Aromatic turmerone is a sesquiterpene found in Curcuma (turmeric). This compound exhibits anti-inflammatory, anticonvulsant, antifungal, anticancer, and anti-metastatic activities. Aromatic turmerone suppresses production of IL-2 and IFN-γ in T cells. In animal models of chemically-induced seizures, aromatic turmerone limits epileptic activity. Additionally, turmerone also inhibits growth of dermatophytes in various models. In breast cancer cells, this compound decreases phosphorylation of NF-κB, PI3K, and Akt and suppresses signaling of ERK1/2, inhibiting cellular migration and invasion. In other models, aromatic turmerone does not inhibit tumor growth but does suppress the development of lymphocytic leukemia in improving T and B lymphocyte proliferation. Like other compounds derived from turmeric, aromatic turmerone may indirectly inhibit EGFR.

References


Caution: This product is intended for laboratory and research use only. It is not for human or drug use.