

POLICOSANOL



POLICOSANOL is a dietary supplement made of medium-chain alcohols extracted from sugar cane wax. Long-chain fatty alcohols (LCFAs) derived from sugar cane have a wide health benefits and used as nutraceuticals or dietary supplements. Policosanols are a mixture of Long chain fatty alcohols mainly Dotriacontanol, Heptacosanol, Hexacosanol, Nonacosanol, Octacosanol, Tetracosanol, Tetracosanol, Tetratriacontanol, Tetratriacontanol, Triacontanol. Various studies have shown that the plant waxes influence healthy lipid metabolism. Policosanol has several other health benefits and it is used for food and beverages.

UNIQUENESS OF SUNPURE PLICOSANOL

- Sourced from selected geographic locations of U.P. for better quality of sugar cane.
- Processed immediately after sugarcane processing.
- Free from odour.
- Immaculate white powder.
- Finest particle size suitable for ready formulation.
- Free from solvent residues.
- Year round consistency in quality and supply.
- Fatty alcohols Standardisation by inhouse gas chromatography analysis.
- Assured quality and food safety with certifications like FSSAI, HACCP, GMP, Kosher, Halal, ISO 9001 :2015.



It is used for food and beverages.

POLICOSANOL is found in sugar cane waste, in leaves of alfalfa, in wheat, and is also present in wheat germ. The major component, octacosanol is present at levels of 60% in material obtained from sugar cane only.

POLICOSANOL reduces low-density lipoprotein (LDL) cholesterol oxidation, platelet aggregation, endothelial damage, and smooth muscle cell proliferation. It also inhibits cholesterol synthesis in the liver and enhances cholesterol degradation. Although it decreases platelet aggregation, policosanol does not change coagulation time. It is safe when taken appropriately for up to 2 years. Other names for policosanol include Octacosanol, 1-Octacosanol, N-Octacosanol, and Octacosyl Alcohol.

SUNPURE OFFERS FOLLOWING GRADES OF POLICOSANOL

Sugar Cane Wax Extracts - Policosanol

- Policosanol - Total Fatty acids 95% by HPLC Powder Form
- Policosanol - Octacosanol 70% by HPLC-Powder Form
- Policosanol - Octacosanol 60% by HPLC Powder Form
- Policosanol- Octacosanol 40% by HPLC Powder Form

COMMON SPECIFICATION

Botanical Name	<i>Saccharum officinarum</i>
Description	White to off white powder
Plant Part used	Sugar cane wax
Identification	To comply by GC
Loss on drying	NMT 2.0%w/w
Melting point	Between 80.0° to 83.0°C

HEALTH BENEFITS OF POLICOSANOL

Policosanol has been touted as a dietary supplement that can lower cholesterol



Policosanol significantly decreased systolic blood pressure

Octacosanol or policosanol treatment of HFD reduces plasma insulin levels



Octacosanol and policosanol prevent high-fat diet-induced obesity and metabolic disorders by activating brown adipose tissue and improving liver metabolism

Policosanol protects the blood vessels



References

1. Castaño G, Mas R, Fernandez L, Illnait J, Gamez R, Alvarez E. Effects of Policosanol 20 Versus 40 Mg/Day in the Treatment of Patients With Type II Hypercholesterolemia: a 6-Month Double-Blind Study. *International Journal of Clinical Pharmacology Research*. 2001; 21(1):43-57.
2. Swanson B, Keithley JK, Sha BE, et al. Policosanol for managing human immunodeficiency virus-related dyslipidemia in a medically underserved population: a randomized, controlled clinical trial. *Altern Ther Health Med*. 2011;17(2):30-5.
3. Berthold HK, Unverdorben S, Degenhardt R, Bulitta M, Gouni-berthold J. Effect of policosanol on lipid levels among patients with hypercholesterolemia or combined hyperlipidemia: a randomized controlled trial. *JAMA*. 2006;295(19):2262-9. doi:10.1001/jama.295.19.2262
4. Castaño G, Más R, Fernández J, et al. Effects of policosanol on borderline to mildly elevated serum total cholesterol levels: a prospective, double-blind, placebo-controlled, parallel-group, comparative study. *Curr Ther Res Clin Exp*. 2003;64(8): 522-37. doi:10.1016/j.curtheres.2003.09.002
5. Lee JY, Choi HY, Kang YR, et al. Effects of long-term supplementation of policosanol on blood cholesterol/glucose levels and 3-hydroxy-3-methylglutaryl coenzyme a reductase activity in a rat model fed high cholesterol diets. *Food Sci Biotechnol*. 2016;25(3):899-904. doi:10.1007/s10068-016-0147-y
6. Castaño G, Mas R, Gamez R, Fernandez J, Illnait J, Fernandez L, Mendoza S, Mesa M, Gutierrez JA, Lopez E. Concomitant Use of Policosanol and Beta-Blockers in Older Patients. *International Journal of Clinical Pharmacology Research*. 2004; 24(2-3):65-77.
7. Gong J, Qin X, Yuan F, et al. Efficacy and safety of sugarcane policosanol on dyslipidemia: A meta-analysis of randomized controlled trials. *Mol Nutr Food Res*. 2018;62(1) doi:10.1002/mnfr.201700280
8. Castaño G, Mas R, Fernandez L, Illnait J, Mendoza S, Gamez R, Fernandez J, Mesa M. A Comparison of the Effects of D-003 and Policosanol (5 and 10 Mg/Day) in Patients With Type II Hypercholesterolemia: a Randomized, Double-Blinded Study. *Drugs Under Experimental and Clinical Research*. 2005; 31 Suppl:31-44.



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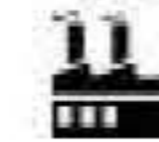
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