



UNIVERSITY of NORTH TEXAS HEALTH SCIENCE CENTER

Technology Transfer & Commercialization

## Anti-infective compounds that inhibit growth of MRSA

### Learn more!

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### Research Tool

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### Our Inventor

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### Patent Status

US provisional filed

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## Discovery

- Anti-infective agents have been developed for treating methicillin-resistant *Staphylococcus aureus* (MRSA) and other gram positive bacteria.

## Features

- Agents prevent growth of both community-acquired and hospital-acquired MRSA bacteria.
- Effective inhibitors of other gram-positive strains including:
  - *Streptococcus agalactiae*
  - *Enterococcus faecalis*
  - *Staphylococcus epidermidis*
- Agents inhibit biofilm formation in robust biofilm-producing strains
  - MRSA
  - *Staphylococcus epidermidis*

## Benefits

- Chemical structures and mode of action not previously used in anti-infective applications
- Useful against bacteria having resistance to traditional antibiotics

## Opportunities

- Invasive MRSA infections leading cause of death due to infection
- Possible applications include:
  - Topical therapeutics
  - Optical, Nasal or Pulmonary therapeutics
  - Medical device coatings
  - Systemic antibiotics

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