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TSP-1 Mimetic Fusion Protein CVX-045

National Cancer Institute

Source

National Cancer Institute. *TSP-1 Mimetic Fusion Protein CVX-045*. NCI Thesaurus. Code C82384.

A fusion protein containing two thrombospondin (TSP-1)-derived nonamer peptides covalently attached, via a proprietary diketone linker, to a proprietary humanized catalytic monoclonal aldolase monoclonal antibody with potential antiangiogenic and antineoplastic activities. The TSP-1 mimetic peptide moieties of TSP-1 mimetic fusion protein CVX-045 bind to TSP-1 receptors, such as CD36, and inhibit tumor angiogenesis, which may result in the inhibition of tumor cell proliferation. The proprietary humanized catalytic monoclonal aldolase monoclonal antibody contains reactive lysine residues in its binding sites, which react covalently with compounds having a diketone function; the TSP-1 mimetic peptide moieties are then covalently attached to the diketone linkers via a proprietary spacer.