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Product Information

Product ID P1770 CAS No. 18457-55-1

Chemical Name (S)-(-)-Perillyl alcohol

Synonym L(-)-Perillyl alcohol, Isocarveol, Perilla alcohol

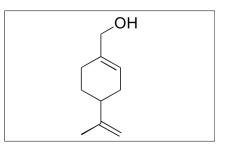
Formula C₁₀H₁₆O

Formula Wt. 152.23

Melting Point

Purity ≥85%

Solubility Soluble in ethanol and acetone. Insoluble in water.



Bulk quanitites available upon request

Product ID	Size
P1770	1 g
P1770	10 g
P1770	50 g

Store Temp 4°C

Ship Temp Ambient

Description Perillyl alcohol is a monoterpene found in various plant and fruit sources. Perillyl alcohol exhibits neuroprotective, antioxidative, anti-inflammatory, anti-asthma, anti-allergic, immunomodulatory, anticancer chemotherapeutic, and chemopreventive activities. In animal models of stroke, perillyl alcohol inhibits neurological deficits, improves motor coordination, increases levels of glutathione, catalase, glutathione reductase, and glutathione peroxidase, decreases infarct volume, and suppresses expression of IL-1B, TNF-α, IL-6, COX-2, iNOS, and NF-κB. Perillyl alcohol inhibits farnesyl transferase, geranylgeranyl transferase, telomerase, and Na+/K+ ATPases. In animal models of OVA-induced allergy, perillyl alcohol suppresses proliferation of antigen-stimulated immune cells, decreasing the allergic response. This compound shows clinical benefit in the treatment of glioblastoma and induces G1 phase cell cycle arrest and increases expression of p15 and p21 in cellular models of cancer. Additionally, perillyl alcohol prevents UV- and DMBA-induced development of skin cancer in vivo.

References Tabassum R, Vaibhav K, Shrivastava P, et al. Perillyl alcohol improves functional and histological outcomes against ischemiareperfusion injury by attenuation of oxidative stress and repression of COX-2, NOS-2 and NF-κB in middle cerebral artery occlusion rats. Eur J Pharmacol. 2014 Sep 18. [Epub ahead of print]. PMID: 25240714.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.