



Product Information

Product ID P0253

CAS No. 19666-76-3

Chemical Name

Synonym

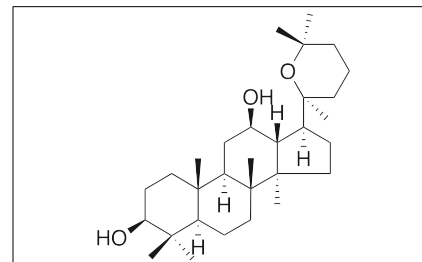
Formula C₃₀H₅₂O₃

Formula Wt. 460.74

Melting Point

Purity ≥98%

Solubility Soluble in DMSO.



Bulk quantities available upon request

Product ID	Size
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P0253	5 mg
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P0253	10 mg
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P0253	25 mg
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Store Temp Ambient

Ship Temp Ambient

Description Panaxadiol is a triterpene saponin originally found in species of *Panax* (ginseng) that exhibits anticancer, cardioprotective, anti-arrhythmic, and antioxidative activities. Panaxadiol inhibits Ca²⁺ channels, decreasing channel open time and open state probability in vitro and displaying anti-arrhythmic potential. This compound also increases superoxide dismutase activity and decreases malondialdehyde levels, improving cardiac function in animal models of burn injury. Additionally, panaxadiol improves efficacy of co-administered chemotherapeutics such as cyclophosphamide in animal models of melanoma and lung carcinoma.

References Wang Z, Zheng Q, Liu K, et al. Ginsenoside Rh(2) enhances antitumour activity and decreases genotoxic effect of cyclophosphamide. *Basic Clin Pharmacol Toxicol*. 2006 Apr;98(4):411-5. PMID: 16623867.

Wang ZF, Xiao JS, Yan SZ, et al. Protective effects of panaxadiol saponins on cardiac functions in burned rats. *Zhongguo Yao Li Xue Bao*. 1995 Jul;16(4):345-8. PMID: 7668107.

Zhang WJ, Zhong GG, Jiang Y, et al. Single channel analysis on calcium channel blockade action of panaxadiol and panaxatriol saponins on cultured rat ventricular myocytes. *Zhongguo Yao Li Xue Bao*. 1994 Mar;15(2):173-6. PMID: 7516611.

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