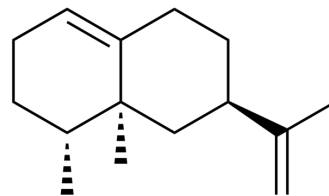


Valencene

Cat. No.:	HY-N6636
CAS No.:	4630-07-3
Molecular Formula:	C ₁₅ H ₂₄
Molecular Weight:	204.35
Target:	NF-κB
Pathway:	NF-κB
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

Valencene is a sesquiterpene isolated from *Cyperus rotundus*, possesses anti-allergic, anti-melanogenesis, anti-inflammatory, and antioxidant activities. Valencene inhibits the exaggerated expression of Th2 chemokines and proinflammatory chemokines through blockade of the NF-κB pathway. Valencene is used to flavor foods and drinks^{[1][2][3]}.

REFERENCES

- [1]. Yang IJ, et al. Inhibitory Effect of Valencene on the Development of Atopic Dermatitis-Like Skin Lesions in NC/Nga Mice. *Evid Based Complement Alternat Med*. 2016;2016:9370893.
- [2]. Frohwitter J, et al. Production of the sesquiterpene (+)-valencene by metabolically engineered *Corynebacterium glutamicum*. *J Biotechnol*. 2014 Dec 10;191:205-13.
- [3]. Marques FM, et al. In vitro anti-inflammatory activity of terpenes via suppression of superoxide and nitric oxide generation and the NF-κB signalling pathway. *Inflammopharmacology*. 2019 Apr;27(2):281-289.

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

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