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Synthesis and antibacterial evaluation of novel cationic chalcone derivatives possessing broad spectrum antibacterial activity

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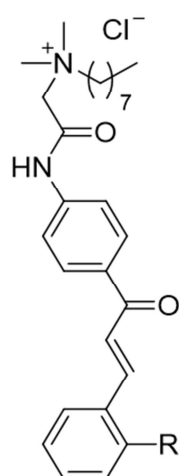
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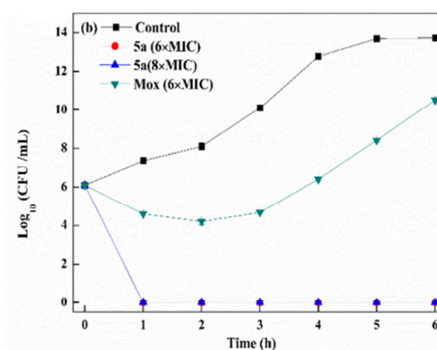
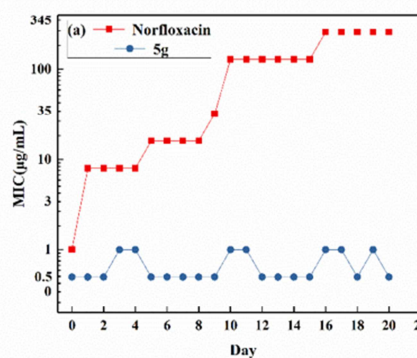
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## Graphical abstract



Rapid killing

No resistance

5a: R=H, MIC (*E. coli*): 2  $\mu\text{g/mL}$ 5g: R=F, MIC (*S. aureus*): 0.5  $\mu\text{g/mL}$ Time-kill kinetics (*E. coli*)Induce bacterial resistance (*S. aureus*)

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