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Trabedersen

National Cancer Institute

Source

National Cancer Institute. *Trabedersen*. NCI Thesaurus. Code C80066.

A transforming growth factor (TGF)-beta2 specific phosphorothioate antisense oligodeoxynucleotide with the sequence 5'-CGGCATGTCTATTTTGT A-3', with potential antineoplastic activity. Trabedersen binds to TGF-beta2 mRNA causing inhibition of protein translation, thereby decreasing TGF-beta2 protein levels; decreasing intratumoral TGF-beta2 levels may result in the inhibition of tumor cell growth and migration, and tumor angiogenesis. TGF-beta2, a cytokine often over-expressed in various malignancies, may play an important role in promoting the growth, progression, and migration of tumor cells.