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Paricalcitol

National Cancer Institute

Source

National Cancer Institute. *Paricalcitol*. NCI Thesaurus. Code C38693.

A synthetic noncalcemic, nonphosphatemic vitamin D analogue. Paricalcitol binds to the vitamin D receptor and has been shown to reduce parathyroid hormone (PTH) levels. This agent also increases the expression of PTEN ('Phosphatase and Tensin homolog deleted on chromosome Ten'), a tumor-suppressor gene, in leukemic cells and cyclin-dependent kinase inhibitors, resulting in tumor cell apoptosis and tumor cell differentiation into normal phenotypes. (NCI04)