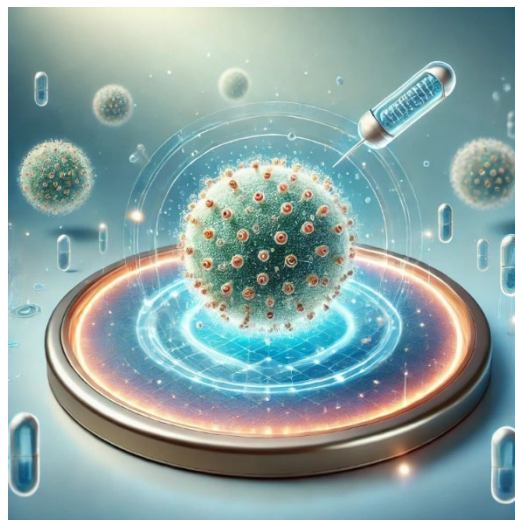


PRECISION IN EVERY DOSE: TARGETING BACTERIA, PROTECTING YOU

Mason's advanced Targeted Antimicrobial Delivery System leverages the power of cationic antimicrobial peptides (AMPs) to precisely deliver antibiotics to microbial targets, minimizing side-effects on host cells. Utilizing AMPs inspired by natural peptides such as human beta-defensin-3, this system targets the negatively charged bacterial membranes, promoting the delivery of potent antimicrobial agents while reducing host toxicity.

Key Features

- **Precision Targeting:** Utilizes AMPs that selectively bind to bacterial membranes, ensuring delivery of antimicrobial agents directly to pathogens
- **Reduced Resistance Development:** Focuses on delivering existing antibiotics in a targeted way, reducing the potential for widespread resistance
- **Versatile Applications:** Effective against a broad spectrum of microbes, including drug-resistant bacteria
- **Enhanced Potency with Low Dosage:** Allows antibiotics to be effective at lower concentrations, minimizing potential side-effects and improving therapeutic outcomes
- **Modular System:** Supports the conjugation of various antibiotics and antimicrobial agents, adaptable to evolving microbial threats
- **Pharmaceutical Research:** Offers a new pathway for developing antibiotics effective against bacteria that use the non-mevalonate pathway



For More Information contact:

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