LKT Laboratories, Inc.

(S)-*ar*-Turmerone

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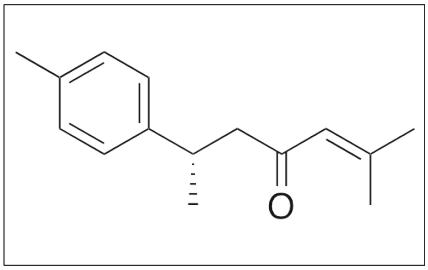
Product Information

Product ID T8269
CAS No. 532-65-0
Chemical Name

Synonym



Formula $C_{15}H_{20}O$
Formula Wt. 216.32
Melting Point
Purity ≥97%
Solubility Hexane, Petrol ether, Ethanol

Bulk quanitites available upon request

Product ID	Size
T8269	1 mg
T8269	5 mg
T8269	10 mg

Store Temp 4°C
Ship Temp Ambient

Description 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

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