

Anthocyanin gel for oral ulceration



Natural extracts with red purple blue color, for example in berries family named "Anthocyanin". We extracted these substances from purple corn cob (waste) and butterfly pea petal.

These extracts contain the most anti-inflammatory property among more than 600 types of natural anthocyanins.



Benefit



- Help epithelium and mucosa formation.
 - Lead to development of product "10% anthocyanin gel" with Trademark "Ten Dent".
- The uniqueness of product are
- 1 Induce wound healing without suppression of immune system
 - 2 reduce pain



Procedure



- 1 Extract corn cob and butterfly pea petal using ethanol
- 2 Lyophilization, dissolve and mixed with zinc and caffeic acid
- 3 Gel formation using low viscous gel formulation in order to induce spreadability over wound area



Award



Bronze Award, 42nd International Exhibition of Inventions of Geneva, Switzerland
Thailand Petit Patent Number 12874.

Product Developer

- 1 Assoc. Prof. Dr. Teerasak Damrongrungruang
- 2 Assoc. Prof. Dr. Aroonsri Priprem
- 3 Assoc. Prof. Dr. Jarin Papangkornkit