferation, survival, invasion and metastasis; its expression is associated with drug resistance and poor prognosis.