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Lieferung & Zahlungsart

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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

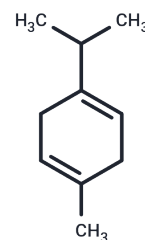
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γ -Terpinene

Chemical Properties

CAS No. :	99-85-4
Formula:	C ₁₀ H ₁₆
Molecular Weight:	136.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	γ -Terpinene (p-Mentha-1,4-diene) is a monoterpene compound with high antioxidant properties suitable for oral consumption. It displays direct radical scavenging abilities and is known to be a potent antinociceptive agent.
Targets(IC50)	Antioxidant
In vitro	γ -Terpinene (γ -TPN; 12.5, 25mg/kg; p.o.; single dose) significantly reduces the licking time of the stimulated paw in both phases of the test in male Swiss mice (20-30g). γ -Terpinene given either systemically (p.o.; 1.56, 3.125, and 6.25mg/kg) or centrally (i.t or i.c.v; 10 and 20 μ g/site) causes significant inhibition of glutamate-induced nociception in mice[1].

Solubility Information

Solubility	DMSO: 90 mg/mL (660.8 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.3405 mL	36.7026 mL	73.4053 mL
5 mM	1.4681 mL	7.3405 mL	14.6811 mL
10 mM	0.7341 mL	3.6703 mL	7.3405 mL
50 mM	0.1468 mL	0.7341 mL	1.4681 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Flávia Franceli de Brito Passos, et al. Involvement of Cholinergic and Opioid System in γ -Terpinene-Mediated Antinociception. Evid Based Complement Alternat Med. 2015;2015:829414.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481