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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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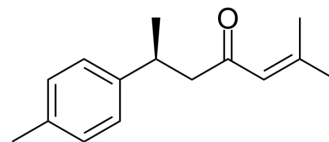
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ar-Turmerone

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:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



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 activates apoptotic protein in human lymphoma U937 cells^[3]. ar-Turmerone exerts positive modulation on murine DCs. ar-Turmerone induces NSC proliferation and constitutes a promising therapeutic agent for various neurologic disorders^{[4][5]}.

REFERENCES

- [1]. Liju VB, et al. An evaluation of antioxidant, anti-inflammatory, and antinociceptive activities of essential oil from *Curcuma longa*. L. Indian J Pharmacol. 2011 Sep;43(5):526-31.
- [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.
- [3]. Lee Y, et al. Activation of apoptotic protein in U937 cells by a component of turmeric oil. BMB Rep. 2009 Feb 28;42(2):96-100.
- [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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