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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

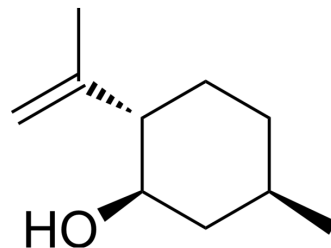
mail@szabo-scandic.com

www.szabo-scandic.com

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

(-)-Isopulegol

Cat. No.:	HY-121206
CAS No.:	89-79-2
Molecular Formula:	C ₁₀ H ₁₈ O
Molecular Weight:	154.25
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (1296.60 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	6.4830 mL	32.4149 mL	64.8298 mL
		5 mM	1.2966 mL	6.4830 mL	12.9660 mL
		10 mM	0.6483 mL	3.2415 mL	6.4830 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: ≥ 5 mg/mL (32.41 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (32.41 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (32.41 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(-)-Isopulegol is prepared directly from the treatment of essential oil of citronella under solid supported acid catalysis and solvent-free microwave assisted ene-cyclisation. (-)-Isopulegol shows high activity in reacting with carbonyl compounds. (-)-Isopulegol can be used for antiviral activity research ^[1] .
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REFERENCES

[1]. Raquel G.Jacob, et al. Green synthesis of (-)-isopulegol from (+)-citronellal: application to essential oil of citronella. Tetrahedron Letters. 2003 April 28;44(18):3605-3608.

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