Industry Center
AVAILABLE TECHNOLOGIES at UC SANTA BARBARA
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SORITIN B, A BIS-INDOLE DERIVATIVE WITH UNIQUE ANTI-INFLAMMATORY AND ANALGESIC PROPERTIES

BACKGROUND: Inflammation is a significant clinical issue, the prevention and control of which is of prime importance. There are two main types of inflammation, called immunogenic inflammation and neurogenic inflammation. Immunogenic inflammation is mediated by activation of specific immune cells, whereas neurogenic inflammation is mediated directly by activation of nociceptive and thermal-sensitive endings in tissues. While many therapeutics are effective in the treatment of one type of inflammation, few compounds are effective in treating both neurogenic and immunogenic inflammation.

DESCRIPTION: Researchers at the University of California have discovered that a bis-heterocyclic compound, called Soritin B, is effective in inhibiting both neurogenic and immunogenic inflammation. This compound was synthesized from Soritin A, a compound previously shown to be a potent inhibitor of inflammation. Unlike Soritin A, however, Soritin B is colorless, and is therefore useful for cosmetic preparations. Soritin B, as well as its salts, analogs, and derivatives, and methods to produce Soritin B are available. In addition, pharmaceutical preparations and therapeutics are available.

ADVANTAGES:

- Pharmaceutical preparations made from Soritin B are colorless, and are therefore well suited for cosmetic formulations.
- Soritin B is useful in the treatment of both neurogenic and immunogenic inflammation.

APPLICATIONS: Formulations made from Soritin B may be useful as a cosmetic for the treatment of superficial burning due to exposure to heat, UV-radiation, and wounding, as well as relief from insect stings.

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