

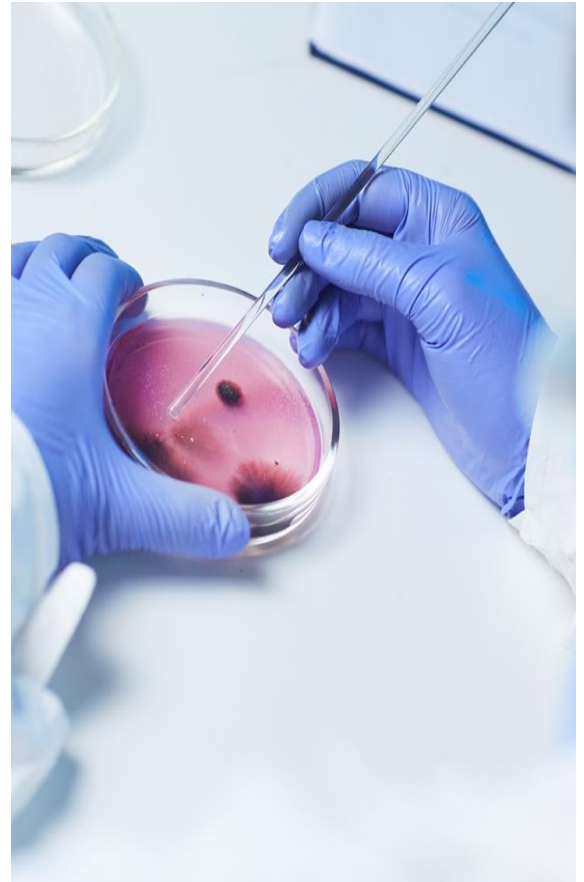
# PREVOMEGA: ANTIMICROBIAL COMPOSITION OF POLYUNSATURATES

## Descripción

PrevOmega consists of a pharmaceutical composition combining three polyunsaturated fatty acids (PUFAs). This composition is used as an antimicrobial agent for the treatment and prevention of infections at the incisional surgical site (SSIs), caused by pathogens such as *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Escherichia coli* and *Klebsiella pneumoniae*. In addition, the invention includes a medical device containing this composition.

## Technical advantages

- **Broad Spectrum Antimicrobial:** Effective against Gram-positive and Gram-negative bacteria.
- **Safety:** Composition based on natural elements, minimizing side effects and toxicity.
- **Synergy:** A combination of PUFAs that reduces the doses needed to obtain antimicrobial effects.
- **Topical Application:** Facilitates direct administration at the site of infection, improving treatment effectiveness.
- **Prevention of SSIs:** Significantly reduces the rate of post-surgical infections.



## Status of development and industrial property rights

The antimicrobial efficacy of PrevOmega against common SSIs pathogens has been evaluated by in vitro studies, a randomized double-blind clinical study has also been conducted that has demonstrated the effectiveness of the composition in reducing SSIs in patients undergoing laparoscopic cholecystectomy, approved by AEMPS as a medical device.

The composition and the medical device are protected under the patent application with the Spanish Office of Patents and Trademarks, with application number P202430587 and priority date 11 July 2024.

## Co-owner





## Financing entities



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