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Vitamin D3 Analogue ILX23-7553

National Cancer Institute

Source

National Cancer Institute. *Vitamin D3 Analogue ILX23-7553*. NCI Thesaurus. Code C1883.

A vitamin D3 analogue with potential antineoplastic activity. ILX23-7553 binds to and activates the vitamin D receptor, a cytoplasmic polypeptide expressed in normal vitamin D responsive tissues, but also overexpressed in certain cancers including hepatocellular carcinoma and pancreatic cancer. Mediated through vitamin D receptor, this agent induces cancer cell differentiation, inhibits cancer cell growth and induces apoptosis. In addition, ILX23-7553 may also induce growth arrest and apoptosis independent of vitamin D receptor activation through mechanisms that are not fully elucidated.