



## **PREMIER SUGAR CANE EXTRACT**

**Product Code #401900**

### **INCI name: Saccharum Officinarum (Sugar Cane) Wax Extract**

Saccharum officinarum (Sugar Cane) Wax Extract [common name: Policosanol] is an extract of the sugar cane, Saccharum officinarum. It is a natural mixture of higher, water soluble, aliphatic alcohols including 1-Tetracosanol, 1-Hexacosanol, 1-Heptacosanol, 1-Octacosanol, and 1-Triacontanol.

Sugar cane wax extract exhibits a number of biological activities including:

- Sebum control (In concentrations above 1%):

**Table: 1** Effect of Policosanol on the sebum secretion in human volunteers

Groups	Sebum secretion (Mean Scores of sebutape by a five member panel)	Percentage reduction of sebum release
Control	4.2 + 0.49	---
2% Policosanol (n=8)	3.71 + 0.41	11.6 %
5% Policosanol (n=8)	3.29 + 0.33	27.66 %

- Antimicrobial against P. acnes:

Table 2: Efficacy of Policosanol in inhibiting the growth of Propionibacterium acnes

Sl.No.	Conc. of the sample(%)	Zone of inhibition (in mm)	
		Policosanol	Clindamycin
1	2.0	12.0	11.0
2	1.5	9.0	9.0
3	1.0	8.0	8.0
4	0.5	0.0	0.0
5	0.01	0.0	0.0

- Inhibition of platelet aggregation.

## COSMETIC USES

- In Skin and Hair Care products to help control sebum.
- To enhance the effect of salicylic acid in acne and pore treatment products.
- To help control of puffiness and dark areas around the eyes in moisturizing and anti-aging products.

## **References:**

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- Carbajal D, et al. (1998): Effect of policosanol on platelet aggregation and serum levels of arachidonic acid metabolites in healthy volunteers. *Prostaglandins Leuko. Essent. Fatty Acids.* 58(1):61-4.
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