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Axl/Mer Inhibitor ONO-7475

National Cancer Institute

Source

National Cancer Institute. *Axl/Mer Inhibitor ONO-7475*. NCI Thesaurus. Code C136822.

An orally available and selective inhibitor of the receptor tyrosine kinases (RT Ks) Axl (UFO) and Mer, with potential antineoplastic activity. Upon administration, ONO-7475 targets and binds to both Axl and Mer, and prevents their activity. This blocks Axl- and Mer-mediated signal transduction pathways, and inhibits proliferation and migration of Axl- and Mer-overexpressing tumor cells. Axl and Mer, both members of the TAM (Tyr03, Axl and Mer) family of RT Ks, are overexpressed by many tumor cell types. They play key roles in tumor cell proliferation, survival, invasion, angiogenesis and metastasis, and their expression is associated with drug resistance and poor prognosis.