



LKT Laboratories, Inc.

Panaxatriol

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Product Information

Product ID P0254

CAS No. 32791-84-7

Chemical Name

Synonym

Formula $C_{30}H_{52}O_4$

Formula Wt. 476.73

Melting Point 238-239C

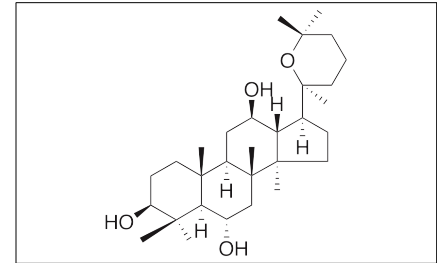
Purity $\geq 98\%$

Solubility Soluble in DMSO.

Store Temp Ambient

Ship Temp Ambient

Description Panaxatriol is a triterpene saponin originally found in species of *Panax* (ginseng) that exhibits anti-inflammatory, hepatoprotective, anti-arrhythmic, and antioxidative activities. Panaxatriol increases expression of heme oxygenase 1 (HO-1) and activation of Nrf2 signaling in neurons in a PI3K/Akt-dependent manner. Panaxatriol also decreases acetaminophen-induced increases in ALT and TNF- α , preventing liver injury in vivo. Additionally, panaxatriol inhibits Ca²⁺ channels, decreasing channel open time and open state probability in vitro and displaying anti-arrhythmic potential.



Bulk quantities available upon request

Product ID	Size
P0254	5 mg
P0254	10 mg
P0254	25 mg

References Huang Y, Yu J, Wan F, et al. Panaxatriol Saponins Attenuated Oxygen-Glucose Deprivation Injury in PC12 Cells via Activation of PI3K/Akt and Nrf2 Signaling Pathway. *Oxid Med Cell Longev.* 2014;2014:978034. PMID: 24955212.

Wang S, Wang X, Luo F, et al. Panaxatriol saponin ameliorated liver injury by acetaminophen via restoring thioredoxin-1 and pro-caspase-12. *Liver Int.* 2013 Sep 11. [Epub ahead of print]. PMID: 24119161.

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.