Calciferol, a Vitamin D prodrug found in fungi and alfalfa, is commercially used as a vitamin D supplement for bone strength but also exhibits antioxidative and anticancer chemotherapeutic activities. In leukemia cells, calciferol induces apoptosis, decreases the mitochondrial membrane potential, and increases release of cytochrome C, cleavage of PARP, and activation of caspases. In animal models of breast cancer, calciferol decreases tumor growth.

**References**

