

Perillyl alcohol

Chemical Properties

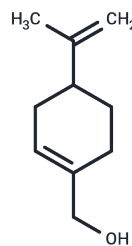
CAS No. : 536-59-4

Formula: C₁₀H₁₆O

Molecular Weight: 152.23

Appearance: no data available

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Perillyl Alcohol is a naturally occurring monoterpene related to limonene with antineoplastic activity. Perillyl alcohol (Isocarveol) inhibits farnesyl transferase and geranylgeranyl transferase, thereby preventing post-translational protein farnesylation and isoprenylation and activation of oncoproteins such as p21-ras, and arresting tumor cells in the G1 phase of the cell cycle.
Targets(IC50)	Apoptosis,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 50 mg/mL (328.45 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	6.569 mL	32.845 mL	65.6901 mL
5 mM	1.3138 mL	6.569 mL	13.138 mL
10 mM	0.6569 mL	3.2845 mL	6.569 mL
50 mM	0.1314 mL	0.6569 mL	1.3138 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

Ripple GH. Clin Y Res 2000;6:390-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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