Anti-infections

**OCR Number:** OCR 5549

**Description:**

**A novel, effective anti-bacterial peptide-morpholino oligomer**

- Novel composition combining novel cell penetrating peptide (CPP) with morpholino oligomer
- The conjugate transports morpholino oligomer sequence into bacteria with 10-100 fold more efficiency than previous known peptides
- The conjugate has a broad range of potency against pathogenic bacteria
- **Patent:** U.S. patent application claims allowed

<table>
<thead>
<tr>
<th>Bacterium</th>
<th>Conjugate</th>
<th>Conc, µM</th>
<th>Viability</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. coli</td>
<td>AB2-gyr313-14</td>
<td>0.5</td>
<td>10⁻⁴</td>
</tr>
<tr>
<td>S. typhimurium</td>
<td>gyr313-14</td>
<td>0.5</td>
<td>10⁻⁵</td>
</tr>
<tr>
<td>B. subtilis</td>
<td>gyr313-14</td>
<td>0.5</td>
<td>10⁻⁶</td>
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<tr>
<td>P. syringae</td>
<td>gyr313-14</td>
<td>2</td>
<td>10⁻⁷</td>
</tr>
<tr>
<td>Acinetobacter</td>
<td>gyr313-11</td>
<td>0.5</td>
<td>3 x 10⁻⁸</td>
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<tr>
<td>K. pneumoniae</td>
<td>gyr313-14</td>
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<td>4 x 10⁻⁸</td>
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<tr>
<td>S. aureus</td>
<td>Ser/gyr313-14</td>
<td>5</td>
<td>7.5 x 10⁻⁸</td>
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<tr>
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<tr>
<td>Enterococcus</td>
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<td>0.08</td>
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<tr>
<td>E. faecalis</td>
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<td>M. marinum</td>
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<td>M. marinum</td>
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</tbody>
</table>

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