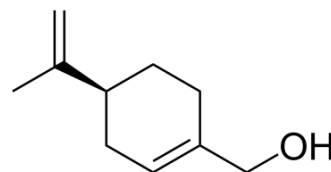


(S)-(-)-Perillyl alcohol

Cat. No.:	HY-116514
CAS No.:	18457-55-1
Molecular Formula:	C ₁₀ H ₁₆ O
Molecular Weight:	152.23
Target:	Apoptosis; Endogenous Metabolite
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (1642.25 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.5690 mL	32.8450 mL	65.6901 mL
	5 mM	1.3138 mL	6.5690 mL	13.1380 mL
	10 mM	0.6569 mL	3.2845 mL	6.5690 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (13.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (13.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (13.66 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(S)-(-)-Perillyl alcohol is a monoterpene found in lavender, inhibits farnesylation of Ras, upregulates the mannose-6-phosphate receptor and induces apoptosis. Anti-cancer activity^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Liston BW, et al. Perillyl alcohol as a chemopreventive agent in N-nitrosomethylbenzylamine-induced rat esophageal tumorigenesis. Cancer Res. 2003 May 15;63(10):2399-403.

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