



Officinol™ is proven by human clinical trials and backed up by science. It is highly effective at reducing the visible signs of skin-aging.

- Many anti-ageing treatments have active ingredients at such low levels that their effectiveness might be limited.
- The natural abundance of sugar cane allows more effective levels of extract to be used, becoming a fast and effective treatment to reduce the signs of skin-aging.
- Its efficacy is proven by science with its mode of action well understood.
- It uses natural plant extracts rather than synthetic additives.



THE PRODUCT MAKERS
BIOACTIVE DIVISION





OFFICINOL™

Officinol™ is a registered trademark of The Product Makers (TPM) developed and made in Australia from Australian Sugar Cane extract.

Officinol™ is a natural plant extract from *Saccharum officinarum*, it is polyphenol-rich, high in anti-oxidants, abundant in minerals, nutrients and essential amino acids. Officinol™ has anti-inflammatory and anti-bacterial properties beneficial for the cosmeceutical industry.

BENEFITS

- ✓ Dark Spot Reduction
- ✓ Skin Lightening
- ✓ Anti-Wrinkle
- ✓ UV Protection
- ✓ Moisturising
- ✓ Anti-Bacterial
- ✓ Exfoliation

APPLICATIONS

- ✓ Face and Body Creams and Gels
- ✓ Hand and Foot Creams
- ✓ Shower and Bath Products
- ✓ Bar and Liquid Soaps
- ✓ Hair Products
- ✓ Sun Care Products
- ✓ Oral Hygiene

ABOUT

Officinol™ reduces the signs of skin aging and breakdown by inhibiting many of the enzyme pathways that cause skin damage. It helps maintain healthy looking skin.

- It's proven to reduce wrinkles and improve skin firmness, tightness and rejuvenates elasticity.
- Direct inhibition of collagenase by Officinol™ shows it mitigates collagen breakdown in the skin, improving skin health and general condition and tone.
- Elastase inhibitors in Officinol™ prevent the damage of dermal elastin, thus mitigating wrinkle formation.
- It activates the body's own natural anti-oxidant production via the Nrf2 pathway and inhibits COX-2 enzyme which causes cellular inflammation. It reduces damage to the skin caused by spots, acne, blemishes and irritation, and slows down the ageing process.
- Helps rejuvenate skin by promoting smoothness, reducing dark spots/blemishes and lightening skin.
- Inhibits the enzyme Tyrosinase that triggers melanin production which can cause hyperpigmentation when over produced.
- Inhibits MMP-1, a biomarker produced by UV stress, which causes excessive breakdown of connective tissue, increasing wrinkles and ageing.