(+)-ar-Turmerone
Item No. 11759

CAS Registry No.: 532-65-0
Formal Name: 2-methyl-6S-(4-methylphenyl)-2-hepten-4-one
Synonym: (S)-(+)-ar-Turmerone
MF: C15H20O
FW: 216.3
Purity: ≥95%
Stability: ≥1 year at −20°C
Supplied as: A solution in ethanol
UV/Vis: λmax: 220, 240 nm

Laboratory Procedures
For long term storage, we suggest that (+)-ar-turmerone be stored as supplied at −20°C. It should be stable for at least one year.

(+)-ar-Turmerone is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. (+)-ar-Turmerone is miscible in ethanol.

(+)-ar-Turmerone is an aromatic compound from the rhizomes of Curcuma longa, a perennial plant of the ginger family, Zingiberaceae, commonly used in traditional Asian medicines. It is also a major constituent of essential oil of turmeric, which is known for its antioxidant, anti-inflammatory, and anti-nociceptive properties. Two structurally and physiologically distinct forms of turmerone have been isolated from C. longa, (+)-ar-turmerone and α-turmerone. (+)-ar-Turmerone stimulates the proliferation of peripheral blood mononuclear cells and increases the production of TNF-α, IL-2, and IFN-γ. It also promotes the maturation of dendritic cells and induces the proliferation of neural stem cells both in vitro and in vivo.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/11759

SAFETY DATA
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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