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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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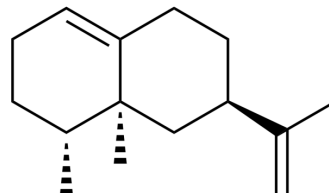
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Valencene

Cat. No.: HY-N6636
 CAS No.: 4630-07-3
 Molecular Formula: C₁₅H₂₄
 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)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (244.68 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.8936 mL	24.4678 mL	48.9356 mL
	5 mM		0.9787 mL	4.8936 mL	9.7871 mL
	10 mM		0.4894 mL	2.4468 mL	4.8936 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (12.23 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (12.23 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (12.23 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Valencene is a sesquiterpene isolated from *Cyperus rotundus*, possesses antiallergic, antimelanogenesis, 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]}.

CUSTOMER VALIDATION

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- Int Immunopharmacol. 2023 Aug 1;123:110726.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Yang LJ, 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- κ B signalling pathway. Inflammopharmacology. 2019 Apr;27(2):281-289.
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Caution: Product has not been fully validated for medical applications. For research use only.

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