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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

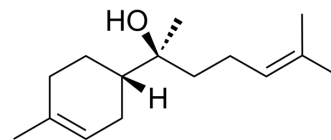
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Levomenol

Cat. No.:	HY-N6967
CAS No.:	23089-26-1
Molecular Formula:	C ₁₅ H ₂₆ O
Molecular Weight:	222.37
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Pure form -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (449.70 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		4.4970 mL	22.4850 mL	44.9701 mL
		5 mM		0.8994 mL	4.4970 mL	8.9940 mL
		10 mM		0.4497 mL	2.2485 mL	4.4970 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 (11.24 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.24 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.5 mg/mL (11.24 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Levomenol ((-)-α-Bisabolol), a monocyclic sesquiterpene alcohol, exerts antioxidant, anti-inflammatory, and anti-apoptotic activities. Levomenol also has neuroprotective effects and prevents neuronal damage and memory deficits through reduction of proinflammatory markers induced by permanent focal cerebral ischemia in mice. Levomenol attenuates nociceptive behaviour and central sensitisation in a rodent model of trigeminal neuropathic pain. Orally active ^{[1][2]} .
In Vivo	Levomenol ((-)-α-Bisabolol) (100-200 mg/kg; p.o.; one day before and 1 h after pMCAO; once daily for the following five day; Male Swiss mice) significantly reduces the infarcted area and neurological deficits caused by pMCAO ^[1] . pMCAO: permanent

media cerebral artery occlusion.

(-)- α -bisabolol exerts anti-inflammatory effects by reducing astrogliosis, MPO activity, and TNF- α and iNOS production^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Fernandes MYD, et al. (-)- α -bisabolol prevents neuronal damage and memory deficits through reduction of proinflammatory markers induced by permanent focal cerebral ischemia in mice. Eur J Pharmacol. 2019 Jan 5;842:270-280.

[2]. Melo LT, et al. (-)- α -Bisabolol reduces nociception and trigeminal central sensitisation in acute orofacial neuropathic pain induced by infraorbital nerve injury. Life Sci. 2019 Jun 15;227:122-128.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA