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CXCR4 Peptide Antagonist LY2510924

National Cancer Institute

Source

National Cancer Institute. *CXCR4 Peptide Antagonist LY2510924*. NCI Thesaurus. Code C106253.

An inhibitor of CXC chemokine receptor 4 (CXCR4), with potential antineoplastic activity. Upon subcutaneous administration, CXCR4 inhibitor LY2510924 binds to the chemokine receptor CXCR4, thereby preventing CXCR4 binding to its ligand, stromal derived factor-1 (SDF-1), and subsequent receptor activation. This may result in decreased tumor cell proliferation and migration. CXCR4, a chemokine receptor belonging to the G protein-coupled receptor (GPCR) gene family, plays an important role in chemotaxis and angiogenesis and is upregulated in several tumor cell types.