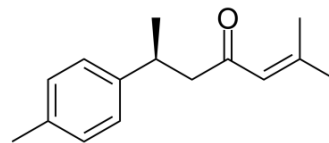


ar-Turmerone

Cat. No.:	HY-N6703
CAS No.:	532-65-0
Molecular Formula:	C ₁₅ H ₂₀ O
Molecular Weight:	216.32
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

ar-Turmerone ((+)-ar-Turmerone) is a major bioactive compound of the herb *Curcuma longa* with anti-tumorigenesis and anti-inflammatory activities^{[1][2][3]}. ar-turmerone ((+)-ar-Turmerone) activates apoptotic protein in human lymphoma U937 cells^[3]. ar-Turmerone ((+)-ar-Turmerone) exerts positive modulation on murine DCs, induces NSC proliferation and constitutes a promising therapeutic agent for various neurologic disorders^{[4][5]}.

REFERENCES

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- [2]. Yue GG, et al. Evaluation of in vitro anti-proliferative and immunomodulatory activities of compounds isolated from *Curcuma longa*. Food Chem Toxicol. 2010 Aug-Sep;48(8-9):2011-20.
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- [4]. Yonggang T, et al. Maturation and upregulation of functions of murine dendritic cells (DCs) under the influence of purified aromatic-turmerone (AR). Hum Vaccin Immunother. 2012 Oct;8(10):1416-24.
- [5]. Hucklenbroich J, et al. Aromatic-turmerone induces neural stem cell proliferation in vitro and in vivo. Stem Cell Res Ther. 2014 Sep 26;5(4):100.

Caution: Product has not been fully validated for medical applications. For research use only.

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