



TREATMENT FOR “SURFER’S EYE” (PTERYGIUM)

A *Sedum dendroideum* extract to inhibit and prevent the growth of pterygium, applied by drip directly in the eye.



BACKGROUND

Pterygium is an abnormal cell growth in the conjunctiva of the eye that has tumor characteristics: it can interfere with the visual field causing irritation, inflammation and discomfort to the patient. Actually a pharmaceutical treatment doesn't exist, and the only option to remove it is by surgery with a high recurrence rate. Around 10% of the world population have suffer from pterygium at least once, primarily in tropical countries.

The *Sedum dendroideum* plant from Mexico owns fleshy leaves whose sap is used for medicinal purposes. Also it has been studied the anticarcinogenic activity of this plant.

TECHNOLOGY

A *Sedum dendroideum* extract that inhibits and prevents the growth of primary and recurrent pterygium, which is applied by drip directly in the eye.

KEY BENEFITS

- The extract is able to inhibit the pterygium cells growth and decrease molecules related with inflammation process.
- Extracts don't have cytotoxic effects in healthy cells.
- Non-invasive treatment, it requires only drip in the eye.
- The plant is endemic from Mexico, and it is mainly used as ornamental.

DEVELOPMENT STATUS

- Currently in preclinical trials.

TECHNOLOGY READINESS LEVEL: 4/9

INTELLECTUAL PROPERTY

Patent Application: MX/a/2016/005864

This technology is available for licensing. More opportunities on our website: <http://redottec.com>



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